

# 2019



EUROPE, MIDDLE EAST and AFRICA EDITION



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# HOW TO USE YOUR PARTS AND ACCESSORIES GUIDE

# **Part and Packaging Information**

# **Packaging and Unit Pricing**

There are three different units of packaging for parts and accessories, they are:

- 1. Individually Items that do not indicate any package quantity are priced and sold individually.
- 2. Priced individually, sold in specified quantity When part numbers show the "@" sign, order the quantity you require. Orders will be rounded up to the next quantity.
- 3. Priced and packaged in quantities of a specified number The items are sold in a specified case or package quantity. The quantities ordered should reflect the number of cases or packages you would like to purchase.

# **Part Classification**

Part classification codes help to quickly identify a parts category. The following parts classification chart identify the part category use.

	Part Classification Codes	
5 — Sterndrives	39 — Piston rings	90 — Printed and advertising material
6 — Transom/gimbal housing	40 — Lock rings (piston pin)	91 — Tools and equipment
10 — Screws and bolts	41 — Piston pins	92 — Paint and lubricants
11 — Nuts	42 — Muffler	93 — Miscellaneous parts
12 — Washers (plain)	43 — Gears	97 — Anodes
13 — Washers (lock and wave)	44 — Propeller shafts	98 — Kits
14 — Washers (tab)	45 — Drive shafts	100 — Cowls and starter housings
15 — Shims	46 — Water pump cartridges	200 — Flywheels
16 — Studs	47 — Impellers	300 — Ignition components
17 — Pins and rivets	48 — Propellers	400 — Crankshafts
18 — Cotter pins	50 — Starters	500 — Center main bearings
19 — Welch plugs	51 — Cylinder liner	600 — Connecting rods
20 — Valves (shut-off)	52 — Clutches	700 — Pistons
21 — Check valves	53 — Rings (snap, "E", retaining)	800 — Cylinder blocks
22 — Fittings	54 — Clips and clamps	900 — Crankcases
23 — Bushings and spacers	55 — Shock absorbers	1000 — Cylinder block covers
24 — Springs	57 — V-belts	1100 — End caps and bearing housings
25 — O-rings and grommets	61 — Powerheads	1200 — Fuel tanks
26 — Seals	62 — Inflatable boat parts	1300 — Carburetors and components
27 — Gaskets	64 — Throttle, shift and steering	1400 — Clamps and swivel brackets
28 — Keys	67 — Boating accessories	1500 — Driveshaft housings
29 — Needle bearings	68 — Inflatable boat parts	1600 — Gear housings
30 — Ball bearings	79 — Instrument gauges	2100 — Cowls and starter housings
31 — Roller bearings	82 — Potentiometer	2400 — Cam shaft and crankshaft
32 — Lines (fuel, air, water)	83 — Varistors and rectifiers	2700 — Pistons
33 — Spark plugs	84 — Wiring harness and electrical cables	2800 — Cylinder blocks
34 — Reeds and reed stops	85 — Insulators	3300 — Carburetors and components
35 — Filters and strainers	86 — Connectors, terminals, terminal blocks	3400 — Clamp and swivel braces
36 — Filter caps	87 — Switches	3500 — Driveshaft housing
37 — Decals	88 — Fuses and light bulbs	3600 — Transmission
38 — Serial and name plates	89 — Solenoids	4000 — Cowls

# **Parts and Accessories Ordering Information**

Brunswick Marine in EMEA recommends using Extranet for all product ordering, order status and Dealer account information. For all of your concerns on P&A ordering questions, please call your Customer Service representative.

# **HOW TO USE YOUR PARTS AND ACCESSORIES GUIDE**

# Mercury Precision, SmartCraft and Quicksilver Parts and Accessories Limited Warranty

## What is Covered

Brunswick Marine in EMEA warrants each new or factory rebuilt Mercury Precision, SmartCraft, Quicksilver parts and accessories, and Mercury Racing Propellers sold by a Mercury authorized dealer or distributor, to be free from defects in material and workmanship during the period described following.

# **Duration of Coverage**

This limited warranty provides coverage for one year from either the date on which the product is first sold to a retail customer by a Mercury authorized dealer or distributor, or the date on which the product is first put into service, whichever occurs first.

Parts and accessories installed on Mercury Racing products that have product warranty duration of less than one year, carries a limited warranty coverage for a period of time equal to, and not greater than, the duration of the limited warranty originally provided with the parent product. The repair or replacement of parts, or the performance of service under this warranty, does not extend the life of this warranty beyond its original expiration date. Unexpired warranty coverage can be transferred to a subsequent purchaser upon proper re- registration of the product.

# Conditions That Must be Met in Order to Obtain Warranty Coverage

Warranty coverage is available only to retail customers that purchase from a dealer authorized by Brunswick Marine in EMEA to distribute the product in the country in which the sale occurred. Routine maintenance outlined in the Operation and Maintenance Manual must be timely performed in order to maintain warranty coverage. Brunswick Marine in EMEA reserves the right to make warranty coverage contingent upon proof of proper maintenance.

# What Mercury Will Do

Mercury's sole and exclusive obligation under this warranty is limited to, at our option, repairing a defective part, replacing such part or parts with new or refunding the purchase price of the Mercury product. Mercury reserves the right to improve or modify products from time to time without assuming an obligation to modify products previously manufactured.

# **How to Obtain Warranty Coverage**

The customer must provide Mercury with a reasonable opportunity to repair, and reasonable access to the product for warranty service. Warranty claims shall be made by delivering the product for inspection to a Mercury dealer authorized to service the product. If the purchaser cannot deliver the product to an authorized dealer, written notice must be given to Brunswick Marine in EMEA. We will then arrange for the inspection and any covered repair. The purchaser shall pay for all related transportation charges and travel time. If the service provided is not covered by this warranty, the purchaser shall pay for all related labor, material, and any other expenses associated with that service. The purchaser shall not, unless requested by Mercury, ship the product or parts of the product directly to Brunswick Marine in EMEA. The original purchase receipt establishes the warranty period and must be presented to the dealer at the time warranty service is requested in order to obtain coverage.

# What is Not Covered

This limited warranty does not cover routine maintenance items, tune ups, adjustments, normal wear, damage caused by abuse, abnormal use, double lab finished propellers, use of a propeller or gear ratio that does not allow the engine to run in its recommended wide open throttle RPM range (refer to the Operation and Maintenance Manual), operation of the product in a manner inconsistent with the recommended operation/duty cycle section of the Operation and Maintenance Manual, exceeding the horsepower limitations for the product as listed on the Mercury Racing propeller or in the Quicksilver Precision/Mercury Racing Accessory Guide, neglect, accident, submersion, improper installation (proper installation specifications are explained in the installation instructions for the product), improper service, use of an accessory or part not manufactured or sold by Brunswick Marine in EMEA, jet pump impellers and liners, operation with fuels, oils or lubricants which are not suitable for use with the product (refer to the Operation and Maintenance Manual), alteration or removal of parts, water entering the engine through the fuel intake, air intake or exhaust system, or damage to the product from insufficient cooling water caused by blockage of the cooling system by a foreign body, running the engine out of water, mounting the engine too high on the transom, or running the boat with the engine trimmed out too far. Use of the product for racing or other competitive activity, or operating with a racing type lower unit, at any point, even by a prior owner of the product voids the warranty.

Mercury Precision, SmartCraft and Quicksilver Parts and Accessories that are used for any purpose for which they are not intended (outside anticipated marine applications) are excluded from coverage under this warranty statement. Expenses related to haul-out, launch, towing, storage, telephone, rental, inconvenience, slip fees, insurance coverage, loan payments, loss of time, loss of income, or any other type of incidental or consequential damages are not covered by this warranty. Also, expenses associated with the removal and/or replacement of boat partitions or material caused by boat design for access to the product are not covered by this warranty.

No individual or entity, including Brunswick Marine in EMEA authorized dealers, has been given authority by Brunswick Marine in EMEA to make any affirmation, representation or warranty regarding the product, other than those contained in this limited warranty, and if made, shall not be enforceable against Brunswick Marine in EMEA. For additional information regarding events and circumstances covered by this warranty, and those that are not, see the Warranty Coverage section of the Operation and Maintenance Manual, incorporated by reference into this warranty

## **Disclaimers and Limitations**

THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED. TO THE EXTENT THAT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE EXPRESS WARRANTY. INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY. SOME COUNTRIES DO NOT ALLOW FOR THE DISCLAIMERS, LIMITATIONS AND EXCLUSIONS IDENTIFIED ABOVE, AS A RESULT, THEY MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH VARY FROM COUNTRY TO COUNTRY.

# HOW TO USE YOUR PARTS AND ACCESSORIES GUIDE

# **ExtraNET**

ExtraNET is Brunswick Marines exclusive on-line system that will provide you access to the tools that will make your business efficient and profitable. Our electronic systems are intended to meet the needs of your business, large or small. The system allows you to perform functions faster and more accurately, enter orders, access product and warranty information more efficiently and much more. ExtraNET customers enjoy extra benefits, such as:

- · Create orders for parts & accessories, certain finished products like outboards, inflatable boats, etc.
- Browse product configurator
- Check part and product availability
- · View product history by serial number
- · View order status and print invoices, statements and age analysis
- · File product registration and consult pipeline
- File warranty claims
- Parts and products ordering 7 days a week
- · File product protection plans

All ExtraNET systems are subject to change, as we continue to improve our products based on customer input.

# **New Electronic Parts Catalog**

The New Electronic Parts Catalog (EPC) containing the Mercury Parts Catalogs and Service Bulletins is available for ExtraNET customers on a USB memory stick (P/N 8M0118036) for offline usage and via a link on the ExtraNET for online usage.

Features of the Electronic Parts Catalog include:

- · Improved look and feel with easier navigation
- Enhanced search functionality Key word search Part number search Document search Multiple searches open at the same time
- · Mobile-friendly interfaces for portable devices, with real-time updates no need to worry about running updates in the online version!
- · Convenient "hot spots" to find part numbers on schematics faster
- Multi-language translation
- Track your activity and to-do projects with personal notes
- Daily pricing update for the online version and weekly pricing update for the offline version

# Recommended System Requirements Electronic Parts Catalog

- Microsoft Windows 7 or Newer Operating System
- 550 MHz or faster processor
- 512 MB RAM or greater
- 12 GB of free hard disk space (if installing the EPC on a hard drive)
- USB Drive
- High Speed Internet access
- Internet Explorer 10.0 or greater
- Color monitor (resolution 1024 x 768 pixels)
- Local Printer

## **Extranet Customer Service Contact Information**

Please contact your customer representative or your Mercury/Mariner distributor representative.

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# **SPARK PLUGS - STANDARD**

All spark plugs carried are not contained in this section. Spark plugs shown here are the Mercury/Mariner Outboard Service recommended replacements at time of printing. View the application charts following this section for specific outboard model recommendations.

#### **SPARK PLUG**



#### 33-8M0114743

NGK BP6HS-10/18. Check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG**



# 33-13686Q

NGK, BU8H, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-8M0114746

NGK, BP8HS-15, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### SPARK PLUG



#### 33-8M0114740

NGK, B7HS-10, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG**



#### 33-82370M 1

NGK, B6HS, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### 33-8M0114739

NGK B7HS/82. Check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

## 33-8M0114741

NGK B8HS /68. Check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

## **SPARK PLUG**



#### 33-8M0114737

NGK, B5HS, check and set gap per owner's manual or the emissions control information decal if present.

#### **SPARK PLUG**



#### 33-97180Q

NGK, BUHW, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### 33-97182Q

NGK, BUHW-2, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### SPARK PLUG



#### 33-8M0114744

NGK, BP7HS-10, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

## **SPARK PLUG**



#### 33-8M0114742

NGK, B9HS-10, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG**



#### 33-813413

NGK, B7S, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-813469

NGK, B6S, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

## **SPARK PLUG**



#### 33-816737Q

NGK, BP8HN-10, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-816737B 2

NGK, BP8HN-10, check and set gap per owner's manual or the emissions control information decal if present.

25 spark plugs in one shop package.

#### **SPARK PLUG**



#### 33-896323

Champion, L82C, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

# **SPARK PLUGS - SUPPRESSOR (RESISTOR)**

All spark plugs carried are not contained in this section. Spark plugs shown here are the Mercury/Mariner Outboard Service recommended replacements at time of printing. View the application charts following this section for specific outboard model recommendations.

#### **SPARK PLUG**



#### 33- 941

Champion, QL77CC, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 6

# SPARK PLUG



#### 33-14103550

NGK, BUZHW, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### 33- **1410356**8

NGK, BUZ8H, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

# 33-14103Q

NGK, BUZHW-2, check and set gap per owner's manual or the emissions control information decal if present.

#### **SPARK PLUG**



#### 33-14814Q

NGK, BPZ8HS-10, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-14814568

NGK, BPZ8HS-15, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-17719547

NGK, BPR7HS-10, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### 33-19796

NGK, BPR6HS-10, check and set gap per owner's manual or the emissions control information decal if present.

#### **SPARK PLUG**



#### 33-803507

NGK, DCPR6E, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-813418

NGK, BR9HS-10, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-813472

NGK, BR6HS, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

# **SPARK PLUG**



# 33-816837Q

NGK, BPZ8HN-10, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-824406 8

NGK, BR8HS-10, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-827858Q

NGK, DPR6EA-9, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

# **SPARK PLUG**



#### 33-827859

NGK, CR6HS, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

# **SPARK PLUG**



#### 33-828942

NGK, BR7HS-10, check and set gap per owner's manual or the emissions control information decal if present.

#### **SPARK PLUG**



#### 33-843220Q

NGK, LZFR6J, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG - SHOP PACK**



#### 33-8M0058936

NGK IZFR6J, check and set gap per owner's manual or the emissions control information decal if present.

25 spark plugs in one shop package.

Priced individually, sold @ multiples of 25

#### **SPARK PLUG**



#### 33-8M0057936

NGK, ZFR5F, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG**



#### 859495Q

Champion - LFR5A-11, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-881284Q

NGK, LFR6A-11, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-883323001

Champion, RA8HC, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

## **SPARK PLUG**



#### 33-889246Q39

NGK, ILFR6GE, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG - SHOP PACK**



#### 33-8M0058934

 $\ensuremath{\mathsf{NGK}}$  ILFR6GE, check and set gap per owner's manual or the emissions control information decal if present.

25 spark plugs in one shop package.

#### **SPARK PLUG**



#### 33-889597Q

NGK, IZFR5G, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG - SHOP PACK**



#### 33-8M0058933

NGK IZFR5G, check and set gap per owner's manual or the emissions control information decal if present.

25 spark plugs in one shop package.

Priced individually, sold @ multiples of 25

#### SPARK PLUG



#### 33-892567Q

NGK IZFR5J, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG - SHOP PACK**



#### 33-8M0058935

NGK IZFR5J, check and set gap per owner's manual or the emissions control information decal if present.

25 spark plugs in one shop package.

Priced individually, sold @ multiples of 25

#### **SPARK PLUG**



#### 33-896329874

Champion, RL82C, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG**



#### 33-898829001

NGK, LFR4A-E, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 10

#### **SPARK PLUG**



#### 33-889246Q39

NGK, ILFR6GE, check and set gap per owner's manual or the emissions control information decal if present.

Priced individually, sold @ multiples of 4

#### **SPARK PLUG**



# 33-8M0135348

NGK Iridium IX - LART7C-9, check and set gap per owner's manual or the emissions control information decal if present.

Fits: 175-300HP V6 (3.4L) and V8 (4.6L) FourStroke outboards.

Priced individually, sold @ multiples of 4

Quicksilver Branded

# SPARK PLUG APPLICATION CHART - FOURSTROKE

Spark Plug Application Chart - FourStroke Outboard

Model		Serial # Range	Standard Spark Plug	Standard Spark Plug	Suppressor(resistor) Spark Plug	Suppressor(resistor) Spark Plug	Gap
			Mercury Part Number		Mercury No.	Manufacturer's No.	
2.5 FourStroke	JPN	0R131842 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
3.5 FourStroke	JPN	0R131842 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
4 FourStroke	JPN	0R000001 and up	N/A	N/A	33-803507	NGK DCPR6E	.035
4 FourStroke	BEL	0P073456 and up	N/A	N/A	33-803507	NGK DCPR6E	.035
5 FourStroke	JPN	0R000001 and up	N/A	N/A	33-803507	NGK DCPR6E	.035
5 FourStroke	BEL	0P073456 and up	N/A	N/A	33-803507	NGK DCPR6E	.035
6 FourStroke	JPN	0R000001 and up	N/A	N/A	33-803507	NGK DCPR6E	.035
6 FourStroke	BEL	0P073456 and up	N/A	N/A	33-803507	NGK DCPR6E	.035
8 FourStroke Bodensee	USA	0H000058 - 0H017349	N/A	N/A	33-827859	NGK CR6HS	.026
8 FourStroke Bodensee	USA	0G760300 - 0T178499	N/A	N/A	33-827859	NGK CR6HS	.026
8 FourStroke Bodensee	BEL	0P086824 - 0P325499	N/A	N/A	33- <b>827858Q</b>	NGK DPR 6EA-9	.035
8 FourStroke	JPN	0R042475 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
8 FourStroke	BEL	0P325500 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
9.9 FourStroke	USA	0H000058 - 0H016909	N/A	N/A	33-827859	NGK CR6HS	.026
9.9 FourStroke	USA	0G760300 - 0T979999	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
9.9 FourStroke	BEL	0P075166 - 0P325499	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
9.9 FourStroke	JPN	0R042475 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
9.9 FourStroke	BEL	0P325500 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
15 FourStroke	USA	0G590000 - 1B727495	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
15 FourStroke	BEL	9973100 and up	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
15 FourStroke, (Carb and EFI)	JPN	0R235949 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
20 FourStroke (Carb and EFI)	JPN	0R235168 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
25 FourStroke (Carb)	USA	0G590000 - 1B344298	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
25 FourStroke (Carb)	BEL	9973100 - 0P388282	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
25 FourStroke (EFI)	JPN	0R106999 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
25 FourStroke (EFI)	BEL	0P401000 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
25 Jet, FourStroke	JPN	0R165086 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
30 (Carb) FourStroke	USA	0G760300 - 1B226999	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
30 (Carb) FourStroke	BEL	0P094500 - 0P400999	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
30 (EFI) FourStroke	USA	0T409000 - 1B226999	N/A	N/A	33-883323001	Champion RA8HC	.040
30 (EFI) FourStroke	JPN	0R106999 and up	N/A	N/A	33-803507	NGK DCPR6E	.033
40 (3 cyl. Carb) FourStroke	USA	0G760300 - 1B226999	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
40 (3 cyl. Carb) FourStroke	BEL	0P094500 - 0P400999	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
40 (3 cyl. EFI) FourStroke	USA	0T409000 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
40 (3 cyl. EFI) FourStroke	BEL	0P153500 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
40 (3 cyl. EFI) FourStroke	CHN	1C000001 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
40/45 (4 cyl.) FourStroke	USA	0G231123 - 0T178499	N/A	N/A	33- <b>827858Q</b>	NGK DPR 6EA-9	.035
40 (4 cyl. Carb) FourStroke	USA	0T228405 - 0T598999	N/A	N/A	33- <b>827858Q</b>	NGK DPR 6EA-9	.035
40 (4 cyl. Carb) FourStroke	BEL	0P094500 - 0P206999	N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
40 (4 cyl. EFI) FourStroke	USA	0T409000 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
40 (4 cyl. EFI) FourStroke	BEL	0P207000 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
40 (4 cyl. EFI) FourStroke	CHN	1C000001 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
40 JET (4 cyl. EFI) FourStroke	CHN	1C051324 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
50 FourStroke	USA	0G231123 - 0T178499		N/A	33-827858Q	NGK DPR 6EA-9	.035
50 (Carb) FourStroke	USA		N/A	N/A	33-827858Q	NGK DPR 6EA-9	.035
50 (Carb) FourStroke	BEL	0P094500 - 0P206999		N/A	33-827858Q	NGK DPR 6EA-9	.035
50 (EFI) FourStroke	USA	0T409000 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
50 (EFI) FourStroke	BEL	0P207000 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
to (E. 1) i ouronono	DEL	51 201 000 and up	11/17	Fur.	00 000020001	Grampion (Violio	.070

Model		Serial # Range	Standard Spark Plug Mercury Part Number	Standard Spark Plug Manufacturer's No.	Suppressor(resistor) Spark Plug Mercury No.	Suppressor(resistor) Spark Plug Manufacturer's No.	Gap
50 (EFI) FourStroke	CHN	1C000001 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
60 (Carb) FourStroke	USA	0T178500 - 0T598999	N/A	N/A	33- <b>827858Q</b>	NGK DPR 6EA-9	.035
60 (Carb) FourStroke	BEL	0P094500 - 0P206999	N/A	N/A	33- <b>827858Q</b>	NGK DPR 6EA-9	.035
60 (EFI) FourStroke	USA	0T409000 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
60 (EFI) FourStroke	BEL	0P207000 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
60 (EFI) FourStroke	CHN	1C000001 and up	N/A	N/A	33-883323001	Champion RA8HC	.040
75 FourStroke, 1596cc	USA	0G960500 - 1B366822	N/A	N/A	859495Q	NGK LFR5A-11	.043
75 FourStroke, 1.7L	USA	1B366823 - 2B094995	N/A	N/A	33-898829001	NGK LFR4A-E	.032
75 FourStroke, 2.1L	USA	2B094996 and up	N/A	N/A	33-8M0057936	NGK ZFR5F	.032
80 FourStroke, 1.7L	USA	1B366823 - 2B094955	N/A	N/A	33-898829001	NGK LFR4A-E	.032
80 FourStroke, 2.1L	USA	2B094956 and up	N/A	N/A	33-8M0057936	NGK ZFR5F	.032
80 FourStroke	BEL	0P401000 and up	N/A	N/A	33-898829001	NGK LFR4A-E	.032
90 FourStroke, 1596cc	USA	0G960500 - 1B366822	N/A	N/A	859495Q	NGK LFR5A-11	.043
90 FourStroke, 1.7L	USA	1B366823 - 2B094995	N/A	N/A	33-898829001	NGK LFR4A-E	.032
90 FourStroke, 2.1L	USA	2B094996 and up	N/A	N/A	33-8M0057936	NGK ZFR5F	.032
100 FourStroke, 1.7L	USA	1B366823 - 2B094995	N/A	N/A	33-898829001	NGK LFR4A-E	.032
100 Fourstroke, 2.1L	USA	2B094996 and up	N/A	N/A	33-8M0057936	NGK ZFR5F	.032
100 FourStroke	BEL	0P401000 and up	N/A	N/A	33-898829001	NGK LFR4A-E	.032
115 (EFI) FourStroke, 1741cc	USA	0T178500 - 1B366822	N/A	N/A	33-881284Q	NGK LFR6A-11	.041
115 FourStroke, 1.7L	USA	1B366823 - 2B094995	N/A	N/A	33-898829001	NGK LFR4A-E	.032
115/115 ProXS FourStroke, 2.1L	USA	2B094996 and up	N/A	N/A	33-8M0057936	NGK ZFR5F	.032
135 Verado	USA	1B227000 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
135 Verado	BEL	0P419487 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
150 EFI FourStroke	USA	1B905505 and up	N/A	N/A	33-8M0057936	NGK ZFR5F	.032
150 Verado	USA	1B227000 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
150 Verado	BEL	0P419487 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
175 Verado	USA	1B227000 and up	N/A	N/A	33- <b>889246Q39</b>	NGK ILFR6GE	.031
175 Verado	BEL	0P464488 and up	N/A	N/A	33- <b>889246Q39</b>	NGK ILFR6GE	.031
200 Verado, 4&6 cylinder	USA	0T980000 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
200 Verado, 4&6 cylinder	BEL	0P409357 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
225 (EFI) FourStroke	USA	0T653945 and up	N/A	N/A	859495Q	NGK LFR5A-11	.043
225 Verado	USA	0T980000 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
225 Verado	BEL	0P409357 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
250 Verado	USA	0T980000 and up	N/A	N/A	33- <b>889246Q39</b>	NGK ILFR6GE	.031
250 Verado	BEL	0P409357 and up	N/A	N/A	33- <b>889246Q39</b>	NGK ILFR6GE	.031
275 Verado	USA	0T980000 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
275 Verado	BEL	0P409357 and up	N/A	N/A	33- <b>889246Q39</b>	NGK ILFR6GE	.031
300 Verado	USA	0T980000 and up	N/A	N/A	33- <b>889246Q39</b>	NGK ILFR6GE	.031
300 Verado	BEL	0P520553 and up	N/A	N/A	33- <b>889246Q39</b>	NGK ILFR6GE	.031
350 Verado	USA	1B718256 and up	N/A	N/A	33-889246Q39	NGK ILFR6GE	.031
175-300, V6(3.4L) & V8(4.6L)	USA	2B529482 and up	N/A	N/A	33-8M0135348	NGK LART7C-9	.035

# **SPARK PLUG APPLICATION CHART - 2-CYCLE**

Spark Plug Application Chart - 2-Cycle Outboard

Model		Serial # Range	Standard Spark Plug Mercury Part Number		Suppressor(resistor) Spark Plug Mecury No.	Suppressor(resistor) Spark Plug Manufacturer's No.	Gap
2.2	USA	8075603 and up	N/A	N/A	33- 19796	NGK BPR6HS-10	.040
2.5		0A855097 and up	33-8M0114743	NGK BP6HS-10	33- 19796	NGK BPR6HS-10	.040
3		0A855097 - 0G710612	N/A	N/A	33- 19796	NGK BPR6HS-10	.040
3.3		0D901217 and up	33-8M0114743	NGK BP6HS-10	33- 19796	NGK BPR6HS-10	.040
3.5	USA	6202173 and up	33-8M0114743	NGK BP6HS-10	33- 19796	NGK BPR6HS-10	.040

Model		Serial # Range	Standard Spark Plug Mercury Part Number	Standard Spark Plug Manufacturer's No.	Suppressor(resistor) Spark Plug Mecury No.	Suppressor(resistor) Spark Plug Manufacturer's No.	Gap
3.6	USA	5404657 and up	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
3.6	BEL	9252831 and up	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
3.6	CAN	7145388 and up	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
3.9 (39)		1655013 - 2498135	33-8M0114737	NGK B5HS	N/A	N/A	.025
4 (40)(1 cyl.)		2498136 - 2771621	33-8M0114737	NGK B5HS	N/A	N/A	.030
4 (40)(1 cyl.)		2771622 - 0A809600	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
4 (40)(2 cyl.) Gnat	BEL	9075839 - 9256980	33- <b>82370M</b> 1	NGK B6HS	33-813472	NGK BR6HS	.050
4 (40)(2 cyl.) Gnat	CAN	7085673 - 7146487	33- <b>82370M</b> 1	NGK B6HS	33-813472	NGK BR6HS	.050
4 (40)(2 cyl.)	USA	5589202 - 5595531	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
4 (40)(2 cyl.)	AUS	8065265 - 8068064	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
4 (40)(2 cyl.)	BEL	9256981 - 9258280	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
4 (40)(2 cyl.)	CAN	7146488 - 7143687	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
4 (1 cyl.)	USA	0A809601 and up	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
4 (1 cyl.)	BEL	9477830 and up	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
4.5 (45)(1 cyl.)	USA	4107220 - 0A809600	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
4.5 (45)(1 cyl.)	AUS	8026540 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
4.5 (45)(1 cyl.)	BEL	9072179 - 9477829	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
4.5 (45)(1 cyl.)	CAN	7045758 and up	33- 97182Q	NGK BUHW-2	33- <b>14103Q</b>	NGK BUZHW-2	
5 (1 cyl.)	USA	0A809601 and up	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
5 (1 cyl.)	BEL	9477830 and up	33-8M0114744	NGK BP7HS-10	33- 17719547	NGK BPR7HS-10	.040
6 (60)	USA	1408611 - 2126763	33-813469	NGK B6S	N/A	N/A	.025
6 (60)	CAN	1958792 - 2096170	33-813469	NGK B6S	N/A	N/A	.025
6 (60)(60J)	USA	2126764 and up	33- <b>82370M</b> 1	NGK B6HS	33-813472	NGK BR6HS	.030
6 (60)(60J)	CAN	2096171 and up	33- <b>82370M</b> 1	NGK B6HS	33-813472	NGK BR6HS	.030
6	USA	0A197112 - 0T800749	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
6	BEL	9461526 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
7.5 (75)		2529895 - 3801457	33- 97182Q	NGK BUHW-2	33- <b>14103Q</b>	NGK BUZHW-2	
7.5 (75)	USA	3801458 - 4851692	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
7.5 (75)	AUS	8015315 - 8051349	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
7.5 (75)	BEL	9043194 - 9181725	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
7.5 (75)	CAN	7028598 - 7111897	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
7.5 (75)	USA	4851693 - 5226934	33- <b>97182</b> Q	NGK BUHW-2	33- <b>14103Q</b>	NGK BUZHW-2	
7.5 (75)	AUS	8051350 - 8058019	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
7.5 (75)	BEL	9181726 - 9219255	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
7.5 (75)	CAN	7111898 - 7136037	33- 97182Q	NGK BUHW-2	33- <b>14103Q</b>	NGK BUZHW-2	
7.5	USA	5206550 and up	33-8M0114742	NGK B9HS-10	33-813418	NGK BR9HS-10	.040
7.5	AUS	8057545 and up	33-8M0114742	NGK B9HS-10	33-813418	NGK BR9HS-10	.040
7.5	BEL	9217756 and up	33-8M0114742	NGK B9HS-10	33-813418	NGK BR9HS-10	.040
7.5	CAN	7125388 and up	33-8M0114742	NGK B9HS-10	33-813418	NGK BR9HS-10	.040
8	USA	0A197112 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
8	BEL	9461526 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
9.8 (110)		1470349 - 2098351	33-813469	NGK B6S	N/A	N/A	.025
9.8 (110)		2098352 - 2798056	33-8M0114739	NGK B7HS	N/A	N/A	.030
9.8 (110)		2798057 - 3795657	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
9.8 (110)	USA	3795658 - 4839253	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
9.8 (110)	AUS	8015040 - 8050624	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
9.8 (110)	BEL	9041439 - 9165304	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
9.8 (110)	CAN	7027323 - 7111347	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
9.8 (110)	USA	4839254 - 5206549	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
9.8 (110)	AUS	8050625 - 8057544	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
9.8 (110)	BEL	9165303 - 9217755	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
9.8 (110)	CAN	7111348 - 7125387	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
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Model		Serial # Range	Standard Spark Plug Mercury Part Number	Standard Spark Plug Manufacturer's No.	Suppressor(resistor) Spark Plug Mecury No.	Suppressor(resistor) Spark Plug Manufacturer's No.	Gap
9.8	USA	5206550 and up	33-8M0114742	NGK B9HS-10	33-813418	NGK BR9HS-10	.040
9.8	AUS	8057545 and up	33-8M0114742	NGK B9HS-10	33-813418	NGK BR9HS-10	.040
9.8	BEL	9217756 and up	33-8M0114742	NGK B9HS-10	33-813418	NGK BR9HS-10	.040
9.8	CAN	7125388 and up	33-8M0114742	NGK B9HS-10	33-813418	NGK BR9HS-10	.040
9.9	USA	0A197112 - 0G112449	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
9.9	BEL	9461526 - 9831799	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
9.9	USA	0G112450 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
9.9	BEL	9831800 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
10 (100)		1290910 - 1499331	33-813469	NGK B6S	N/A	N/A	.025
10 (XR10/SEA PRO 10)	USA	0D038000 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
10 (XR10/SEA PRO 10)	BEL	9596000 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
10 Magnum/Marathon	USA	0D038000 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
10 Magnum/Marathon	BEL	9596000 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
15 (150)		1290910 - 1499331	33-813469	NGK B6S	N/A	N/A	.025
15	USA	0B292414 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
15	BEL	9542620 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
15 Sea Pro/Marathon	USA	0G044365 - 0G437999	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
15 Sea Pro/Marathon	USA	0G438000 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
15 Sea Pro/Marathon	BEL	9927000 and up	33-8M0114746	NGK BP8HS-15	33- 14814568	NGK BPZ8HS-15	.060
15 Sea Pro XD	BEL	9927000 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
15 (Super 15)	USA	0B238464 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
15 (Super 15)	BEL	9507381 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
15 (Super 15)	CAN	0A730007 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
18 (18, 18XD)	USA	5837437 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
18 (18, 18XD)	AUS	8071973 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
18 (18, 18XD)	BEL	9308306 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
20 (200)	522	1290910 - 1499331	33-813469	NGK B6S	N/A	N/A	.025
20 (200)		1558310 - 2094830	33-813469	NGK B6S	N/A	N/A	.025
20 (200)		2094831 - 2827676	33-8M0114739	NGK B7HS	N/A	N/A	.030
20 (20, 200)	USA	2827677 - 6443972	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
20 (20, 200)	AUS	8006265 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
20 (20, 200)	BEL	9016254 - 9415100	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
20 (20, 200)	CAN	7012358 - 7209532	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
20 (20, 20XD)	USA	6443973 - 0T800749	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
20 (20, 20XD)	BEL	9415101 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
20 (20, 20XD)	CAN	7209533 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
20 JET	USA	5705532 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
20 JET	AUS	8073158 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
20 JET	BEL	9315316 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
20 JET	CAN	7166928 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
25 (250)	0/11	1290910 - 1499331	33-813469	NGK B6S	N/A	N/A	.025
25 (25, 25XD, 20 JET)	USA	5705532 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
25 (25, 25XD, 20 JET) 25 (25, 25XD, 20 JET)	AUS	8073158 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
25 (25, 25XD, 20 JET)	BEL	9315316 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
25 (25, 25XD, 20 JET)	CAN	7166928 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
25 LIGHTNING(3 cyl)	USA	0E268781 and up	33-896323	Champion L82C	33-896329874	Champion RL82C	.035
30 (300)	JUN	1271884 - 1960826	33-813469	NGK B6S	N/A	N/A	.025
30 (300) 30 (2 cyl.)644cc	USA	0G053314 - 0T598999	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
30 (2 cyl.)644cc 30 (2 cyl.)644cc	BEL	9854537 - 0P206999	33-816737Q 33-816737Q	NGK BP8H-N-10	33-816837Q 33-816837Q	NGK BPZ8H-N-10	.040
							.040
30 (Lightning)430cc	USA	0G575500 and up	33-8M0114740	NGK BUHW 2	33-828942	NGK BR7HS-10	.040
30 JET (4 cylinder)	USA	0C159200 - 0G589999	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
30 JET (4 cylinder)	BEL	9570790 - 9973099	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	

30 JET (3 cylinder)         USA         0G590000 - 0T178499         33.816737Q         NGK BPBH-N-10         33.816837Q         NGK BPZ8H-N-10           30 JET (3 cylinder)         BEL         9973100 - 0P094499         33.816737Q         NGK BPBH-N-10         33.816837Q         NGK BPZ8H-N-10           35 (350, 35A)         1271884 - 1960826         33.813469         NGK B6S         N/A         N/A           35 (350)         1960827 - 2097831         33.813413         NGK B7S         N/A         N/A           35 (350)         2097832 - 2874703         33.810114739         NGK B7HS         N/A         N/A           35 (350)         USA         6445653 and up         33.97180Q         NGK BUHW         33-14103550         NGK BUZHW           35 BEL         9384476 and up         33.97180Q         NGK BUHW         33-14103550         NGK BUZHW           35 CAN         7209608 and up         33.97180Q         NGK B6S         N/A         N/A           40 (40,400)         1279685 - 1476509         33.813469         NGK B6S         N/A         N/A           40 (40,400,402)         USA         2874704 - 0G053313         33.97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (40,400,402)         AUS         8002335 and up <th>.040 .040 .025 .025 .030</th>	.040 .040 .025 .025 .030
35 (350, 35A) 1271884 - 1960826 33-813469 NGK B6S N/A N/A 35 (350) 1960827 - 2097831 33-813413 NGK B7S N/A N/A 35 (350) 2097832 - 2874703 33-8M0114739 NGK B7HS N/A N/A 35 (350) 2097832 - 2874703 33-8M0114739 NGK B7HS N/A N/A 35 USA 6445653 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 35 BEL 9384476 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 35 CAN 7209608 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (400) 1279685 - 1476509 33-813469 NGK B6S N/A N/A 40 (40, 400, 402) USA 2874704 - 0G053313 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) AUS 8002335 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) BEL 3339688 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) BEL 3339688 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) CAN 3340783 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (2 cyl.) USA 0G053314 and up 33-816737Q NGK BUHW 33-14103550 NGK BUZHW	.025 .025 .030
35 (350)	.025 .030
35 (350) 2097832 - 2874703 33-8M0114739 NGK B7HS N/A N/A 35 USA 6445653 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 35 BEL 9384476 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 35 CAN 7209608 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (400) 1279685 - 1476509 33-813469 NGK B6S N/A N/A 40 (40, 400, 402) USA 2874704 - 0G053313 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) AUS 8002335 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) BEL 3339688 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) BEL 3339688 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) CAN 3340783 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) CAN 3340783 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (2 cyl.) USA 0G053314 and up 33-816737Q NGK BUHW 33-816837Q NGK BPZ8H-N-10	.030
35 USA 6445653 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 35 BEL 9384476 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 35 CAN 7209608 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (400) 1279685 - 1476509 33-813469 NGK B6S N/A N/A 40 (40, 400, 402) USA 2874704 - 0G053313 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) AUS 8002335 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) BEL 3339688 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) BEL 3339688 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) CAN 3340783 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (40, 400, 402) CAN 3340783 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW 40 (2 cyl.) USA 0G053314 and up 33-816737Q NGK BPBH-N-10 33-816837Q NGK BPZ8H-N-10	
35         BEL         9384476 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           35         CAN         7209608 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (400)         1279685 - 1476509         33-813469         NGK BGS         N/A         N/A           40 (40, 400, 402)         USA         2874704 - 0G053313         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (40, 400, 402)         AUS         8002335 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (40, 400, 402)         BEL         3339688 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (40, 400, 402)         CAN         3340783 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (40, 400, 402)         CAN         3340783 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (2 cyl.)         USA         0G053314 and up         33-816737Q         NGK BPBH-N-10         33-816837Q         NGK BPZ8H-N-10	.025
35         CAN         7209608 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (400)         1279685 - 1476509         33-813469         NGK B6S         N/A         N/A           40 (40, 400, 402)         USA         2874704 - 0G053313         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (40, 400, 402)         AUS         8002335 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (40, 400, 402)         BEL         3339688 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (40, 400, 402)         CAN         3340783 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW           40 (2 cyl.)         USA         0G053314 and up         33-97180Q         NGK BUHW         33-14103550         NGK BUZHW	.025
40 (400)       1279685 - 1476509       33 813469       NGK B6S       N/A       N/A         40 (40, 400, 402)       USA       2874704 - 0G053313       33 - 97180Q       NGK BUHW       33 - 14103550       NGK BUZHW         40 (40, 400, 402)       AUS       8002335 and up       33 - 97180Q       NGK BUHW       33 - 14103550       NGK BUZHW         40 (40, 400, 402)       BEL       3339688 and up       33 - 97180Q       NGK BUHW       33 - 14103550       NGK BUZHW         40 (40, 400, 402)       CAN       3340783 and up       33 - 97180Q       NGK BUHW       33 - 14103550       NGK BUZHW         40 (2 cyl.)       USA       0G053314 and up       33 - 816737Q       NGK BP8H-N-10       33 - 816837Q       NGK BPZ8H-N-10	.025
40 (40, 400, 402)       USA       2874704 - 0G053313       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (40, 400, 402)       AUS       8002335 and up       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (40, 400, 402)       BEL       3339688 and up       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (40, 400, 402)       CAN       3340783 and up       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (2 cyl.)       USA       0G053314 and up       33-816737Q       NGK BP8H-N-10       33-816837Q       NGK BPZ8H-N-10	.025
40 (40, 400, 402)       AUS       8002335 and up       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (40, 400, 402)       BEL       3339688 and up       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (40, 400, 402)       CAN       3340783 and up       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (2 cyl.)       USA       0G053314 and up       33-816737Q       NGK BPBH-N-10       33-816837Q       NGK BPZBH-N-10	
40 (40, 400, 402)       BEL       3339688 and up       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (40, 400, 402)       CAN       3340783 and up       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (2 cyl.)       USA       0G053314 and up       33-816737Q       NGK BP8H-N-10       33-816837Q       NGK BPZ8H-N-10	
40 (40, 400, 402)       CAN 3340783 and up       33-97180Q       NGK BUHW       33-14103550       NGK BUZHW         40 (2 cyl.)       USA 0G053314 and up       33-816737Q       NGK BP8H-N-10       33-816837Q       NGK BPZ8H-N-10	
40 (2 cyl.) USA 0G053314 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	
40 (3 cyl.) USA 0G531301 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
	.040
40 (3 cyl.) BEL 9973100 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
40 (4 cyl.) USA 0C159200 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
40 (4 cyl.) BEL 9570790 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
40 JET USA 0T178500 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
40 JET BEL 0P094500 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
45 (450) 1476510 - 1531568 33-813469 NGK B6S N/A N/A	.025
45 (4 cyl.) USA 5531630 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
45 (4 cyl.) AUS 8063985 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
45 (4 cyl.) BEL 9248006 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
45 (4 cyl.) CAN 7143688 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
45 JET USA 0G760300 - 0T129554 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
45 JET BEL 0P017000 - 0P094499 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
50 (500) USA 1421113 - 2097444 33-813469 NGK B6S N/A N/A	.025
50 (500) CAN 1770179 - 2116317 33-813469 NGK B6S N/A N/A	.025
50 (500) USA 2097445 - 4357639 33- 97180Q NGK BUHW 33- 14103550 NGK BUZHW	
50 (500) AUS 2863739 - 8029514 33 - 97180Q NGK BUHW 33 - 14103550 NGK BUZHW	
50 (500) BEL 9001581 - 9107213 33- 97180Q NGK BUHW 33- 14103550 NGK BUZHW	
50 (500) CAN 2116318 - 7068997 33 - 97180Q NGK BUHW 33 - 14103550 NGK BUZHW	
50 (50, 500)(4 cyl.) USA 4357640 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
50 (50, 500)(4 cyl.) AUS 8030090 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
50 (50, 500)(4 cyl.) BEL 9107214 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
50 (50, 500)(4 cyl.) CAN 7068998 and up 33-97182Q NGK BUHW-2 33-14103Q NGK BUZHW-2	
50 (3 cyl.) USA 6428681 - 0D000749 33-97180Q NGK BUHW 33-14103550 NGK BUZHW	
50 (3 cyl.) BEL 9385911 - 9683054 33-97180Q NGK BUHW 33-14103550 NGK BUZHW	
50 (3 cyl.) CAN 7208333 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW	
50 (3 cyl.) USA 0D000750 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
50 (3 cyl.) BEL 9683055 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
55 (3 cyl.) USA 0D000750 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
55 (3 cyl.) BEL 9741042 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
60 (600) 1303411 - 1542744 33-813469 NGK B6S N/A N/A	.025
60 (3 cyl.) USA 6428681 - 0D000749 33- 97180Q NGK BUHW 33- 14103550 NGK BUZHW	
60 (3 cyl.) BEL 9385911 - 9683054 33-97180Q NGK BUHW 33-14103550 NGK BUZHW	
60 (3 cyl.) CAN 7208333 and up 33-97180Q NGK BUHW 33-14103550 NGK BUZHW	
60 (3 cyl.) USA 0D000750 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
60 (3 cyl.) BEL 9683055 and up 33-816737Q NGK BP8H-N-10 33-816837Q NGK BPZ8H-N-10	.040
65 (650)(4 cyl.) 1542745 - 2119748 33-813413 NGK B7S N/A N/A	.025
65 (650S)(4 cyl.) 2119749 - 2309310 33-8M0114739 NGK B7HS N/A N/A	.030
65 (650SS)(4 cyl.) 2119749 - 2309310 33-97180Q NGK BUHW 33-14103550 NGK BUZHW	.000

Model		Serial # Range	Standard Spark Plug Mercury Part Number	Standard Spark Plug Manufacturer's No.	Suppressor(resistor) Spark Plug Mecury No.	Suppressor(resistor) Spark Plug Manufacturer's No.	Gap
65 (650)(3 cyl.)	USA	3293184 - 4571651	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
65 (650)(3 cyl.)	AUS	8006640 and up	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
65 (650)(3 cyl.)	BEL	9020074 - 9135824	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
65 (650)(3 cyl.)	CAN	7013633 - 7087822	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
65 JET	USA	0D283222 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
65 JET	BEL	9793577 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
70 (700)		1296411 - 1566239	33-813469	NGK B6S	N/A	N/A	.025
70 (3 cyl.)	USA	4571652 - 6428680	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
70 (3 cyl.)	AUS	8042350 and up	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
70 (3 cyl.)	BEL	9135825 - 9385910	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
70 (3 cyl.)	CAN	7087823 - 7208332	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
70 (3 cyl.)	USA	0A996142 - 0C221999	33- <b>97182Q</b>	NGK BUHW-2	33- <b>14103Q</b>	NGK BUZHW-2	
70 (3 cyl.)	BEL	9483121 - 9589038	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
75 (4 cyl.)	USA	6432907 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
75 (4 cyl.)	BEL	9393856 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
75 (4 cyl.)	CAN	7208573 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
75 (3 cyl.)	USA	0C222000 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
75 (3 cyl.)	BEL	9589039 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
75 (3 cyl.)(1.5L Optimax)	USA	0T980000 and up	N/A	N/A	33-892567Q	NGK IZFR5J	.032
80 (800)(6 cyl.)		1335465 - 1566239	33-813413	NGK B7S	N/A	N/A	.025
80 (800)(4 cyl.)		2559001 - 3493912	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
80 (80, 800)(4 cyl.)	USA	4831999 - 6432900	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
80 (80, 800)(4 cyl.)	AUS	8050200 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
80 (80, 800)(4 cyl.)	BEL	9177626 - 9393855	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
80 (80, 800)(4 cyl.)	CAN	7110998 - 7208572	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
80 (3 cyl.)	USA	0A996142 - 0C221999	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
80 (3 cyl.)	BEL	9483121 - 9589038	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
80 JET	USA	0D283222 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
80 JET	BEL	9793577 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
85 (850)(6 cyl.)	522	1460999 - 1766823	33-813413	NGK B7S	N/A	11011 21 2011 11 10	.025
85 (850)(4 cyl.)	USA	3493913 - 4831998	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	.020
85 (850)(4 cyl.)	AUS	8005440 - 8050199	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
85 (850)(4 cyl.)	BEL	9011604 - 9177625	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
85 (850)(4 cyl.)	CAN	7010108 - 7110997	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
90 (900)	0/111	1766824 - 1869775	33-813413	NGK B7S	N/A	N/A	.025
90 (90, 900)(6 cyl.)	USA	4845301 and up	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	.020
90 (90, 900)(6 cyl.)	AUS	8060545 and up	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
90 (90, 900)(6 cyl.)	CAN	7111698 and up	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
90 (3 cyl.)	USA	0A996142 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
90 (3 cyl.)	BEL	9483121 and up	33- 97182Q	NGK BUHW-2	33- 14103Q	NGK BUZHW-2	
90 (3 cyl.)(1.5L Optimax)	USA	0T801000 and up	N/A	N/A	33-892567Q	NGK IZFR5J	.032
95 (950)	00/1	1869776 - 1962186	33-8M0114739	NGK B7HS	N/A	N/A	.030
95 (950)		1962187 - 2318585	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	.000
100 (1000)		1464949 - 2318585	33-813413	NGK B7S	N/A	N/A	.025
100 (1000SS/1000BP)		2318586 - 3253111	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	.020
100 (4 cyl.)	USA	0B209468 - 0G960499	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
100 (4 cyl.)	BEL	9523034 - 0P058999	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
110 (1100)	DLL	1870204 - 1962661	33-8M0114739	NGK B7HS	N/A	N/A	.030
110 (1100)		1962662 - 2314955	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	.000
115 (115, 1150)(6 cyl.)	USA	2836019 and up	33- 97180Q 33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
115 (115, 1150)(6 cyl.)	AUS	8008665 and up	33- 97180Q 33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
		·					
115 (115, 1150)(6 cyl.)	CAN	7010763 and up	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	040
115 (4 cyl.)	USA	0C100000 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
115 (4 cyl.)	BEL	9559771 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040

Model		Serial # Range	Standard Spark Plug	Standard Spark Plug	Suppressor(resistor) Spark Plug	Suppressor(resistor) Spark Plug	Gap
445 (2 and )/4 51 Ontinent)	LICA	0.01001000	Mercury Part Number	Manufacturer's No.	Mecury No.	Manufacturer's No.	020
115 (3 cyl.)(1.5L Optimax)	USA	0T801000 and up	N/A	N/A	33-892567Q	NGK IZFR5J	.032
115 Pro XS	USA	1B751825 and up	N/A	N/A	33-892567Q	NGK IZFR5J	.032
125 (1250)(6 cyl.)		2314956 - 3253111	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	0.40
125 (4 cyl.)	USA	0D283222 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
125 (4 cyl.)	BEL	9793577 and up	33-816737Q	NGK BP8H-N-10	33-816837Q	NGK BPZ8H-N-10	.040
135 (1350)(6 cyl.)		2839369 - 3293233	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
140 (140, 1400)(6 cyl.)	USA	3293234 and up	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
140 (140, 1400)(6 cyl.)	AUS	8052650 and up	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
140 (140, 1400)(6 cyl.)	CAN	7112773 and up	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
150 (1500)(6 cyl.)	USA	3502806 - 4865677	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
150 (1500)(6 cyl.)	AUS	8005615 - 8052649	33- 97180Q	NGK BUHW	33- 14103550	NGK BUZHW	
150 (1500)(6 cyl.)	CAN	7010533 - 7112772	33- <b>97180Q</b>	NGK BUHW	33- 14103550	NGK BUZHW	
V-135	USA	0A904646 and up	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-135 DFI	USA	0G590000 and up	N/A	N/A	33- <b>889597Q</b>	NGK IZFR5G	.032
V-150 (150, 1500) Carb	USA	4868998 - 0G960499	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-150 (150, 1500) Carb	USA	0G960500 and up	N/A	N/A	33- <b>14814Q</b>	NGK BPZ8HS-10	.040
V-150 EFI	USA	0D082000 - 0G960499	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-150 EFI	USA	0G960500 and up	N/A	N/A	33- 14814Q	NGK BPZ8HS-10	.040
V-150 (XR2/4/6/Magnum II/III)	USA	4868998 - 0G960499	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-150 (XR2/4/6/Magnum II/III)	USA	0G960500 and up	N/A	N/A	33- 14814Q	NGK BPZ8HS-10	.040
V-150 DFI	USA	0G590000 and up	N/A	N/A	33- <b>889597Q</b>	NGK IZFR5G	.032
V-150 ProXS	USA	1B690542 and up	N/A	N/A	33- <b>843220Q</b>	NGK IZFR6J	.042
V-175 (175, 1750) Carb	USA	4301235 - 0G960499	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-175 (175, 1750) Carb	AUS	8058870 and up	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-175 EFI	USA	0D000750 - 0G960499	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-175 EFI	USA	0G960500 - 0T800999	N/A	N/A	33- 14814Q	NGK BPZ8HS-10	.040
V-175 DFI	USA	0T178500 and up	N/A	N/A	33- <b>889597</b> Q	NGK IZFR5G	.032
V-175 Pro XS	USA	1B516339 and up	N/A	N/A	33- <b>843220</b> Q	NGK IZFR6J	.042
V-200 (200, 2000) Carb	USA	4839034 - 0G960499	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-200 (200, 2000) Carb	AUS	8061595 - 8065672	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-200 (200, 2000) Carb	USA	0G960500 and up	N/A	N/A	33- 14814Q	NGK BPZ8HS-10	.040
V-200 (200, 2000) Carb	USA	0C100861 - 0C291520	N/A	N/A	33- 14103568	NGK BUZ8H	.040
V-200 EFI	USA	0C291521 - 0G960499	33- 13686Q	NGK BU8H	33- 14103568	NGK BUZ8H	
	USA	0G960500 and up	N/A				.040
V-200 EFI (2.5L)			N/A	N/A	33- <b>14814Q</b> 33- <b>941</b>	NGK BPZ8HS-10	
V-200 EFI (3.0L)	USA	0T750164 and up		N/A		Champion QL77CC	.040
V-200 DFI	USA	0G386496 and up	N/A	N/A	33-889597Q	NGK IZFR5G	.032
V-200 Pro XS	USA	1B504989 and up	N/A	N/A	33-889597Q	NGK IZFR5G	.032
V-220 Laser	USA	0B117316 and up	N/A	N/A	33- 14103568	NGK BUZ8H	
V-225 (2.4L)	USA	5628028 and up	33- 13686Q	NGK BU8H	33- 14103568	NGK BUZ8H	0.40
V-225 (3.0L)Carb	USA	0D280813 - 0G437999	N/A	N/A	33-816837Q	NGK BPZ8H-N-10	.040
V-225 (3.0L)Carb	USA	0G438000 and up	N/A	N/A	33- 941	Champion QL77CC	.035
V-225 Sea Pro & Marathon	USA	0G245605 and up	N/A	N/A	33- 941	Champion QL77CC	.035
V-225 EFI(3.0L)	USA	0G129222 and up	N/A	N/A	33- 941	Champion QL77CC	.035
V-225 DFI	USA	0G590000 and up	N/A	N/A	33- <b>889597</b> Q	NGK IZFR5G	.032
V-225 DFI (DTS)	USA	0G599000 and up	N/A	N/A	33- <b>889597Q</b>	NGK IZFR5G	.032
V-225 Pro XS	USA	1B104549 and up	N/A	N/A	33- <b>843220Q</b>	NGK IZFR6J	.042
V-250 (3.4L)	USA	0C101891 and up	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-250 EFI (3.0L)	USA	0G129222 and up	N/A	N/A	33- 941	Champion QL77CC	.035
V-250 DFI (3.0L)	USA	1B528615 and up	N/A	N/A	33- <b>843220Q</b>	NGK IZFR6J	.042
V-250 Pro XS	USA	1B426561 and up	N/A	N/A	33-843220Q	NGK IZFR6J	.042
V-275 (3.4L)	USA	0C101891 and up	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	
V-300 (3.4L)	USA	5611648 and up	33- <b>13686Q</b>	NGK BU8H	33- 14103568	NGK BUZ8H	

# **SPARK PLUG APPLICATION CHART - EARLY MARINER**

**Spark Plug Application Chart - Early Mariner** 

Model	SN Code	Serial # Range	Standard Snark Plug	Standard Spark Plug	Suppressor/Pasistor	Suppressor(Resistor	Gan
Model	SN Code	Serial # Italige		Mercury P/N	) Spark Plug Manufacturer's P/N	) Spark Plug Mercury P/N	Cap
2A (M)	646	ALL - ALL	B6HS	33- <b>82370M</b> 1	BR6HS	33-813472	.024
2B (M)	6A1	000101 - 011600	B6HS	33- <b>82370M</b> 1	BR6HS	33-813472	.024
2B (M)	6A1	011601 and up	B5HS	33-8M0114737	BR5HS	N/A	.024
3.5 (M)	642	00000 - 23740	B7HS	33-8M0114739	BR7HS	N/A	.024
3.5 (ML)	642	00000 - 41690	B7HS	33-8M0114739	BR7HS	N/A	.024
3.5 (M)	642	23741 and up	B6HS	33- <b>82370M</b> 1	BR6HS	33-813472	.024
3.5 (ML)	642	41691 and up	B6HS	33- 82370M 1	BR6HS	33-813472	.024
4A (M, ML)	6E0	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
5A (M, ML)	661	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
5C (M, ML)	6E3	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
6C (M, ML)	6H8	ALL - ALL	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
	6H6		B7HS-10		BR7HS-10	N/A	.039
6D (M, ML)		ALL - ALL		33-8M0114740			
8A (M, ML)	655	ALL - ALL	B6HS	33- 82370M 1	BR6HS	33-813472	.024
8B (M, ML)	677	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
W8(M, ML)	677	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
8 Marathon	677	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
K8 (M, ML)	680	ALL - ALL	B6HS	33- <b>82370M</b> 1	BR6HS	33-813472	.024
8C (M, ML, MUL)	6G1	ALL - ALL	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
9.9C (M)	682	000551 - 032885	B7HS	33-8M0114739	BR7HS	N/A	.024
9.9C (ML)	682	300826 - 338410	B7HS	33-8M0114739	BR7HS	N/A	.024
9.9C (E)	682	250101 - 250945	B7HS	33-8M0114739	BR7HS	N/A	.024
9.9C (EL)	682	550141 - 552315	B7HS	33-8M0114739	BR7HS	N/A	.024
9.9C (M)	682	032886 and up	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
9.9C (ML)	682	338411 and up	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
9.9C (E)	682	250946 and up	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
9.9C (EL)	682	552316 and up	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
15A (M, ML)	651	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
15C (M)	684	000101 - 020025	B7HS	33-8M0114739	BR7HS	N/A	.024
15C (ML)	684	300101 - 316415	B7HS	33-8M0114739	BR7HS	N/A	.024
15C (E)	684	250101 - 251060	B7HS	33-8M0114739	BR7HS	N/A	.024
15C (EL)	684	550101 - 551615	B7HS	33-8M0114739	BR7HS	N/A	.024
15C (M)	684	020026 and up	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
15C (ML)	684	316416 and up	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
15C (E)	684	251061 and up	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
15C (EL)	684	551616 and up	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
W15	662	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
W15B	684	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
W15(Marathon) (M,ML, MUL)	684	ALL - ALL	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
K15 (M, ML)	669	ALL - ALL	B6HS	33- <b>82370M</b> 1	BR6HS	33-813472	.024
K15 (M, ML)	6K4	ALL - ALL	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
K15 (M, ML)	6M7	ALL - ALL	B7HS-10	33-8M0114740	BR7HS-10	N/A	.039
20A (M, ML)	653	ALL - ALL	B6HS	33- <b>82370M</b> 1	BR6HS	33-813472	.024
20C (M, ML, E, EL)	6A9	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
25A (M, ML, E, EL)	648	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
25C (M, ML, E, EL)	695	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
W25 (M, ML)	648	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
W25 (M, ML)	695	ALL - ALL	B7HS	33-8M0114739	BR7HS		.024
W25 (M, ML)	695	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024

Model	SN Code	Serial # Range		Standard Spark Plug Mercury P/N	Suppressor(Resistor ) Spark Plug Manufacturer's P/N	Suppressor(Resistor ) Spark Plug Mercury P/N	Gap
W25 (Marathon)(M, ML)	694	ALL - ALL	B7HS	33- <b>8M</b> 0114739	BR7HS	N/A	.024
K25 (M, ML)	6A4	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
28 (M, ML, E, EL)	664	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
30A (M, ML, E, EL)	689	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
W30 (Marathon)(M, ML)	689	ALL - ALL	B7HS	33- <b>8M0114739</b>	BR7HS	N/A	.024
40A (M, ML, E, EL)	676	ALL - ALL	B8HS	33-8M0114741	BR8HS	N/A	.024
40B (M, ML, E, EL)	676	ALL - ALL	B8HS	33- <b>8M</b> 0114741	BR8HS	N/A	.024
40C (M, ML, E, EL)	6E9	ALL - ALL	B8HS	33-8M0114741	BR8HS	N/A	.024
W40 (M, ML)	676	ALL - ALL	B8HS	33-8M0114741	BR8HS	N/A	.024
W40 (Marathon)(M, ML)	6F6	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
K40 (M, ML)	6F5	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
48 (M, ML)	670	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
W48 (M,ML)	670 A	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
55 (M, ML)	663	ALL - ALL	B8HS	33-8M0114741	BR8HS	N/A	.024
55 (E)	663	00000 - 004040	B8HS	33- <b>8M</b> 0114741	BR8HS	N/A	.024
55 (EL)	663	00000 - 315378	B8HS	33-8M0114741	BR8HS	N/A	.024
55 (E)	663	004041 and up	B8HS-10	N/A	BR8HS-10	33-824406 8	.039
55 (EL)	663	315379 and up	B8HS-10	N/A	BR8HS-10	33-824406 8	.039
W55 (ML)	663	ALL - ALL	B7HS	33-8M0114739	BR7HS	N/A	.024
60 (E)	675	000101 - 000780	B8HS	33-8M0114741	BR8HS	N/A	.024
60 (EL)	675	300101 - 302050	B8HS	33-8M0114741	BR8HS	N/A	.024
60 (E)	675	000781 and up	B8HS-10	N/A	BR8HS-10	33-824406 8	.039
60 (EL)	675	302051 and up	B8HS-10	N/A	BR8HS-10	33-824406 8	.039
60 (E, EL)	6FO	ALL - ALL	B8HS-10	N/A	BR8HS-10	33-824406 8	.039

# HEAVY ABRASION WATER PUMP KIT

# **HEAVY ABRASION RESISTANT WATER PUMP**



## 8M0092022

Heavy duty face plate and housing designed to improve life in highly abrasive water conditions.

Fits the F60 BigFoot/Command Thrust FourStroke outboards and the F75-115 FourStroke outboards.

# **HEAVY ABRASION RESISTANT WATER PUMP**



#### 8M0137849

Heavy duty face plate and housing designed to improve life in highly abrasive water conditions.

15/20 EFI FourStroke outboards, 0R833820 and above. Quicksilver Branded

# **HIGH ENERGY IGNITION KIT**

# **HIGH ENERGY ALTERNATOR KITS**

Replace standard stators with optional ones having alternator coils of higher amperage output.

#### **HIGH ENERGY ALTERNATOR KITS**



#### 856557A 1

Kit contains alternator and regulator/rectifier to convert from 6 amp output to 10 amp output.

Fits Mercury/Mariner 9.9 hp. FourStroke (USA 0G760300-0T979999, BEL 0P075166-0P325499) and 15 hp., 323cc. FourStroke (USA 0G590000-1B727495).

#### **HIGH ENERGY ALTERNATOR KITS**



#### 398-852387A 6

Kit contains alternator and regulator/rectifier to convert from 6 amp output to 15 amp output.

Fits Mercury/Mariner 25 hp. Carbureted FourStroke (0G590000 and newer), 30 (3 cyl.) FourStroke (MY1999-2005) and 40 (3 cyl.) FourStroke (MY1999 & newer).

# **VOLTAGE REGULATOR KIT**

Wires to existing rectifier on electric models with no existing regulator. Designed to regulate voltage to a 14.5 volt maximum output.

#### **VOLTAGE REGULATOR KIT**



#### 88825A 6

Kit contains voltage regulator, wiring and mounting hardware. Fits Mercury / Mariner 35/40 (2 cyl.), 45/50 (4 cyl.), 50/60 (3 cyl. USA 6428681-0D000749, BEL 9385911-9683054, CAN 7208333 & above), 75/80 (4 cyl.), 70/75/80/90 (3 cyl.), 100/115 (4 cyl.), In-Line Six (6 cyl.) and V-6 Outboards (except 300/3.4L).

# **VOLTAGE REGULATOR/RECTIFIER KIT**

Replaces existing rectifier on electric models and provides DC current regulated to a maximum of 14.5 volts.

#### **VOLTAGE REGULATOR/RECTIFIER KIT**



#### 815279A 3

Kit contains regulator/rectifier, wiring and mounting hardware.

Fits Mercury / Mariner 40 (4 cyl. 1989 & newer) and 50/60 (3 cyl. USA 0D000750-0D181999, BEL 9683055-9740999) with enclosed box type electrical plates.

## LIGHTING COIL KITS

For manual starting outboards. Supplies A.C. current which requires either a regulator for lighting-only or a rectifier kit for D.C. battery charging.

#### LIGHTING COIL KIT



#### 16074T05

Includes a required new flywheel assembly. Provides AC current. Fits Mercury/Mariner F4/5/6 HP. FourStroke outboards (0R067090-0R411837).

#### LIGHTING COIL KIT



#### 16837A 2

Kit contains alternator coils, screws and clamp for mounting under flywheel assembly. Provides 12 V, 60 W power.

Fits Mercury/Mariner 4/5 hp. 2 cycle outboards (MY1999 & newer), and 4/5/6 hp. FourStroke outboards (MY1999-2005).

## LIGHTING COIL KIT



#### 42282A 4

Kit contains alternator coils, screws and clamp for mounting under flywheel assembly. Provides 12 V, 60~W power.

Fits various Mercury/Mariner 6 hp. Thru 40 hp. (2 cyl.) 2 cycle outboards. See application chart for specific engine models.

# LIGHTING COIL KIT



#### 8M0056548

Includes the lighting coils and a required new flywheel assembly. Provides AC current.

Fits Mercury/Mariner 4/5/6 FourStroke outboards beginning with 0R426997. Check the application chart as all models do not require this kit.

# LIGHTING REGULATORS

For use with lighting coils, these provide regulated A.C. current.

#### LIGHTING REGULATOR



## 84125T

Fits Mercury / Mariner 4/5 hp. 2 cycle, 4/5/6/8/9.9 hp. 4-Stroke, and Mariner 15/30/40 hp. (Japanese origin). See application chart for specific engine models.

#### **HARNESS**



#### 84-17175

## LIGHTING REGULATOR KIT



#### 95845A 5

Kit contains voltage regulator, wiring and mounting hardware.

Fits various Mercury/Mariner 6 hp. Thru 60 hp. 2 cycle outboards. See application chart for specific engine models.

# LIGHTING COIL KITS CHART - MERCURY/MARINER

# Mercury/Mariner Lighting Coil Kits

Model	Brand	Model Notes	Year Range		Serial # Range	Lighting Coil Kits	Lighting Only Regulators
4	Mercury/Mariner		1990 - 2019		0A855097 and up	16837A 2	84125T(2)
4	Mercury/Mariner		1990 - 2019	BEL	9586000 and up	16837A 2	84125T(2)
4	Mariner	Early Japanese			6E0/6E3 Models and up	N.L.A.	84125T(2)
4 FourStroke	Mercury/Mariner		1999 - 2005	JPN	0R000001 - 0R067089	16837A 2	84125T(2)
4 FourStroke	Mercury/Mariner		1999 - 2005	BEL	0P073456 - 0P400999	16837A 2	84125T(2)
4 FourStroke	Mercury/Mariner		2006 - 2011	JPN	0R067090 - 0R411837	16074T05	N/A
4 FourStroke	Mercury/Mariner		2006 - 2011	BEL	0P401000 - 0R411837	16074T05	N/A
4 FourStroke	Mercury/Mariner		2011	JPN	0R411838 - 0R426996	N/A(1)	84125T(2)
4 FourStroke	Mercury/Mariner		2011 - 2019	JPN	0R426997 and up	8M0056548	84125T(2)
5	Mercury/Mariner		1990 - 2019	USA	0A855097 and up	16837A 2	84125T(2)
5	Mercury/Mariner		1990 - 2019	BEL	9586000 and up	16837A 2	84125T(2)
5	Mariner	Early Japanese			6E0/6E3 Models and up	N.L.A.	84125T(2)
5 FourStroke	Mercury/Mariner		1999 - 2005	JPN	0R000001 - 0R067089	16837A 2	84125T(2)
5 FourStroke	Mercury/Mariner		1999 - 2005	BEL	0P073456 - 0P400999	16837A 2	84125T(2)
5 FourStroke	Mercury/Mariner		2006 - 2011	JPN	0R067090 - 0R411837	16074T05	N/A
5 FourStroke	Mercury/Mariner		2006 - 2011	BEL	0P401000 - 0R411837	16074T05	N/A
5 FourStroke	Mercury/Mariner		2011	JPN	0R411838 - 0R426996	N/A(1)	84125T(2)
5 FourStroke	Mercury/Marine	Sailpower	2011 - 2019	JPN	0R426997 and up	N/A(1)	84125T(2)
		Non-EPA				N/A(1)	84125T(2)
		EPA Models				8M0056548	84125T(2)
6	Mercury/Mariner		1986 - 2003	USA	0A197112 - 0T800749	42282A 4	95845A 5
6	Mercury/Mariner		1986 - 2019	BEL	9461526 and up	42282A 4	95845A 5
6 FourStroke	Mercury/Mariner		1999 - 2005	JPN	0R000001 - 0R067089	16837A 2	84125T(2)
6 FourStroke	Mercury/Mariner		1999 - 2005	BEL	0P073456 - 0O400999	16837A 2	84125T(2)
6 FourStroke	Mercury/Mariner		2006 - 2011	JPN	0R067090 - 0R411837	16074T05	N/A
6 FourStroke	Mercury/Mariner		2006 - 2011	BEL	0P401000 - 0R411837	16074T05	N/A
6 FourStroke	Mercury/Mariner		2011	JPN		N/A(1)	84125T(2)
6 FourStroke	Mercury/Mariner		2011 - 2019	JPN	0R426997 and up	8M0056548	84125T(2)
8	Mercury/Mariner		1986 - 2019		0A197112 and up	42282A 4	95845A 5
8	Mercury/Mariner		1986 - 2019		9461526 and up	42282A 4	95845A 5
8 FourStroke	Mercury/Mariner	232 cc. Bodensee	1995 - 1998		0H000058 - 0H017099	N/A	84125T(2)
8 FourStroke	Mercury/Mariner	232 cc. Bodensee	1999 - 2000		0G760300 - 0T178499	N/A(1)	84125T(2)
8 FourStroke	Mercury/Mariner	323 cc. Bodensee	2001 - 2004		0P086824 - 0P325499	N/A(1)	84125T(2)
8 FourStroke	Mercury/Mariner		2005 - 2019		0R042475 and up	(3)	(3)
8 FourStroke	Mercury/Mariner		2005 - 2019		0P325500 and up	(3)	(3)
9.9	Mercury/Mariner		1986 - 2019		0A197112 and up	42282A 4	95845A 5
9.9	Mercury/Mariner		1986 - 2019		9461526 and up	42282A 4	95845A 5
9.9 FourStroke	Mercury/Mariner	232 cc.	1995 - 1998		0H000058 - 0H016909	N/A(1)	84125T(2)
9.9 FourStroke	Mercury/Mariner	323 cc.	1999 - 2004		0T979999 and up	N/A(1)	84125T(2)
9.9 FourStroke	Mercury/Mariner	323 cc.	1999 - 2004		0P325499 and up	N/A(1)	84125T(2)
9.9 FourStroke	Mercury/Mariner	020 00.	2005 - 2019		0R042475 and up		. ,
9.9 FourStroke	•					(3)	(3)
	Mercury/Mariner		2005 - 2019		0P325500 and up	(3)	(3)
15	Mercury/Mariner		1986 - 2019		0A197112 and up	42282A 4	95845A 5
15	Mercury/Mariner	Fast, Issues	1986 - 2019	RFL	9461526 and up	42282A 4	95845A 5
15	Mariner	Early Japanese	Prior to - 1988			N.L.A.	84125T(2)

	Brand	Model Notes	Year Range		Serial # Range	Lighting Coil Kits	Lighting Only Regulators
15 FourStroke	Mercury/Mariner	323 cc.	1998 - 2008	USA	0G590000 and up	N/A(1)	84125T(2)
15 FourStroke	Mercury/Mariner	323 cc.	1998 - 2008	BEL	9973100 and up	N/A(1)	84125T(2)
15 FourStroke	Mercur/Mariner	351 cc.	2008 - 2019	JPN	0R235949 - 0R833819	N/A(1)	N/A(3)
18	Mercury/Mariner		1980 - 1985	USA	5837437 and up	42282A 4	95845A 5
18	Mercury/Mariner		1980 - 1983	AUS	8071973 and up	42282A 4	95845A 5
18	Mercury/Mariner		1980 - 1985	BEL	9308306 and up	42282A 4	95845A 5
18	Mercury/Mariner		1980 - 1985	CAN	7173723 and up	42282A 4	95845A 5
20	Mercury/Mariner		1986 - 2003	USA	6443973 - 0T800749	42282A 4	95845A 5
20	Mercury/Mariner		1986 - 2019	BEL	9415101 and up	42282A 4	95845A 5
20	Mercury/Mariner		1986 - 2003	CAN	7209533 and up	42282A 4	95845A 5
20 FourStroke	Mercury/Mariner		2008 - 2019	JPN	0R235168 - 0R833819	N/A(1)	N/A(3)
25	Mercury/Mariner		1980 - 2019	USA	5837437 and up	42282A 4	95845A 5
25	Mercury/Mariner		1980 - 2019	AUS	8071973 and up	42282A 4	95845A 5
25	Mercury/Mariner		1980 - 2019	BEL	9308306 and up	42282A 4	95845A 5
25	Mercury/Mariner		1980 - 2019	CAN	7173723 and up	42282A 4	95845A 5
25 FourStroke	Mercury/Mariner	Carb model only	1998 - 2006	USA	0G590000 and up	(3)	(3)
25 FourStroke	Mercury/Mariner	Carb model only	1998 - 2006	BEL	9973100 and up	(3)	(3)
30	Mariner	2 cylinder, Early Japanese				N.L.A.	84125T(2)
30	Mercury/Mariner	2 cylinder, 644 cc.	1994 - 2002	USA	0G053314 - 0T598999	N/A(1)	95845A 5
30	Mercury/Mariner	2 cylinder, 644 cc.	1994 - 2002	BEL	9854537 - 0P206999	N/A(1)	95845A 5
35	Mercury/Mariner	2 cylinder	1984 - 2019	USA	6445653 and up	42282A 4	95845A 5
35	Mercury/Mariner	2 cylinder	1984 - 2019	BEL	9384476 and up	42282A 4	95845A 5
35	Mercury/Mariner	2 cylinder	1984 - 2019	CAN	7209608 and up	42282A 4	95845A 5
40	Mariner	2 cylinder, Early Japanese				N.L.A.	84125T(2)
40	Mercury/Mariner	2 cylinder	1980 - 1984	USA	5823918 - 0G053313	42282A 4	95845A 5
40	Mercury/Mariner	2 cylinder	1980 - 1984	AUS	8070640 and up	42282A 4	95845A 5
40	Mercury/Mariner	2 cylinder	1980 - 1984	BEL	9298955 - 9854536	42282A 4	95845A 5
40	Mercury/Mariner	2 cylinder	1980 - 1984	CAN	7169338 and up	42282A 4	95845A 5
40	Mercury/Mariner	2 cylinder, 644 cc.	1994 - 2003	USA	0G053314 - 0T800749	N/A(1)	95845A 5
40	Mercury/Mariner	2 cylinder, 644 cc.	1994 - 2003	BEL	9854537 - 0P267999	N/A(1)	95845A 5
40	Mercury/Mariner	3 cylinder	1997 - 2019	USA	0G531301 and up	N/A(1)	95845A 5
40	Mercury/Mariner	3 cylinder	1997 - 2019	BEL	9973100 and up	N/A(1)	95845A 5
40	Mercury/Mariner	4 cylinder	1989 - 1997	USA	0C159200 and up	N.L.A.	95845A 5
40	Mercury/Mariner	4 cylinder	1989 - 1997	BEL	9570790 and up	N.L.A.	95845A 5
45	Mercury/Mariner	4 cylinder	1986 - 1989	USA	0A914859 and up	N.L.A.	95845A 5
45	Mercury/Mariner	4 cylinder	1986 - 1989	AUS	8063985 and up	N.L.A.	95845A 5
45	Mercury/Mariner	4 cylinder	1986 - 1989	BEL	9248006 and up	N.L.A.	95845A 5
45	Mercury/Mariner	4 cylinder	1986 - 1989	CAN	0A709616 and up	N.L.A.	95845A 5
50	Mercury/Mariner	4 cylinder	1980 - 1985	USA	5531630 - 0A914858	N.L.A.	95845A 5
50	Mercury/Mariner	4 cylinder	1980 - 1985	AUS	8063985 - 8063984	N.L.A.	95845A 5
50	Mercury/Mariner	4 cylinder	1980 - 1985	BEL	9248006 - 9248005	N.L.A.	95845A 5
50	Mercury/Mariner	4 cylinder	1980 - 1985	CAN	7143688 - 0A709615	N.L.A.	95845A 5
55	Mercury/Mariner	51.8 CID	1996 - 1997	USA	0D000750 - 0G589999	N/A(1)	95845A 5
55	Mercury/Mariner	51.8 CID	1996 - 1997	BEL	9741042 - 9973099	N/A(1)	95845A 5
55	Mercury/Mariner	59 CID	1998 - 2019	USA	0G590000 and up	N/A(1)	95845A 5
55	Mercury/Mariner	59 CID	1998 - 2019	BEL	9973100 and up	N/A(1)	95845A 5
60	Mercury/Mariner	59 CID	1998 - 2019	USA	0G590000 and up	N/A(1)	95845A 5
60	Mercury/Mariner	59 CID	1998 - 2019	BEL	9973100 and up	N/A(1)	95845A 5

<sup>(1)</sup> Lighting coils are already a part of the stator assembly and not required as a separate kit.

<sup>(2)</sup> Harness 84-17175 required to complete assembly.

<sup>(3)</sup> No kit available for this model.

# **BATTERY CHARGING KIT**

For use with lighting coils, these provide D.C. current for recharging a 12 volt battery.

#### **BATTERY CHARGING KIT**



#### 16838A 4

Kit contains voltage rectifier, wiring and mounting hardware.

Fits Mercury/Mariner 4/5 hp. 2 cycle and FourStroke outboards. See chart for specific engine models.

#### **BATTERY CHARGING KIT**



#### 83-8M0060278

Kit contains voltage rectifier and fused wiring.

Fits older Mariner Models 4A, 5C, 8B, 8K, 9.9C, 15C, 20C, 25C, K25, 28, K40, 40 twin, and various Marathon models (all of Japanese origin). Please use the Electronic Parts Catalog to identify the correct model usage.

#### **BATTERY CHARGING KIT**



#### 62351A10

Kit contains voltage rectifier, wiring and mounting hardware.

Fits various Mercury/Mariner 6 hp. thru 60 hp. 2 cycle outboards. See application chart for specific engine models.

#### **BATTERY CHARGING KIT**



#### 83-70350A 2

Kit contains voltage rectifier and wiring. Also requires additional harness from lighting coil to rectifier.

Fits Mariner 15/30/40 hp. (2 cyl.) 2 cycle outboards of Japanese origin. See application chart for specific engine models.

#### **BATTERY CHARGING KIT**



#### 828038A 1

Kit contains voltage rectifier, wiring and mounting hardware.

Fits Mercury/Mariner 9.9 hp. FourStroke, 1995 - 1998, and 8 hp. FourStroke (Bodensee) engines 1995-2000.

#### **BATTERY CHARGING KIT**



#### 895299A02

A kit designed to provide 6 amp battery charging capability at wide open throttle to a manual start outboard.

Fits the 8/9.9 hp. FourStroke, Model Year 2005 and newer, both standard and BigFoot models.

#### **BATTERY CHARGING KIT**



#### 895299A03

Allows manual start models to provide a 12 amp charge to a 12 volt battery at wide open throttle.

Fits the 15/20 Hp. FourStroke (351cc) outboard, serial number 0R235168 - 0R833819.

#### **BATTERY CHARGING KIT**



#### 898103A90

Allows manual start models to charge 15 amps to a 12 volt battery at wide open throttle

Fits the 25-30 Hp EFI FourStroke outboard, serial number 0R106999 & above.

#### **BATTERY CHARGING KIT**



#### 8M0056549

Kit contains volatge rectifier, wiring and mounting hardware. Used for providing a 4 amp DC charge to a 12 volt battery at wide open throttle.

Fits Mercury/Mariner 4/5/6hp. FourStroke outboards beginning with serial number 0R411838. Some models may require lighting coils be added. See application chart for specific models.

#### **BATTERY CHARGING KIT**



## 8M0137842

Kit contains voltage rectifier and mounting hardware. 15/20 EFI FourStroke outboard, 0R833820 and above. Quicksilver Branded

# HARNESS ASSEMBLY

Used to complete a battery charging kit application.

#### HARNESS ASSEMBLY



#### 84-86939A 2

Fits Mariner 15/30/40 hp. (2 cyl.) 2 cycle outboards of Japanese origin. See application chart for specific engine models.

#### HARNESS ASSEMBLY



#### 856558A 2

Connects to existing voltage regulator/rectifier. Manual motors within the serial groups listed below have standard 6 amp charging and electric models are 10 amp standard.

Fits Mercury/Mariner 8 hp. FourStroke (BEL 0P086824-0P325499), 9.9 hp. FourStroke (USA 0G760300-0T979999) and 15 hp., 323cc. FourStroke (USA 0G590000-1B727495).

# **BATTERY CHARGING KITS CHART - MERCURY/MARINER**

## Mercury/Mariner Battery Charging Kits

Model	Brand	Model Notes	Year Range	Country	Serial # Range	Lighting Coil Kits	Charging Rectifier Kits	Extra Required Harness
4	Mercury/Mariner		1990 - 2019	USA	0A855097 and up	16837A 2	16838A 4	N/A
4	Mercury/Mariner		1990 - 2019	BEL	9586000 and up	16837A 2	16838A 4	N/A
4	Mariner	Early Japanese			6E0/6E3 Models and up	N.L.A.	83-8M0060278	N/A
4 FourStroke	Mercury/Mariner		1999 - 2005	JPN	0R000001 - 0R067089	16837A 2	16838A 4	N/A
4 FourStroke	Mercury/Mariner		1999 - 2005	BEL	0P073456 - 0P400999	16837A 2	16838A 4	N/A

Model	Brand	Model Notes	Year Range	Country	Serial # Range	Lighting Coil Kits	Charging Rectifier Kits	Extra Required Harness
4 FourStroke	Mercury/Mariner		2006 - 2011	JPN	0R067090 - 0R411837	16074T05	16838A 4	N/A
4 FourStroke	Mercury/Mariner		2006 - 2011	BEL	0P401000 - 0R411837	16074T05	16838A 4	N/A
4 FourStroke	Mercury/Mariner		2011	JPN	0R411838 - 0R426996	N/A(1)	8M0056549	N/A
4 FourStroke	Mercury/Mariner		2011 - 2019	JPN	0R426997 and up	8M0056548	8M0056549	N/A
5	Mercury/Mariner		1990 - 2019	USA	0A855097 and up	16837A 2	16838A 4	N/A
5	Mercury/Mariner		1990 - 2019	BEL	9586000 and up	16837A 2	16838A 4	N/A
5	Mariner	Early Japanese			6E0/6E3 Models and up	N.L.A.	83-8M0060278	N/A
5 FourStroke	Mercury/Mariner		1999 - 2005	JPN	0R000001 - 0R067089	16837A 2	16838A 4	N/A
5 FourStroke	Mercury/Mariner		1999 - 2005	BEL	0P073456 - 0P400999	16837A 2	16838A 4	N/A
5 FourStroke	Mercury/Mariner		2006 - 2011	JPN	0R067090 - 0R411837	16074T05	16838A 4	N/A
5 FourStroke	Mercury/Mariner		2006 - 2011	BEL	0P401000 - 0R411837	16074T05	16838A 4	N/A
5 FourStroke	Mercury/Mariner		2011	JPN	0R411838 - 0R426996	N/A(1)	8M0056549	N/A
5 FourStroke	Mercury/Mariner	Sailpower	2011 - 2019	JPN	0R426997 and up	N/A(1)	8M0056549	N/A
		ML model, non-EPA				N/A(1)	8M0056549	N/A
		EPA and all other models				8M0056548	8M0056549	N/A
6	Mercury/Mariner		1986 - 2003	USA	0A197112 - 0T800749	42282A 4	62351A10	N/A
6	Mercury/Mariner		1986 - 2019	BEL	9461526 and up	42282A 4	62351A10	N/A
6 FourStroke	Mercury/Mariner		1999 - 2005	JPN	0R000001 - 0R067089	16837A 2	16838A 4	N/A
6 FourStroke	Mercury/Mariner		1999 - 2005	BEL	0P073456 - 0P400999	16837A 2	16838A 4	N/A
6 FourStroke	Mercury/Mariner		2006 - 2011	JPN	0R067090 - 0R411837	16074T05	16838A 4	N/A
6 FourStroke	Mercury/Mariner		2006 - 2011	BEL	0P401000 - 0R411837	16074T05	16838A 4	N/A
6 FourStroke	Mercury/Mariner		2011	JPN	0R411838 - 0R426996	N/A(1)	8M0056549	N/A
6 FourStroke	Mercury/Mariner		2011 - 2019	JPN	0R426997 and up	8M0056548	8M0056549	N/A
8	Mercury/Mariner		1986 - 2019	USA	0A197112 and up	42282A 4	62351A10	N/A
8	Mercury/Mariner		1986 - 2019	BEL	9461526 and up	42282A 4	62351A10	N/A
8 FourStroke	Mercury/Mariner	232 cc. Bodensee	1995 - 1998	USA	0H000058 - 0H017099	N/A	828038A 1	N/A
8 FourStroke	Mercury/Mariner	232 cc. Bodensee	1999 - 2000	USA	0G760300 - 0T178499	N/A(1)	828038A 1	N/A
8 FourStroke	Mercury/Mariner	323 cc. Bodensee	2001 - 2004	BEL	0P086824 - 0P325499	N/A(1)	N/A(2)	856558A 2
8 FourStroke	Mercury/Mariner	209 cc.	2005 - 2019	JPN	0R042575 and up	N/A(4)	895299A02	N/A
8 FourStroke	Mercury/Mariner		2005 - 2019	BEL	0P325500 and up	N/A(4)	895299A02	N/A
9.9	Mercury/Mariner		1986 - 2019	USA	0A197112 and up	42282A 4	62351A10	N/A
9.9	Mercury/Mariner		1986 - 2019	BEL	9461526 and up	42282A 4	62351A10	N/A
9.9 FourStroke	Mercury/Mariner	232 cc.	1995 - 1998	USA	0H000058 - 0H016909	N/A(1)	828038A 1	N/A
9.9 FourStroke	Mercury/Mariner	323 cc.	1999 - 2004	USA	0G760300 - 0T979999	N/A(1)	N/A(2)	856558A 2
9.9 FourStroke	Mercury/Mariner	323 cc.	1999 - 2004	BEL	0P075166 - 0P325499	N/A(1)	N/A(2)	856558A 2
9.9 FourStroke	Mercury/Mariner	209 cc.	2005 - 2019	JPN	0R042475 and up	N/A(4)	895299A02	N/A
9.9 FourStroke	Mercury/Mariner		2005 - 2019	BEL	0P325500 and up	N/A(4)	895299A02	N/A
15	Mercury/Mariner		1986 - 2019	USA	0A197112 and up	42282A 4	62351A10	N/A
15	Mercury/Mariner		1986 - 2019	BEL	9461526 and up	42282A 4	62351A10	N/A
15	Mariner	Early Japanese	Prior to - 1988			N.L.A.	83- <b>70350A 2</b>	84- <b>86939A 2</b>
15 FourStroke	Mercury/Mariner	323 cc.	1998 - 2008	USA	0G590000 and up	N/A(1)	N/A(2)	856558A 2
15 FourStroke	Mercury/Mariner		1998 - 2008	BEL	9973100 and up	N/A(1)	N/A(2)	856558A 2
15 FourStroke	Mercury/Mariner		2008 - 2019	JPN	0R235949 - 0R833819	N/A	895299A03	N/A
15 EFI FourStroke	Mercury/Mariner		2017 - 2019	JPN	0R833820 and up	N/A	8M0137842	N/A
18	Mercury/Mariner		1980 - 1985	USA	5837437 and up	42282A 4	62351A10	N/A
18	Mercury/Mariner		1980 - 1983	AUS	8071973 and up	42282A 4	62351A10	N/A
18	Mercury/Mariner		1980 - 1985	BEL	9308306 and up	42282A 4	62351A10	N/A
18	Mercury/Mariner		1980 - 1985	CAN	7173723 and up	42282A 4	62351A10	N/A
20	Mercury/Mariner		1986 - 2003	USA	6443973 - 0T800749	42282A 4	62351A10	N/A
20	Mercury/Mariner		1986 - 2019	BEL	9415101 and up	42282A 4	62351A10	N/A
20	Mercury/Mariner		1986 - 2003	CAN	7209533 and up	42282A 4	62351A10	N/A

Model	Brand	Model Notes	Year Range	Country	Serial # Range	Lighting Coil Kits	Charging Rectifier Kits	Extra Required Harness
20 FourStroke	Mercury/Mariner		2008 - 2019	JPN	0R235168 - 0R833819	N/A	895299A03	N/A
20 EFI FourStroke	Mercury/Mariner		2017 - 2019	JPN	0R833820 and up	N/A	8M0137842	N/A
25	Mercury/Mariner		1980 - 2019	USA	5837437 and up	42282A 4	62351A10	N/A
25	Mercury/Mariner		1980 - 2019	AUS	8071973 and up	42282A 4	62351A10	N/A
25	Mercury/Mariner		1980 - 2019	BEL	9308306 and up	42282A 4	62351A10	N/A
25	Mercury/Mariner		1980 - 2019	CAN	7173723 and up	42282A 4	62351A10	N/A
25 FourStroke	Mercury/Mariner	Carb models	1998 - 2006	USA	0G590000 and up	(3)	(3)	N/A
25 FourStroke	Mercury/Mariner	Carn models	1998 - 2006	BEL	9973100 and up	(3)	(3)	N/A
25 FourStroke	Mercury/Mariner	EFI models	2006 - 2019	JPN	0R106999 and up	(4)	898103A90	N/A
25 FourStroke	Mercury/Mariner	EFI models	2006 - 2019	BEL	0P401000 and up	(4)	898103A90	N/A
30	Mariner	2 cylinder, Early Japanese				N.L.A.	83- <b>70350A 2</b>	84- <b>86939A 2</b>
30	Mercury/Mariner	2 cylinder, 644 cc.	1994 - 2002	USA	0G053314 - 0T598999	N/A(1)	62351A10	N/A
30	Mercury/Mariner	2 cylinder, 644 cc.	1994 - 2002	BEL	9854537 - 0P206999	N/A(1)	62351A10	N/A
30 FourStroke	Mercury/Mariner	EFI models	2006 - 2019	JPN	0R106999 and up	(4)	898103A90	N/A
30 FourStroke	Mercury/Mariner	EFI models	2006 - 2019	BEL	0P401000 and up	(4)	898103A90	N/A
35	Mercury/Mariner	2 cylinder	1984 - 2019	USA	6445653 and up	42282A 4	62351A10	N/A
35	Mercury/Mariner	2 cylinder	1984 - 2019	BEL	9384476 and up	42282A 4	62351A10	N/A
35	Mercury/Mariner	2 cylinder	1984 - 2019	CAN	7209608 and up	42282A 4	62351A10	N/A
40	Mariner	2 cylinder, Early Japanese				N.L.A.	83- <b>70350A 2</b>	84- <b>86939A 2</b>
40	Mercury/Mariner	2 cylinder	1980 - 1984	USA	5823918 - 0G053313	42282A 4	62351A10	N/A
40	Mercury/Mariner	2 cylinder	1980 - 1984	AUS	8070640 and up	42282A 4	62351A10	N/A
40	Mercury/Mariner	2 cylinder	1980 - 1984	BEL	9298955 - 9854536	42282A 4	62351A10	N/A
40	Mercury/Mariner	2 cylinder	1980 - 1984	CAN	7169338 and up	42282A 4	62351A10	N/A
40	Mercury/Mariner	2 cylinder, 644 cc.	1994 - 2003	USA	0G053314 - 0T800749	N/A(1)	62351A10	N/A
40	Mercury/Mariner	2 cylinder, 644 cc.	1994 - 2003	BEL	9854537 - 0P267999	N/A(1)	62351A10	N/A
40	Mercury/Mariner	3 cylinder	1997 - 2019	USA	0G531301 and up	N/A(1)	62351A10	N/A
40	Mercury/Mariner	3 cylinder	1997 - 2019	BEL	9973100 and up	N/A(1)	62351A10	N/A
40	Mercury/Mariner	4 cylinder	1989 - 1997	USA	0C159200 and up	N.L.A.	62351A10	N/A
40	Mercury/Mariner	4 cylinder	1989 - 1997	BEL	9570790 and up	N.L.A.	62351A10	N/A
45	Mercury/Mariner	4 cylinder	1986 - 1989	USA	0A914859 and up	N.L.A.	62351A10	N/A
45	Mercury/Mariner	4 cylinder	1986 - 1989	AUS	8063985 and up	N.L.A.	62351A10	N/A
45	Mercury/Mariner	4 cylinder	1986 - 1989	BEL	9248006 and up	N.L.A.	62351A10	N/A
45	Mercury/Mariner	4 cylinder	1986 - 1989	CAN	0A709616 and up	N.L.A.	62351A10	N/A
50	Mercury/Mariner	4 cylinder	1980 - 1985	USA	5531630 - 0A914858	N.L.A.	62351A10	N/A
50	Mercury/Mariner	4 cylinder	1980 - 1985	AUS	8063985 - 8063984	N.L.A.	62351A10	N/A
50	Mercury/Mariner	4 cylinder	1980 - 1985	BEL	9248006 - 9248005	N.L.A.	62351A10	N/A
50	Mercury/Mariner	4 cylinder	1980 - 1985	CAN	7143688 - 0A709615	N.L.A.	62351A10	N/A
55	Mercury/Mariner	51.8 CID	1996 - 1997	USA	0D000750 - 0G589999	N/A(1)	62351A10	N/A
55	Mercury/Mariner	51.8 CID	1996 - 1997	BEL	9741042 - 9973099	N/A(1)	62351A10	N/A
55	Mercury/Mariner	59 CID	1998 - 2019	USA	0G590000 and up	N/A(1)	62351A10	N/A
55	Mercury/Mariner	59 CID	1998 - 2019	BEL	9973100 and up	N/A(1)	62351A10	N/A
60	Mercury/Mariner	59 CID	1998 - 2019	USA	0G590000 and up	N/A(1)	62351A10	N/A
60	Mercury/Mariner	59 CID	1998 - 2019	BEL	9973100 and up	N/A(1)	62351A10	N/A

<sup>(1)</sup> Lighting coils are already a part of the stator assembly and not required as a separate kit.

<sup>(2)</sup> Charging rectifier already present on outboard and not required to be added.

<sup>(3)</sup> Kits are not available for this model.

<sup>(4)</sup> Lighting coils are included in the battery charging kit.

# **POWER TRIM KIT**

These kits are designed to add power trim to motors not equipped with power trim at time of manufacture. Remote operation of any power trim requires the use of a power trim control panel or a trim type remote control if not already so equipped.

#### **POWER TRIM KIT**



#### 822344A11

Single ram integral trim with cowl mounted trim switch.

Fits Mercury/Mariner 30/40 hp. 2 cycle outboards, 1995 thru 1996 1/2. See application chart for specific engine models.

#### **POWER TRIM KIT**



#### 822344A13

Single ram integral trim with cowl mounted trim switch.

Fits various Mercury/Mariner 25/40/45/50 hp. 4-Stroke, 30/40 2 cycle, 30 JET and 40/50 (3 cyl.) 2 cycle outboards. See application chart for specific engine models.

#### **POWER TRIM KIT**



## 8M0055001

Single ram integral trim with cowl mounted trim switch.

Fits various Mercury/Mariner 30 thru 50 hp. 4-Stroke and 55/60 (3 cyl.) 2 cycle outboards. See application chart for specific engine models.

#### **POWER TRIM KIT**



#### 8M0055002

Single ram integral trim with cowl mounted trim switch.

Fits Mercury/Mariner 30/40 hp. (3 cyl.) 4-Stroke outboards with standard gearcase, USA serial number 0T294065-1B226999 and BEL serial number 0P094500-0P400999. See application chart for specific engine models.

#### **POWER TRIM KIT**



#### 8M0055003

Single ram integral trim with cowl mounted trim switch.

Fits Mercury/Mariner 40 hp. (3 cyl.) FourStroke EFI outboards beginning with Model Year 2006. See application chart for specific engine models.

#### **POWER TRIM KIT**



#### 8M0054999

Single ram integral trim with cowl mounted trim switch.

Fits Mercury/Mariner 45 hp. FourStroke(1999-2000), 45 JET(1993-1997) and 50/60 hp. (3 cylinder, 1993-1997) 2 cycle outboards. See application chart for specific engine models.

#### **POWER TRIM KIT**



#### 8M0055000

Single ram integral trim with cowl mounted trim switch.

Fits various Mercury/Mariner 30 JET (4 cyl.) and 40 hp. (4 cyl.) 2 cycle outboards. See application chart for specific engine models.

#### **POWER TRIM KIT**



#### 8M0055008

Single ram integral trim with cowl mounted trim switch.

Fits Mercury/Mariner 40 hp. (3 cyl.) 4-Stroke Bigfoot, 40 hp. (4 cyl., 996 cc.) 4-Stroke Bigfoot, 50/60 hp. (4 cyl., 996 cc.) 4-Stroke, and 60 (3 cyl.) 2 cycle Bigfoot outboards. See application chart for specific engine models.

# **POWER TRIM KIT**



#### 855654A 6

Single ram integral trim with cowl mounted trim switch.

Fits Mercury/Mariner 30/40 hp. (3 cyl.) 4-Stroke outboards with Bigfoot gearcase beginning with serial number 0T294065-1B226999. See application chart for specific engine models.

#### **POWER TRIM KIT**



#### 826729A10

Three ram integral power trim.

Fits Mercury/Mariner 70/75/80/90 hp. (3 cyl.) 2 cycle outboards, 1987 thru 1997 1/2 and 75 hp. (4 cyl.) 2 cycle, 1984 thru 1987. See application chart for specific engine models.

# **POWER TRIM & TILT KIT**



#### 822344A12

Fits Force 40/50 hp. outboards (USA 0E093700 and Newer).

#### **POWER TRIM & TILT KIT**



#### 8M0090334

Fits Force 90/120 hp. outboards (USA 0E093700-0E173408).

## **POWER TRIM SWITCH KIT**

Operates the power trim kit added to an electric model.

#### **POWER TRIM SWITCH KIT**



#### 87- 14645A 4

Toggle switch style. Tiller handle mounted.

Fits Mercury/Mariner 40 JET and 50/60 hp. outboards and operates the power trim kit added to a base ELHO model engine. See Tiller application chart for specific engine models.

# POWER TRIM SWITCH KIT



#### 87-18286A18

Rocker style switch with 10 ft. harness and bullet connectors. Can be surface mounted or flush mounted. Provides tilt control from the bow or transom location. Fits Mercury/Mariner models equipped with integral trim pump.

### POWER TRIM SWITCH KIT



#### 87-8M0042301

Rocker switch style with bullet connectors. Cowl mounted. Connects directly to engine harness.

Fits Force 40-120 hp. Outboards.

### REMOTE MOUNTED POWER TRIM ACCESSORIES

These accessories can be used with applications requiring the installation of the remote mounted style power trim pump.

### POWER TRIM PUMP MOUNTING BRACKET



#### 862548A 1

Allows mounting to floor or transom. Includes lag bolts and washers. Fits various Mercury / Mariner applications requiring a remote style power trim pump.

### POWER TRIM CHART - MERCURY/MARINER FOURSTROKE

THESE ARE NOT REPLACEMENT POWER TRIMS. These kits are add-on power trim kits designed for addition to outboard engines that were not furnished a power trim at time of manufacture.

#### FourStroke Outboard Power Trim Kit Chart

Model	Model Notes	Year Range	Country	Serial # Range	Power Trim Kit Part Number	Port Mount Analog Trim Sender	Starboard Mount Analog Trim Sender
8 FourStroke	232 cc.	1995 - 1998	USA	0H000058 - 0H017349		N/A	N/A
8 FourStroke	232 cc.	1999 - 2000	USA	0G760300 - 0T178499		N/A	N/A
8 FourStroke	323 cc.	2001 - 2004	BEL	0P086824 - 0P325499	NLA	N/A	N/A
8 FourStroke	209 cc.	2005 - 2019	JPN	0R042475 and up		N/A	N/A
8 FourStroke	209 cc.	2005 - 2019	BEL	0P325500 and up		N/A	N/A
9.9 FourStroke	232 cc.	1995 - 1998	USA	0H000058 - 0H016909		N/A	N/A
9.9 FourStroke	323 cc. w/Standard Gearcase	1999 - 2004	USA	0G760300 - 0T979999	NLA	N/A	N/A
9.9 FourStroke	323 cc. w/Standard Gearcase	1999 - 2004	BEL	0P075166 - 0P325499	NLA	N/A	N/A
9.9 FourStroke	323 cc. w/BigFoot Gearcase	1999 - 2004	USA	0G760300 - 0T979999	NLA	N/A	N/A
9.9 FourStroke	323 cc. w/BigFoot Gearcase	1999 - 2004	BEL	0P075166 - 0P325499	NLA	N/A	N/A
9.9 FourStroke	Standard Gearcase	2005 - 2019	JPN	0R042475 and up		N/A	N/A
9.9 FourStroke	Standard Gearcase	2005 - 2019	BEL	0P325500 and up		N/A	N/A
9.9 FourStroke	BigFoot (Manual Models)	2005 - 2019	JPN	0R052328 and up	N/A	N/A	N/A
9.9 FourStroke	BigFoot (Manual Models)	2005 - 2019	BEL	0P325500 and up	N/A	N/A	N/A
9.9 FourStroke	BigFoot (Electric Models)	2005 - 2019	JPN	0R052328 and up	N/A(3)	N/A	N/A
9.9 FourStroke	BigFoot (Electric Models)	2005 - 2019	BEL	0P325500 and up	N/A(3)	N/A	N/A
15 FourStroke	323 cc. w/Standard Gearcase	1998 - 2008	USA	0G590000 and up	NLA	N/A	N/A
15 FourStroke	323 cc. w/BigFoot Gearcase	1998 - 2008	USA	0G590000 and up	NLA	N/A	N/A
15 FourStroke	351 cc.	2008 - 2019	JPN	0R235949 - 0R833819	N/A(2)	N/A	N/A
20 FourStroke	351 cc.	2008 - 2019	JPN	0R235168 - 0R833819	N/A(2)	N/A	N/A
25 FourStroke	Carb Model w/Standard Gearcase	1998 - 2006	USA	0G590000 and up	822344A13	822573A12	N/A
25 FourStroke	Carb Model w/Standard Gearcase	1998 - 2006	BEL	9973100 and up	822344A13	822573A12	N/A
25 FourStroke	BigFoot Gearcase	1998 - 2005	USA	0G590000 - 1B226999	822344A13	822573A12	N/A
25 FourStroke	BigFoot Gearcase	1998 - 2005	BEL	9973100 - 0P400999	822344A13	822573A12	N/A
25 FourStroke	EFI Models	2006 - 2019	JPN	0R106999 and up	N/A(2)	822573A12	N/A
25 FourStroke	EFI Models	2006 - 2019	BEL	0P401000 and up	N/A(2)	822573A12	N/A

Model	Model Notes	Year Range	Country	Serial # Range	Power Trim Kit Part Number	Port Mount Analog Trim Sender	Starboard Mount Analog Trim Sender
30 FourStroke	3 cylinder. Standard Gearcase	1999 - 2001	USA	0G760300 - 0T294064	8M0055001	N/A	8M0098264
30 FourStroke	3 cylinder. Standard Gearcase	1999 - 2001	BEL	0P017000 - 0P153499	8M0055001	N/A	8M0098264
30 FourStroke	3 cylinder. Standard Gearcase	2001 - 2005	USA	0T294065 - 1B226999	8M0055002	N/A	8M0098264
30 FourStroke	3 cylinder. Standard Gearcase	2001 - 2005	BEL	0P153500 - 0P400999	8M0055002	N/A	8M0098264
30 FourStroke	EFI Models	2006 - 2019	JPN	0R106999 and up	N/A(2)	822573A12	N/A
30 FourStroke	EFI Models	2006 - 2019	BEL	0P401000 and up	N/A(2)	822573A12	N/A
40 FourStroke	3 cylinder. Standard Gearcase	1999 - 2001	USA	0G760300 - 0T294064	8M0055001	N/A	8M0098264
40 FourStroke	3 cylinder. Standard Gearcase	1999 - 2001	BEL	017000 - 0P153499	8M0055001	N/A	8M0098264
40 FourStroke	3 cylinder. BigFoot Gearcase	1999 - 2001	USA	0G760300 - 0T294064	8M0055008	N/A	8M0098264
40 FourStroke	3 cylinder. BigFoot Gearcase	1999 - 2001	BEL	0P017000 - 0P094499	8M0055008	N/A	8M0098264
40 FourStroke	3 cylinder. Standard Gearcase	2001 - 2005	USA	0T294065 - 1B226999	8M0055002	N/A	8M0098264
40 FourStroke	3 cylinder. Standard Gearcase	2001 - 2005	BEL	0P094500 - 0P400999	8M0055002	N/A	8M0098264
40 FourStroke	3 cylinder. EFI	2006	USA	1B227000 - 1B344398	8M0055003	N/A	8M0098264
40 FourStroke	3 cylinder. EFI	2006	BEL	0P401000 - 0P515896	8M0055003	N/A	8M0098264
40 FourStroke	3 cylinder. EFI	2006	CHN	1C000001 - 1C049738	8M0055003	N/A	8M0098264
40 FourStroke	3 cylinder EFI	2007 - 2019	CHN	1C049739 and up	8M0055003	N/A	8M0098264
40 FourStroke	3 cylinder. BigFoot Gearcase	2001	USA	0T294065 - 0T408999	855654A 6	N/A	8M0098264
40 FourStroke	3 cylinder. BigFoot Gearcase	2001	BEL	0P094500 - 0P153499	855654A 6	N/A	8M0098264
40 FourStroke	4 cylinder. Standard Gearcase	1995 - 1998	USA	0G231123 - 0G760299	822344A13	822573A12	N/A
40 FourStroke	4 cylinder. Standard Gearcase	1999 - 2000	BEL	0P073323 - 0P094499	8M0055001	N/A	8M0098264
40 FourStroke	4 cylinder. 996 cc. BigFoot	2001 - 2006	USA	0T178500 - 1B344306	8M0055008	N/A	8M0098264
40 FourStroke	4 cylinder. 996 cc. BigFoot	2001 - 2006	BEL	0P094500 - 0P515896	8M0055008	N/A	8M0098264
40 FourStroke	4 cylinder. 996 cc. BigFoot	2006	CHN	1C000001 - 1C050251	8M0055008	N/A	8M0098264
40 FourStroke	4 cylinder. 996 cc. BigFoot	2007 - 2019	CHN	1C050252 and up	N/A(4)	N/A	8M0098264
45 FourStroke	4 cylinder. Standard Gearcase	1995 - 1998	USA	0G231123 - 0G760299	822344A13	822573A12	N/A
45 FourStroke	4 cylinder. Standard Gearcase	1995 - 1998	BEL	9944807 - 0P016999	822344A13	822573A12	N/A
45 FourStroke	4 cylinder. Standard Gearcase	1999 - 2000	USA	0G076300 - 0T178499	822344A13	822573A12	N/A
45 FourStroke	4 cylinder. Standard Gearcase	1999 - 2000	BEL	0P017000 - 0P094499	822344A13	822573A12	N/A
45 FourStroke	4 cylinder. BigFoot Gearcase	1999 - 2000	USA	0G076300 - 0T178499	8M0055001	N/A	8M0098264
45 FourStroke	4 cylinder. BigFoot Gearcase	1999 - 2000	BEL	0P017000 - 0P094499	8M0055001	N/A	8M0098264
50 FourStroke	4 cylinder. Standard Gearcase	1995 - 1998	USA	0G231123 - 0G760299	822344A13	822573A12	N/A
50 FourStroke	4 cylinder. Standard Gearcase	1995 - 1998	BEL	9944807 - 0P016999	822344A13	822573A12	N/A
50 FourStroke	4 cylinder. Standard Gearcase	1999 - 2000	USA	0G076300 - 0T178499	8M0055001	N/A	8M0098264
50 FourStroke	4 cylinder. Standard Gearcase	1999 - 2000	BEL	0P017000 - 0P094499	8M0055001	N/A	8M0098264
50 FourStroke	4 cylinder. BigFoot Gearcase	1998 - 2000	USA	0G590000 - 0T178499	8M0055008	N/A	8M0098264
50 FourStroke	4 cylinder. 996 cc. Standard	2001 - 2006	USA	0T178500 - 1B344306	8M0055008	N/A	8M0098264
50 FourStroke	4 cylinder. 996 cc. Standard	2001 - 2006	BEL	0P094500 - 0P515896	8M0055008	N/A	8M0098264
50 FourStroke	4 cylinder. 996 cc. Standard	2006	CHN	0C000001 - 0C050251	8M0055008	N/A	8M0098264
50 FourStroke	4 cylinder. 996 cc. Standard	2007 - 2019		0C0500252 and up	N/A(4)	N/A	8M0098264
50 FourStroke	4 cylinder. 996 cc. BigFoot	2001 - 2006	USA	0T178500 - 1B344306	8M0055008	N/A	8M0098264
50 FourStroke	4 cylinder. 996 cc. BigFoot	2001 - 2006	BEL	0P094500 - 0P515896	8M0055008	N/A	8M0098264
50 FourStroke	4 cylinder. 996 cc. BigFoot	2006	CHN	1C000001 - 1C050251	8M0055008	N/A	8M0098264
50 FourStroke	4 cylinder. 996 cc. BigFoot	2007 - 2019		1C050252 and up	N/A(4)	N/A	8M0098264
60 FourStroke	4 cylinder. 996 cc. Standard	2001 - 2006		0T178500 - 1B344306	8M0055008	N/A	8M0098264
60 FourStroke	4 cylinder. 996 cc. Standard	2001 - 2019		0P094500 and up	8M0055008	N/A	8M0098264
60 FourStroke	4 cylinder. 996 cc. BigFoot	2001 - 2006	USA	0T178500 - 1B344306	8M0055008	N/A	8M0098264
60 FourStroke	4 cylinder. 996 cc. BigFoot	2001 - 2019		0P094500 and up	8M0055008	N/A	8M0098264
60 FourStroke	4 cylinder. 996 cc.	2006 - 2019	CHN	1C000001 and up	8M0055008	N/A	8M0098264

<sup>(2)</sup> Accessory trim not available for non-trim models.

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<sup>(3)</sup> Power trim is furnished standard on the "Pro-Kicker" model.

<sup>(4)</sup> All models furnished with trim as standard.

### **POWER TRIM CHART - MERCURY/MARINER 2-CYCLE**

THESE ARE NOT REPLACEMENT POWER TRIMS. These kits are add-on power trim kits designed for addition to outboard engines that were not furnished a power trim at time of manufacture.

### Two Cycle Outboard Power Trim Kit Chart

Model	Model Notes	Year Range	Country	Serial # Range	Power Trim Kit Part Number	Port Mount Trim Sender	Starboard Mount Trim Sender
6		1986 - 2003	USA	0A197112 - 0T800749		N/A	N/A
6		1986 - 2019	BEL	9461526 and up		N/A	N/A
8		1986 - 2019	USA	0A197112 and up		N/A	N/A
8		1986 - 2019	BEL	9461526 and up		N/A	N/A
9.9		1986 - 2019	USA	0A197112 and up		N/A	N/A
9.9		1986 - 2019	BEL	9461526 and up		N/A	N/A
15		1988 - 2019	USA	0B292414 and up		N/A	N/A
15		1988 - 2019	BEL	9542620 and up		N/A	N/A
20	(3)	1988 - 2003	USA	0B238464 - 0T800749	NLA	N/A	N/A
20	(3)	1988 - 2019	BEL	9507381 and up	NLA	N/A	N/A
20 JET		1994 1/2 - 2019	USA	0G044027 and up	NLA	N/A	N/A
25	(3)	1988 - 2019	USA	0B238464 and up	NLA	N/A	N/A
25	(3)	1988 - 2019	BEL	9507381 and up	NLA	N/A	N/A
30	2 cylinder (644 cc) Long shaft.(4)	1995 - 1996 1/2	USA	0G124405 - 0G380073	822344A11	822573A12	N/A
30	2 cylinder (644 cc) Long shaft.(4)	1995 - 1996 1/2	BEL	9840763 - 9928056	822344A11	822573A12	N/A
30	2 cylinder (644 cc) Long shaft.(4)	1996 1/2 - 2002	USA	0G380074 - 0T598999	822344A13	822573A12	N/A
30	2 cylinder (644 cc) Long shaft.(4)	1996 1/2 - 2002	BEL	9928059 - 0P206999	822344A13	822573A12	N/A
30 JET	4 cylinder	1993 - 1997	USA	0C159200 - 0G589999	8M0055000	N/A	N/A
30 JET	3 cylinder. Long shaft only.	1998 - 2000	USA	0G590000 - 0T178499	822344A13	822573A12	N/A
35	2 cylinder.	1984 - 1989	USA	6445653 and up	N/A(1)	N/A	N/A
35	2 cylinder.	1984 - 1989	BEL	9384476 and up	N/A(1)	N/A	N/A
35	2 cylinder.	1984 - 1989	CAN	7209608 and up	N/A(1)	N/A	N/A
40	4 cylinder w/single trim/shock cylinder.	1989 - 1992	USA	0C159200 - 0D181999	N.L.A.	N/A	N/A
40	4 cylinder w/single trim/shock cylinder.	1989 - 1992	BEL	9570790 - 9740999	N.L.A.	N/A	N/A
40	4 cylinder.	1993 - 1997	USA	0D182000 and up	8M0055000	N/A	8M0098264
40	4 cylinder.	1993 - 1997	BEL	9741000 and up	8M0055000	N/A	8M0098264
40	2 cylinder (644 cc) Long shaft.(4)	1995 - 1996 1/2	USA	0G124405 - 0G380073	822344A11	822573A12	N/A
40	2 cylinder (644 cc) Long shaft.(4)	1995 - 1996 1/2	BEL	9840763 - 9928056	822344A11	822573A12	N/A
40	2 cylinder (644 cc) Long shaft.(4)	1996 1/2 - 2019	USA	0G380074 and up	822344A13	822573A12	N/A
40	2 cylinder (644 cc) Long shaft.(4)	1996 1/2 - 2019	BEL	9928059 and up	822344A13	822573A12	N/A
40	3 cylinder 59 CID, Long shaft only.	1997 1/2 - 2019	USA	0G531301 and up	822344A13	822573A12	N/A
40	3 cylinder 59 CID, Long shaft only.	1997 1/2 - 2019	BEL	9973100 and up	822344A13	822573A12	N/A
40 JET	59 CID	2001 - 2019	USA	0T178500 and up	8M0055001	N/A	8M0098264
40 JET	59 CID	2001 - 2019	BEL	0P094500 and up	8M0055001	N/A	8M0098264
45 JET	51.8 CID	1993 - 1997	USA	0D182000 - 0G589999	8M0054999(2)	N/A	8M0098264

Model	Model Notes	Year Range	Country	Serial # Range	Power Trim Kit Part Number	Port Mount Trim Sender	Starboard Mount Trim Sender
45 JET	59 CID	1998 - 2000	USA	0D590000 - 0T178499	8M0055001	N/A	8M0098264
50	3 cylinder w/single trim/shock cylinder.	1989 - 1990	USA	0C160936 - 0D000749	N.L.A.	N/A	N/A
50	3 cylinder w/single trim/shock cylinder.	1989 - 1990	BEL	9469200 - 9683055	N.L.A.	N/A	N/A
50	3 cylinder w/single trim/shock cylinder.	1989 - 1990	CAN	0A721308 and up	N.L.A.	N/A	N/A
50	3 cylinder 51.8 CID	1991 - 1992	USA	0D000750 - 0D181999	N.L.A.	N/A	N/A
50	3 cylinder 51.8 CID	1991 - 1992	BEL	9682500 - 9733881	N.L.A.	N/A	N/A
50	3 cylinder 51.8 CID	1993 - 1997	USA	0D182000 - 0G58999	8M0054999(2)	N/A	8M0098264
50	3 cylinder 51.8 CID	1993 - 1997	BEL	9733882 - 9973099	8M0054999(2)	N/A	8M0098264
50	3 cylinder 59 CID, Long shaft only.	1998 - 2019	USA	0G590000 and up	822344A13	822573A12	N/A
50	3 cylinder 59 CID, Long shaft only.	1998 - 2019	BEL	9973100 and up	822344A13	822573A12	N/A
55	3 cylinder 51.8 CID, Electric models only.	1996 - 1997	USA	0D00750 - 0G589999	N/A	N/A	N/A
55	3 cylinder 51.8 CID, Electric models only.	1996 - 1997	BEL	9741042 - 9973099	N/A	N/A	N/A
55	3 cylinder 59 CID, Requires electric start.	1998 - 2019	USA	0G590000 and up	8M0055001	N/A	8M0098264
55	3 cylinder 59 CID, Requires electric start.	1998 - 2019	BEL	9973100 and up	8M0055001	N/A	8M0098264
60	3 cylinder w/single trim/shock cylinder.	1989 - 1990	USA	0C160936 - 0D000749	N.L.A.	N/A	N/A
60	3 cylinder w/single trim/shock cylinder.	1989 - 1990	BEL	9469200 - 9683055	N.L.A.	N/A	N/A
60	3 cylinder w/single trim/shock cylinder.	1989 - 1990	CAN	0A721308 and up	N.L.A.	N/A	N/A
60	3 cylinder.	1991 - 1992	USA	0D000750 - 0D181999	N.L.A.	N/A	N/A
60	3 cylinder.	1991 - 1992	BEL	9682500 - 9733881	N.L.A.	N/A	N/A
60	3 cylinder.	1993 - 1997	USA	0D182000 - 0G589999	8M0054999(2)	N/A	8M0098264
60	3 cylinder.	1993 - 1997	BEL	9733882 - 9973099	8M0054999(2)	N/A	8M0098264
60	3 cylinder. BigFoot Models	1998 - 2019	USA	0G590000 and up	8M0055008	N/A	8M0098264
60	3 cylinder. BigFoot Models	1998 - 2019	BEL	9973100 and up	8M0055008	N/A	8M0098264
60	3 cylinder. Non- BigFoot Models	1998 - 2019	USA	0G590000 and up	8M0055001	N/A	8M0098264
60	3 cylinder. Non- BigFoot Models	1998 - 2019	BEL	9973100 and up	8M0055001	N/A	8M0098264
70	3 cylinder.	1987 - 2019	USA	0A966142 and up	826729A10(2)	8M0098273	8M0098264
70	3 cylinder.	1987 - 2019	BEL	9502500 and up	826729A10(2)	8M0098273	8M0098264
75	4 cylinder.	1984 - 1987	USA	6428681 - 0B122929	826729A10(2)	8M0098273	8M0098264
75	4 cylinder.	1984 - 1987	BEL	9385911 - 9469199	826729A10(2)	8M0098273	8M0098264
75	4 cylinder.	1984 - 1987	CAN	7208333 - 0A721307	826729A10(2)	8M0098273	8M0098264
75	3 cylinder.	1987 - 1997 1/2	USA	0A966142 - 0G531985	826729A10(2)	8M0098273	8M0098264
75	3 cylinder.	1987 - 1997 1/2	BEL	9502500 - 9934136	826729A10(2)	8M0098273	8M0098264
75	3 cylinder w/electric start only.		USA	0G531986 and up	830250A 7 (5)	N/A	8M0098264
75	3 cylinder w/electric start only.	1997 1/2 - 2019	BEL	9934137 and up	830250A 7 (5)	N/A	8M0098264

Model	Model Notes	Year Range	Country	Serial # Range	Power Trim Kit Part Number	Port Mount Trim Sender	Starboard Mount Trim Sender
80	3 cylinder.	1987 - 2019	USA	0A966142 and up	826729A10(2)	8M0098273	8M0098264
80	3 cylinder.	1987 - 2019	BEL	9502500 and up	826729A10(2)	8M0098273	8M0098264
90	3 cylinder.	1987 - 1997 1/2	USA	0A966142 - 0G531985	826729A10(2)	8M0098273	8M0098264
90	3 cylinder.	1987 - 1997 1/2	BEL	9502500 - 9934136	826729A10(2)	8M0098273	8M0098264
90	3 cylinder w/electric start only.	1997 1/2 - 2019	USA	0G531986 and up	830250A 7 (5)	N/A	8M0098264
90	3 cylinder w/electric start only.	1997 1/2 - 2019	BEL	9934137 and up	830250A 7 (5)	N/A	8M0098264

- (1) Power trim can not be added to a non-trim 35 EL model due to the transom bracket used in manufacture. Power trim was available as a factory supplied option.
- (2) Installation on a tiller handle model requires the addition of a Power Trim Switch kit found in this section or in Electrical Accessories.
- (3) May back fit to 1984 if the 5 tilt pin position clamp brackets are in use.
- (4) Non-Sea Pro/Marathon only.
- (5) Available at Seaway Marine 206-937-7373 (USA) or seawaymarine.com

### TRIM LIMIT KITS

Used to limit tilt or trim-up travel on V-6 outboard power trim applications.

### TRIM LIMIT SWITCH KIT



### 87-887979A 2

Kit includes a mercury switch to limit power trim travel and a new, shorter tilt bracket. Switch harness utilizes bullet connectors.

Plugs into the harness for trim relay control on the 3.0L OptiMax (Model Year 2003 & newer).

### TRIM LIMIT SWITCH KIT



#### 87-814407A 3

Kit includes a mercury switch to limit power trim travel and a new, shorter tilt bracket.

Fits all Mercury/Mariner V-6 outboard applications which use engine mounted power trim solenoids.

### TRIM REDUCER KIT



#### 858915A 1

Kit includes a series of spacers to be installed in the trim cylinder. Fits V-6 outboard applications (USA 0D082000 and Newer) and the 4 cylinder 135/150/175/200 hp. Verado outboard.

### TRAILERING TILT SUPPORT BRACKETS

Locks motor in a tilted position.

### TRAILERING TILT LOCK KIT



### 830578A 1

Locks motor in a fully tilted position.

Fits Mercury/Mariner 6 - 15 hp. 2 cycle and 9.9 hp. FourStroke (1995 thru 1998). See application chart for specific engine models.

### TRAILERING TILT LOCK KIT



#### 819504A 2

Positions engine at half tilt for trailering.

Fits Force 90-150 hp. 2 cycle models with or without power trim, 1994 and prior (0E093699 and prior).

### **TILT SUPPORT BRACKET KIT**



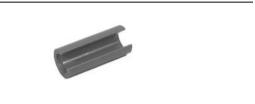
#### 8M0072610

This shorter bracket will support the engine in a reduced trim up position when tilt is limited. Prevents engine from trim bleed down. Recommended for use with the trim limit control 8M0059532.

Fits the F150 EFI FourStroke outboard, serial number 1B905505 and above.

### TRAILERING CLIP

### TRAILERING CLIP



#### 833006A 1

Clips over center trim ram in extended position. Locks motor in a tilted position. Fits Mercury/Mariner V-6 engines with Design II (3 ram) power trim systems and the 135/150/175 hp. Verado outboard.

### TRAILERING CLIPS CHART - MERCURY/MARINER/FORCE

### Mercury/Mariner/Force Trailering Clips

Model	Model Notes	Brand	Year Range	Country	Serial # Range	Trailering Clips
V-6	With Design II (3 ram) Power Trims	Mercury/Mariner	1986 - 2019	USA	0A904646 and up	833006A 1
40	1992C Models and Newer.	Force	1992 - 1994	USA	0E000001 - 0E093699	N.L.A.
50	1991B, 1992C Models and Newer.	Force	1991 - 1994	USA	0E000001 - 0E093699	N.L.A.
70	1991B, 1992C Models and Newer.	Force	1991 - 1995	USA	0E000001 - 0E138599	N.L.A.
75		Force	1996 - 2019	USA	0E138600 and up	N.L.A.
L Drives		Force	1990 - 1992	USA	0E000001 and up	N.L.A.

### **BATTERY CABLE KIT**

Longer than standard, consists of two, 12 ft. (3.66 m) battery cables.

### **BATTERY CABLE KIT**



### 84-88439A50

Pair of 12 ft.(3.7 m) cables, 1 red (+) Positive and 1 black (-) Negative, 4 gauge with ring terminals. This is an optional accessory kit and may not reflect the original cables on your engine. For original manufactured service part replacement, the Electronic Parts Catalog should always be used for each specific engine. For alternate length cables, consult the approriate service manual.

Fits Mercury/Mariner outboard engines.

#### **BATTERY CABLE-POS**



### 84-88439A25

Single 12 ft. positive cable. 4 Gauge with ring terminals.

### **BATTERY CABLE-NEG**



#### 84-88439A26

Single 12 ft. negative cable. 4 Gague with ring terminals

#### **BATTERY CABLE KIT**



### 84-8M0133542

2 cables in the kit (one red, one black),12 feet long, 2 AWG, 5/16" ring terminal engine side and 3/8" ring terminal battery side When the application demands 2 gauge wire size.

### **POSITIVE BATTERY CABLE**



#### 84-8M0136941

1 cable in the kit (red),12 feet long, 2 AWG, 5/16" ring terminal engine side and 3/8" ring terminal battery side

When the application demands 2AWG wire size

### **NEGATIVE BATTERY CABLE**



#### 84-8M0136942

1 cable in the kit (black),12 feet long, 2 AWG, 5/16" ring terminal engine side and 3/8" ring terminal battery side

When the application demands 2AWG wire size

### **HEAVY DUTY BATTERY CABLES**



#### 84-61378A 2

For use with Mercury/Mariner V-6 Outboards

### **ELECTRIC START KIT**

Converts a manual start engine to an electric start. Additional buttons, harnesses or key switches may be required to complete conversion. See application chart.

### **ELECTRIC START KIT**



#### 50-90983A 5

Includes alternator kit. Also requires a tiller handle harness & start button or remote control harness assembly.

Fits various Mercury/Mariner 6-25 hp. 2 cycle outboards. See application chart for specific engine models.

### **ELECTRIC START KIT**



### 50-822462A 1

Includes 15 AMP alternator and regulator/rectifier. Also requires a tiller handle harness & start button or remote control harness/enrichner kit.

Fits Mercury/Mariner 30/40 hp. (2 cyl.) 2 cycle outboards (1994-1997). See application chart for specific engine models.

#### **ELECTRIC START KIT**



### 50-822462A 2

Includes 15 AMP alternator and regulator/rectifier.

Fits Mercury/Mariner 55/60 hp. 2 cycle outboards (1998 and Newer). See application chart for specific engine models.

### **ELECTRIC START KIT**



#### 50-822462A 4

Includes 15 AMP alternator and regulator/rectifier. Tiller handle versions also require use of a transom mounted ignition/choke/horn assembly.

Fits Mercury/Mariner 30/40 hp. (2 cyl.) 2 cycle outboards (1998 and Newer). See application chart for specific engine models.

### **ELECTRIC START KIT**



#### 50-822462A06

Includes 15 AMP alternator and regulator/rectifier. Tiller handle versions also require use of a transom mounted ignition/choke/horn assembly.

Fits Mercury/Mariner 40 hp. (3 cyl. 1997 1/2 and Newer) and 50 hp. (3 cyl. 1998 and Newer). See application chart for specific engine models.

### **ELECTRIC START KIT**



### 50-856555A 1

Also requires a tiller handle harness & start button or remote control harness assembly.

Fits Mercury/Mariner 8 hp. FourStroke (MY 2001-2004), 9.9 hp. FourStroke (MY 1999-2004) and 15 hp. (323cc) FourStroke outboards.

### **ELECTRIC START CONVERSION KIT**



#### 8M0069693

Includes the components necessary to convert a manual start tiller handle outboard to an electric start tiller handle outboard.

Fits the 8/9.9 hp. FourStroke, Model Year 2005 and newer, both standard and BigFoot models.

### **ELECTRIC START CONVERSION KIT**



#### 50-8M0071380

Converts an MH (manual start tiller) to an EH (electric start tiller).

Fits the 15 hp. FourStroke (351cc) outboard, serial number 0R235949 - 0R833819 and the 20 hp. FourStroke (351cc) outboard, serial number 0R235168 - 0R833819

#### **ELECTRIC START KIT**

Image not Available.

#### 8M0137846

15/20 EFI FourStroke outboard, 0R833820 and above. Quicksilver Branded

### **ELECTRIC START CONVERSION KIT**



### 50-899783A01

Converts an MH (manual start tiller) to an EH (electric start tiller) model. 25-30 Hp EFI FourStroke outboard, serial number 0R106999 & above.

### **TILLER HANDLE HARNESS BUTTON**

Mounted to the tiller handle of an engine being converted to electric start, this button will activate the solenoid for the starter motor.

### **TILLER HANDLE HARNESS BUTTON**



#### 87-95810A 8

Fits various Mercury/Mariner 6-25 hp. 2 cycle tiller handle shift outboards. See application chart for specific engine models.

#### **TILLER HANDLE HARNESS BUTTON**



#### 87-856556A 2

Fits Mercury/Mariner 9.9 hp. FourStroke (USA 0G760300-0T979999), 8 hp. FourStroke outboards (BEL 0P086824-0P325499) and 15 hp., 323cc. FourStroke (US 0G590000-1B727495) outboards.

### **TILLER HANDLE HARNESS BUTTON**



### 87-823609A 7

Can also be used when converting electric remote to a tiller handle.

Fits Mercury/Mariner 6-15 hp. 2 cycle outboards (1994 and Newer) and Mercury / Mariner 20/25 hp. 2 cycle outboards (USA 0G044027 and Newer, BEL 9807909 and Newer).

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### **COWL MOUNTED BUTTON**

Mounted to the cowl of an engine being converted to electric start, this button will activate the solenoid for the starter motor.

### **COWL MOUNTED BUTTON**



#### 87-825294A 2

Fits Mercury / Mariner 30/40 hp. (2 cyl.) 2 cycle outboards (USA 0G055314-0G589999, BEL 9854537-9928480).

### REMOTE CONTROL ENGINE HARNESS

Used along with an electric start conversion kit, this harness will allow hook up to a remote control.

#### REMOTE CONTROL ENGINE HARNESS



#### 84-12334A 2

Fits various Mercury/Mariner 6-15 hp.2 cycle outboards. See application chart for specific engine models.

### **REMOTE CONTROL ENGINE HARNESS**



### 84-856554A 1

Fits Mercury/Mariner 8 hp. 4-Stroke (2001-2004), 9.9 hp. 4-Stroke (1999-2004) and 15 hp. 4-Stroke (1998-2007, 323cc). See application chart for specific engine model serial numbers.

#### REMOTE CONTROL ENGINE HARNESS



#### 95723A 4

Fits various Mercury/Mariner 15-25 hp. 2 cycle outboards. See application chart for specific engine models.

### **REMOTE CONTROL ENGINE HARNESS**



#### 84-824477A 3

Harness includes an enrichner kit. Fits Mercury/Mariner 30/40 hp. (2 cyl.) 2 cycle outboards (USA 0G055314-0G589999, BEL 9854537-9928480).

### TRANSOM MOUNTED IGNITION KEYSWITCH

A transom mounted keyswitch allowing for activation of the starter solenoid, a choke or enrichner valve.

#### TRANSOM MOUNTED IGNITION KEYSWITCH



### 15000A 7

Includes a push-to-choke function and a warning horn. Has a 6 ft. (182 cm) cable length. Has an 8 pin engine connector.

Fits many varying outboards and applications through Model Year 2005 where a keyswitch with warning horn and choke (enrichner) function is desired. Outboards require a remote control engine harness be used in conjunction with this switch in order for it to function. Warning horn feature is not present on all model outboards.

### TRANSOM MOUNTED IGNITION KEYSWITCH



#### 15000A14

Includes a push-to-choke function and a warning horn. Has a 6 ft. (182 cm) cable length. Has the 14 pin engine connector.

Fits many varying outboards and applications beginning in Model Year 2006 where a keyswitch with warning horn and choke (enrichner) function is desired. Outboards require a remote control engine harness be used in conjunction with this switch in order for it to function. Warning horn feature is not present on all model outboards.

#### TRANSOM MOUNTED IGNITION KEYSWITCH



#### 47974A10

Has key start and choke functions but no warning horn circuit. Cable length is 5 ft. (152 cm).

Fits the 30/40 hp. 2 cycle outboards of Japanese origin that do not have oil injection.

### **NEUTRAL INTERLOCK**

Used when adding an electric start conversion kit or adding a tiller handle to an electric model, this interlock insures start-in-gear protection.

### **NEUTRAL INTERLOCK**



#### 87-813960A 4

Fits Mercury/Mariner 30/40 hp. (2 cyl.) 2 cycle outboards (USA 0G590000 and Newer, BEL 9973100 and Newer).

# **ELECTRIC START KITS CHART - MERCURY/MARINER**

### Mercury/Mariner Electric Start Kits

Model	Brand	Model Notes	Year Range	Country	Serial # Range	Electric Start Kit	Start Button Or Keyswitch	Optional Remote Control Engine Harness
6	Mercury/Mariner	With tiller handle shift	1986 - 1993	USA	0A197112 - 0D280999	50- <b>90983A</b> 5	87- 95810A 8	84- 12334A 2(1)
6	Mercury/Mariner	With tiller handle shift	1986 - 1993	BEL	9461526 - 9792199	50- <b>90983A</b> 5	87- 95810A 8	84- 12334A 2(1)
6	Mariner	With side shift	1986 - 1993	USA	0A197112 - 0D280999	50- <b>90983A</b> 5	N.L.A.	84- 12334A 2(1)
6	Mariner	With side shift	1986 - 1993	BEL	9461526 - 9792199	50- <b>90983A</b> 5	N.L.A.	84- 12334A 2(1)
6	Mercury/Mariner		1994 - 2003	USA	0D281000 - 0T800749	50- <b>90983A</b> 5	87- <b>823609A</b> 7	84- 12334A 2(1)
6	Mercury/Mariner		1994 - 2019	BEL	9792200 and up	50- <b>90983A</b> 5	87-823609A 7	84- 12334A 2(1)
8	Mercury/Mariner	With tiller handle shift	1986 - 1993	USA	0A197112 - 0D280999	50- <b>90983A</b> 5	87- <b>95810A 8</b>	84- 12334A 2(1)
8	Mercury/Mariner	With tiller handle shift	1986 - 1993	BEL	9461526 - 9792199	50- <b>90983A</b> 5	87- <b>95810A</b> 8	84- 12334A 2(1)
8	Mariner	With side shift	1986 - 1993	USA	0A197112 - 0D280999	50- <b>90983A</b> 5	N.L.A.	84- 12334A 2(1)
8	Mariner	With side shift	1986 - 1993	BEL	9461526 - 9792199	50- <b>90983A</b> 5	N.L.A.	84- 12334A 2(1)
8	Mercury/Mariner		1994 - 2019	USA	0D281000 and up	50- <b>90983A</b> 5	87- <b>823609A</b> 7	84- 12334A 2(1)
8	Mercury/Mariner		1994 - 2019	BEL	9792200 and up	50- <b>90983A</b> 5	87- <b>823609A</b> 7	84- 12334A 2(1)
8 FourStroke	Mercury/Mariner		1995 - 1998	USA	0H000058 - 0H017099	N.L.A.	N.L.A.	N.L.A.(1)
8 FourStroke	Mercury/Mariner		1999	USA	0H017100 - 0H017349	N.L.A.	N.L.A.	N.L.A.(1)
8 FourStroke	Mercury/Mariner		1999 - 2000	USA	0G760300 - 0T178499	N.L.A.	N.L.A.	N.L.A.(1)
8 FourStroke	Mercury/Mariner	323 cc.	2001 - 2004	BEL	0P086824 - 0P325499	50-856555A 1	87-856556A 2	84-856554A 1(1)
8 FourStroke	Mercury/Mariner	Manual Tiller Model	2005 - 2019	JPN	0R042475 and up	8M0069693	N/A	N/A
8 FourStroke	Mercury/Mariner	Manual Tiller Model	2005 - 2019	BEL	0P325500 and up	8M0069693	N/A	N/A

19	Model	Brand	Model Notes	Year Range	Country	Serial # Range	Electric Start Kit	Start Button Or Keyswitch	Optional Remote Control Engine Harness
23   Merree	9.9	Mercury/Mariner	With tiller handle shift	1986 - 1993	USA	0A197112 - 0D280999	50- <b>90983A</b> 5	87- 95810A 8	84- <b>12334A 2(1)</b>
199	9.9	Mercury/Mariner	With tiller handle shift	1986 - 1993	BEL	9461526 - 9792199	50- 90983A 5	87- 95810A 8	84- 12334A 2(1)
Second	9.9	Mariner	With side shift	1986 - 1993	USA	0A197112 - 0D280999	50- 90983A 5	N.L.A.	84- 12334A 2(1)
29   Mercury/Mariner   1994 - 2019   EEL   9782200 and up   59.0683	9.9	Mariner	With side shift	1986 - 1993	BEL	9461526 - 9792199	50- 90983A 5	N.L.A.	84- 12334A 2(1)
9.9 FourStoke 9.	9.9	Mercury/Mariner		1994 - 2019	USA	0D281000 and up	50- 90983A 5	87-823609A 7	84- 12334A 2(1)
9.9 FourStroke 9.9 Fo	9.9	Mercury/Mariner		1994 - 2019	BEL	9792200 and up	50- 90983A 5	87-823609A 7	84- 12334A 2(1)
9.9 FourStooks MercuryMarriers 22 ac. 1999 - 2004 BEL (PO75166 - PP325499 © 386555A 1 87-86556A 2 68-8555A 1(1)) 9.9 FourStooks MercuryMarrier Manual Tiller Model 2005 - 2019 BEL (PO75166 - P932500 and up 59-9083A 5 87-85810A 8 04-12334A 2(1)) 15 Mariere With life hande shift 186-1993 USA (PO75166 - P932599 97-9083A 5 87-85810A 8 04-12334A 2(1)) 15 Mariere With side shift 186-1993 USA (PO75166 - P932599 97-9083A 5 87-85810A 8 04-12334A 2(1)) 15 Mariere With side shift 186-1993 USA (PO75166 - P932599 97-9083A 5 87-85810A 8 04-12334A 2(1)) 15 Mariere With side shift 198-1993 USA (PO75166 - P932599 97-9083A 5 87-85810A 8 04-12334A 2(1)) 15 Mariere With side shift 198-1993 USA (PO75166 - P932599 97-9083A 5 87-85810A 8 04-12334A 2(1)) 15 MarcuryMarrier 1994 - 2019 USA (PO75160 - P932599 97-9083A 5 87-82369A 7 04-12334A 2(1)) 15 MarcuryMarrier Sea Pro and Marathon 1984 12- USA (PO76160 and up 97-9083A 5 87-82369A 7 04-12334A 2(1)) 15 MarcuryMarrier Sea Pro and Marathon 1984 12- USA (PO76160 and up 97-9083A 5 87-82369A 7 04-12334A 2(1)) 15 FourShook MercuryMarrier 32 ac. 1999 - 2008 USA (PO76100 and up 97-9083A 5 87-82369A 7 04-12334A 2(1)) 15 FourShook MercuryMarrier 32 ac. 1999 - 2008 USA (PO76100 and up 97-9083A 5 87-82369A 7 04-12334A 2(1)) 15 FourShook MercuryMarrier 32 ac. 1999 - 2008 USA (PO76100 and up 97-9083A 5 87-82369A 7 05-12369A 7 05-12364 (1)) 15 FourShook MercuryMarrier 32 ac. 1999 - 2008 USA (PO76100 and up 97-9083A 5 87-82369A 7 05-12369A 7 05-1236A 7 05-12	9.9 FourStroke	Mercury/Mariner	232 cc.	1995 - 1998	USA	0H000058 - 0H016909	N.L.A.	N.L.A.	N.L.A.(1)
9.9 FourStroke 9.9 Mecruy/Metrier 9.1 Hier handle shift 1886 - 1983 185 9.8 Mecruy/Metrier 1964 - 2019 195 195 195 195 195 195 195 195 195 1	9.9 FourStroke	Mercury/Mariner	323 cc.	1999 - 2004	USA	0G760300 - 0T979999	50-856555A 1	87-856556A 2	84-856554A 1(1)
9.9 FourStroke MercuryNaturiner Manual Titler Model 2005 - 2019 BEL 0P325500 and up 8M0089893 N/A N/A N/A N/A 15 MercuryNaturiner With littler handle shift 1966 - 1993 USA 0x197112 - 0.02295999 50 908834, 5 \$7 98910.4 8 \$1 123344.2(1)   15 Mariner With side shift 1966 - 1993 USA 0x197112 - 0.0229599 50 908834, 5 N/L A 84 123344.2(1)   15 Mariner With side shift 1966 - 1993 BEL 941502 - 997219 50 908834, 5 N/L A 84 123344.2(1)   15 MercuryNaturiner 1994 - 2019 USA 0x29100 and up 50 908834, 5 N/L A 84 123344.2(1)   15 MercuryNaturiner 1994 - 2019 USA 0x29100 and up 50 908834, 5 N/L A 84 123344.2(1)   15 MercuryNaturiner Sea Pro and Marathon 1944 12 USA 0x29100 and up 50 908834, 5 N/L A 84 123344.2(1)   15 MercuryNaturiner Sea Pro and Marathon 1944 12 USA 0x29100 and up 50 908834, 5 \$7 8230084, 7 \$9 5723.4(1)   15 FourStroke MercuryNaturiner 32 acc. 1998 USA 0x2900 and up 50 908834, 5 \$7 8230084, 7 \$9 5723.4(1)   15 FourStroke MercuryNaturiner 32 acc. 1999 USA 0x2900 and up 50 908834, 5 \$7 8230084, 7 \$9 5723.4(1)   15 FourStroke MercuryNaturiner 32 acc. 1999 USA 0x2900 and up 50 908834, 5 \$7 8230084, 7 \$9 5723.4(1)   15 FourStroke MercuryNaturiner 32 acc. 1999 USA 0x2900 and up 50 908834, 5 \$7 8230084, 7 \$9 5723.4(1)   15 FourStroke MercuryNaturiner 32 acc. 1999 USA 0x2900 and up 50 908834, 5 \$7 8230084, 7 \$9 5723.4(1)   15 ETFICURITY NATURINER STROKE MercuryNaturiner 30 toc. 2006 2019 JPN 0x2939 and up 50 908834, 5 \$7 8230084, 7 \$9 5723.4(1)   15 ETFICURITY NATURINER STROKE MercuryNaturiner 10 1994 USA 0x4939 and up 50 908834, 5 \$7 988104, 8 \$9 5723.4(1)   15 ETFICURITY NATURINER STROKE Mercury With litler handle shift 1966 1994 USA 0x49373 and up 50 908834, 5 \$7 988104, 8 \$9 5723.4(1)   20 Mercury With litler handle shift 1966 1994 USA 0x49373 and up 50 908834, 5 \$7 988104, 8 \$9 5723.4(1)   20 MercuryNaturiner 10 1964 1924 USA 0x49373 and up 50 908834, 5 \$7 8230084, 7 \$9 5723.4(1)   20 MercuryNaturiner 10 1964 1924 USA 0x49373 and up 50 908834, 5 \$7 8230084, 7 \$9 5723.4(1)   20 MercuryNaturiner 10 1964 1924 USA	9.9 FourStroke	Mercury/Mariner	323 cc.	1999 - 2004	BEL	0P075166 - 0P325499	50-856555A 1	87-856556A 2	84-856554A 1(1)
15   Mercury/Mariner   With Siler handle shift   1986 - 1993   USA   0.4197112 - 0.02801999   50 - 90883.5   57 - 98810.8   81 - 123344 2(1)	9.9 FourStroke	Mercury/Mariner	Manual Tiller Model	2005 - 2019	JPN	0R042475 and up	8M0069693	N/A	N/A
15   MercuryMariner   With side shift   1986 - 1993   SEL   9461526 - 9792199   50 90833 5   67 958104 8   54 12344 2(1)	9.9 FourStroke	Mercury/Mariner	Manual Tiller Model	2005 - 2019	BEL	0P325500 and up	8M0069693	N/A	N/A
15   Marriner   With side shift   1986 - 1993   USA   0x197112 - 0x290999   50 - 90833 A 5   N.L.A.   84 - 1234A 2(1)	15	Mercury/Mariner	With tiller handle shift	1986 - 1993	USA	0A197112 - 0D280999	50- 90983A 5	87- 95810A 8	84- <b>12334A 2(1)</b>
15   Marriner	15	Mercury/Mariner	With tiller handle shift	1986 - 1993	BEL	9461526 - 9792199	50- 90983A 5	87- 95810A 8	84- 12334A 2(1)
15   Mercury Mariner	15	Mariner	With side shift	1986 - 1993	USA	0A197112 - 0D280999	50- <b>90983A</b> 5	N.L.A.	84- 12334A 2(1)
15   Mercury/Mariner   1994 - 2019   BEL   9792200 and up   50 90883A 5   67 823609A 7   81-12334A 2(1)	15	Mariner	With side shift	1986 - 1993	BEL	9461526 - 9792199	50- <b>90983A</b> 5	N.L.A.	84- <b>12334A</b> 2(1)
15   Mercury/Mariner   Sea Pro and Marathon   1994 12 - 2019   DSA   00044027 and up   50 90983A 5   87 823609A 7   95723A 4(1)	15	Mercury/Mariner		1994 - 2019	USA	0D281000 and up	50- 90983A 5	87-823609A 7	84- <b>12334A 2(1)</b>
15	15	Mercury/Mariner		1994 - 2019	BEL	9792200 and up	50- <b>90983A</b> 5	87-823609A 7	84- <b>12334A 2(1)</b>
15 FourStroke   Mercury/Mariner   323 cc.   1998   USA   0.6590000 - 0.6760299   50.8565555.1   N.L.A.   \$4.856554.1 (1)     15 FourStroke   Mercury/Mariner   323 cc.   1999 - 2008   USA   0.6760300 and up   50.856555.1   N.L.A.   N.A   N.A   N.A     15 EFI FourStroke   Mercury/Mariner   351 cc.   2008 - 2019   JPN   0.6235949 - 0.6833819   50.8M0071380   N.A   N.A   N.A     15 EFI FourStroke   Mercury/Mariner   2017 - 2019   JPN   0.6833820 and up   8.M0137846   N.A   N.A   N.A   N.A     15 Mariner   Early Japanese   Early Japanese   USA   6.443973 and up   50.90983A 5   87.95810A 8   95723A 4(1)     18XD   Mercury   1984 - 1985   USA   6.443973 and up   50.90983A 5   87.95810A 8   95723A 4(1)     18XD   Mercury   With tiller handle shift   1986 - 1994   USA   6.443973 and up   50.90983A 5   87.95810A 8   95723A 4(1)     20   Mercury   With tiller handle shift   1986 - 1994   USA   6.443973 and up   50.90983A 5   87.95810A 8   95723A 4(1)     20   Mercury   With tiller handle shift   1986 - 1994   USA   6.443973 and up   50.90983A 5   87.95810A 8   95723A 4(1)     20   Mercury   With tiller handle shift   1986 - 1994   USA   6.443973 and up   50.90983A 5   87.95810A 8   95723A 4(1)     20   Mercury   With tiller handle shift   1986 - 1994   USA   6.443973 and up   50.90983A 5   87.95810A 8   95723A 4(1)     20   Mariner   With side shift   1986 - 1994   USA   6.443973 and up   50.90983A 5   87.95810A 8   95723A 4(1)     20   Mariner   With side shift   1986 - 1994   USA   6.443973 and up   50.90983A 5   N.L.A.(5)   95723A 4(1)     20   Mercury/Mariner   1994 1/2   USA   6.443973 and up   50.90983A 5   N.L.A.(5)   95723A 4(1)     20   Mercury/Mariner   1994 1/2   USA   6.443973 and up   50.90983A 5   87.823609A 7   95723A 4(1)     20   Mercury/Mariner   1994 1/2   USA   6.443973 and up   50.90983A 5   87.823609A 7   95723A 4(1)     20   Mercury/Mariner   1994 1/2   USA   6.443973 and up   50.90983A 5   87.823609A 7   95723A 4(1)     20   Mercury/Mariner   1994 1/2   USA   6.443973 and up   50.90983A 5   87.95	15	Mercury/Mariner	Sea Pro and Marathon		USA	0G044027 and up	50- <b>90983A</b> 5	87-823609A 7	95723A 4(1)
15 FourStroke   Mercury/Mariner   323 cc.   1999 - 2008   USA   0G760300 and up   50-866555A 1   87-866556A 2   84-86655A 1 (1)	15	Mercury/Mariner	Sea Pro and Marathon		BEL	9807909 and up	50- <b>90983A</b> 5	87-823609A 7	95723A 4(1)
15 FourStroke Mercury/Mariner 351 cc. 2008 - 2019 JPN 0R23949 - 0R833819 50 - 8M0071380 N/A N/A N/A N/A 15 EFI FourStroke Mercury/Mariner 2017 - 2019 JPN 0R833820 and up 8M0137846 N/A N/A N/A N/A N/A 18XD Mercury 1984 - 1985 USA 6443973 and up 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 18XD Mercury 1984 - 1985 DEL 9378151 - 941500 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 18XD Mercury 1984 - 1985 CAN 7209533 and up 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 18XD Mercury With tiller handle shift 1986 - 1994 USA 6443973 - 0G044026 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 122 0 Mercury With tiller handle shift 1986 - 1994 DEL 9415101 - 9807908 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 122 0 Mariner With side shift 1986 - 1994 USA 6443973 - 0G044026 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 122 0 Mariner With side shift 1986 - 1994 USA 6443973 - 0G044026 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 122 0 Mariner With side shift 1986 - 1994 USA 6443973 - 0G044026 50 - 90983A 5 N.L.A.(5) 95723A 4(1) 122 0 Mariner With side shift 1986 - 1994 USA 6443973 - 0G044026 50 - 90983A 5 N.L.A.(5) 95723A 4(1) 122 0 Mariner With side shift 1986 - 1994 USA 6443973 - 0G044026 50 - 90983A 5 N.L.A.(5) 95723A 4(1) 122 0 Mariner With side shift 1986 - 1994 USA 6443973 - 0G044026 50 - 90983A 5 N.L.A.(5) 95723A 4(1) 122 0 Mariner With side shift 1986 - 1994 USA 6443973 - 0G044027 - 0T800749 50 - 90983A 5 N.L.A.(5) 95723A 4(1) 122 0 Mercury/Mariner 1994 1/2 - BEL 9807909 and up 50 - 90983A 5 87 - 823609A 7 95723A 4(1) 122 0 USA 0G044027 - 0T800749 50 - 90983A 5 87 - 823609A 7 95723A 4(1) 122 0 USA 0G044027 - 0T800749 50 - 90983A 5 87 - 823609A 7 95723A 4(1) 122 0 USA 0G044027 - 0T800749 50 - 90983A 5 87 - 823609A 7 95723A 4(1) 122 0 USA 0G044027 - 0T800749 50 - 90983A 5 87 - 823609A 7 95723A 4(1) 122 0 USA 0G044027 - 0T800749 50 - 90983A 5 87 - 823609A 7 95723A 4(1) 122 0 USA 0G044027 - 0T800749 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 122 0 USA 0G044027 - 0T800749 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 122 0 USA 0G044027 - 0T800749 50 - 90983A 5 87 - 958	15 FourStroke	Mercury/Mariner	323 cc.	1998	USA	0G590000 - 0G760299	50-856555A 1	N.L.A.	84-856554A 1(1)
15 EFI FourStroke Mercury/Mariner	15 FourStroke	Mercury/Mariner	323 cc.	1999 - 2008	USA	0G760300 and up	50-856555A 1	87-856556A 2	84-856554A 1(1)
15   Mariner   Early Japanese   684 Series and up   N.L.A.   N/A   N/A   N/A     18XD   Mercury   1984 - 1985   USA   6443973 and up   50 -90983A 5   87 -95810A 8   95723A 4(1)     18XD   Mercury   1984 - 1985   BEL   9378151 - 9415100   50 -90983A 5   87 -95810A 8   95723A 4(1)     18XD   Mercury   With tiller handle shift   1986 - 1994   USA   6443973 - 0G044026   50 -90983A 5   87 -95810A 8   95723A 4(1)     20   Mercury   With tiller handle shift   1986 - 1994   USA   6443973 - 0G044026   50 -90983A 5   87 -95810A 8   95723A 4(1)     20   Mercury   With tiller handle shift   1986 - 1994   CAN   7209533 and up   50 -90983A 5   87 -95810A 8   95723A 4(1)     20   Mariner   With side shift   1986 - 1994   USA   6443973 - 0G044026   50 -90983A 5   87 -95810A 8   95723A 4(1)     20   Mariner   With side shift   1986 - 1994   USA   6443973 - 0G044026   50 -90983A 5   N.L.A.(5)   95723A 4(1)     20   Mariner   With side shift   1986 - 1994   USA   6443973 - 0G044026   50 -90983A 5   N.L.A.(5)   95723A 4(1)     20   Mariner   With side shift   1986 - 1994   CAN   7209533 and up   50 -90983A 5   N.L.A.(5)   95723A 4(1)     20   Mercury/Mariner   1994 1/2 - USA   0G044027 - 0T800749   50 -90983A 5   N.L.A.(5)   95723A 4(1)     20   Mercury/Mariner   1994 1/2 - USA   0G044027 - 0T800749   50 -90983A 5   87 -823609A 7   95723A 4(1)     20   Mercury/Mariner   1994 1/2 - USA   0G044027 - 0T800749   50 -90983A 5   87 -823609A 7   95723A 4(1)     20   Four-Stroke   Mercury/Mariner   1994 1/2 - USA   0G044027 - 0T800749   50 -90983A 5   87 -823609A 7   95723A 4(1)     20   Four-Stroke   Mercury/Mariner   1994 1/2 - USA   0R333320 and up   800137846   N/A   N/A     25 - 25XD   Mercury   With tiller handle shift   1984 - 1994   USA   6443973 - 0G044026   50 -90983A 5   87 - 95810A 8   95723A 4(1)     25 - 25XD   Mercury   With tiller handle shift   1984 - 1994   USA   6443973 - 0G044026   50 -90983A 5   87 - 95810A 8   95723A 4(1)	15 FourStroke	Mercury/Mariner	351 cc.	2008 - 2019	JPN	0R235949 - 0R833819	50-8M0071380	N/A	N/A
18XD         Mercury         1984 - 1985         USA         6443973 and up         50 90983A 5         87 - 95810A 8         95723A 4(1)           18XD         Mercury         1984 - 1985         BEL         9378151 - 9415100         50 90983A 5         87 - 95810A 8         95723A 4(1)           18XD         Mercury         With tiller handle shift         1986 - 1994         USA         6443973 - 05044026         50 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mercury         With tiller handle shift         1986 - 1994         USA         6443973 - 05044026         50 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mercury         With tiller handle shift         1986 - 1994         USA         6443973 - 05044026         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mercury         With side shift         1986 - 1994         CAN         7209533 and up         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mariner         With side shift         1986 - 1994         USA         6443973 - 05044026         50 - 90983A 5         NLA(5)         95723A 4(1)           20         Mariner         With side shift         1986 - 1994         BEL         9415101 - 9807908 <td< td=""><td>15 EFI FourStroke</td><td>Mercury/Mariner</td><td></td><td>2017 - 2019</td><td>JPN</td><td>0R833820 and up</td><td>8M0137846</td><td>N/A</td><td>N/A</td></td<>	15 EFI FourStroke	Mercury/Mariner		2017 - 2019	JPN	0R833820 and up	8M0137846	N/A	N/A
18XD         Mercury         1984 - 1985         BEL         9378151 - 9415100         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           18XD         Mercury         With tiller handle shift         1984 - 1994         USA         6443973 - 0G044026         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mercury         With tiller handle shift         1986 - 1994         BEL         9415101 - 9807908         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mercury         With tiller handle shift         1986 - 1994         CAN         7209533 and up         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mercury         With side shift         1986 - 1994         CAN         7209533 and up         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mariner         With side shift         1986 - 1994         USA         6443973 - 0G044026         50 - 90983A 5         N.L.A.(5)         95723A 4(1)           20         Mariner         With side shift         1986 - 1994         DEL         9415101 - 9807908         50 - 90983A 5         N.L.A.(6)         95723A 4(1)           20         Mercury/Mariner         With side shift         1986 - 1994         CAN	15	Mariner	Early Japanese			684 Series and up	N.L.A.	N/A	N/A
18XD         Mercury         1984 - 1985         CAN         7209533 and up         50 90983A 5         87 95810A 8         95723A 4(1)           20         Mercury         With tiller handle shift         1986 - 1994         USA         6443973 - 0G044026         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mercury         With tiller handle shift         1986 - 1994         BEL         9415101 - 9807908         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mercury         With tiller handle shift         1986 - 1994         CAN         7209533 and up         50 - 90983A 5         87 - 95810A 8         95723A 4(1)           20         Mariner         With side shift         1986 - 1994         USA         6443973 - 0G044026         50 - 90983A 5         N.L.A.(5)         95723A 4(1)           20         Mariner         With side shift         1986 - 1994         USA         6443973 - 0G044026         50 - 90983A 5         N.L.A.(5)         95723A 4(1)           20         Mariner         With side shift         1986 - 1994         CAN         7209533 and up         50 - 90983A 5         N.L.A.(5)         95723A 4(1)           20         Mercury/Mariner         1994 1/2 - 2003         USA         0G044027 - 0T800749	18XD	Mercury		1984 - 1985	USA	6443973 and up	50- <b>90983A</b> 5	87- 95810A 8	95723A 4(1)
20   Mercury   With tiller handle shift   1986 - 1994   USA   6443973 - 0G044026   50 - 90983A 5   87 - 95810A 8   95723A 4(1)	18XD	Mercury		1984 - 1985	BEL	9378151 - 9415100	50- <b>90983A</b> 5	87- 95810A 8	95723A 4(1)
1/2   20   Mercury   With tiller handle shift   1986 - 1994   12   1986 - 1994   12   12   12   12   12   12   12   1	18XD	Mercury		1984 - 1985	CAN	7209533 and up	50- 90983A 5	87- 95810A 8	95723A 4(1)
1/2   20   Mercury   With tiller handle shift   1986 - 1994   CAN   7209533 and up   50-90983A 5   87-95810A 8   95723A 4(1)	20	Mercury	With tiller handle shift		USA	6443973 - 0G044026	50- <b>90983A</b> 5	87- 95810A 8	95723A 4(1)
1/2   20   Mariner   With side shift   1986 - 1994   USA   6443973 - 0G044026   50 90983A 5   N.L.A.(5)   95723A 4(1)	20	Mercury	With tiller handle shift		BEL	9415101 - 9807908	50- <b>90983A</b> 5	87- 95810A 8	95723A 4(1)
1/2   20   Mariner   With side shift   1986 - 1994   BEL   9415101 - 9807908   50 - 90983A 5   N.L.A.(5)   95723A 4(1)   1/2   20   Mariner   With side shift   1986 - 1994   CAN   7209533 and up   50 - 90983A 5   N.L.A.(5)   95723A 4(1)   1/2   20   Mercury/Mariner   1994 1/2 - 2003   USA   0G044027 - 0T800749   50 - 90983A 5   87 - 823609A 7   95723A 4(1)   20   FourStroke   Mercury/Mariner   1994 1/2 - 2019   JPN   0R235168 - 0R833819   50 - 800071380   N/A   N/A   N/A   20 EFI FourStroke   Mercury/Mariner   2017 - 2019   JPN   0R833820 and up   8M0137846   N/A   N/A   N/A   25, 25XD   Mercury   With tiller handle shift   1984 - 1994   USA   6443973 - 0G044026   50 - 90983A 5   87 - 95810A 8   95723A 4(1)   25, 25XD   Mercury   With tiller handle shift   1984 - 1994   BEL   9415101 - 9807908   50 - 90983A 5   87 - 95810A 8   95723A 4(1)   25, 25XD   Mercury   With tiller handle shift   1984 - 1994   CAN   7209533 and up   50 - 90983A 5   87 - 95810A 8   95723A 4(1)   25, 25XD   Mercury   With tiller handle shift   1984 - 1994   CAN   7209533 and up   50 - 90983A 5   87 - 95810A 8   95723A 4(1)   25, 25XD   Mercury   With tiller handle shift   1984 - 1994   CAN   7209533 and up   50 - 90983A 5   87 - 95810A 8   95723A 4(1)   25, 25XD   Mercury   With tiller handle shift   1984 - 1994   CAN   7209533 and up   50 - 90983A 5   87 - 95810A 8   95723A 4(1)   25, 25XD   Mercury   With tiller handle shift   1984 - 1994   CAN   7209533 and up   50 - 90983A 5   87 - 95810A 8   95723A 4(1)   25, 25XD   Mercury   With tiller handle shift   1984 - 1994   CAN   7209533 and up   50 - 90983A 5   87 - 95810A 8   95723A 4(1)   25, 25XD   25 - 25 - 25 - 25 - 25 - 25 - 25 - 25	20	Mercury	With tiller handle shift		CAN	7209533 and up	50- <b>90983A</b> 5	87- 95810A 8	95723A 4(1)
1/2   20   Mariner   With side shift   1986 - 1994   CAN   7209533 and up   50 - 90983A 5   N.L.A.(5)   95723A 4(1)	20	Mariner	With side shift		USA	6443973 - 0G044026	50- <b>90983A</b> 5	N.L.A.(5)	95723A 4(1)
1/2  20 Mercury/Mariner 1994 1/2 - 2003 USA 0G044027 - 0T800749 50 - 90983A 5 87-823609A 7 95723A 4(1)  20 Mercury/Mariner 1994 1/2 - BEL 9807909 and up 50 - 90983A 5 87-823609A 7 95723A 4(1)  20 FourStroke Mercury/Mariner 351 cc. 2008 - 2019 JPN 0R235168 - 0R833819 50 - 8M0071380 N/A N/A  20 EFI FourStroke Mercury/Mariner 2017 - 2019 JPN 0R833820 and up 8M0137846 N/A N/A  25, 25XD Mercury With tiller handle shift 1984 - 1994 USA 6443973 - 0G044026 50 - 90983A 5 87 - 95810A 8 95723A 4(1)  25, 25XD Mercury With tiller handle shift 1984 - 1994 BEL 9415101 - 9807908 50 - 90983A 5 87 - 95810A 8 95723A 4(1)  25, 25XD Mercury With tiller handle shift 1984 - 1994 CAN 7209533 and up 50 - 90983A 5 87 - 95810A 8 95723A 4(1)	20	Mariner	With side shift		BEL	9415101 - 9807908	50- <b>90983A</b> 5	N.L.A.(5)	95723A 4(1)
2003 20 Mercury/Mariner 1994 1/2 - BEL 9807909 and up 50-90983A 5 87-823609A 7 95723A 4(1) 20 FourStroke Mercury/Mariner 351 cc. 2008 - 2019 JPN 0R235168 - 0R833819 50-8M0071380 N/A N/A 20 EFI FourStroke Mercury/Mariner 2017 - 2019 JPN 0R833820 and up 8M0137846 N/A N/A 25, 25XD Mercury With tiller handle shift 1984 - 1994 USA 6443973 - 0G044026 50-90983A 5 87-95810A 8 95723A 4(1) 25, 25XD Mercury With tiller handle shift 1984 - 1994 BEL 9415101 - 9807908 50-90983A 5 87-95810A 8 95723A 4(1) 25, 25XD Mercury With tiller handle shift 1984 - 1994 CAN 7209533 and up 50-90983A 5 87-95810A 8 95723A 4(1)	20	Mariner	With side shift		CAN	7209533 and up	50- <b>90983A</b> 5	N.L.A.(5)	95723A 4(1)
2019 20 FourStroke Mercury/Mariner 351 cc. 2008 - 2019 JPN 0R235168 - 0R833819 50-8M0071380 N/A N/A 20 EFI FourStroke Mercury/Mariner 2017 - 2019 JPN 0R833820 and up 8M0137846 N/A N/A 25, 25XD Mercury With tiller handle shift 1984 - 1994 USA 6443973 - 0G044026 50-90983A 5 87-95810A 8 95723A 4(1) 25, 25XD Mercury With tiller handle shift 1984 - 1994 BEL 9415101 - 9807908 50-90983A 5 87-95810A 8 95723A 4(1) 25, 25XD Mercury With tiller handle shift 1984 - 1994 CAN 7209533 and up 50-90983A 5 87-95810A 8 95723A 4(1)	20	Mercury/Mariner			USA	0G044027 - 0T800749	50- <b>90983A</b> 5	87-823609A 7	95723A 4(1)
20 EFI FourStroke   Mercury/Mariner   2017 - 2019   JPN   0R833820 and up   8M0137846   N/A   N/A     25, 25XD   Mercury   With tiller handle shift   1984 - 1994   USA   6443973 - 0G044026   50 - 90983A 5   87 - 95810A 8   95723A 4(1)     25, 25XD   Mercury   With tiller handle shift   1984 - 1994   BEL   9415101 - 9807908   50 - 90983A 5   87 - 95810A 8   95723A 4(1)     25, 25XD   Mercury   With tiller handle shift   1984 - 1994   CAN   7209533 and up   50 - 90983A 5   87 - 95810A 8   95723A 4(1)	20	Mercury/Mariner			BEL	9807909 and up	50- <b>90983A</b> 5	87-823609A 7	95723A 4(1)
25, 25XD Mercury With tiller handle shift 1984 - 1994 USA 6443973 - 0G044026 50 - 90983A 5 87 - 95810A 8 95723A 4(1)  25, 25XD Mercury With tiller handle shift 1984 - 1994 BEL 9415101 - 9807908 50 - 90983A 5 87 - 95810A 8 95723A 4(1)  25, 25XD Mercury With tiller handle shift 1984 - 1994 CAN 7209533 and up 50 - 90983A 5 87 - 95810A 8 95723A 4(1)	20 FourStroke	Mercury/Mariner	351 cc.	2008 - 2019	JPN	0R235168 - 0R833819	50-8M0071380	N/A	N/A
1/2 25, 25XD Mercury With tiller handle shift 1984 - 1994 BEL 9415101 - 9807908 50 - 90983A 5 87 - 95810A 8 95723A 4(1) 1/2 25, 25XD Mercury With tiller handle shift 1984 - 1994 CAN 7209533 and up 50 - 90983A 5 87 - 95810A 8 95723A 4(1)	20 EFI FourStroke	Mercury/Mariner		2017 - 2019	JPN	0R833820 and up	8M0137846	N/A	N/A
1/2 25, 25XD Mercury With tiller handle shift 1984 - 1994 CAN 7209533 and up 50 - 90983A 5 87 - 95810A 8 95723A 4(1)	25, 25XD	Mercury	With tiller handle shift		USA	6443973 - 0G044026	50- <b>90983A</b> 5	87- 95810A 8	95723A 4(1)
	25, 25XD	Mercury	With tiller handle shift		BEL	9415101 - 9807908	50- <b>90983A</b> 5	87- <b>95810A</b> 8	95723A 4(1)
·-	25, 25XD	Mercury	With tiller handle shift	1984 - 1994 1/2	CAN	7209533 and up	50- 90983A 5	87- 95810A 8	95723A 4(1)

Model	Brand	Model Notes	Year Range	Country	Serial # Range	Electric Start Kit	Start Button Or Keyswitch	Optional Remote Control Engine Harness
25	Mariner	With side shift	1986 - 1994 1/2	USA	6443973 - 0G044026	50- 90983A 5	N.L.A.(5)	95723A 4(1)
25	Mariner	With side shift	1986 - 1994 1/2	BEL	9415101 - 9807908	50- 90983A 5	N.L.A.(5)	95723A 4(1)
25	Mariner	With side shift	1986 - 1994 1/2	CAN	7209533 and up	50- 90983A 5	N.L.A.(5)	95723A 4(1)
25	Mercury/Mariner		1994 1/2 - 2019	USA	0G044027 and up	50- <b>90983A</b> 5	87-823609A 7	95723A 4(1)
25	Mercury/Mariner		1994 1/2 - 2019	BEL	9807909 and up	50- <b>90983A</b> 5	87-823609A 7	95723A 4(1)
25 FourStroke	Mercury/Mariner	Carb models only	1998 - 2006	USA	0G590000 - 1B344298	(3)	N/A	N/A
25 FourStroke	Mercury/Mariner	Carb models only	1998 - 2006	BEL	9973100 - 0P358282	(3)	N/A	N/A
25 FourStroke	Mercury/Mariner	EFI Tiller models	2006 - 2019	JPN	0R106999 and up	50-899783A01	N/A	N/A
25 FourStroke	Mercury/Mariner	EFI Tiller models	2006 - 2019	BEL	0P401000 and up	50-899783A01	N/A	N/A
30	Mercury/Mariner		1994 - 1997	USA	0G055314 - 0G589999	50- <b>822462A</b> 1	87-825294A 2	84-824477A 3(1)
30	Mercury/Mariner		1994 - 1997	BEL	9854537 - 9928480	50- <b>822462A</b> 1	87-825294A 2	84-824477A 3(1)
30	Mercury/Mariner		1998 - 2002	USA	0G590000 - 0T598999	50-822462A 4(2)	15000A 7	N/A
30	Mercury/Mariner		1998 - 2002	BEL	9973100 - 0P206999	50-822462A 4(2)	15000A 7	N/A
30 FourStroke	Mercury/Mariner	EFI Tiller models	2006 - 2019	JPN	0R106999 and up	50-899783A01	N/A	N/A
30 FourStroke	Mercury/Mariner	EFI Tiller models	2006 - 2019	BEL	0P401000 and up	50-899783A01	N/A	N/A
40	Mercury/Mariner	2 cylinder	1994 - 1997	USA	0G055314 - 0G589999	50-822462A 1	87-825294A 2	84-824477A 3(1)
40	Mercury/Mariner	2 cylinder	1994 - 1997	BEL	9854537 - 9928480	50-822462A 1	87-825294A 2	84-824477A 3(1)
40	Mercury/Mariner	2 cylinder	1998 - 2019	USA	0G590000 and up	50-822462A 4(2)	15000A 7	N/A
40	Mercury/Mariner	2 cylinder	1998 - 2019	BEL	9973100 and up	50-822462A 4(2)	15000A 7	N/A
40	Mercury/Mariner	3 cylinder	1997 1/2 - 2019	USA	0G531801 and up	50-822462A06	15000A 7	N/A
40	Mercury/Mariner	3 cylinder	1997 1/2 - 2019	BEL	9973100 and up	50-822462A06	15000A 7	N/A
50	Mercury/Mariner	3 cylinder	1998 - 2019	USA	0G590000 and up	50-822462A06	15000A 7	N/A
50	Mercury/Mariner	3 cylinder	1998 - 2019	BEL	9973100 and up	50-822462A06	15000A 7	N/A
55MH	Mercury/Mariner	3 cylinder, 51.8 CID	1996 - 1997	USA	0D000750 - 0G589999	NLA	N/A	N/A
55MH	Mercury/Mariner	3 cylinder, 51.8 CID	1996 - 1997	BEL	9741042 - 9973099	NLA	N/A	N/A
55	Mercury/Mariner	3 cylinder, 59 CID	1998 - 2019	USA	0G590000 and up	50-822462A 2	N/A	N/A
55	Mercury/Mariner	3 cylinder, 59 CID	1998 - 2019	BEL	9973100 and up	50-822462A 2	N/A	N/A
60	Mercury/Mariner	59 CID	1998 - 2019	USA	0G590000 and up	50-822462A 2	N/A	N/A
60	Mercury/Mariner	59 CID	1998 - 2019	BEL	9973100 and up	50-822462A 2	N/A	N/A

<sup>(1)</sup> Required for hook-up to optional remote control or transom mounted keyswitch.

<sup>(2)</sup> Neutral Interlock kit no. 87-813960A 4 required to complete this conversion.

<sup>(3)</sup> No kit available for this model.

<sup>(5)</sup> Use the comparable black colored Mercury harness button 87-95810A 8.

### TILLER HANDLE KIT - TRADITIONAL STYLE

Used to convert a remote steering engine to tiller handle operation. Traditional mechanical steering handle.

### **TILLER HANDLE KIT**



#### 856537A 5

Black handle. Components included converts both electric and manual engine to tiller handle front shift models.

Fits Mercury/Mariner 9.9 hp. FourStroke (1999-2004) and 15 hp. FourStroke (1999-2007, 323cc). See application chart for specific engine models.

#### **TILLER HANDLE KIT**



#### 8M0103839

Converts an electric start remote control outboard to an electric start tiller handle outboard.

Fits 9.9 hp. FourStroke, Model Year 2005 & newer, both standard and BigFoot models requiring SAE ended throttle/shift cables. Serial Numbers USA-0R042475-0R192771 & BEL-0P325500-0P513329.

#### 8M0103840

Converts an electric start remote control outboard to an electric start tiller handle outboard.

Fits 9.9 hp. FourStroke, Model Year 2005 & newer, both standard and BigFoot models requiring SAE ended throttle/shift cables. Serial Numbers USA-0R042475-0R192771 & BEL-0P325500-0P513329.

### **TILLER HANDLE CONVERSION KIT**



#### 8M0103837

Converts an ERC to EH model.

Fits the 9.9 hp. FourStroke outboard with EPA calibrations and requiring Mercury style ended throttle/shift cables. Serial Numbers USA-0R192772 & newer, BEL-0P513330 & newer.

#### **TILLER HANDLE CONVERSION KIT**



#### 8M0103838

Converts an ERC to EH model.

Fits the 9.9 hp. FourStroke outboard with EU calibrations and requiring Mercury style ended throttle/shift cables. Serial Numbers USA-0R192772 & newer, BÉL-0P513330 & newer.

### **TILLER HANDLE CONVERSION KIT**



#### 8M0104197

Converts an ERC (electric remote model) to an EH (electric tiller model). Power trim models require additional kit 87-898101A02 to relocate trim switch from the cowl to the handle.

Fits the 15 hp. FourStroke (351cc) outboard, serial number 0R235949 - 0R833819.

### **TILLER HANDLE CONVERSION KIT**

Image not Available.

#### 8M0137854

Converts remote control to tiller handle.

15/20 EFI FourStroke outboard, 0R833820 and above.

### **TILLER HANDLE CONVERSION KIT**



### 8M0104198

Converts an ERC (electric remote model) to an EH (electric tiller model). Power trim models require additional kit 87-898101A02 to relocate trim switch from the cowl to the handle.

Fits the 20 hp. FourStroke (351cc) outboard, serial number 0R235168 - 0R833819.

### **TILLER HANDLE KIT**



#### 94185A17

Fits Mariner 20 hp. 2 cycle outboards (USA 6443973-0B238463, BEL 9415101-9507380, CAN 7209533-0A730006).

### **TILLER HANDLE KIT**



#### 821468A 7

Black handle. Converts to tiller shift with hand adjustable co-pilot. Electric start models require keyswitch or start button. See application chart.

Fits various Mercury/Mariner 20/25 hp. 2 cycle outboards 1994 1/2 and newer. See application chart for specific engine models. This handle does NOT fit JET outboards.

### **TILLER HANDLE KIT**



### 821455A20

Black handle. Power trim models require trim switch kit. Fits Mercury 25 hp. 4-Stroke outboards (USA 0G590000-0G760299).

### **TILLER HANDLE KIT**



#### 821455A26

Black handle. Power trim models require trim switch kit.

Fits Mercury/Mariner 25 hp. Carbureted 4-Stroke outboards (USA 0G760300 and Newer).

### **TILLER HANDLE CONVERSION KIT**



#### 8M0051061

This kit converts an MRC (manual remote control) model to a tiller handle operation.

Fits the 25-30 Hp EFI FourStroke Outboard, serial number 0R106999 & above.

#### **TILLER HANDLE CONVERSION KIT**



#### 8M0051062

This kit converts an ERC (electric remote control) model to a tiller handle operation. Models with power trim will have trim switch on the side of the cowl. To replace that switch with one on the handle, order an 87-898101A01 trim switch kit if desired. Fits the 25-30 Hp EFI FourStroke Outboard, serial number JPN-0R106999 & above and BEL-0P401000 & above.

### TRIM SWITCH KIT



### 87-898101A01

When installing a tiller handle conversion kit to a remote model that has power trim, it may be desired to replace the cowl mounted trim switch with one mounted on the handle. This kit will make that trim switch conversion from the cowl to the tiller handle.

Fits the 25-30 Hp EFI FourStroke Outboard, serial number JPN-0R106999 & above and BEL-0P401000 & above.

### **TILLER HANDLE KIT**



#### 821455T 8

Black handle. Electric start models require transom mounted keyswitch and a neutral interlock. Power trim models require a trim switch kit. Hand adjustable co-pilot included.

Fits various Mercury/Mariner 30/40 hp. (2 cyl.) 2 cycle outboards. See application chart for specific engine models.

### **TILLER HANDLE KIT**



#### 821455A22

For carbureted models only. Power trim models require a trim switch kit. Fits Mercury/Mariner 30/40 hp. 4-Stroke (3 cyl.) carbureted outboards (MY1999-2005) and 40 hp. (3 cyl.) manual start, carbureted, short shaft, vertical shift FourStroke outboards (MY2006).

### **TILLER HANDLE KIT**



#### 821455A16

For EFI models only. Power trim models require a trim switch kit. Fits Mercury/Mariner 30/40 hp. 4-Stroke (3 cyl.) EFI outboards (MY1999-2005).

#### **TILLER HANDLE KIT**



### 821455A17

For EFI short shaft models only. Power trim models require a trim switch kit. Fits Mercury/Mariner 40 hp. (3 cyl.) EFI short shaft, vertical shift FourStroke outboards (MY2006).

#### **TILLER HANDLE KIT**



#### 821455A24

Has rotary actuated shift.

Fits the MY2006, F40hp. 3-cylinder EFI Longshaft FourStroke outboard with serial number CHN 1C000001-1C049738 and BEL 0P401000-0P515896.

#### TILLER HANDLE KIT



#### 828813A29

Black handle. See application chart for additional components required to complete the conversion. Power trim models require a trim switch kit.

Fits various Mercury/Mariner 40/50 hp. (3 cyl.) and 30 JET (3 cyl.) 2 cycle outboards. See application chart for specific engine models.

#### **TILLER HANDLE KIT**



### 95419A 1

Requires transom mounted ignition/choke. See application chart.

Fits Mariner 40 hp. outboard (Japanese origin). See application chart for specific engine models.

### **TILLER HANDLE KIT**



### 828813A 2

Black handle.

Fits various Mercury/Mariner 40/45/50 hp. 4-Stroke outboards with standard gearcase. See application chart for specific engine models.

#### 828813A33

Black handle.

Fits various Mercury/Mariner 40/45/50 hp. 4-Stroke outboards with standard gearcase. See application chart for specific engine models.

#### **TILLER HANDLE KIT**



#### 880095A09

Black handle. Kit contains the complete handle assembly, hand adjustable co-pilot and shift components.

Fits Mercury/Mariner 40 hp. (4 cyl.) 4-Stroke Bigfoot Carb Model (2001) and Mercury/Mariner 50/60 hp. (4 cyl.) 4-Stroke Carb Model outboards (2001 and Newer). See application chart for specific engine models and serial numbers.

#### **TILLER HANDLE KIT**



### 880095A05

Black handle. Kit contains the complete handle assembly, hand adjustable co-pilot and shift components.

Fits Mercury/Mariner 40 hp. (4 cyl.) FourStroke Bigfoot EFI Model and 50/60 hp. (4 cyl.) FourStroke EFI Model outboards (USA 0T409000-1B226999 and BEL 0P153500-0P400999).

### TILLER HANDLE KIT



#### 880095A04

Black handle. Kit contains the complete handle assembly, hand adjustable co-pilot and shift components.

Fits Mercury/Mariner 40 hp. (4 cyl.) FourStroke Bigfoot EFI Model and 50/60 hp. (4 cyl.) FourStroke EFI Model outboards (CHN-1C000001-1C050251).

#### **TILLER HANDLE KIT**



#### 889246A37

Coverts a remote model Jet outboard to a tiller handle Jet outboard. Fits the Mercury/Mariner 40 hp. (4 cylinder) FourStroke Jet outboard, CHN-1C000001 & above.

### **TILLER HANDLE KIT**



#### 880093A03

Black handle. Kit contains the complete handle assembly, hand adjustable co-pilot and shift components. Converts an ERC (remote) model to an EH (tiller) model. Fits Mercury/Mariner 40 hp. (3 cyl.) FourStroke EFI and 40/50/60 hp. (4 cyl.) FourStroke EFI Model outboards (CHN-1C050252 & above).

#### **TILLER HANDLE KIT**



### 816366A48

Black handle. See application chart for additional components required to complete the conversion. Power trim models require a trim switch kit.

Fits various Mercury/Mariner 60 hp. and 45 JET 2 cycle outboards (1999 and Newer). See application chart for specific engine models.

#### **TILLER HANDLE KIT**



#### 816366A42

Black handle. Converts remote models to tiller handle control.

Fits Mercury/Mariner 75/90/115 hp. 4-Stroke outboards through Model Year 2003 (ending serial numbers USA 0T800999 & BEL 0P267999). Will not fit new 2004 product with the EZ shift gearcase.

### **TILLER HANDLE KIT**



#### 816366A52

Black handle. Converts remote models to tiller handle control. Fits Mercury/Mariner 75-115 EFI FourStroke outboards (USA 1B366823-2B094955, BEL 0P459572 and above).

#### **TILLER HANDLE KIT**



#### 12022A40

Black handle. JET outboards require a shift attaching kit.

Fits various Mercury/Mariner 65 JET/75/90 hp. (3 cyl.) 2 cycle outboards (1997 and Newer). See application chart for specific engine models.

### **TILLER HANDLE KIT**



#### 12022A41

Black handle. JET outboards require a shift attaching kit. Fits various Mercury/Mariner 80 JET/100/115/125 hp. (4 cyl.) 2 cycle outboards. See application chart for specific engine models. Mariner gray handle kits for this application are no longer available.

### **TILLER HANDLE KIT**



### 896648A07

Black handle. Converts remote models to a tiller handle control. Fits the 75/90/115 DFI, 1.5L OptiMax Outboard, Model Year 2004 & 2005 with serial number 0T801000-1B226999.

### **TILLER HANDLE KIT**



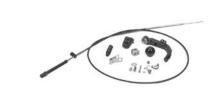
#### 896648A09

Black handle. Converts remote models to a tiller handle control. Fits the 75/90/115 DFI, 1.5L OptiMax Outboard, Model Year 2006 and newer.

### SHIFT ATTACHING KIT

Needed to activate the shift on a JET outboard when converting from remote operation to a tiller handle operation.

#### SHIFT ATTACHING KIT



### 850000A 2

Fits Mercury / Mariner 45 JET 2 cycle outboards (USA 0D182000 and Newer).

### SHIFT ATTACHING KIT



### 850000A 3

Fits Mercury / Mariner 65 JET 2 cycle outboards (USA 0D182000 and Newer) and 80 JET 2 cycle outboards (USA 0G449551 and Newer).

#### SHIFT ATTACHING KIT



### 850000A 4

Fits Mercury / Mariner 30 JET (3 cyl.) 2 cycle outboards (USA 0G590000 and Newer).

### **TILLER HANDLE - BIG TILLER STEERING**

The Big Tiller has improved features and is designed to allow driving a large tiller Outboard engine easily, safely and is ergonomically friendly. The Big Tiller is used on large 40-115 HP FourStroke, 75-250 HP OptiMax, 135-200 HP 4 cylinder DTS Verado engines.

### **MECHANICAL TILLER WITH P/S**



#### 8M0134607

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, a hydraulic locking feature eliminating torque, easy access to the throttle shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation. The RPM Adjustment switch (Troll Control) is included as standard equipment on this model.

The LED light switch is available as an option on this model.

Power Steering is strongly recommended for 75-115 HP 1.5L OptiMax. Power Steering is required for 135-250 HP OptiMax (2.5.L and 3.0L).

#### DTS TILLER HANDLE WITH P/S



#### 8M0134609

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, a hydraulic locking feature eliminating torque, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation.

The RPM Adjustment (Troll Control) and LED light switch are standard on this model.

Power Steering is required - 135-200 HP 4 Cylinder Verado.

#### **MECHANICAL TILLER WITH P/S**



#### 8M0134604

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, a hydraulic locking feature eliminating torque, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation. The RPM adjustment switch (Troll Control) is included as standard equipment on this model.

The LED light switch is available as an option on this model.

Power Steering is strongly recommended for the 150 FourStroke. The Big Tiller kit (Power Steering) with extra length and bent arm to attach to the 150 HP FourStroke engine.

### **MECHANICAL TILLER WITHOUT P/S**



#### 8M0093581

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation.

The RPM Adjustment (Troll Control) and LED light switch are optional on this model.

Tiller is 3 inches shorter than previous model p/n 8M0074795. Power Steering is strongly recommended for 75-115 HP 1.5L OptiMax

### **MECHANICAL TILLER WITHOUT P/S**



#### 879291A04

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation.

The RPM Adjustment (Troll Control) and LED light are optional on this model.

T/S kit 40 - 60 HP not included

40-60 HP FourStroke used with ELPT generation change S/N 1C050252 and above.

### **MECHANICAL TILLER WITHOUT P/S**



#### 879291A05

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation.

The RPM Adjustment (Troll Control) and LED light switch are optional on this model

This is a conversion kit that allows installation of the Big Tiller on a current tiller handle model ELHPT 40 - 60 HP FourStroke with generation change S/N 1C050252 and above.

T/S kit 40 - 60 HP is not included.

#### THROTTLE AND SHIFT KIT- 40-60 FOURSTROKE



### 8M0082354

The kit includes 2 - T/S cables. These cables are designed to provide best in class installation for this engine family.

The kit is designed to work with the 40 - 60 HP engines. This kit is not compatible with Jet Outboard engines.

# THROTTLE AND SHIFT KIT- 75-115 FOURSTROKE TILLER



The kit includes 2 - T/S cables. These cables are designed to provide best in class installation for this engine family.

The kit is designed to work with the 1.7L 75-115 HP FourStroke engines.

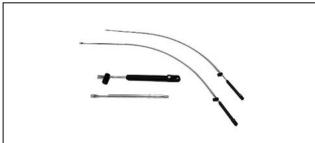
# THROTTLE AND SHIFT KIT- 3.0L 150 FOURSTROKE TILLER

#### 8M0082355

The kit includes 2 - T/S cables. These cables are designed to provide best in class installation for this engine family.

The kit is designed to work with the 3.0L 150 HP FourStroke engines.

# THROTTLE AND SHIFT KIT- 75-115 1.5L OPTIMAX TILLER

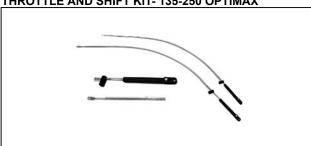


#### 8M0082352

The kit includes 2 - T/S cables. These cables are designed to provide the best in class installation for this engine family.

The kit is designed to work with 75 - 115 HP OptiMax engines.

### **THROTTLE AND SHIFT KIT- 135-250 OPTIMAX**



#### 8M0082353

The kit includes 2 - T/S cables. These cables are designed to provide the best in class installation for this engine family.

The kit is designed to work with the 135 - 250 HP OptiMax engines.

# THROTTLE AND SHIFT KIT- 3.0L 150 FOURSTROKE TILLER



### 8M0082355

The kit includes 2 - T/S cables. These cables are designed to provide best in class installation for this engine family.

The kit is designed to work with the 3.0L 150 HP FourStroke engines.

### TROLL CONTROL KIT



### 87-8M0083437

RPM adjustment at your finger tips. This kit can be added to the Big Tiller Mechanical without P/S as an option

### **LED LIGHT AND SWITCH KIT**



### 897978T02

New LED light and Switch Kit is an option on all Mechaincal Big Tiller units. Allows for easy installation on the new Big Tiller. Light up your boat with a soft Amber light to make night fishing or early morning fishing more fexible.

### **OUTBOARD STABILIZER CLIPS-TRAILERING**



### 64-891762A04

Helps keep engine centered during trailering Safety orange durable plastic material Fits most cylinder rods on engines manufactured in 1997 and newer. Snaps over outboard's hydraulic steering cylinder rods

### TILLER HANDLE KITS CHART - MERCURY/MARINER

### Mercury/Mariner Tiller Handle Kits

Model	Model Notes	Year Range		Serial # Range	Tiller Handle Kit Part Number	Handle Color	Shift Attaching Kit
8 FourStroke	232 cc. With Side Shift.	1995 - 1998	USA	0H000058 - 0H017099	N.L.A.	Black	N/A
					N.L.A.	Gray	N/A
8 FourStroke	232 cc. With Side Shift.	1999 - 2000	USA	0H017100 - 0H017349	N.L.A.	Black	N/A
8 FourStroke	232 cc. With Side Shift.	1999 - 2000	USA	0G760300 and up	N.L.A.	Black	N/A
8 FourStroke	232 cc. With Shift in Handle.	1995 - 1998	USA	0H000058 - 0H017099	N.L.A.	Black	N/A
					N.L.A.	Gray	N/A
8 FourStroke	232 cc. With Shift in Handle.	1999 - 2000	USA	0H017100 - 0H017349	N.L.A.	Black	N/A
8 FourStroke	232 cc. With Shift in Handle.	1999 - 2000	USA	0G760300 and up	N.L.A.	Black	N/A
8 FourStroke	323 cc.	2001 - 2004	BEL	0P086824 - 0P325499	856537A 5	Black	N/A
8 FourStroke	Manual start models	2005 - 2006	JPN	0R042475 - 0R192771	8M0103839(14)	Black	N/A
			BEL	0P325500 - 0P513329			
9.9 FourStroke	232 cc. With Side Shift.	1995 - 1998	USA	0H000058 - 0H016909	N.L.A.	Black	N/A
					N.L.A.	Gray	N/A
9.9 FourStroke	232 cc. With Shift in Handle.	1995 - 1998	USA	0H000058 - 0H016909	N.L.A.	Black	N/A
					N.L.A.	Gray	N/A
9.9 FourStroke	323 cc.	1999 - 2004	USA	0G760300 - 0T979999	856537A 5	Black	N/A
		1999 - 2004	BEL	0P075166 - 0P325499			
9.9 FourStroke	SAE Manual Remote(14)	2005 - 2006	JPN	0R042475 - 0R192771	8M0103839(14)	Black	N/A
			BEL	0P325500 - 0P513329			
9.9 FourStroke	SAE Electric Remote(14)	2005 - 2006	JPN	0R042475 - 0R192771	8M0103840(14)	Black	N/A
			BEL	0P325500 - 0P513329			
9.9 FourStroke, EPA	MERC Electric Remote(15)	2006 - 2019	JPN	0R192772 and up	8M0103837(15)	Black	N/A
9.9 FourStroke, EU	MERC Electric Remote(15)	2006 - 2019	BEL	0P513330 and up	8M0103838(15)	Black	N/A
15 FourStroke	323cc	1998	USA	0G590000 - 0G760299	N.L.A.	Black	N/A
					N.L.A.	Gray	N/A
15 FourStroke	323cc	1999 - 2008	USA	0G760300 and up	856537A 5	Black	N/A
15 FourStroke	351cc, Electric Remote	2008 - 2019	JPN	0R235949 - 0R833819	8M0104197(13)	Black	N/A
15 EFI FourStroke		2017 - 2019	JPN	0R833820 and up	8M0137854	Black	N/A
20		1984 - 1987	USA	6443973 - 0B238463	94185A17	Gray	N/A
			BEL	9415101 - 9507380			
			CAN	7209533 - 0A730006			

Model	Model Notes	Year Range		Serial # Range	Tiller Handle Kit Part Number	Handle Color	Shift Attaching Kit
20		1988 - 1994	USA	0B238464 - 0G044026		Gray	N/A
			BEL	9507381 - 9807908			
			CAN	0A730007 and up			
20		1994 1/2 - 2003	USA	0G044027 - 0T800749	821468A 7(1)	Black	N/A
			BEL	9807909 and up			
20 JET		1994 - 1998	USA	0G044027 - 0G760299	N/A	N/A	N/A
20 JET		1999 - 2019	USA	0G760300 and up	N/A	N/A	N/A
20 FourStroke	351cc, Electric Remote	2008 - 2019	JPN	0R235168 - 0R833819	8M0104198(13)	Black	N/A
20 EFI FourStroke		2017 - 2019	JPN	0R833820 and up	8M0137854	Black	N/A
25		1994 1/2 - 2005	USA	0G044027 - 1B226999	821468A 7(1)	Black	N/A
25 FourStroke	351cc, Electric remot		BEL	9807909 - 0P400999			
25 FourStroke		1998	USA	0G590000 - 0G760299	821455A20(2)	Black	N/A
					N.L.A.(9)	Gray	N/A
25 FourStroke	Carbureted Models	1999 - 2006	USA	0G760300 - 1B344298	821455A26(2)	Black	N/A
25 FourStroke	EFI, Manual Version	2006 - 2019	JPN	0R106999 and up	8M0051061(12)	Black	N/A
			BEL	0P401000 and up			
25 FourStroke	EFI, Electric Version	2006 - 2019	JPN	0R106999 and up	8M0051062(13)	Black	N/A
			BEL	0P401000 and up		_	
30E / EL	(Japanese Origin) Without oil injection.			689 Series and up	N.L.A.(3)	Gray	N/A
30E / EL	(Japanese Origin) With oil injection.	1001 1000	1104	689 Series and up	N.L.A.(4)	Gray	N/A
30	2 cylinder, 644 cc.	1994 - 1998	USA	0G053314 - 0G760299	821455T 8(5)	Black	N/A
20		4004 4000	BEL	9812719 - 0P016999	N.I. A (0)	0	NI/A
30		1994 - 1998	USA BEL	0G053314 - 0G760299	N.L.A.(9)	Gray	N/A
30	2 cylinder, 644 cc.	1999 - 2002	USA	9812719 - 0P016999 0G760300 - 0T598999	821455T 8(5)	Black	N/A
30	2 Cyllinder, 644 CC.	1999 - 2002	BEL	0P017000 - 0P206999	0214551 0(5)	DIACK	N/A
30 FourStroke	3 cyl. Carbureted	1999 - 2019	USA	0G760300 and up	821455A22(2)	Black	N/A
30 T Garotioke	o cys. Carbureted	1000 - 2010	BEL	0P094500 and up	02 1400A22(2)	Didok	N/A
30 FourStroke	3 cyl. EFI	2002 - 2005	USA	0T409000 - 1B226999	821455A16(2)	Black	N/A
	3 Syn. 2. 1	2002 2000	BEL	0P153500 - 0P400999	02 : 100/ 110(2)	Didon	130
30 FourStroke	EFI, Manual Version	2006 - 2019	JPN	0R106999 and up	8M0051061(12)	Black	N/A
			BEL	0P401000 and up			
30 FourStroke	EFI, Electric Version	2006 - 2019	JPN	0R106999 and up	8M0051062(13)	Black	N/A
			BEL	0P401000 and up			
30 Jet	4 cylinder.	1994 - 1997	USA	0C159200 - 0G589999	N.L.A.	Black	N.L.A.
30 Jet	3 cylinder.	1998	USA	0G590000 - 0G760299	828813A29(2)(4)	Black	850000A 4
30 Jet	3 cylinder.	1998	USA	0G590000 - 0G760299	828813A29(2)(4)(9)	Black	850000A 4
30 Jet	3 cylinder.	1999 - 2019	USA	0G760300 and up	828813A29(2)(4)	Black	850000A 4
35	2 cyl. Models w/ 2 piece steering arm.	Prior to - 1989	USA	0C159200 and up	N.L.A.(2)	Black	N/A
		Prior to - 1989	BEL	9570790 and up			
40	4 cyl. Models w/ 2 piece steering arm & single tri	1989 - 1997	USA	0C159200 and up	N.L.A.	Black	N/A
			BEL	9570790 and up			
40	4 cyl. Models w/ 2 piece steering arm & single tri	1989 - 1997	USA	0C159200 and up	N.L.A.	Gray	N/A
			BEL	9570790 and up			
40	2 cylinder, 644 cc.	1994 - 1998	USA	0G053314 - 0G760299	821455T 8(2)(5)	Black	N/A
			BEL	9812719 - 0P016999			
40	2 cylinder, 644 cc.	1994 - 1998	USA	0G053314 - 0G760299	N.L.A.(9)	Gray	N/A
			BEL	9812719 - 0P016999			
40	2 cylinder, 644 cc.	1999 - 2019	USA	0G760300 and up	821455T 8(2)(5)	Black	N/A
		1999 - 2019	BEL	0P017000 and up			
40E / EL	2 cyl.(Japanese Origin) Without oil injection.			6E9 Series and up	95419A 1(3)	Gray	N/A
40E / EL	2 cyl.(Japanese Origin) With oil injection.			6E9 Series and up	95419A 1(4)	Gray	N/A
40	3 cylinder.	1997 1/2 - 1998	USA	0G531301 - 0G760299	828813A29(2)(4)	Black	N/A

Model	Model Notes	Year Range		Serial # Range	Tiller Handle Kit Part Number	Handle Color	Shift Attaching Kit
			BEL	9973100 - 0P016999			
40	3 cylinder.	1997 1/2 - 1998	USA	0G531301 - 0G760299	828813A29(2)(4)(9)	Black	N/A
			BEL	9973100 - 0P016999			
40	3 cylinder.	1999 - 2005	USA	0G760300 - 1B226999	828813A29(2)(4)	Black	N/A
40	3 cylinder.	1999 - 2019	BEL	0P017000 and up	828813A29(2)(4)	Black	N/A
40 FourStroke	3 cyl. Carb	1999 - 2005	USA	0G760300 - 1B226999	821455A22(2)	Black	N/A
			BEL	0P094500 - 0P400999			
40 FourStroke	3 cyl. EFI	2002 - 2005	USA	0T409000 - 1B226999	821455A16(2)	Black	N/A
			BEL	0P153500 - 0P400999			
40 FourStroke	3 cyl. Manual-Short Shaft	2006	USA	1B227000 - 1B344398	821455A22(10)	Black	N/A
	3 cyl. EFI-Short Shaft	2006	USA	1B227000 - 1B344398	821455A17(2)(10)	Black	N/A
	3 cyl. EFI-Short Shaft only	2006	BEL	0P401000 - 0P515896	821455A17(2)(10)	Black	N/A
	3 cyl. EFI-Long Shaft	2006	CHN	1C000001 - 1C049738	821455A24(11)	Black	N/A
	3 cyl. EFI-Long Shaft	2006	BEL	0P401000 - 0P515896	821455A24(11)	Black	N/A
40 FourStroke	3 cyl. EFI	2007 - 2019	CHN	1C049739 and up	880093A03	Black	N/A
40 FourStroke	4 cylinder with Standard Gearcase	1996 - 1998	USA	0G231123 - 0G760299	828813A 2	Black	N/A
					(9)	Gray	N/A
40 FourStroke	4 cylinder with BigFoot Gearcase	1996 - 1998	USA	0G231123 - 0G760299	N.L.A.	Black	N/A
					(9)	Gray	N/A
40 FourStroke	4 cylinder with Standard Gearcase	1999 - 2000	USA	0G760300 - 0T178499	828813A 2	Black	N/A
40 FourStroke	4 cylinder with BigFoot Gearcase	1999 - 2000	USA	0G760300 - 0T178499	N.L.A.	Black	N/A
40 FourStroke	4 cylinder Carb Model w/ BigFoot Gearcase 996 cc.	2001	USA	0T178500 - 0T408999	880095A09	Black	N/A
			BEL	0P094500 - 0P153499			
40 FourStroke	4 cylinder EFI Model w/ BigFoot gearcase 996 cc.	2002 - 2005	USA	0T409000 - 1B226999	880095A05	Black	N/A
			BEL	0P153500 - 0P400999			
40 FourStroke	4 cylinder EFI Mode w/BigFoot gearcase 996 cc.l	2006	USA	1B227000 - 1B344306	880095A04	Black	N/A
			BEL	0P401000 - 0P515896			
40 FourStroke	4 cylinder EFI Mode w/BigFoot gearcase 996 cc.l	2006	CHN	1C000001 - 1C050251	880095A04	Black	N/A
40 FourStroke	4 cylinder EFI, Traditional Tiller	2007 - 2019	CHN	1C050252 and up	880093A03	Black	N/A
	Big Tiller for RC Models				879291A04(16)	Black	N/A
	Big Tiller for H Models				879291A05(16)	Black	N/A
40 JET		2001 - 2019	USA	0T178500 and up	816366A48(2)	Black	850000A 2
			BEL	0P094500 and up			
40 JET FourStroke	4 cylinder EFI	2007 - 2019	CHN	1C051324 and up	889246A37	Black	N/A
45	4 cyl. w/2 pc steering arm & 2 trim cylinders	1989	USA	0C159200 and up	N.L.A.(2)	Black	N/A
			BEL	9570790 and up			
45 FourStroke	4 cylinder with Standard Gearcase	1996 - 1998	USA	0G231123 - 0G760299	828813A 2	Black	N/A
45 FourStroke	4 cylinder with BigFoot Gearcase	1996 - 1998	USA	0G231123 - 0G760299	N.L.A.	Black	N/A
45 FourStroke	4 cylinder with Standard Gearcase	1999 - 2000	USA	0G760300 - 0T178499	828813A 2	Black	N/A
45 FourStroke	4 cylinder with BigFoot Gearcase	1999 - 2000	USA	0G760300 - 0T178499	N.L.A.	Black	N/A
45 Jet		1994 - 1998	USA	0D182000 - 0G760299	N.L.A.(2)	Black	850000A 2
					N.L.A.(9)	Gray	850000A 2
45 Jet		1999 - 2000	USA	0G760300 - 0T178499	816366A48(2)	Black	850000A 2
50	Models w/2 pc steering arm & 2 trim cylinders	Prior to - 1989 1/2	USA	Prior to - 0C160935	N.L.A.(2)	Black	N/A
			BEL	Prior to - 9469199			
50	Models w/2 pc steering arm & single trim cylinder	1989 1/2 - 1990	USA	0C160936 - 0D042363	N.L.A.(2)	Black	N/A
			BEL	9469200 - 9671686			
50	51.8 CID	1991 - 1997	USA	0D042364 - 0G589999	N.L.A.(2)	Black	N/A
			BEL	9671687 - 9973099	• *		
50	51.8 CID	1991 - 1997	USA	0D042364 - 0G589999	N.L.A.(9)	Gray	N/A
			BEL	9671687 - 9973099			
50	59 CID	1998	USA	0G590000 - 0G760299	828813A29(2)(4)	Black	N/A
50	33 OID	1000	00/1	0000000 00100200	020010/120(2)(1)		

Model	Model Notes	Year Range		Serial # Range	Tiller Handle Kit Part Number	Handle Color	Shift Attaching Kit
50	59 CID	1998	USA	0G590000 - 0G760299	828813A29(2)(4)(9)	Black	N/A
			BEL	9973100 - 0P016999			
50		1999 - 2019	USA	0G760300 and up	828813A29(2)(4)	Black	N/A
		1999 - 2019	BEL	0P017000 and up			
50 FourStroke	4 cylinder with Standard Gearcase	1996 - 1998	USA	0G231123 - 0G760299	828813A 2	Black	N/A
50 FourStroke	4 cylinder with BigFoot Gearcase	1996 - 1998	USA	0G231123 - 0G760299	N.L.A. (9)	Black Gray	N/A N/A
50 FourStroke	4 cylinder with Standard Gearcase	1999 - 2000	USA	0G760300 - 0T178499	828813A 2	Black	N/A
50 FourStroke	4 cylinder with BigFoot gearcase	1999 - 2000	USA	0G760300 - 0T178499	N.L.A.	Black	N/A
50 FourStroke	4 cylinder, Carbureted, 996 cc.	2001	USA BEL	0T178500 - 0T408999 0P094500 - 0P253499	880095A09	Black	N/A
50 FourStroke	4 cylinder, EFI, 996 cc.	2002 - 2005	USA	0T409000 - 1B226999	880095A05	Black	N/A
			BEL	0P153500 - 0P400999			
50 FourStroke	4 cylinder, EFI, 996 cc.	2006	USA	1B227000 - 1B344306	880095A04	Black	N/A
			BEL	0P400999 - 0P515896			
50 FourStroke	4 cylinder, EFI, 996 cc.	2006	CHN	1C000001 - 1C050251	880095A04	Black	N/A
50 FourStroke	4 cylinder EFI, Traditional Tiller	2007 - 2019	CHN	1C050252 and up	880093A03	Black	N/A
	Big Tiller for RC Models				879291A04(16)	Black	N/A
	Big Tiller for H Models				879291A05(16)	Black	N/A
60	Models w/2 pc steering arm & 2 trim cylinders	Prior to - 1989 1/2	USA	Prior to - 0C160935	N.L.A.(2)	Black	N/A
		1000 1/0 1000	BEL	Prior to - 9469199		B	***
60	Models w/2 pc steering arm & single trim cylinder	1989 1/2 - 1990	USA BEL	0C160936 - 0D042363 9469200 - 9671686	N.L.A.(2)	Black	N/A
60		1991 - 1998	USA	0D042364 - 0G760299	N.L.A.(2)	Black	N/A
			BEL	9671687 - 0P016999			
60		1991 - 1998	USA	0D042364 - 0G760299	N.L.A.(9)	Gray	N/A
			BEL	9671687 - 0P016999			
60		1999 - 2019	USA	0G760300 and up	816366A48(2)	Black	N/A
			BEL	0P017000 and up			
60 FourStroke	4 cylinder, Carbureted, 996 cc.	2001	USA BEL	0T178500 - 0T408999 0P094500 - 0P153499	880095A09	Black	N/A
60 FourStroke	4 cylinder, EFI, 996 cc.	2002 - 2005	USA	0T409000 - 1B226999	880095A05	Black	N/A
			BEL	0P153500 - 0P400999			
60 FourStroke	4 cylinder, EFI, 996 cc.	2006	USA	1B227000 - 1B344306	880095A04	Black	N/A
			BEL	0P400999 - 0P515896			
60 FourStroke	4 cylinder, EFI, 996 cc.	2006	CHN	1C000001 - 1C050251	880095A04	Black	N/A
60 FourStroke	4 cylinder EFI, Traditional Tiller	2007 - 2019	CHN	1C050252 and up	880093A03	Black	N/A
	Big Tiller for RC Models				879291A04(16)	Black	N/A
	Big Tiller for H Models				879291A05(16)	Black	N/A
65 Jet	3 cylinder	1993 - 1996	USA	0D182000 - 0G449550	N.L.A.	Black	850000A 3
65 Jet	3 cylinder	1997 - 1998	USA	0G449551 - 0G760299	N.L.A. 12022A40	Gray	850000A 3 850000A 3
00 061	o cymiudi	1537 - 1530	UUA	00-43001 - 00/00233	(9)	Black Gray	850000A 3
65 Jet	3 cylinder	1999 - 2019	USA	0G760300 and up	12022A40	Black	850000A 3
75		1993 - 1996	USA	0D182000 - 0G449550	N.L.A.	Black	N/A
			BEL	9742452 - 9934127			
75		1993 - 1996	USA	0D182000 - 0G449550	(9)	Gray	N/A
			BEL	9742452 - 9934127			
75		1997 - 2019	USA	0G449551 and up	12022A40	Black	N/A
			BEL	9934128 and up			
75 Optimax	1.5L, DFI	2005	USA	0T980000 - 1B226999	896648A07	Black	N/A

Model	Model Notes	Year Range		Serial # Range	Tiller Handle Kit Part Number	Handle Color	Shift Attaching Kit
75 Optimax	1.5L, DFI	2006 - 2019	USA	1B227000 and up	896648A09	Black	N/A
	Big Tiller, Power Steering				8M0134607	Black	N/A
	Big Tiller, non-Power Steer				8M0093581	Black	N/A
75 FourStroke	4 cyl. Carb	2000 - 2003	USA	OG960500 - 0T800749	816366A42	Black	N/A
75 FourStroke	4 cyl. Carb w/EZ shift gearcase	2004 - 2005	USA	0T800750 - 1B226999	816366A32 (17)	Black	N/A
75 FourStroke	4 cylinder, EFI	2005	USA	0T980000 - 1B226999	N.L.A.(8)	Black	N/A
75 FourStroke	4 cylinder, EFI	2006	USA	1B227000 - 1B366822	N.L.A.	Black	N/A
75 FourStroke, 1.7L	4 cylinder, EFI, Traditional Tiller	2006 - 2014	USA	1B366823 - 2B094955	816366A52	Black	N/A
	Big Tiller, Power Steering				8M0134607(16)	Black	N/A
	Big Tiller, non-Power Steer				8M0093581(16)	Black	N/A
80 Jet	4 cylinder	1997 - 1998	USA	0G449551 - 0G760299	12022A41	Black	850000A 3
80 Jet	4 cylinder	1997 - 1998	USA	0G449551 - 0G760299	12022A41	Black	850000A 3
80 Jet	4 cylinder	1999 - 2006	USA	0G760300 - 1B261437	12022A41	Black	850000A 3
90		1993 - 1996	USA	0D182000 - 0G449550	N.L.A.	Black	N/A
			BEL	9742452 - 9934127			
90		1993 - 1996	USA	0D182000 - 0G449550	(9)	Gray	N/A
			BEL	9742452 - 9934127			
90		1997 - 2019	USA	0G449551 and up	12022A40	Black	N/A
			BEL	9934128 and up			
90 Optimax	1.5L, DFI	2005	USA	0T980000 - 1B226999	896648A07	Black	N/A
90 Optimax	1.5L, DFI	2006 - 2019	USA	1B227000 and up	896648A09	Black	N/A
	Big Tiller, Power Steering				8M0134607(16)	Black	N/A
	Big Tiller, non-Power Steer				8M0093581(16)	Black	N/A
90 FourStroke	4 cyl. Carb	2000 - 2003	USA	OG960500 - 0T800749	816366A42	Black	N/A
90 FourStroke	4 cyl. Carb w/EZ shift gearcase	2004 - 2005	USA	0T800750 - 1B226999	816366A32 (17)	Black	N/A
90 FourStroke	4 cylinder, EFI	2005	USA	0T980000 - 1B226999	N.L.A.(8)	Black	N/A
90 FourStroke	4 cylinder, EFI	2006	USA	1B227000 - 1B366822	N.L.A.	Black	N/A
90 FourStroke, 1.7L	4 cylinder, EFI, Traditional Tiller	2006 - 2014	USA	1B366823 - 2B094955	816366A52	Black	N/A
	Big Tiller, Power Steering				8M0134607(16)	Black	N/A
	Big Tiller, non-Power Steer				8M0093581(16)	Black	N/A
100		1997 - 1999	USA	0G449551 - 0G965520	12022A41	Black	N/A
			BEL	9934128 - 0P058999			
115		1997 - 2019	USA	0G449551 and up	12022A41	Black	N/A
			BEL	9934128 and up			
115 Optimax	1.5L, DFI	2004 - 2005	USA	0T801000 - 1B226999	896648A07	Black	N/A
115 Optimax	1.5L, DFI	2006 - 2019	USA	1B227000 and up	896648A09	Black	N/A
	Big Tiller, Power Steering				8M0134607(16)	Black	N/A
	Big Tiller, non-Power Steer				8M0093581(16)	Black	N/A
115 FourStroke	EFI	2001 - 2003	USA	0T178500 - 0T800749	816366A42	Black	N/A
115 FourStroke	EFI	2004 - 2005	USA	0T800750 - 1B226999	816366A32 (17)	Black	N/A
115 FourStroke	EFI	2006	USA	1B227000 - 1B366822	N.L.A.	Black	N/A
115 FourStroke, 1.7L	EFI	2006 - 2014	USA	1B366823 - 2B094955	816366A52	Black	N/A
	Big Tiller, Power Steering				8M0134607(16)	Black	N/A
	Big Tiller, non-Power Steer				8M0093581(16)	Black	N/A
125		1997 - 2019	USA	0G449551 and up	12022A41	Black	N/A
			BEL	9934128 and up			
150 EFI FourStroke	Non-DTS, Big Tiller, Power Steering	2011 - 2019	USA		8M0134604(16)	Black	N/A
135-250 Optimax	Non-DTS, Big Tiller, Power Steering	2006 - 2019	USA	1B227000 and up	8M0134607(16)	Black	N/A

Model	Model Notes	Year Range		Serial # Range	Tiller Handle Kit Part Number	Handle Color	Shift Attaching Kit
135-200 L4 Verado	DTS, Big Tiller, Power Steering	2006 - 2019	USA	1B227000 and up	8M0134609(16)	Black	N/A

- (1) Tiller handle harness button 87-823609A 7 or transom mounted keyswitch 15000A 7 required to complete conversion.
- (2) Conversion of power trim models will require a suitable power trim switch.
- (3) Keyswitch panel 47974A10 required to complete conversion.
- (4) Transom mounted ignition keyswitch 15000A 7 required to complete conversion.
- (5) Transom mounted ignition keyswitch 15000A 7 and neutral interlock 87-813960A 4 required to complete conversion.
- (8) On-engine adapter harness 84-858740T06 also required.
- (9) Gray kits are no longer available.
- (10) Has Vertical actuated shift.
- (11) Has Rotary actuated shift.
- (12) Converts an MRC to an MH model.
- (13) Converts an ERC to an EH model. PT models may require trim switch. See part record.
- (14) Engines requiring SAE style ended throttle/shift cables.
- (15) Engines requiring Mercury style ended throttle/shift cables.
- (16) Order Throttle/Shift cables separate depending on engine application.
- (17) Available at Seaway Marine 206-937-7373 (USA) or seawaymarine.com

### **CO-PILOT KIT**

Stabilizes or restricts engine when placed in a full tilt position to aid in keeping it from bouncing and contacting other surrounding surfaces.

### **CO-PILOT KIT**



#### 898103A92

Intended for use on models that are not originally furnished with co-pilot components. The owner's manual should be consulted for important steering friction information.

Fits Mercury/Mariner 25 hp. & 30 hp. EFI FourStroke outboards (JPN 0R106999 & above, BEL 0P401000 & above).

### **CO-PILOT KIT**



Intended for use on models that are not originally furnished with co-pilot components.

15/20 EFI FourStroke outboard, 0R833820 and above.

Quicksilver Branded

### SAIL CO-PILOT KIT



### 8M0097129

Locks the engine in the straight position, allowing boat to be steered with auxiliary rudder

F4/5/6 hp Sail-Power outboards.

### **TILLER HANDLE BRACKET**

Provides attaching point for some co-pilot kits.

### TILLER HANDLE BRACKET



#### 98571A 3

Fits Mercury/Mariner 20/25 hp. 2 cycle outboards using a p/n 52148A 1 Co-Pilot kit

# STEERING BRACKET WITHOUT CARRYING HANDLE

Used with single RideGuide steering to convert tiller handle models to remote steering.

### STEERING BRACKET WITHOUT CARRYING HANDLE



### 816667A 2

Fits Mercury/Mariner 30/40 hp. (2 cyl.) 2 cycle outboards (USA 0G055314 and Newer, BEL 9854537 and Newer) and 25/30/40/45/50 hp. 4-Stroke outboards.

### **OUTBOARD RIGGING HOSE KIT**

Used to enclose remote harness, hoses, cables, etc. between engine cowl and boat transom.

### **RIGGING TUBE KIT**



### 32-8M0062693

Rigging Tube kit includes 5 ft length (2 in. dia. x 2.3 threads per inch) tube that screws into the fitting coming out of the engine. Includes new grommet 8M0061160 that is used when installing rigging tubes. Remove existing grommet from cowl and replace with this grommet..

Used on 150 EFI 4-Stroke engine only

#### 32-825191A03

Rigging Tube kit includes 5 ft length (2 in. dia. x 2.3 threads per inch) tube that screws into the fitting coming out of the Verado. If OptiMax engine, requires the use of the clamp to attach to fitting coming out of engine. Included in the kit is plastic transom fitting that screws to the tube and can be fastened to the boat. 2005 and newer Verado engines as well as all Opti Max engines

### **RIGGING HOSE**



### 32-859055 5

Replacement Hose, 2 in. dia.  $\times$  2.3 threads per inch, furnished in a 5 ft. length. Fits various Mercury / Mariner V-6 outboards. See application chart for specific engine models.

#### 32-859055 50

Replacement Hose, furnished in a 50 ft. bulk length that can be cut to required length.

Fits various Mercury / Mariner V-6 outboards. See application chart for specific engine models.

Priced individually, sold @ multiples of 2

#### **COWL FITTING**



#### 875266A 2

Used on engine end of rigging hose.

Fits various Mercury / Mariner V-6 outboards. Furnished standard with the engines beginning with model year 2,000. See application chart for specific engine models.

#### **COWL FITTING**



#### 8M8027677

Used on engine end of rigging hose.

Fits various Mercury / Mariner V-6 outboards. Furnished standard with the engines beginning with model year 2,000.

### **RIGGING TUBE KIT**



#### 32-842756T01

Mercury Racing version, the cowl fitting bolts firmly into place. Because the 2-1/2 inch tubing threads into the one piece couplers instead of over them, greater clearance is achieved for outboard rigging hardware including throttle cables, electronics cables, steering lines, and fuel lines. The durable hose and one piece couplers provide a complete seal at both the engine and boat ends. Hose length is 5 feet

Fits all production 3.0 liter V-6 EFI and OptiMax cowls as well as Racing 3.0 liter  $\mbox{\rm OptiMax}$  cowls.

### **RIGGING HOSES CHART - MERCURY/MARINER**

### Mercury/Mariner Rigging Hoses

Model	Brand	Year Range	Country	Serial # Range	Rigging Hose Kit Part Number	Cowl Fitting Required
2.0L V-6	Mercury/Mariner	1996 - 1999	USA	0G303046 - 0G949999	32-825191A03	875266A 2
2.0L V-6	Mercury/Mariner	2000 - 2019	USA	0T065504 and up	32-825191A03	Incl. With Engine
2.5L V-6	Mercury/Mariner	1996 - 1999	USA	0G303046 - 0G949999	32- <b>825191A03</b>	875266A 2
2.5L V-6	Mercury/Mariner	2000 - 2019	USA	0T065504 and up	32-825191A03	Incl. With Engine
2.5L OPTIMAX	Mercury/Mariner	1998 - 1999	USA	0G590000 - 0G949999	32-825191A03	875266A 2
2.5L OPTIMAX	Mercury/Mariner	2000 - 2019	USA	0T065504 and up	32-825191A03	Incl. With Engine
3.0L V-6	Mercury/Mariner	1994 - 1999	USA	0D280813 - 0G949999	32- <b>825191A03</b>	875266A 2
3.0L V-6	Mercury/Mariner	2000 - 2019	USA	0T014000 and up	32-825191A03	Incl. With Engine
3.0L DFI	Mercury/Mariner	1997	USA	0G386496 - 0G589999	32- <b>825191A03</b>	875266A 2
3.0L OPTIMAX	Mercury/Mariner	1998 - 1999	USA	0G590000 - 0G949999	32-825191A03	8M8027677
3.0L OPTIMAX	Mercury/Mariner	2000 - 2019	USA	0T014000 and up	32-825191A03	Incl. With Engine
225 EFI FourStroke	Mercury/Mariner	2003 - 2019	USA	0T635945 and up	32-825191A03	Incl. With Engine
Verado	Mercury/Mariner	2005 - 2019	USA	0T980000 and up	32-825191A03	Incl. With Engine
150 EFI FourStroke	Mercury/Mariner	2011 - 2019	USA	1B905505 and up	32- <b>8M0062693</b>	Incl. With Engine

### SHALLOW WATER DRIVE KIT

Provides a tilt mechanism to allow for trolling or low speed running in the sixth tilt pin position.

### SHALLOW WATER DRIVE KIT



#### 12756A 1

This kit is designed to be added to remote control models. It is furnished standard on the tiller handle models.

Fits Mercury/Mariner 20/25 hp. 2 cycle models (1986 and Newer), 9.9 hp. FourStroke models (1999-2004) and 15 hp. FourStroke (323cc).

### SIDESHIFT CONVERSION KIT

Converts a tiller handle shift to a side shift.

### SIDESHIFT CONVERSION KIT



### 821190A 1

1992 and older.

Fits Mercury / Mariner 6-15 hp. 2 cycle outboards (USA 0A197112-0D181999, BEL 9461526-9740999).

### 821190A 3

1993 and newer.

Fits Mercury/Mariner 6-15 hp. 2 cycle outboards (USA 0D182000 and Newer, BEL 9741000 and Newer).

### SIDESHIFT CONVERSION KIT



#### 821190A 2

1994 1/2 and newer.

Fits Mercury/Mariner 20/25 hp. 2 cycle outboards (USA 0G044027 and Newer, BEL 9807909 and Newer).

### **EXTENSION KIT - 5 INCH (127MM)**

A motor leg spacer kit providing 5" (127mm) of extension.

### **DRIVESHAFT EXTENSION KIT**



#### 853783A06

2005 and newer.

Painted black, converts 20" (508mm) to 25" (635mm). Fits Mercury 9.9 hp. FourStroke outboards with Standard gearcase, Model Year

### **5 INCH EXTENSION KIT**



Painted black, converts 20" (508mm) to 25" (635mm).

Fits Mercury/Mariner 9.9 hp. FourStroke, Model Year 2005 & newer, with BigFoot

### **5 INCH EXTENSION KIT**



### 8M0128829

Painted black, converts 20 inch (508mm) to 25 inch (635mm) Fits Mercury 25/30 hp fourstroke outboards, 0R106999 and up.

### **5 INCH EXTENSION KIT**



#### 12092A13

Painted black, converts 20" (508mm) to 25" (635mm).

Fits various Mercury 70-125 hp. 2 cycle outboards (1998) and Mercury / Mariner 70-125 hp. 2 cycle outboards (1999 and Newer). See application chart for specific engine models.

### **5 INCH EXTENSION KIT**

Image not Available.

#### 8M0137852

Painted black, converts 20" (508mm) to 25" (635 mm). 15/20 EFI FourStroke outboard, 0R833820 and above.

#### **5 INCH EXTENSION KIT**



### 12092A18

Painted black, converts 20" (508 mm) to 25" (635 mm). Fits Mercury/Mariner 40/50/60 Bigfoot FourStroke outboards (USA 0T178500-1B344306 & BEL 0P094500-0P400999).

#### **5 INCH EXTENSION KIT**



### 12092A19

Painted black, converts 20" (508 mm) to 25" (635 mm).

Fits Mercury/Mariner 75/90/115 FourStroke (1.7L) outboards with serial number USA 1B366823-2B094955.

### **5 INCH EXTENSION KIT**



#### 12092A20

Painted black, converts 20" (508 mm) to 25" (635 mm). Fits Mercury/Mariner 40/50/60 Bigfoot FourStroke outboards (CHN 1C050252 & above, BEL 0P401000 & above)

#### **5 INCH EXTENSION KIT**



#### 8M0105089

Painted, converts 20 in. (508MM) to 25 in. (635MM).

Fits Mercury/Mariner 75-115 FourStroke (2.1L) standard gearcase outboards beginning with serial number USA 2B094996 & Up.

### **5 INCH EXTENSION KIT**



#### 8M0105090

Painted, converts 20 in. (508MM) to 25 in. (635MM).

Fits Mercury/Mariner 75-115 FourStroke (2.1L) Command Thrust (CT) gearcase outboards beginning with serial number USA 2B094996 & Up.

### **5 INCH EXTENSION KIT**



Converts 20 inch (508mm) L model to a 25 inch (635mm) XL model. Fits the Mercury/Mariner F150 hp. EFI FourStroke 4 cylinder outboard.

### **EXTENSION KIT - 2 1/2 INCH (64MM)**

A motor leg spacer kit providing 2 1/2" (64mm) of extension.

### 2 1/2 INCH EXTENSION KIT



#### 824072A 7

Painted black, converts 20 in. (508mm) to 22 1/2 in. (572mm). Fits Mercury/Mariner 25 hp. FourStroke outboards, carb models (MY1998-2005).

### 2 1/2 INCH EXTENSION KIT



#### 824072A 3

Painted black, converts 20 in. (508mm) to 22 1/2 in. (572mm).

Fits various Mercury/Mariner 30-50 hp. 2 cycle outboards. See application chart for specific engine models.

### 2 1/2 INCH EXTENSION KIT



### 816696A 1

Painted black, converts 20 in. (508mm) to 22 1/2 in. (572mm).

Fits various Mercury/Mariner 50/55/60 hp. 2 cycle outboards. See application chart for specific engine models.

#### 2 1/2 INCH EXTENSION KIT



#### 816696A8

Painted Black, converts 20 in. (508mm) to 22 1/2 in. (572mm). Fits various Mercury 70-125 hp. 2 cycle outboards (1994-1997). See application chart for specific engine models.

#### 816696A 9

Painted gray, converts 20 in. (508mm) to 22 1/2 in. (572mm).

Fits various Mariner 70-125 hp. 2 cycle outboards (1994-1997). See application chart for specific engine models.

#### 2 1/2 INCH EXTENSION KIT



#### 816696A12

Painted black, converts 20 in. (508 mm) to 22 1/2 in. (572 mm). Fits Mercury/Mariner 40/50/60 (4 cyl.) FourStroke standard gearcase outboards (USA 0T178500-1B344306, CHN 1C000001-1C050251, BEL 0P094500-0P515896).

### 2 1/2 INCH EXTENSION KIT



#### 879150A88

Painted black, converts 20 in. (508 mm) to 22 1/2 in. (572 mm).

Fits Mercury/Mariner 50/60 (4 cyl.) FourStroke standard gearcase outboards (CHN 1C050252 and above, BEL 0P515897 and above).

# DRIVESHAFT HOUSING SPACER KITS - "NEW" V6 (3.4L) & V8 (4.6L)

### **5 INCH SPACER KIT (BLACK)**

Image not Available.

#### 8M0142779

Must purchase spacer kit and a driveshaft extension kit to do a complete installation on the NEW V6 and V8 FourStroke outboards. The max extension length available is Extra Extra Long (XXL), measuring at 76.2CM (30in.). NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

Mercury Branded

#### **5 INCH SPACER KITS (SILVER)**



#### 8M0147047

Must purchase spacer kit and a driveshaft extension kit to do a complete installation on the NEW V6 and V8 FourStroke outboards. The max extension length available is Extra Extra Long (XXL), measuring at 76.2CM (30in.). NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

Mercury Branded

### 10 INCH SPACER KIT (BLACK)

Image not Available.

### 8M0142787

Must purchase spacer kit and a driveshaft extension kit to do a complete installation on the NEW V6 and V8 FourStroke outboards. The max extension length available is Extra Extra Long (XXL), measuring at 76.2CM (30in.). NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

Mercury Branded

### 10 INCH SPACER KIT (SILVER)



#### 8M0147046

Must purchase spacer kit and a driveshaft extension kit to do a complete installation on the NEW V6 and V8 FourStroke outboards. The max extension length available is Extra Extra Long (XXL), measuring at 76.2CM (30in.). NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

Mercury Branded

# DRIVESHAFT HOUSING EXTENSION KITS - "NEW" V6 (3.4L) & V8 (4.6L)

### **DRIVESHAFT EXTENSION KIT - L**

Image not Available.

#### 98-8M0146062

 $4.8\,\mathrm{ln}$ , gearcase long shaft  $50.8\mathrm{cm}$  (20in.). Must also purchase spacer kit to do complete extension installation.

NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

Mercury Branded

#### **DRIVESHAFT EXTENSION KIT - XL**

#### 98-8M0146063

4.8In. gearcase extra long shaft 63.5cm (25in.). Must also purchase spacer kit to do complete extension installation.

NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

Mercury Branded

### **DRIVESHAFT EXTENSION KIT - XXL**

#### 98-8M0146064

4.8in. gearcase extra extra long 76.2cm (30in.). Must also purchase spacer kit to do complete extension installation.

NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

Mercury Branded

#### **DRIVESHAFT EXTENSION KIT - L**

#### 98-8M0146065

5.44in. gearcase long shaft 50.8cm (20in.). Must also purchase spacer kit to do complete extension installation.

NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

#### DRIVESHAFT EXTENSION KIT - XL

#### 98-8M0146066

5.44in. gearcase extra long 63.5cm (25in.). Must also purchase spacer kit to do complete extension installation.

NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

Mercury Branded

### **DRIVESHAFT EXTENSION KIT - XXL**

Image not Available.

#### 98-8M0146067

5.44in. gearcase extra extra long 76.2cm (30in.). Must also purchase spacer kit to do complete extension installation.

NEW V6 (3.4L) & V8 (4.6L) FourStroke outboards. The XXL driveshaft option cannot be installed on the standard 300HP CMS egnines, however it can be installed on the 300HP SeaPro.

Mercury Branded

### **DRIVESHAFT EXTENSION CHART**

#### Mercury/Mariner/Force/Chrysler Extension Kits

Model	Brand	Model Note	Year Range		Serial # Range	Converts 15 Inch (381 mm) To 20 Inch (508 mm)	Converts 20 Inch (508 mm) To 22 1/2 Inch (572 mm)	Converts 20 Inch (508 mm) To 25 Inch (635 mm)	Color
3.5	Chrysler			USA		N.L.A.	N/A	N/A	Unpainted
4	Chrysler			USA		N.L.A.	N/A	N/A	Unpainted
4	Force		1984 - 1987	USA	E000001 and up	N.L.A.	N/A	N/A	Unpainted
4	Mercury	With thru hub exhaust	1987 - 1998	USA	0A809601 - 0G710612	N.L.A.	N/A	N/A	Black
4	Mercury	With thru hub exhaust	1987 - 1998	BEL	9477830 - 0P016999	N.L.A.	N/A	N/A	Black
4	Mariner	With thru hub exhaust	1987 - 1998	USA	0A809601 - 0G710613	N.L.A.	N/A	N/A	Black
4	Mariner	With thru hub exhaust	1987 - 1998	BEL	9477830 - 0P016999	N.L.A.	N/A	N/A	Black
4	Mercury/Mariner		1999 - 2019	USA	0G710613 and up	N.L.A.	N/A	N/A	Black
4	Mercury/Mariner		1999 - 2019	BEL	0P017000 and up	N.L.A.	N/A	N/A	Black
4 FourStroke	Mercury/Mariner		1999 - 2019	JPN	0R000001 and up	N.L.A.	N/A	N/A	Black
4 FourStroke	Mercury/Mariner		1999 - 2019	BEL	0P073456 and up	N.L.A.	N/A	N/A	Black
5	Force		1988 - 2019	USA	E000001 and up		N/A	N/A	Unpainted
5	Mercury	With thru hub exhaust	1987 - 1998	USA	0A809601 - 0G710612	N.L.A.	N/A	N/A	Black
5	Mercury	With thru hub exhaust	1987 - 1998	BEL	9477830 - 0P016999	N.L.A.	N/A	N/A	Black
5	Mariner	With thru hub exhaust	1987 - 1998	USA	0A809601 - 0G710612	N.L.A.	N/A	N/A	Black
5	Mariner	With thru hub exhaust	1987 - 1998	BEL	9477830 - 0P016999	N.L.A.	N/A	N/A	Black
5	Mercury/Mariner		1999 - 2019	USA	0G710613 and up	N.L.A.	N/A	N/A	Black
5	Mercury/Mariner		1999 - 2019	BEL	0P017000 and up	N.L.A.	N/A	N/A	Black
5 FourStroke	Mercury/Mariner		1999 - 2019	JPN	0R000001 and up	N.L.A.	N/A	N/A	Black
5 FourStroke	Mercury/Mariner		1999 - 2019	BEL	0P073456 and up	N.L.A.	N/A	N/A	Black
6	Mercury		1986 - 1993	USA	0A197112 - 0D280999	N/A	N/A	N.L.A.	Black

Model	Brand	Model Note	Year Range		Serial # Range	Converts 15 Inch (381 mm) To 20 Inch (508 mm)	Converts 20 Inch (508 mm) To 22 1/2 Inch (572 mm)	Converts 20 Inch (508 mm) To 25 Inch (635 mm)	Color
6	Mercury		1986 - 1993	BEL	9461526 - 9792199	N/A	N/A	N.L.A.	Black
6	Mariner		1986 - 1993	USA	0A197112 - 0D280999	N/A	N/A	N.L.A.	Black
6	Mariner		1986 - 1993	BEL	9461526 - 9792199	N/A	N/A	N.L.A.	Black
6	Mercury		1994	USA	0D281000 - 0G077360	N/A	N/A	N.L.A.	Black
6	Mercury		1994	BEL	9792200 - 9831799	N/A	N/A	N.L.A.	Black
6	Mariner		1994	USA	0D281000 - 0G077360	N/A	N/A	N.L.A.	Gray
6	Mariner		1994	BEL	9792200 - 9831799	N/A	N/A	N.L.A.	Gray
6	Mercury		1995 - 1998	USA	0G077361 - 0G760299	N/A	N/A	N.L.A.	Black
6	Mercury		1995 - 1998	BEL	9831800 - 0P016999	N/A	N/A	N.L.A.	Black
6	Mariner		1995 - 1998	USA	0G077361 - 0G760299	N/A	N/A	N.L.A.	Gray
6	Mariner		1995 - 1998	BEL	9831800 - 0P016999	N/A	N/A	N.L.A.	Gray
6	Mercury/Mariner		1999 - 2003	USA	0G760300 - 0T800749	N/A	N/A	N.L.A.	Black
6	Mercury/Mariner		1999 - 2003	BEL	0P017000 and up	N/A	N/A	N.L.A.	Black
6 FourStroke	Mercury/Mariner		1999 - 2019	JPN	0R000001 and up	N.L.A.	N/A	N/A	Black
6 FourStroke	Mercury/Mariner		1999 - 2019	BEL	0P073456 and up	N.L.A.	N/A	N/A	Black
8	Mercury		1986 - 1993	USA	0A197112 - 0D280999	N/A	N/A	N.L.A.	Black
8	Mercury		1986 - 1993	BEL	9461526 - 9792199	N/A	N/A	N.L.A.	Black
8	Mariner		1986 - 1993	USA	0A197112 - 0D280999	N/A	N/A	N.L.A.	Black
8	Mariner		1986 - 1993	BEL	9461526 - 9792199	N/A	N/A	N.L.A.	Black
8	Mercury		1994	USA	0D281000 - 0G077360	N/A	N/A	N.L.A.	Black
8	Mercury		1994	BEL	9792200 - 9831799	N/A	N/A	N.L.A.	Black
8	Mariner		1994	USA	0D281000 - 0G077360	N/A	N/A	N.L.A.	Gray
8	Mariner		1994	BEL	9792200 - 9831799	N/A	N/A	N.L.A.	Gray
8	Mercury		1995 - 1998	USA	0G077361 - 0G760299	N/A	N/A	N.L.A.	Black
8	Mercury		1995 - 1998	BEL	9831800 - 0P016999	N/A	N/A	N.L.A.	Black
8	Mariner		1995 - 1998	USA	0G077361 - 0G760299	N/A	N/A	N.L.A.	Gray
8	Mariner		1995 - 1998	BEL	9831800 - 0P016999	N/A	N/A	N.L.A.	Gray
8	Mercury/Mariner		1999 - 2006	USA	0G760300 and up	N/A	N/A	N.L.A.	Black
8	Mercury/Mariner		1999 - 2006	BEL	0P017000 and up	N/A	N/A	N.L.A.	Black
8 FourStroke	Mercury	232 CC.	1995 - 1998	USA	0H000058 - 0H017099	N/A	N/A	N.L.A.	Black
8 FourStroke	Mariner	232 CC.	1995 - 1998	USA	0H000058 - 0H017099	N/A	N/A	N.L.A.	Gray
8 FourStroke	Mercury/Mariner	232 CC.	1999	USA	0H017100 - 0H017349	N/A	N/A	N.L.A.	Black
8 FourStroke	Mercury/Mariner	232 CC.	1999 - 2000	USA	0G760300 and up	N/A	N/A	N.L.A.	Black
8 FourStroke	Mercury/Mariner	323 CC.	2001 - 2004	BEL	0P086824 - 0P325499	N/A	N/A	N.L.A.	Black
8 FourStroke	Mercury/Mariner		2005 - 2019	JPN	0R042475 and up	N/A	N/A	853783A06	Black
8 FourStroke	Mercury/Mariner		2005 - 2019	BEL	0P325500 and up	N/A	N/A	853783A06	Black
9.9	Chrysler	Low profile only.		USA		N.L.A.	N/A	N/A	N/A
9.9	Force	Low profile only.		USA	E000001 and up	N.L.A.	N/A	N/A	N/A
9.9	Mercury	zon promo omy.	1986 - 1993	USA	0A197112 - 0D280999	N/A	N/A	N.L.A.	Black
9.9	Mercury		1986 - 1993	BEL	9461526 - 9792199	N/A	N/A	N.L.A.	Black
9.9	Mariner		1986 - 1993	USA	0A197112 - 0D280999	N/A	N/A	N.L.A.	Black
9.9	Mariner		1986 - 1993	BEL	9461526 - 9792199	N/A	N/A	N.L.A.	Black
9.9	Mercury		1994	USA	0D281000 - 0G077360	N/A	N/A	N.L.A.	Black
9.9	Mercury		1994	BEL	9792200 - 9831799	N/A	N/A	N.L.A.	Black
9.9	Mariner		1994	USA	0D281000 - 0G077360	N/A	N/A	N.L.A.	Gray
9.9	Mariner		1994	BEL	9792200 - 9831799	N/A	N/A	N.L.A.	Gray
9.9	Mercury		1995 - 1998	USA	0G077361 - 0G760299	N/A	N/A	N.L.A.	Black
9.9	Mercury		1995 - 1998	BEL	9831800 - 0P016999	N/A	N/A	N.L.A.	Black
9.9	-		1995 - 1998				N/A N/A		
9.9	Mariner Mariner		1995 - 1998 1995 - 1998	USA BEL	0G077361 - 0G760299 9831800 - 0P016999	N/A N/A	N/A N/A	N.L.A. N.L.A.	Gray
9.9			1995 - 1998			N/A	N/A	N.L.A.	Gray
9.9	Mercury/Mariner		1999 - 2006 1999 - 2006	USA	0G760300 and up			N.L.A. N.L.A.	Black
	Mercury/Mariner	332 CC		BEL	0P017000 and up	N/A	N/A		Black
9.9 FourStroke	iviercury	232 CC.	1995 - 1998	USA	0H000058 - 0H016909	N/A	N/A	N.L.A.	Black

Model	Brand	Model Note	Voor Bongo		Serial # Range	Converte 15 Inch	Converte 20 Inch	Converte 20 Inch	Color
Model	Dranu	model Note	Year Range		Seriai # Kange	Converts 15 Inch (381 mm) To 20 Inch (508 mm)	Converts 20 Inch (508 mm) To 22 1/2 Inch (572 mm)	Converts 20 Inch (508 mm) To 25 Inch (635 mm)	Color
9.9 FourStroke	Mariner	232 CC.	1995 - 1998	USA	0H000058 - 0H016909	N/A	N/A	N.L.A.	Gray
9.9 FourStroke	Mercury/Mariner	323 CC.	1999 - 2004	USA	0G760300 - 0T979999	N/A	N/A	N.L.A.	Black
9.9 FourStroke	Mercury/Mariner	323 CC.	1999 - 2004	BEL	0P075166 - 0P325499	N/A	N/A	N.L.A.	Black
9.9 FourStroke	Mercury/Mariner	Standard Gearcase	2005 - 2019	JPN	0R042475 and up	N/A	N/A	853783A06	Black
9.9 FourStroke	Mercury/Mariner	Standard Gearcase	2005 - 2019	BEL	0P325500 and up	N/A	N/A	853783A06	Black
9.9 FourStroke	Mercury/Mariner	BigFoot Gearcase	2005 - 2019	JPN	0R052328 and up	N/A	N/A	853783A05	Black
9.9 FourStroke	Mercury/Mariner	BigFoot Gearcase	2005 - 2019	BEL	0P325500 and up	N/A	N/A	853783A05	Black
12.9	Chrysler		1968 - 1983	USA		N.L.A	N/A	N/A	N/A
15	Force	Low profile only.	1984 - 1997	USA	E000001 - E287999	N.L.A.	N/A	N/A	N/A
15	Mercury		1986 - 1993	USA	0A197112 - 0D280999	N/A	N/A	N.L.A.	Black
15	Mercury		1986 - 1993	BEL	9461526 - 9792199	N/A	N/A	N.L.A.	Black
15	Mariner		1986 - 1993	USA	0A197112 - 0D280999	N/A	N/A	N.L.A.	Black
15	Mariner		1986 - 1993	BEL	9461526 - 9792199	N/A	N/A	N.L.A.	Black
15	Mercury		1994	USA	0D281000 - 0G077360	N/A	N/A	N.L.A.	Black
15	Mercury		1994	BEL	9792200 - 9831799	N/A	N/A	N.L.A.	Black
15	Mariner		1994	USA	0D281000 - 0G077360	N/A	N/A	N.L.A.	Gray
15	Mariner		1994	BEL	9792200 - 9831799	N/A	N/A	N.L.A.	Gray
15	Mercury		1995 - 1998	USA	0G077361 - 0G760299	N/A	N/A	N.L.A.	Black
15	Mercury		1995 - 1998	BEL	9831800 - 0P016999	N/A	N/A	N.L.A.	Black
15	Mariner		1995 - 1998	USA	0G077361 - 0G760299	N/A	N/A	N.L.A.	Gray
15	Mariner		1995 - 1998	BEL	9831800 - 0P016999	N/A	N/A	N.L.A.	Gray
15	Mercury/Mariner		1999 - 2006	USA	0G760300 and up	N/A	N/A	N.L.A.	Black
15	Mercury/Mariner		1999 - 2006	BEL	0P017000 and up	N/A	N/A	N.L.A.	Black
15 FourStroke	Mercury		1998	USA	0G590000 - 0G760299	N/A	N/A	N.L.A.	Black
15 FourStroke	Mariner		1998	USA	0G590000 - 0G760299	N/A	N/A	N.L.A.	Gray
15 FourStroke	Mercury/Mariner	323cc	1999 - 2008	USA	0G760300 and up	N/A	N/A	N.L.A.	Black
15 FourStroke	Mercury/Mariner	323cc	1999 - 2008	BEL	0P075166 and up	N/A	N/A	N.L.A.	Black
15 EFI FourStroke	Mercury/Mariner		2017 - 2019	JPN	0R833820 and up	N/A	N/A	8M0137852	Black
20 EFI FourStroke	Mercury/Mariner		2017 - 2019	JPN	0R833820 and up	N/A	N/A	8M0137852	Black
25 (4-Stroke)	Mercury/Mariner	Carb Model Only	1998 - 2005	USA	0G590000 - 1B344298	N/A	824072A 7	N/A	Black
30/40	Mercury	2 cylinder	1994 - 1998	USA	0G055314 - 0G760299	N/A	824072A 3	N/A	Black
30/40	Mercury	2 cylinder	1994 - 1998	BEL	9854537 - 0P016999	N/A	824072A 3	N/A	Black
30/40	Mariner	2 cylinder	1994 - 1998	USA	0G055314 - 0G760299	N/A	N.L.A.	N/A	Gray
30/40	Mariner	2 cylinder	1994 - 1998	BEL	9854537 - 0P016999	N/A	N.L.A.	N/A	Gray
30/40	Mercury/Mariner	2 cylinder	1999 - 2006	USA	0G760300 and up	N/A	824072A 3	N/A	Black
30/40	Mercury/Mariner	2 cylinder	1999 - 2006	BEL	0P017000 and up	N/A	824072A 3	N/A	Black
30 FourStroke	Mercury/Mariner	3 cylinder	1999 - 2005	USA	0G760300 - 1B226999	N/A	N.L.A.	N/A	Black
40	Mercury	3 cylinder, 59 CID	1997 1/2 - 1998	USA	0G531301 - 0G760299	N/A	824072A 3	N/A	Black
40	Mercury	3 cylinder, 59 CID	1997 1/2 - 1998	BEL	9973100 - 0P016999	N/A	824072A 3	N/A	Black
40	Mariner	3 cylinder, 59 CID	1997 1/2 - 1998	USA	0G531301 - 0G760299	N/A	N.L.A.	N/A	Gray
40	Mariner	3 cylinder, 59 CID	1997 1/2 - 1998	BEL	9973100 - 0P016999	N/A	N.L.A.	N/A	Gray
40	Mercury/Mariner	3 cylinder, 59 CID	1999 - 2006	USA	0G760300 and up	N/A	824072A 3	N/A	Black
40	Mercury/Mariner	3 cylinder, 59 CID	1999 - 2006	BEL	0P017000 and up	N/A	824072A 3	N/A	Black
40 FourStroke	•	4 cylinder	1995 - 1998	USA	0G231123 - 0G760299	N/A	N.L.A.	N/A	Black
40 FourStroke		4 cylinder	1995 - 1998	USA	0G231123 - 0G760299	N/A	N.L.A.	N/A	Gray
	Mercury/Mariner	4 cylinder	1999 - 2000	USA	0G760300 and up	N/A	N.L.A.	N/A	Black
	Mercury/Mariner	4 Cylinder with BigFoot gearcase 996 cc.	2001 - 2006	USA	0T178500 - 1C050251	N/A	N/A	12092A18	Black
40 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2001 - 2006	BEL	0P094500 - 0P400999	N/A	N/A	12092A18	Black

Model	Brand	Model Note	Year Range		Serial # Range	Converts 15 Inch (381 mm) To 20 Inch (508 mm)	Converts 20 Inch (508 mm) To 22 1/2 Inch (572 mm)	Converts 20 Inch (508 mm) To 25 Inch (635 mm)	Color
40 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2006 - 2019	CHN	1C050252 and up	N/A	N/A	12092A20	Black
40 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2006 - 2019	BEL	0P401000 and up	N/A	N/A	12092A20	Black
40 FourStroke	Mercury/Mariner	3 cylinder	1999 - 2005	USA	0G760300 - 1B226999	N/A	N.L.A.	N/A	Black
40 FourStroke	Mercury/Mariner	3 cylinder, BigFoot	2000 - 2005	USA	0G960500 - 1B226999	N/A	N/A	N.L.A.	Black
45 FourStroke	Mercury	4 cylinder	1995 - 1998	USA	0G231123 - 0G760299	N/A	N.L.A.	N/A	Black
45 FourStroke	Mariner	4 cylinder	1995 - 1998	USA	0G231123 - 0G760299	N/A	N.L.A.	N/A	Gray
45 FourStroke	Mercury/Mariner	4 cylinder	1999 - 2000	USA	0G760300 and up	N/A	N.L.A.	N/A	Black
50	Mercury	3 cylinder, 51.8 CID	1991 - 1997	USA	0D000750 - 0G589999	N/A	816696A 1	N/A	Black
50	Mercury	3 cylinder, 51.8 CID	1991 - 1997	BEL	9682500 - 9973099	N/A	816696A 1	N/A	Black
50	Mariner	3 cylinder, 51.8 CID	1991 - 1997	USA	0D000750 - 0G589999	N/A	N.L.A.	N/A	Gray
50	Mariner	3 cylinder, 51.8 CID	1991 - 1997	BEL	9682500 - 9973099	N/A	N.L.A.	N/A	Gray
50	Mercury	3 cylinder, 59 CID	1998	USA	0G590000 - 0G760299	N/A	824072A 3	N/A	Black
50	Mercury	3 cylinder, 59 CID	1998	BEL	9973100 - 0P016999	N/A	824072A 3	N/A	Black
50	Mariner	3 cylinder, 59 CID	1998	USA	0G590000 - 0G760299	N/A	N.L.A.	N/A	Gray
50	Mariner	3 cylinder, 59 CID	1998	BEL	9973100 - 0P016999	N/A	N.L.A.	N/A	Gray
50	Mercury/Mariner	3 cylinder, 59 CID	1999 - 2006	USA	0G760300 and up	N/A	824072A 3	N/A	Black
50	Mercury/Mariner	3 cylinder, 59 CID	1999 - 2006	BEL	0P017000 and up	N/A	824072A 3	N/A	Black
50 FourStroke	Mercury	4 cylinder	1995 - 1998	USA	0G231123 - 0G760299	N/A	N.L.A.	N/A	Black
50 FourStroke	Mariner	4 cylinder	1995 - 1998	USA	0G231123 - 0G760299	N/A	N.L.A.	N/A	Gray
50 FourStroke	Mercury/Mariner	4 cylinder	1999 - 2000	USA	0G760300 - 0T178499	N/A	N.L.A.	N/A	Black
50 FourStroke	Mercury/Mariner	BigFoot	1998 - 2000	USA	0G590000 - 0T178499	N/A	N/A	N.L.A.	Black
50 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2001 - 2006	USA	0T178500 - 1B344306	N/A	816696A12	N/A	Black
50 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2006	CHN	1C000001 - 1C050251	N/A	816696A12	N/A	Black
50 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2001 - 2006	BEL	0P094500 - 0P515896	N/A	816696A12	N/A	Black
50 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2006 - 2019	CHN	1C050252 and up	N/A	879150A88	N/A	N/A
50 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2006 - 2019	BEL	0P515897 and up	N/A	879150A88	N/A	N/A
50 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2001 - 2006	USA	0T178500 - 1B344306	N/A	N/A	12092A18	Black
50 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2001 - 2006	BEL	0P094500 - 0P400999	N/A	N/A	12092A18	Black
50 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2006 - 2019	CHN	1C050252 and up	N/A	N/A	12092A20	Black
	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2006 - 2019	BEL	0P401000 and up	N/A	N/A	12092A20	Black
55/60	Mercury	3 cylinder	1991 - 1998	USA	0D000750 - 0G760299	N/A	816696A 1	N/A	Black
55/60	Mercury	3 cylinder	1991 - 1998	BEL	9682500 - 0P016999	N/A	816696A 1	N/A	Black
55/60	Mariner	3 cylinder	1991 - 1998	USA	0D000750 - 0G760299	N/A	N.L.A.	N/A	Gray
55/60	Mariner	3 cylinder	1991 - 1998	BEL	9682500 - 0P016999	N/A	N.L.A.	N/A	Gray
55/60	Mercury/Mariner	3 cylinder	1999 - 2006	USA	0G760300 and up	N/A	816696A 1	N/A	Black
55/60	Mercury/Mariner	3 cylinder	1999 - 2006	BEL	0P017000 and up	N/A	816696A 1	N/A	Black
60 Work	Mercury	BigFoot	1994 - 1998	USA	0D279350 - 0G760299	N/A	N.L.A.	N/A	Black
60 Work	Mercury	BigFoot	1994 - 1998	BEL	9793445 - 0P016999	N/A	N.L.A.	N/A	Black
60 Work	Mariner	BigFoot	1994 - 1998	USA	0D279350 - 0G760299	N/A	N.L.A.	N/A	Gray
60 Work	Mariner	BigFoot	1994 - 1998	BEL	9793445 - 0P016999	N/A	N.L.A.	N/A	Gray
60 Work	Mercury/Mariner	BigFoot	1999 - 2006	USA	0G760300 and up	N/A	N.L.A.	N/A	Black
60 Work	Mercury/Mariner	BigFoot	1999 - 2006	BEL	0P017000 and up	N/A	N.L.A.	N/A	Black
60 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2001 - 2006	USA	0T178500 - 1B344306	N/A	816696A12	N/A	Black
60 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2006	CHN	1C000001 - 1C050251	N/A	816696A12	N/A	Black

Model	Brand	Model Note	Year Range		Serial # Range	Converts 15 Inch	Converts 20 Inch	Converts 20 Inch	Color
Model	Diana	model Note	rear Range		Jenai # Range	(381 mm) To 20 Inch (508 mm)	(508 mm) To 22 1/2 Inch (572 mm)	(508 mm) To 25 Inch (635 mm)	00101
60 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2001 - 2006	BEL	0P094500 - 0P515896	N/A	816696A12	N/A	Black
60 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2006 - 2019	CHN	1C050251 and up	N/A	879150A88	N/A	N/A
60 FourStroke	Mercury/Mariner	4 cylinder with standard gearcase 996 cc.	2006 - 2019	BEL	0P515897 and up	N/A	879150A88	N/A	N/A
60 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2001 - 2006	USA	0T178500 - 1B344306	N/A	N/A	12092A18	Black
60 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2001 - 2006	BEL	0P094500 - 0P400999	N/A	N/A	12092A18	Black
60 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2006 - 2019	CHN	1C050252 and up	N/A	N/A	12092A20	Black
60 FourStroke	Mercury/Mariner	4 cylinder with BigFoot gearcase 996 cc.	2006 - 2019	BEL	0P401000 and up	N/A	N/A	12092A20	Black
70/75/80/90	Mercury	3 cylinder	1987 - 1993	USA	0A996142 - 0G283221	N/A	N/A	N.L.A.	Black
70/75/80/90	Mercury	3 cylinder	1987 - 1993	BEL	9483121 - 9793576	N/A	N/A	N.L.A.	Black
70/75/80/90	Mariner	3 cylinder	1987 - 1993	USA	0A996142 - 0G283221	N/A	N/A	N.L.A.	Black
70/75/80/90	Mariner	3 cylinder	1987 - 1993	BEL	9483121 - 9793576	N/A	N/A	N.L.A.	Black
70/75/80/90	Mercury	3 cylinder	1994 - 1997	USA	0G283222 - 0G589999	N/A	816696A 8	N.L.A.	Black
70/75/80/90	Mercury	3 cylinder	1994 - 1997	BEL	9793577 - 9973099	N/A	816696A 8	N.L.A.	Black
70/75/80/90	Mariner	3 cylinder	1994 - 1997	USA	0G283222 - 0G589999	N/A	816696A 9	N.L.A.	Black
70/75/80/90	Mariner	3 cylinder	1994 - 1997	BEL	9793577 - 9973099	N/A	816696A 9	N.L.A.	Black
75/90	Mercury	3 cylinder	1998	USA	0G590000 - 0G760299	N/A		12092A13	Black
75/90	Mercury	3 cylinder	1998	BEL	9973100 - 0P016999	N/A		12092A13	Black
75/90	Mariner	3 cylinder	1998	USA	0G590000 - 0G760299	N/A		N.L.A.	Gray
75/90	Mariner	3 cylinder	1998	BEL	9973100 - 0P016999	N/A		N.L.A.	Gray
75/90	Mercury/Mariner	3 cylinder	1999 - 2006	USA	0G760300 and up	N/A		12092A13	Black
75/90			1999 - 2006	BEL	·	N/A		12092A13	Black
75/90 75/90 FourStroke	Mercury/Mariner Mercury/Mariner	3 cylinder 4 cylinder, 1.7L	2006 - 2014	USA	0P017000 and up 1B366823 - 2B094995	N/A	N/A	12092A13	Black
75-100 FourStroke	Mercury/Mariner	2.1L, Standard	2014 - 2019	USA	2B094996 and up	N/A	N/A	8M0105089	Black
75-100 FourStroke	Mercury/Mariner	2.1L, Command Thrust	2014 - 2019	USA	2B094996 and up	N/A	N/A	8M0105090	Black
100/115/125	Mercury	4 cylinder	1987 - 1993	USA	0A996142 - 0G283221	N/A	N/A	N.L.A.	Black
100/115/125	Mercury	4 cylinder	1987 - 1993	BEL	9483121 - 9793576	N/A	N/A	N.L.A.	Black
100/115/125	Mariner	4 cylinder	1987 - 1993	USA	0A996142 - 0G283221	N/A	N/A	N.L.A.	Black
100/115/125	Mariner	4 cylinder	1987 - 1993	BEL	9483121 - 9793576	N/A	N/A	N.L.A.	Black
100/115/125	Mercury	4 cylinder	1994 - 1997	USA	0G283222 - 0G589999	N/A	816696A 8	N.L.A.	Black
100/115/125	Mercury	4 cylinder	1994 - 1997	BEL	9793577 - 9973099	N/A	816696A 8	N.L.A.	Black
100/115/125	Mariner	4 cylinder	1994 - 1997	USA	0G283222 - 0G589999	N/A	816696A 9	N.L.A.	Black
100/115/125	Mariner	4 cylinder	1994 - 1997	BEL	9793577 - 9973099	N/A	816696A 9	N.L.A.	Black
100/115/125	Mercury	4 cylinder	1998	USA	0G590000 - 0G760299	N/A		12092A13	Black
100/115/125	Mercury	4 cylinder	1998	BEL	9973100 - 0P016999	N/A		12092A13	Black
100/115/125	Mariner	4 cylinder	1998	USA	0G590000 - 0G760299	N/A		N.L.A.	Gray
100/115/125	Mariner	4 cylinder	1998	BEL	9973100 - 0P016999	N/A		N.L.A.	Gray
100/115/125	Mercury/Mariner	4 cylinder	1999 - 2006	USA	0G760300 and up	N/A		12092A13	Black
100/115/125	Mercury/Mariner	4 cylinder	1999 - 2006	BEL	0P017000 and up	N/A		12092A13	Black
115 FourStroke	Mercury/Mariner	4 cylinder, 1.7L	2006 - 2014	USA	1B366823 - 2B094955	N/A	N/A	12092A19	Black
115 FourStroke	Mercury/Mariner	2.1L, Standard	2014 - 2019	USA	2B094996 and up	N/A	N/A	8M0105089	Black
115 FourStroke	Mercury/Mariner	2.1L, Command Thrust	2014 - 2019	USA	2B094996 and up	N/A	N/A	8M0105090	Black
150 EFI FourStroke	Mercury/Mariner	4 cylinder	2011 - 2019	USA	1B905505 and up	N/A	N/A	8M0105087	Black

# **OUTBOARD MOUNTING HARDWARE**

Used for permanent mounting of an engine to the boat transom.

#### TRANSOM SUPPORT BRACKET



#### 67-896305001

Used to reinforce the transom-transom bolts and washers used with this bracket to strengthen the transom area where the engine in mounted.

#### TRANSOM SUPPORT WASHER



#### 67-896392

Used to reinforce the transom- transom bolts and washers used with this reinforced washer to strengthen the transom area where the engine in mounted.

# **MOUNTING BOLT**



#### 10-67755 1

Standard 4 1/2" Length Mounting Bolt (2.25 in. thread)

Fits current Mercury/Mariner 40 hp. thru V-6 outboards (2-cycle and FourStroke), and also fits Force 40-120 hp. outboards (USA 0E009500 and Newer). Furnished standard with the 135-175 hp. Verado outboards.

#### **MOUNTING BOLT**



#### 10-67755 2

Optional 6 1/2" Length Mounting Bolt (2.75 in. thread)

Fits current Mercury/Mariner 40 hp. and above outboards (2 cycle and FourStroke), and also fits Force 40-120 hp. outboards (USA 0E009500 and Newer).

#### **MOUNTING BOLT**



#### 10-67755005

Stainless mounting bolt, 2.5 in. (1.25 in. thread)

# 10-8M0131814

Stainless mounting bolt, 3.5 in. (1.25 in. thread)

# **MOUNTING BOLT**



#### 10-814259

Stainless mounting bolt 1/2 in. x 4.00 in. (2.25 in. Thread)

#### **MOUNTING BOLT**



#### 10-8M0028080

Optional 7 1/2" Length Mounting Bolt (2.75 in. thread)

Fits current Mercury/Mariner 40 hp. and above outboards (2 cycle and FourStroke), and also fits Force 40-120 hp. outboards (USA 0E009500 and Newer).

#### **MOUNTING BOLT**



#### 10-8M0032860

Stainless mounting bolt, 8 in. (2.75 in. thread)

#### 10-8M0038370

Stainless mounting bolt, 1/2 in. x 5.50 in. (3.25 in. Thread)
Shipped standard with the 200/225/250/275 hp. Verado outboard.

# **BOLT KIT-TRANSOM (HIGH STRENGTH)**



#### 10-67755A22

Bolt kit includes 4 pcs of 2-1/2 in. bolts, washers and nuts.

#### 10-67755A26

Bolt kit includes 4 pcs of 3 1/2" bolts, washers and nuts.

#### **BOLT KIT-TRANSOM**

# 10-67755A13

Bolt kit includes 4 pcs of 4-1/2 in. bolts, washers and nuts.

# 10-67755A14

Bolt kit includes 4 pcs of 5-1/2 in. bolts, washers and nuts.

# 10-67755A15

Bolt kit includes 4 pcs of 6-1/2 in. bolts, washers and nuts.

# 10-67755A17

Bolt kit includes 4 pcs of 7-1/2 in. bolts, washers and nuts.

#### 10-67755A18

Bolt kit includes 4 pcs of 8 in. bolts, washers and nuts.

#### **MOUNTING HARDWARE**



#### 56-92729A49

Includes 2 screws 10-43216, 2 washers 12-67983, and 2 nuts 11-826711-8. Will mount the Model Year 2005 and newer 8/9.9 hp. FourStroke outboards with standard gearcase or the BigFoot model without factory power trim.

#### **MOUNTING NUT KIT**



#### 98-8M0109756

Includes 6 nuts (.500-20, hex, brass) and 2 nuts with nylon inserts. Fits any Mercury outboard with a .500-20 mounting bolt and strongly recommended for use on the Verado 350/400 Hp. models.

#### **FLAT WASHER**



#### 12-28421

Stainless Steel x 1.50 in. OD

Fits current Mercury/Mariner 40 hp. thru V-6 outboards (2-cycle and FourStroke), and also fits Force 40-120 hp. outboards (USA 0E009500 and Newer). This is also the "inner" washer furnished with the 200/225/250/275 hp. Verado outboard. Priced individually, sold @ multiples of 5

#### **FLAT WASHER**



# 12-895062

Stainless washer x 1.06 in. OD

Shipped standard as the "outer" washer with the 200/225/250/275 hp. Verado outboard.

Priced individually, sold @ multiples of 2

#### **HEX NUT**



#### 11-826711 17

Hex Nylock Nut, brass

Fits current Mercury/Mariner 40 hp. thru V-6 outboards (2-cycle and FourStroke), and also fits Force 40-120 hp. outboards (USA 0E009500 and Newer). Also shipped standard with the 135-275 hp. Verado outboard.

# **OUTBOARD MOUNTING HARDWARE CHART**

Used for permanent mounting of an engine to the boat transom.

# **Transom Mounting Bolt Kit Chart**

**Outboard Mounting Hardware Chart** 

Thread Length (Inches)	Bolt Length (Inches)	Individual / Kit	Part Number
1.25	2.5	Kit	10- <b>67755A22</b>
		Individual	10- 67755005
1.25	3.5	Kit	10- <b>67755A26</b>
		Individual	10-8M0131814
2.25	4	Individual	10-814259
2.25	4.5	Kit	10- <b>67755A13</b>
		Individual	10-67755 1
3.25	5.5	Kit	10- <b>67755A14</b>
		Individual	10-8M0038370
2.75	6.5	Kit	10- <b>67755A15</b>
		Individual	10-67755 2
2.75	7.5	Kit	10- <b>67755A17</b>
		Individual	10-8M0028080
2.75	8	Kit	10- <b>67755A18</b>
		Individual	10-8M0032860

# HIGH ALTITUDE GEAR SETS & GEARCASES (V-6)

Due to a loss of horsepower at high altitudes, a lower gear reduction (higher numerical ratio) will enhance performance.

#### **HIGH ALTITUDE GEAR SET**



# 43-44102A 2

175/200 Gear Set, converts ratcheting style 1.87:1 ratio to a 2:1 ratio. Fits Mercury / Mariner 175/200 hp. V-6 outboards with ratcheting clutch.

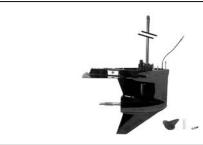
#### **SEAL KIT**



#### 26-89238A 2

Fits Mercury / Mariner 135/150 V-6 outboards (USA 0A904646 and Newer) and 175/200 V-6 outboards (USA 6618751 and Newer).

# **GEARCASE ASSEMBLY COMPLETE**



#### 1647- 9148T81

Black, 2:1 ratio. 20" long shaft. 14 pinion teeth. Standard Rotation (RH).

Fits Mercury 135-200 (2.5L) V-6 outboards

# HIGH ALTITUDE GEAR SETS & GEARCASES (4 CYLINDER)

Due to a loss of horsepower at high altitudes, a lower gear reduction (higher numerical ratio) will enhance performance.

# PINION/FORWARD GEAR ASS'Y. (WITH FORWARD BEARING)



#### 43-803500T 1

Converts to a 2.3 ratio. Reverse gear and a seal or seal & bearing kit also required. Fits Mercury/Mariner 100/115/125 hp. 2-cycle outboard (USA 0B209468 and Newer, BEL 9523034) with 3 jaw reverse clutch.

#### **REVERSE GEAR**



#### 43-850034T

Used with 6 jaw reverse clutch. Pinion/forward gear ass'y. and seal or seal & bearing kit are also required.

Fits Mercury/Mariner 100/115/125 hp. 2-cycle outboard (USA 0B209468 and Newer, BEL 9523034) with 6 jaw reverse clutch.

#### **REVERSE GEAR**



#### 43-12635T

Used with 3 jaw reverse clutch. Pinion/forward gear ass'y. and seal or seal & bearing kit are also required.

Fits Mercury/Mariner 100/115/125 hp. 2-cycle outboard (USA 0B209468 and Newer, BEL 9523034) with 3 jaw reverse clutch.

#### **SEAL & BEARING KIT (W/O FORWARD BEARING)**



#### 31-803496T 1

Fits the 2.07:1 ratio gearcase on Mercury/Mariner 75/90 (4-Stroke) and 100/115/125 (2 Cycle) with either 3 or 6 jaw reverse clutch and the original 43-19672 pinion gear. See chart for specific engine applications.

#### **GEAR HOUSING ASSEMBLY COMPLETE**



#### 1667- 9011J16

Black, 2.3:1 gear ratio. 20" long shaft length. 12 pinion teeth. Includes the newer 6 jaw reverse clutch and a new powerhead gasket with upper shift shaft for correct throw

Fits Mercury 75-125 hp. 2-cycle outboards with 3 jaw reverse clutch

# **FLUSHING ATTACHMENTS**

Allow for fresh water hook-up to the engine for running at idle or for flushing of the block. Care should be observed in using the correct application.

#### **FLUSHING ATTACHMENT**



#### 22-95633M

Fits Mariner 4-40 hp. Outboards (Japanese origin). Only for use while engine is not running.

#### **FLUSHING ATTACHMENT**



#### 16841Q02

Fits Mercury/Mariner 4/5 hp. (1 cyl.) 2 cycle outboards, F2.5/3.5 hp. FourStroke outboards, F4/5/6 FourStroke Outboards (0R411837 and below) and 8/9.9 hp. FourStroke outboards (model year 2005 & newer). Only for use when engine is not running.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **FLUSHING ATTACHMENT**



#### 8M0057047

For static flush only. Furnished with each engine. Fits the F4-5-6hp. FourStroke outboard, 0R411838 and above.

#### **FLUSHING ATTACHMENT**



Fits Mercury/Mariner 4-15 hp. 2 cycle outboard, the 4/5/6 FourStroke, and the 8/9.9/15 hp. (323cc) with standard gearcase. Will allow for running at idle speeds. Priced individually, sold @ multiples of 5

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### FLUSHING ATTACHMENT



Fits older Mercury 3.5-9.8 hp. and JET Outboards (except 20-30 hp.). Will allow for running at idle speeds on most models. Consult your owner's manual for proper operation.

# **FLUSHING ATTACHMENT**



# 44357Q 2

Will allow for running at idle speeds. Attaches to the water intakes; provides a fresh water connection when flushing the cooling system or operating the engine. Fits Mercury/Mariner 20 hp. and higher outboards, 9.9/15 hp. FourStroke (323cc) Bigfoot outboards, all Model Year 2005 and Newer 8/9.9 hp. Four Stroke outboards, 15 hp. FourStroke (351cc) outboards, all MerCruiser Sterndrives (except Bravo One Perf. & Blackhawk) and MHP Torque Master gearcases. Note: 2000 and newer V-6 outboards and MerCruiser Bravo drives with dual water pick-up also require Dual Water Pick-Up Flush Seal Kit p/n 881150Q 1. Priced individually, sold @ multiples of 4

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **DUAL WATER PICKUP FLUSH SEAL KIT**



#### 881150Q 1

Provides a front water pick-up seal for gearcases with dual water pick-ups Fits 2000 and newer Mercury/Mariner V-6 outboards with dual water pick-ups; and 2000 and newer MerCruiser Bravo One, X, XR & XZ drives with dual water

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **FLUSHING ATTACHMENT**



#### 22-820543A 1

For consumer use. Only for use while engine is not running. Fits 90/95/120 Sport-Jet.

#### REPLACEMENT CAP



#### 19-821908

For consumer use sport-jet flushing attachment.

Fits the consumer use 90/95/120 Sport-Jet flushing attachment. Standard flushing kit on the Sport Jet 175 and the 200 OptiMax, 210 and 240 EFI Jet Drives.

#### **FLUSHING KIT**



#### 22-820573

Dealer kit, flushes engine while the engine is running. This kit is not for permanent installation. It is intended as a dealer service tool aid.

Fits Sport-Jet 90/95/120 engines.

#### **COASTAL FLUSH KIT**



#### 858566A 1

Allows for the addition of a remote flush. Due to location of the flush kit, a temperature gauge can only be used with the addition of a 12415A 2 sending kit. Fits Mercury/Mariner 75-125 hp. (1993 and Newer) 2 cycle outboards. Engine can be flushed without taking boat out of the water.

# **COASTAL FLUSH KIT**



#### 858566A02

Standard on Saltwater models, this kit will add the same flushing capabilities to the non-saltwater models. Kit allows hooking a flush hose to the front of the engine. Fits the 75/90/115hp. (1.5L) OptiMax outboards beginning with the 2004 Model Year.

#### **COASTAL FLUSH KIT**



#### 858566A03

Kit allows hooking a flush hose to the front of the engine. Fits the 75-115 hp. EFI FourStroke (1.7L) outboard engine, s/n 1B366823-2B094955.

# FLUSHING ATTACHMENT



#### 848703A 1

Fits Mercury Racing CLE gearcases. Engines may be run at idle speeds.

#### **FLUSHING ATTACHMENT**



#### 8489984 1

Fits Mercury Racing Sport Master gearcases. Engines may be run at idle speeds.

# **FLUSHING KIT**



#### 22-852400

Cowl flushing attachment. Engines should not be running when flushing cooling system. Helps prevent a buildup of deposits from clogging the internal water passages.

Fits Mercury/Mariner V-6 engines equipped with flush systems.

# HIGH SPEED WATER PICKUP INSERTS

Designed to replace standard water pickup inserts, providing additional ram pressure that forces more water into the cooling system.

#### **WATER INLET**



#### 17280A 2

Recommended only where overheating is a known to be a problem, they increase the chance of debris getting caught in the water intake.

Replaces the 8-hole insert on the Mercury / Mariner 2.0L, 2.4L, 2.5L and 3.0L outboards with 4 3/4" gearcases except the 225/250 (3.0L, 1994-1996).

#### **WATER INLET**



#### 832066A 1

Recommended only where overheating is a known to be a problem, they increase the chance of debris getting caught in the water intake.

Replaces the 5-hole insert on the Mercury / Mariner 225/250 (3.0L, 1994-1996)

# **FUEL TANKS - PORTABLE - SUPER (NON-US COMPLIANT)**

Meet ABYC, CSA and UL standards. High strength blow molded construction using high density, high molecular weight polyethylene. Formulated protection against ultraviolet exposure and aging. Helps prevent fading and keeps plastic pliable for longer life.

#### SUPER 6.6 GAL (25 L) FUEL TANK



#### 1200-8M0083451

6.6 US gal (25 L) capacity, 19 in. (480 mm) x 12 1/2 in. (318 mm) x 11 1/8 in. (282mm) with "shielded" quick connect fuel outlet. Manual venting. Integral fuel level gauge.

For use with double sealed fuel connector. This tank can not be sold in areas governed by US-EPA regulations.

Quicksilver Branded

#### SUPER 6.6 US GAL (25 L) FUEL TANK



#### 1200-8M0083452

6.6 US gal (25 L) capacity, 21 3/4 in. (552 mm) x 14 1/2 in. (368 mm) x 10 in. (254 mm) with "shielded" quick connect fuel outlet. Manual venting. Integral fuel level gauge.

For use with double sealed fuel connector. This tank can not be sold in areas governed by US-EPA regulations.

Quicksilver Branded

#### REPLACEMENT CAP



#### 36-816976Q 1

Replacement cap, manual venting. Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### SUPER 3.2 US GAL (12 L) FUEL TANK



#### 1200-8M0083449

3.2 US gal (12 L) capacity, 14 1/2 in. (368 mm) x 9 3/4 in. (248 mm) x 9 in. (229 mm) with "shielded" quick connect fuel outlet. Manual venting. Integral fuel level gauge.

For use with double sealed fuel connector.

Quicksilver Branded

# FUEL TANKS - PORTABLE - PREMIUM (NON-US COMPLIANT)

Meet ABYC, CSA and UL standards. High strength blow molded construction using high density, high molecular weight polyethylene. Formulated protection against ultraviolet exposure and aging. Helps prevent fading and keeps plastic pliable for longer life.

#### PREMIUM 6.6 GAL (25 L) FUEL TANK



#### 1200-8M0047607

6.6 US gal (25 L) capacity, 19 in. (480 mm) x 12 1/2 in. (318 mm) x 11 1/8 in.

Furnished with 1/4-18 threaded fuel line fitting, and manual venting cap, and integral fuel level gauge.

This tank can not be sold in areas governed by US-EPA regulations. Quicksilver Branded

# PREMIUM 6.6 US GAL (25 L) FUEL TANK



#### 1200-8M0047603

Includes a 1/4" NPT threaded fuel line opening, a mechanical fuel gauge and top vented fuel cap.

This tank can not be sold in areas governed by US-EPA regulations. Quicksilver Branded

#### REPLACEMENT CAP WITH GAUGE



#### 823536

Combination replacement cap with gauge assembly for use with 10 in. (254 mm) deep 6.6 gallon fuel tank.

# PREMIUM 3.2 US GAL (12 L) FUEL TANK



#### 1200-8M0047599

Includes a 1/4" NPT threaded fuel line opening, a mechanical fuel gauge and top vented fuel cap.

Quicksilver Branded

# REPLACEMENT CAP WITH GAUGE



# 823535

Combination replacement cap with gauge assembly, manual venting for use with  $3.2\ \mathrm{gallon}$  fuel tank.

#### REPLACEMENT CAP



#### 36-816976Q 1

Replacement cap, manual venting.
Priced individually, sold @ multiples of 2
Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# FUEL TANKS - PORTABLE - STANDARD (NON-US COMPLIANT)

Meet ABYC, CSA and UL standards. High strength blow molded construction using high density, high molecular weight polyethylene. Formulated protection against ultraviolet exposure and aging. Helps prevent fading and keeps plastic pliable for longer life.

#### STANDARD 6.6 US GAL (25 L) FUEL TANK



## 1200-8M0057256

6.6 US gal (25 L) capacity, 19 in. (480 mm) x 12 1/2 in. (318 mm) x 11 1/8 in. (282mm). Furnished with 1/4-18 threaded fuel line fitting, and manual venting cap.

Furnished with 1/4-18 threaded fuel line fitting, and manual venting cap. This tank can not be sold in areas governed by US-EPA regulations. Quicksilver Branded

#### STANDARD 6.6 US GAL (25 L) FUEL TANK



#### 1200-8M0057254

6.6 US gal (25 L) capacity, 21 3/4 in. (552 mm) x 14 1/2 in. (368 mm) x 10 in. (254 mm)

Furnished with 1/4-18 threaded fuel line fitting and manual venting cap. This tank can not be sold in areas governed by US-EPA regulations. Quicksilver Branded

# STANDARD 3.2 US GAL (12 L) FUEL TANK



#### 1200-8M0056211

3.2~US~gal~(12~L)~capacity,~14~1/2~in.~(368~mm)~x~9~3/4~in.~(248~mm)~x~9~in.~(229~mm).

Furnished with 1/4-18 threaded fuel line fitting and manual venting cap. Quicksilver Branded

# FUEL LINES AND PRIMER BULBS - (NON-US COMPLIANT)

These assemblies may be used in all applications not governed by the US-EPA 2011 regulations. If those regulations do apply, please refer to a 2011 US Compliant Section either here or in an Accessories Guide for applicable assemblies complete with provision for a pressurized fuel tank and low permeation primer bulb.

#### **8 FT. FUEL LINE ASSEMBLY**



#### 32-8M0054323

Low Permeation (EPA compliant) hose has 1/8" NPT threaded fitting on engine end and 1/4" NPT threaded fitting on the tank end. A non-EPA compliant primer bulb is included in this 8 ft. (2.44 m) assembly.

Fits varying applications using the older style twist type disconnects at the engine end and either a bayonet or thread-in fitting on the tank end. This assembly may be used in all applications not governed by US-EPA 2011 regulations.

Quicksilver Branded, Box Point of Sale Packaged

#### 8 FT. FUEL LINE ASSEMBLY



#### 32-8M0054324

Low Permeation (EPA compliant) hose has standard quick connect type fitting on engine end and 1/4" NPT threaded fitting on the tank end. A non-EPA compliant primer bulb is included in this 8 ft. (2.44 m) assembly.

Fits Force 40 hp. and larger (1993 and Newer), Force 9.9/15/25 hp. (1998) and all Mercury/Mariner outboards using clip on type disconnect at engine ends and a tank with threaded fuel pickup fitting. This assembly may be used in all applications not governed by US-EPA 2011 regulations.

Quicksilver Branded, Box Point of Sale Packaged.

#### **8 FT. FUEL LINE ASSEMBLY**



#### 32-8M0054325

Low Permeation (EPA compliant) hose has double sealed quick connect type fitting on tank end and clip-on type quick connect on engine end. A non-EPA compliant primer bulb is included in this 8 ft. (2.44 m) assembly.

Fits Force 40 hp. and larger (1993 and Newer), Force 9.9/15/25 hp. (1998) and all Mercury/Mariner outboards using clip-on type disconnects at both tank and engine ends. This assembly may be used in all applications not governed by US-EPA 2011 regulations.

Quicksilver Branded, Box Point of Sale Packaged.

#### **8 FT. FUEL LINE ASSEMBLY**



#### 32-8M0056640

Has double sealed quick connect type fitting on (Super) tank end and no fitting on engine end. Primer bulb is included in this 8 ft. (2.44 m) assembly.

Fits remote model 40-60 hp. FourStroke Mercury/Mariner outboards 2008 and newer. US-EPA regulated engines and boats may not use this hose.

#### **8 FT. FUEL LINE ASSEMBLY**



#### 32-8M0061293

There are no ends on this 8 ft. (2.44 m) fuel line assembly with a non-EPA compliant primer bulb. Bulbs will perform at -15 Degrees C (5 Degrees F) after 6 weeks of exposure to fuel.

This 5/16 inch (8 mm) I.D. fuel line will adapt to a variety of uses by adding connectors as desired. US-EPA regulated boats and engines may not use this hose assembly.

Mercury Branded

#### 9 FT. FUEL LINE ASSEMBLY



#### 32-8M8026967

Low Permeation hose 9 ft. (2.74 m) 5/16" line with primer bulb, 2 snap clamps, and no end connectors.

Standard universal 5/16" (8 mm) I.D. fuel line can be adapted to many uses by adding different connectors as desired. This assembly may be used in all applications not governed by US-EPA 2011 regulations.

# 12 FT. FUEL LINE ASSEMBLY

#### 32-8M0054326

Low Permeation (EPA compliant) hose 12 ft. (3.66 m) 5/16" line with a non-EPA compliant primer bulb, 2 snap clamps, and no end connectors.

Standard universal 5/16" (8 mm) I.D. fuel line can be adapted to many uses by adding different connectors as desired. This assembly may be used in all applications not governed by US-EPA 2011 regulations.

Quicksilver Branded, Box Point of Sale Packaged.

#### 12 FT. FUEL LINE ASSEMBLY



#### 32-8M0054327

Low Permeation (EPA compliant) hose has double sealed quick connect type fitting on tank end, and standard quick connect fitting on engine end. A non-EPA compliant primer bulb is included in this 12 ft. (3.66 m) assembly.

Fits Force 40 hp. and larger (1993 and Newer), Force 9.9/15/25 hp. (1998) and all Mercury/Mariner outboards using clip-on type disconnects at both tank and engine ends. This assembly may be used in all applications not governed by US-EPA 2011 regulations.

Quicksilver Branded, Box Point of Sale Packaged.

#### **FUEL LINE ASSEMBLY-UNIVERSAL**



#### 32-8M0038468

Fuel hose (only). CE certified 5/16" I.D. (.315 in. 8 mm) fuel line with no connectors. 9 ft. (2.74 m) Premium fuel line for custom manufacturing fuel line assemblies

#### **BULK FUEL LINE**



#### 32-8M0038500

Low Permeation hose, 5/16 in. (8 mm) I.D. x 100 ft. (30.5 m) spool. (EPA compliant).

Fits fuel line assemblies for delivering fuel from the fuel tank to the engine fuel connector.

#### 32-8M0038563

Low Permeation hose, 3/8 inch (9.5 mm) I.D. x 100 ft. (30.5 m) roll. EPA Compliant.

#### PRIMER BULB ASSEMBLY



#### 8M0054313

Using materials resistant to the chemistry of today's fuels, this bulb is designed to remain pliable longer. Two hose clamps are included.

For use with our gray color, 5/16 in. (8 mm) I.D. fuel line & 3/8" I.D. fuel line. This bulb may be used in all applications not governed by US-EPA 2011 regulations. Priced individually, sold @ multiples of 4

Quicksilver Branded, Box Point of Sale Packaged.

## PRIMER BULB ASSEMBLY



#### 8M0054315

For use with our 1/4 in. I.D. (black) fuel line. This bulb may be used in all applications not governed by US-EPA 2011 regulations.

Priced individually, sold @ multiples of 4

Quicksilver Branded, Box Point of Sale Packaged.

# **FUEL SYSTEM ACCESSORIES**

#### **POLY FUEL CAN**



#### 67-8313152

Anti-pilfer packaging • Heavy gauge high-density polyethylene with UV inhibitor for durability • Lightweight • Pouring spout with brass filter • UL classified-conforms to ANSI/ASTM D3435-80I.

5 Liter

#### **POLY FUEL CAN**



#### 67-8M9200702

Anti-pilfer packaging • Heavy gauge high-density polyethylene with UV inhibitor for durability • Lightweight • Pouring spout with brass filter • U.N. Certification 20 Liter

# **OIL ABSORBER**



#### 67-808840Q

Keep your bilge clean while protecting the environment. Made from 100% polypropylene fiber. Absorbs up to 10 times its weight in oil, gas or diesel fuel while repelling water. Will not rot, mildew, deteriorate or sink. Non-toxic, non-polluting. Can be recycled.

Quicksilver Branded, Point of Sale Packaged.

# **FUEL LINE FITTINGS AND COMPONENTS**

#### THREADED HOSE BARB



#### 22-8M0086290

For use with 3/8" (9.5 mm) I.D. hose and applications requiring a 1/2" NPT thread. Threads into our portable fuel tanks and will also work with our water separating filter bracket

A brass fitting for use with both gasoline fuel only. This material should not be used with diesel fuels.

#### THREADED HOSE BARB



#### 22-89771Q2

For use with 5/16" (8 mm) I.D. hose and applications requiring a 1/4" NPT thread. Threads into our portable fuel tanks and will also work with our water separating filter bracket.

A .250 inch ID brass fitting for use with gasoline fuel only. This material should not be used with diesel fuels.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# THREADED HOSE BARB



#### 22-34982

For use with 3/8" (9.5 mm) I.D. hose and applications requiring a 1/4" NPT thread. Threads into our portable fuel tanks and will also work with our water separating filter bracket

A .375 inch ID brass fitting for use with gasoline fuel only. This material should not be used with diesel fuels.

#### THREADED HOSE BARB



#### 22-8M0125175

For use with 3/8"-18 (9.5MM). Threads into our portable fuel tanks and will also work with our water separating filter bracket.

.375 inch ID stainless steel fitting for use with both gasoline and diesel fuel.

#### THREADED HOSE BARB



#### 22-8M0058419

For use with 5/16" (8 mm) I.D. hose and applications requiring a 1/4" NPT thread. Threads into our portable fuel tanks and will also work with our water separating filter bracket

A stainless steel fitting for use with both gasoline and diesel fuel. This fitting has a .300 inch ID.

#### THREADED HOSE BARB-ENGINE END



#### 22-89772Q 1

For use with .3125 In. (8 mm) I.D. hose and applications requiring a .125 In. NPT thread.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **PIPE PLUG**



22- 32561

1/4" -18 NPT (Steel)

Priced individually, sold @ multiples of 2

#### QUICK DISCONNECT-TANK END



#### 22-13563Q7

Clip-on style.

A double sealed clip-on type disconnect for the fuel tank end and fits a 5/16" (8 mm) I.D. fuel line.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### QUICK DISCONNECT-ENGINE END



#### 22-14213Q

Used with older 1/4" I.D. Hose

Fits Force 40 hp. and larger (1993 and newer), Force 9.9/15/25 hp. (1998) and all Mercury/Mariner outboards using clip on type disconnect at engine ends and 1/4" I.D. (black) fuel line.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

## QUICK DISCONNECT-ENGINE END



#### 22-13563Q3

Used with newer fuel line diameter.

Fits Force 40 hp. and larger (1993 and Newer), Force 9.9/15/25 hp. (1998) and all Mercury/Mariner outboards using clip on type disconnect at engine ends and 5/16" I.D (8 mm) fuel line.

Priced individually, sold @ multiples of 2

#### QUICK DISCONNECT-TANK END



#### 30185Q 3

Bayonet style

Bayonet style push and turn type quick disconnect for the older 6.6 gallon fuel tank. Priced individually, sold @ multiples of 3

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# QUICK DISCONNECT-ENGINE END



#### 30635Q3

Small twist lock type connector.

For Mercury/Mariner 3.9 thru 9.8 hp. Outboards (1971 and older) utilizing twist lock type connector.

Priced individually, sold @ multiples of 3

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### QUICK DISCONNECT-ENGINE END



#### 22831Q 3

Twist lock type connector.

For Mercury/Mariner utilizing twist lock type connector (except Mercury 3.9 thru 9.8 hp., 1971 and older).

Priced individually, sold @ multiples of 3

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### QUICK DISCONNECT-ENGINE END



#### F197787Q3

Engine end fits Force 5 hp., and fits 9.9/15 (1997 and prior) and 25 hp. (3 cyl., 1997 and prior).

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **CONNECTOR KIT**



#### 22-804787Q

Contains both on-engine and mating fuel line connector.

For use with 5/16 in. (8 mm) I.D. fuel line.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **ON-ENGINE FUEL CONNECTOR**



#### 22-816856Q 3

For use with 5/16 in. (8 mm) I.D. fuel line.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **FUEL CONNECTOR - ENGINE END**



#### F213238Q2

Small inlet used on older style Force and Chrysler outboards.

Priced individually, sold @ multiples of 2

#### **FUEL LINE COUPLER**



#### 22-8M0001721

Barbed ends.

Provides for coupling Mercury .375 ID fuel line with Mercury .3125 ID fuel line. Priced individually, sold @ multiples of 2

#### **FUEL LINE SNAPPER CLAMP**



#### 54-41582Q7

For use with our gray color, 5/16 in. (8 mm) I.D. fuel line.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **BLOW START SIPHON**

# **BLOW-START SIPHON**



#### 91-827497A 1

The ruggedly constructed siphon is a quick and convenient way to transfer fuel from a gas can to a fuel tank. The siphon flows approximately five gallons of fuel per minute. Siphoning is started by blowing air into a blow-tube. Even better, it eliminates the old "fuel-in-the-mouth" possibility and stores easily. The siphon is very useful in areas where boat fuel is no longer available at the dock.

Quicksilver Branded, Peg Display Product Point of Sale Packaged.

# **WATER ELIMINATOR**

Uses polymer crystals encased in a plastic filter to absorb water from the fuel in a fuel tank.

#### WATER ELIMINATOR



# 67-808887Q

Contains a drying agent commonly used to keep small, sealed containers dry. It absorbs water that has collected in the fuel tank.

How to use: Attach to the inside fuel cap with the lanyard (included). Adjust the lanyard so the Water Eliminator sits at the bottom of the fuel tank. Replace as needed.

For use in all octane grades of gasoline, including ethanol blended. Not recommended for diesel fuel.

For use in all 2-cycle and 4-cycle gasoline outboard, sterndrive, inboard and jet drive marine engines.

Priced individually, sold @ multiples of 6

Quicksilver Branded, Point of Sale Packaged.

# **FUEL FILTERS**

## **INLINE FUEL FILTER**



# 35-816296Q03

In-line fuel filter used with 1/4 in. ID fuel line.

Located under the cowling, on the outboard engine. Found in use with 1/4" hose. Mainly used with the 8/9.9/15 hp. FourStroke outboard (323cc, USA-0T003862-1B727495).

Priced individually, sold @ multiples of 3

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **INLINE FUEL FILTER**



#### 35-816296Q 2

In-line fuel filter used with 5/16 in. ID fuel line.

Priced individually, sold @ multiples of 3

#### **INLINE FUEL FILTER**



#### 35-16248

An in-line fuel filter located under cowl on outboard engines.

Fits the 4/5 hp. 2-cycle (1999 & newer), the 4/5/6 hp. FourStroke (1999 & newer), the 8/9.9 hp. FourStroke (2005 & newer) and the 15/20 hp. FourStroke (351cc, 2008 and newer).

## **FUEL FILTER KIT**



#### 35-87946Q04

149 micron screen

Replacement fuel filter screen and viton seal for use with Mercury/Mariner outboard under-cowl fuel filter assemblies with screw-on bowl. This kit services the prior filter assembly that was all white in color (both top and bowl).

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **FUEL FILTER**



#### 35-73532

#### **FUEL FILTER**



#### 35-80365M

Fits 9.9/15 HP 4-Stroke Outboards

#### **FUEL FILTER**



#### 35-877565T 1

Fits 25 Hp - 90 Hp 4-Stroke Carbureted Outboards 1999 and Newer

#### **FUEL FILTER**



#### 35-879885Q

In-line, under cowl fuel filter.

Used on the 30/40 EFI FourStroke outboard, the 4 cylinder (996 cc) 40/50/60 hp. EFI FourStroke outboards, the 75-115 FourStroke (1.7L, s/n 18366823-2B094995), the 75-115 FourStroke (2.1L, s/n 2B094996 and above), the 150 EFI FourStroke (1B905505 and above) and the 135 thru 300 hp. Verado

Quicksilver Branded

## **FUEL FILTER KIT**



#### 35-816296A 3

In-line fuel filter used with 1/4 in. ID fuel line.

Located under the cowling, on the outboard engine. Found in use with 1/4" hose. Mainly used with the 8/9.9/15 hp. FourStroke outboard (323cc, USA-0T003862-1B727495).

#### **SCREEN**



#### 35-59072

Inlet fuel pump.

Priced individually, sold @ multiples of 3

#### **FUEL FILTER ELEMENT**



#### 881540

Fits Mercury/Mariner 75/90/115 hp. FourStroke carbureted outboards.

#### **FUEL FILTER ELEMENT**



#### 35-888289T 2

Fits Mercury/Mariner 225 hp. EFI FourStroke outboards.

# **FUEL FILTER ELEMENT**



#### 35-8M0122423

Under cowl replacement cartridge where applicable.

Fits the under cowl L4 Verado outboard replaceable cartridge fuel filter, the 200-300 hp. L6 Verado (2B144122 & Below) 1.5L & 3.0L DFI outboards that utilize a vapor separator with a top screw-in type filter. Also fits the MCM 4.5L and 6.2L (2A456613 & newer) engines.

Quicksilver Branded, Box Point of Sale Packaged.

#### **FUEL FILTER SCREEN**



# 35-8M0090809

In-line, under cowl fuel filter

Used on the 75-115HP & 115HP ProXs 2.1L EFI FourStroke (2B094996 & above), 150HP EFI FourStroke (1B905505 & above), 200-400HP L6 Verado (2B141124 & above)

Quicksilver Branded

#### **INLINE FUEL FILTER**



#### 35-879884T

A cartridge type fuel filter located under the cowl on outboard engines.

#### **INLINE FUEL FILTER**



#### 35-8M0057677

High pressure in-line fuel filter to fuel rail. Fits the F150 hp. EFI FourStroke outboard.

#### **FUEL FILTER KIT**

Image not Available.

#### 35-8M0149607

A cartridge type of fuel filter located under the cowl on outboard engines. 30-60 EFI 4 Stroke engines, 0T409000 and above

# WATER SEPARATING FUEL FILTER - QUICKSILVER

#### WATER SEPARATING FUEL FILTER KIT



#### 8M0056547

Accessory under cowl kit.

Fits the Mercury/Mariner 4/5/6 hp. FourStroke outboards starting with serial number 0R411838.

#### WATER SEPARATING FUEL FILTER



#### 35-8M0095658

Designed smaller to better fit the hand, the internal holding capacity of this filter is as great as our standard filter. A new o-ring for the water sensor is included with each filter

This replacement filter fits the vessel mounted filter kit furnished standard with all FSM equipped 6-cylinder Verado outboards, Gen 5 (s/n 2B144123 and above). Quicksilver Branded

#### WATER SEPARATING FUEL FILTER KIT



#### 8M0109543

A vessel mounted water separating fuel filter featuring a see-through bowl for visual inspection and a drain for servicing. A water in fuel sensor will provide an alert compatible with Mercury controls and instrumentation. Hose fittings are included for 3/8 inch (9.5 mm) I.D. fuel lines and 2 adjustable hose clamps. For use with vented fuel tanks only.

Fits the Mercury/Mariner F150 Hp. EFI FourStroke 4-cylinder outboard, the F75-115 Hp. FourStroke (s/n 2B094996 and above) and must be installed in a compartment open to the atmosphere or void of ignition sources.

#### QUICKSILVER WATER SEPARATING FUEL FILTER

Image not Available.

#### 8M0146203

Outboard Element without Plastic Bowl, spins on to existing Quicksilver filter heads with 11/16-16 threads. "NEW PRICE for 2019"

For outboards, allows for filter replacement when re-using the see-through plastic bowl. Degree of filtration is 10 micron.

Quicksilver Branded

#### QUICKSILVER WATER SEPARATING FUEL FILTER



#### 35-8M0103096

Outboard Element without Plastic Bowl, spins on to existing Quicksilver filter heads with 1-14 threads.

For outboards, allows for filter replacement when re-using the see-through plastic bowl. Degree of filtration is 10 micron.

Quicksilver Branded

#### WATER SEPARATING FUEL FILTER



#### 35-802893Q01

25 micron

Used in both outboard and MerCruiser applications (except 1992 MerCruiser 4.3 L Gen II engines equipped with an in-line fuel filter & 1.6L Vazer and 3.0L MPI engines).

Priced individually, sold @ multiples of 6

Quicksilver Branded, Box Point of Sale Packaged.

#### WATER SEPARATING FUEL FILTER



#### 35-18458Q 3

Water separating fuel filter with the black screw-in sensor.

Located under the cowl on all Mercury/Mariner V-6 EFI outboard engines, 1995 and earlier.

Quicksilver Branded, Box Point of Sale Packaged.

# WATER SEPARATING FUEL FILTER



#### 35-18458Q4

Water separating fuel filter with the blue screw-in sensor.

Located under the cowl on all Mercury/Mariner V-6 EFI/DFI outboard engines, 1996 and newer.

Quicksilver Branded, Box Point of Sale Packaged.

#### WATER SEPARATING FUEL FILTER KIT



#### 35-8M0114618

This vessel mounted kit (with higher capacity) replaces the engine on-board water separating fuel filter. It features the use of a see-through plastic bowl for visual inspection and a drain for servicing. This kit may be used as optional to the standard kit now shipped with Gen 5, FSM equipped 6-cylinder Verados. For use with vented fuel tanks only.

Fits the 6-cylinder Gen IV and newer Verado outboard and must be installed in a compartment open to the atmosphere or void of ignition sources.

#### QUICKSILVER WATER SEPARATING FUEL FILTER



#### 35-8M0116793

Replaces element with plastic bowl and spins on existing Quicksilver filter heads. For outboards, has a see-through plastic bowl allowing for visual inspection. Check for adequate clearance prior to mounting. Degree of filtration is 10 micron. Quicksilver Branded

#### WATER SEPARATING FUEL FILTER KIT



#### 8M0097838

Filter Kit, consisting of filter canister featuring sight bowl and manual drain and including our filter bracket with fittings. No water in fuel sensor is included or used with this kit. For use with vented fuel tanks only.

Vessel mounted in a ventilated location open to the atmosphere or void of ignition sources, this kit is intended for use with Mercury, Mariner or Force gasoline outboard engines that do not already have a water separating fuel filter. This kit is included standard with the F75-150 FourStroke SeaPro outboards beginning in 2014.

#### WATER SEPARATING FUEL FILTER KIT



#### 35-8M0113498

This vessel mounted kit (with higher capacity) replaces the engine on-board water separating fuel filter. It features the use of a see-through plastic bowl for visual inspection and a drain for servicing. For use with vented fuel tanks only. Fits the 135-200 Hp. 4-cylinder Verado outboard and must be installed in a compartment open to the atmosphere or void of ignition sources.

#### WATER SEPARATING FUEL FILTER



#### 35-8M0079962

High volume replacement filter featuring 10 micron filtration with over 90% efficiency, flowing 120 gallons per hour while separating water from your fuel. The internal epoxy coating protects against corrosion and the low pressure drop reduces fuel flow restriction helping to prevent vapor-locking and stalling. This filter contains 25% more media than comparable aftermarket filters, providing longer life and improved water separation.

Fits remote mounted applications that do not have clearance issues. Quicksilver Branded

#### WATER SEPARATING FUEL FILTER KIT



#### 35-8M0082290

Kit consisting of our vessel mounted head (without fittings) and our High Capacity water separating fuel filter. Our brass fittings may be used with gas engines but stainless steel fittings p/n 22-8M0058419 are required in diesel applications. Filter features 10 micron, 90% efficiency with a 120 gallon per hour flow rate.

Compatible with most 2-Stroke and 4-Stroke Outboards and most Inboard & Sterndrive Gas and Diesel Engines.

Quicksilver Branded

# PORTABLE FUEL FILTER "MR FUNNEL"



#### 35-8M0032639

5 GPM Proprietary filter prevent water, dirt and debris from passing through the fuel tank. Works with gasoline, kerosine and diesel fuel.

# PORTABLE FUEL FILTER "MR FUNNEL"



#### 35-8M0032640

Proprietary filter prevent water, dirt and debris from passing through the fuel tank. Works with gasoline, kerosine and diesel fuel.

#### WATER SEPARATING FILTER BRACKET



#### 89876A 3

Includes brass fittings. For vessel mounted applications.

# THREADED HOSE BARB



#### 22-89771Q2

For use with 5/16" (8 mm) I.D. hose and applications requiring a 1/4" NPT thread. Threads into our portable fuel tanks and will also work with our water separating filter bracket.

A .250 inch ID brass fitting for use with gasoline fuel only. This material should not be used with diesel fuels.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### THREADED HOSE BARB



#### 22-34982

For use with 3/8" (9.5 mm) I.D. hose and applications requiring a 1/4" NPT thread. Threads into our portable fuel tanks and will also work with our water separating filter bracket.

A .375 inch ID brass fitting for use with gasoline fuel only. This material should not be used with diesel fuels.

# **PIPE PLUG**



#### 22-32561

1/4" -18 NPT (Steel)

Priced individually, sold @ multiples of 2

#### **FUEL LINE SNAPPER CLAMP**



#### 54-41582Q7

For use with our gray color, 5/16 in. (8 mm) I.D. fuel line.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### WIF SENSOR EXTENSION HARNESS



#### 84-8M0105263

Helps detect water in fuel.

Provides a 36 inch (914 mm) extension for the vessel mounted water separating fuel filters that are equipped with a WIF (water in fuel) sensor.

#### 84-8M0105264

Helps detect water in fuel.

Provides a 6 foot (1.8 m) extension for the vessel mounted water separating fuel filters that are equipped with a WIF (water in fuel) sensor.

#### WATER SEPARATING FUEL FILTER - ON ENGINE



#### 35-8M0106635

This filter separates water from fuel as it removes other impurities. Fuel contaminated water can result in poor engine performance, stalling and damage to the fuel system.10 Micron filtration.

Fits: 175-300HP V6 & V8 FourStroke outboards. Replace fuel filter every 100hrs. of normal use or minimally once per season.

Mercury Branded, Box Point of Sale Packaged.

# WATER SEPARATING FUEL FILTER - BOAT MOUNTED

Image not Available.

#### 35-8M0126144

Removes 99% of water and other impurities from gasoline. 10 Micron filtration over 95% efficiency.

Fits: 175-300HP V6 (3.4L) & V8 (4.6L) FourStroke outbaords. Replace filter every 100hrs. of normal use or minimally once per season.

#### WATER SEPARATING FUEL FILTER KIT

#### 98-8M0135386

A vessel mounted water separating fuel filter featuring a see-through bowl for visual inspection and a drain for servicing. A water in fuel sensor will provide an alert compatible with Mercury controls and instrumentation.

Fits: 175-350HP V6 (3.4L) & V8 (4.6L) FourStroke outboards. Must be installed in a compartment open to the atmosphere or void of ignition sources. Mercury Branded

#### WATER SEPARATING FUEL FILTER KIT



#### 8M0095669

Contains water separating fuel filter with water sensor, base, electrical harness, 2 barbed connectors and 2 pipe plugs.

Shipped standard with all FSM equipped 6-cylinder Verado outboards, Gen 5 (s/n 2B144123 and above).

#### WATER SEPARATING FUEL FILTER



#### 35-8M0095659

Designed smaller to better fit the hand, the internal holding capacity of this filter is as great as our standard filter. A new o-ring for the water sensor is included with each filter.

This replacement filter fits the vessel mounted filter kit furnished standard with all FSM equipped 6-cylinder Verado outboards, Gen 5 (s/n 2B144123 and above). Mercury Branded

#### WATER SEPARATING FUEL FILTER KIT



#### 98-8M0103686

An option to the standard provided, vessel mounted water separating filter kit. Contains filter, bracket hose and harness to install a water separating filter under the cowl of a 6-cylinder, Gen 5, FSM equipped Verado outboard.

Fits the Gen 5, 6-cylinder Verado outboard (s/n 2B144123 and above).

# WATER SEPARATING FUEL FILTER KIT



#### 35-802893Q 4

For gasoline use only. Degree of filtration is 25 micron, minimum.

Used in both outboard and MerCruiser applications (except 1992 MerCruiser 4.3 L Gen II engines equipped with an in-line fuel filter).

Quicksilver Branded, Box Point of Sale Packaged.

# **REMOTE FUEL TANK ADAPTER KITS**

Adapts the listed Mercury / Mariner 4/5 hp. Outboards to optional use of a remote style fuel tank.

#### **REMOTE FUEL TANK ADAPTER KIT**



#### 22- 15781A12

Kit includes hoses, shut-off valve and fitting.
Fits Mercury / Mariner 4/5 hp. (1 cyl.) 2 cycle outboards (USA 0A816941-0A855096).

# **MANUAL CHOKE KIT**

Improves cold starting capabilities in cold weather climates.

#### **MANUAL CHOKE KIT**



## 856116A 1

Fits Mercury / Mariner 30/40 hp. (2 cyl.) 2 cycle outboards (USA 0G438000 and Newer, BEL 9927000 and Newer).

# THERMOSTAT KIT

Raises engine operating temperature for improved running and idling qualities.

# THERMOSTAT KIT



#### 14586A 3

Includes 120 degree thermostat and gaskets.

Fits various Mercury/Mariner 6-25 hp. 2 cycle outboards. See application chart for specific engine models.

#### THERMOSTAT KIT



#### 14586A 4

Includes 120 degree thermostat, gaskets and poppet valve. Fits various Mercury / Mariner 50/55/60 hp. 2 cycle outboards. See application chart for specific engine models.

# THERMOSTAT KIT



#### 14586A 6

Includes 120 degree thermostat, gaskets and poppet valve.

Fits various Mercury / Mariner 50/55/60 hp. 2 cycle outboards. See application chart for specific engine models.

#### THERMOSTAT KIT



#### 14586A 7

Includes 130 degree thermostat, gaskets and poppet valve. Fits Mercury / Mariner 30/40 hp. (2 cyl.) 2 cycle outboards (USA 0G044027 and Newer, BEL 9855139 and Newer).

#### THERMOSTAT KIT



#### 803061T 1

Includes 120 degree thermostat, thermostat gasket, washer and cover gasket. Fits various Mercury/Mariner 70-125 hp. 2 cycle outboards (1987 and Newer). See application chart for specific engine models.

#### THERMOSTAT KIT



#### 855676A 1

Includes 120 degree thermostat and gaskets.

Fits Mercury/Mariner 9.9 hp. FourStroke (1999 - 2004), 15 hp. FourStroke (1998-2006, 323cc) and the 25 hp. FourStroke outboard (1998-2005). See application chart for specific engine models. Will not fit serial numbers beginning with 0H.

#### THERMOSTAT KIT



#### 825212A 1

Includes 120 degree thermostat and gaskets. Fits various Mercury/Mariner 30/40/45/50 hp. FourStroke outboards. See application chart for specific engine models.

#### THERMOSTAT KIT



#### 850055A 2

Includes 110 degree thermostat and gaskets.

Fits various Mercury / Mariner 40/50/55/60 hp. 2 cycle outboards. See application chart for specific engine models.

#### THERMOSTAT KIT



#### 855676A 1

Includes 120 degree thermostat and gaskets.

Fits Mercury/Mariner 9.9 hp. FourStroke (1999 - 2004), 15 hp. FourStroke (1998-2006, 323cc) and the 25 hp. FourStroke outboard (1998-2005). See application chart for specific engine models. Will not fit serial numbers beginning

# THERMOSTATS CHART - MERCURY/MARINER

#### Mercury/Mariner Thermostats

Model	Brand	Year Range	Country	Serial # Range	Thermostat Kit
6	Mercury/Mariner	1986 - 2003	USA	0A197112 - 0T800749	14586A 3(2)
6	Mercury/Mariner	1986 - 2006	BEL	9461526 and up	14586A 3(2)
8	Mercury/Mariner	1986 - 2006	USA	0A197112 and up	14586A 3(2)
8	Mercury/Mariner	1986 - 2006	BEL	9461526 and up	14586A 3(2)
9.9	Mercury/Mariner	1986 - 2019	USA	0A197112 and up	14586A 3(2)
9.9	Mercury/Mariner	1986 - 2019	BEL	9461526 and up	14586A 3(2)

Model	Brand	Year Range	Country	Serial # Range	Thermostat Kit
8 FourStroke	Mercury/Mariner	2001 - 2004	BEL	0P086824 - 0P325499	855676A 1(2)
9.9 FourStroke	Mercury/Mariner	1999 - 2004	USA	0G760300 - 0T979999	855676A 1(2)
9.9 FourStroke	Mercury/Mariner	1999 - 2004	BEL	0P075166 - 0P325499	855676A 1(2)
15	Mercury/Mariner	1988 - 2019	USA	0B292414 and up	14586A 3(2)
15	Mercury/Mariner	1988 - 2019	BEL	9542620 and up	14586A 3(2)
15 SEA PRO	Mercury	1994 - 2019	USA	0G044365 and up	14586A 3(2)
15 SEA PRO	Mercury	1994 - 2019	BEL	9927000 and up	14586A 3(2)
SUPER 15	Mariner	1988 - 2019	USA	0B238464 and up	14586A 3(2)
SUPER 15	Mariner	1988 - 2019	BEL	9507381 and up	14586A 3(2)
SUPER 15	Mariner	1988 - 2019	CAN	0A730007 and up	14586A 3(2)
15 FourStroke (323cc)	Mercury/Mariner	1998 1/2 - 2008	USA	0G590000 - 1B727495	855676A 1(2)
15 FourStroke (323cc)	Mercury/Mariner	1999 - 2008	BEL	0P075166 and up	855676A 1(2)
15 EFI FourStroke	Mercury/Mariner	2017 - 2019	JPN	0R833820 and up	8M0139434
20	Mercury/Mariner	1986 - 2003	USA	0B114231 - 0T800749	14586A 3(2)
20	Mercury/Mariner	1986 - 2019	BEL	9467988 and up	14586A 3(2)
20	Mercury/Mariner	1986 - 2003	CAN	0A719661 and up	14586A 3(2)
20 EFI FourStroke	Mercury/Mariner	2017 - 2019	JPN	0R833820 and up	8M0139434
25 (2 Cyl)	Mercury/Mariner	1986 - 2019	USA	0B114231 and up	14586A 3(2)
25 (2 Cyl)	Mercury/Mariner	1986 - 2019	BEL	9467988 and up	14586A 3(2)
25 (2 Cyl)	Mercury/Mariner	1986 - 2019	CAN	0A719661 and up	14586A 3(2)
25 SEA PRO	•	1988 - 2019	USA	0B238464 and up	. ,
25 SEA PRO	Mercury		BEL	·	14586A 3(2)
	Mercury	1988 - 2019		9507381 and up	14586A 3(2)
25 SEA PRO	Mercury	1988 - 2019	CAN	0A730007 and up	14586A 3(2)
25 FourStroke	Mercury/Mariner	1998 - 2005	USA	0G590000 - 1B226999	855676A 1(2)
25 FourStroke	Mercury/Mariner	1999 - 2005	BEL	0P075166 - 0P400999	855676A 1(2)
30 (2 Cyl)	Mercury/Mariner	1994 - 2019	USA	0G044027 and up	14586A 7(3)
30 (2 Cyl)	Mercury/Mariner	1994 - 2019	BEL	9855139 and up	14586A 7(3)
30 FourStroke	Mercury/Mariner	1999 - 2005	USA	0G760300 - 1B226999	825212A 1(2)
30 FourStroke	Mercury/Mariner	1999 - 2005	BEL	0P017000 - 0P400999	825212A 1(2)
35	Mercury/Mariner	1984 - 2019	USA	6445653 and up	N.L.A.(3)
35	Mercury/Mariner	1984 - 2019	BEL	9384476 and up	N.L.A.(3)
40 (2 Cyl)	Mercury/Mariner	1994 - 2019	USA	0G044027 and up	14586A 7(3)
40 (2 Cyl)	Mercury/Mariner	1994 - 2019	BEL	9855139 and up	14586A 7(3)
40 (3 Cyl)	Mercury/Mariner	1997 - 2019	USA	0G531301 and up	850055A 2(2)
40 (3 Cyl)	Mercury/Mariner	1997 - 2019	BEL	9973100 and up	850055A 2(2)
40 FourStroke (3 cyl.)	Mercury/Mariner	1998 - 2019	USA	0G231123 and up	825212A 1(2)
40 FourStroke (3 cyl.)	Mercury/Mariner	1999 - 2019	BEL	0P017000 and up	825212A 1(2)
45 FourStroke	Mercury/Mariner	1996 - 2000	USA	0G231123 and up	825212A 1(2)
50 (3 Cyl)	Mercury/Mariner	1987 - 1990	USA	0B110789 - 0D000749	N.L.A.(3)
50 (3 Cyl)	Mercury/Mariner	1987 - 1990	BEL	9482600 - 9671686	N.L.A.(3)
50 (3 Cyl)	Mercury/Mariner	1991 - 1993	USA	0D000750 - 0D181999	14586A 4(3)
50 (3 Cyl)	Mercury/Mariner	1991 - 1993	BEL	9682500 - 9740999	14586A 4(3)
50 (3 Cyl)	Mercury/Mariner	1994 - 1997	USA	0D182000 - 0G589999	14586A 6(3)
50 (3 Cyl)	Mercury/Mariner	1994 - 1997	BEL	9741000 - 9973099	14586A 6(3)
50 (3 Cyl)	Mercury/Mariner	1998 - 2019	USA	0G590000 and up	850055A 2(2)
50 (3 Cyl)	Mercury/Mariner	1998 - 2019	BEL	9973100 and up	850055A 2(2)
50 FourStroke	Mercury/Mariner	1995 - 2000	USA	0G231123 - 0T178499	825212A 1(2)
55 (3 Cyl)	Mercury/Mariner	1991 - 1993	USA	0D000750 - 0D181999	14586A 4(3)
55 (3 Cyl)	Mercury/Mariner	1991 - 1993	BEL	9682500 - 9740999	14586A 4(3)
55 (3 Cyl)	Mercury/Mariner	1994 - 1997	USA	0D182000 - 0G589999	14586A 6(3)
55 (3 Cyl)	Mercury/Mariner	1994 - 1997	BEL	9741000 - 9973099	14586A 6(3)
55 (3 Cyl)	Mercury/Mariner	1998 - 2019	USA	0G590000 and up	850055A 2(2)
	•		BEL	9973100 and up	850055A 2(2)
55 (3 Cyl)	Mercury/Mariner	1998 - 2019		001 0 100 dila ap	000000112(2)

Model	Brand	Year Range	Country	Serial # Range	Thermostat Kit
60 (3 Cyl)	Mercury/Mariner	1987 - 1990	BEL	9482600 - 9671686	N.L.A.(3)
60 (3 Cyl)	Mercury/Mariner	1991 - 1993	USA	0D000750 - 0D181999	14586A 4(3)
60 (3 Cyl)	Mercury/Mariner	1991 - 1993	BEL	9682500 - 9740999	14586A 4(3)
60 (3 Cyl)	Mercury/Mariner	1994 - 1997	USA	0D182000 - 0G589999	14586A 6(3)
60 (3 Cyl)	Mercury/Mariner	1994 - 1997	BEL	9741000 - 9973099	14586A 6(3)
60 (3 Cyl)	Mercury/Mariner	1998 - 2019	USA	0G590000 and up	850055A 2(2)
60 (3 Cyl)	Mercury/Mariner	1998 - 2019	BEL	9973100 and up	850055A 2(2)
70 (3 Cyl)	Mercury/Mariner	1987 - 2019	USA	0A996142 and up	803061T 1(1)
70 (3 Cyl)	Mercury/Mariner	1987 - 2019	BEL	9483121 and up	803061T 1(1)
75 (3 Cyl)	Mercury/Mariner	1990 - 2019	USA	0C222000 and up	803061T 1(1)
75 (3 Cyl)	Mercury/Mariner	1990 - 2019	BEL	9589039 and up	803061T 1(1)
80 (3 Cyl)	Mercury/Mariner	1987 - 2019	USA	0A996142 and up	803061T 1(1)
80 (3 Cyl)	Mercury/Mariner	1987 - 2019	BEL	9483121 and up	803061T 1(1)
90 (3 Cyl)	Mercury/Mariner	1987 - 2019	USA	0A996142 and up	803061T 1(1)
90 (3 Cyl)	Mercury/Mariner	1987 - 2019	BEL	9483121 and up	803061T 1(1)
100 (4 Cyl)	Mercury/Mariner	1988 - 2019	USA	0B209468 and up	803061T 1(1)
100 (4 Cyl)	Mercury/Mariner	1988 - 2019	BEL	9523034 and up	803061T 1(1)
115 (4 Cyl)	Mercury/Mariner	1989 - 2019	USA	0C100000 and up	803061T 1(1)
115 (4 Cyl)	Mercury/Mariner	1989 - 2019	BEL	9559771 and up	803061T 1(1)
125 (4 Cyl)	Mercury/Mariner	1994 - 2019	USA	0D283222 and up	803061T 1(1)
125 (4 Cyl)	Mercury/Mariner	1994 - 2019	BEL	9793577 and up	803061T 1(1)

<sup>(1)</sup> Includes new thermostat, thermostat gasket, washer and cover gasket.

# **VERTICAL MANUAL STARTER ROPE GUIDE**

Converts a manual start from a horizontal to a vertical direction pull.

# STARTER ROPE GUIDE



# 16839A 4

Fits Mercury/Mariner 4/5 hp. (1 cyl.) 2 cycle outboards (USA 0A855097 and Newer, BEL 9589154 and Newer) and Mercury/Mariner 4/5/6 hp. FourStroke outboards.

# **CARBURETOR ANTI-ICING KITS**

Where carburetor icing is common, kit uses hot water from the engine to heat the carburetor. Used on electric or manual models.

#### **CARBURETOR ANTI-ICING KIT**



#### 828155A 8

Sea Pro/Marathon models from 1994 thru 1997 will require a thermostat kit if one has not already been installed.

Fits Mercury / Mariner 30/40 hp. (2 cyl.) 2 cycle Sea Pro/Marathon outboards (USA 0G055314 and Newer, BEL 9854537 and Newer), and fits Mercury / Mariner 30/40 hp. (2 cyl.) 2cycle outboards (USA 0G590000 and Newer, BEL 9928481 and Newer).

<sup>(2)</sup> Includes thermostat & gaskets.

<sup>(3)</sup> Includes thermostat, gaskets and poppet valve.

#### **CARBURETOR ANTI-ICING KIT**



#### 828155A 3

Any engine not already having a thermostat will require the addition of an appropriate thermostat kit from the thermostat chart.

Fits Mercury / Mariner 50/60 hp. (3 cyl.) 2 cycle outboards (USA 0G589999 and prior, BEL 9973099 and prior).

## **CARBURETOR ANTI-ICING KIT**



#### 828155A 6

The 55/60 hp. manual start models will require the addition of a thermostat kit. Fits Mercury / Mariner 40 hp. (3 cyl.) 2 cycle outboards (USA 0G531301 and Newer, BEL 9973100 and Newer) and 50/55/60 hp. (3 cyl.) 2 cycle outboards (USA 0G590000 and Newer, BEL 9973100 and Newer).

#### **CARBURETOR ANTI-ICING KIT**



#### 828155A

1994 and older manual start models must also order washer p/n 12-47533-1. Fits Mercury / Mariner 75/90 hp. (3 cyl.) 2 cycle outboards.

#### **CARBURETOR ANTI-ICING KIT**



#### 828517A 1

Includes a 143 degree thermostat.

Fits Mercury / Mariner 6-15 hp. and 20/25 hp. (2 cyl.) 2 cycle outboards.

#### **CARBURETOR ANTI-ICING KIT**



#### 856642A 2

Includes hoses and fittings.

Fits Mercury / Mariner 135-225 V-6 outboards (0G303046 and Newer) with Walbro "WMV" series carburetors.

# REMOTE OIL TANK CONVERSION KITS

Converts the engine to use a remote pressurized 3 US gal (11 L) oil tank

#### **REMOTE OIL TANK KIT**



#### 1263-812718A 2

Includes remote oil tank, on board tank, lines, fittings and hardware. Fits Mercury / Mariner 50/60 hp. (3 cyl., 51.8 CID) 2 cycle outboards (USA 0D182000 and Newer, BEL 9793445 and Newer).

#### REMOTE OIL TANK KIT



## 1257- 8742A25

Includes remote oil tank, lines, fittings and hardware to convert to a pressurized remote 2 cycle oil tank system.

Fits Mercury/Mariner 75,90,115 hp (1.5L) OptiMax outboards, model year 2004 and

# REMOTE OIL TANKS AND COMPONENTS

Remote pressurized oil tank reservoir system.

#### REMOTE 1.8 US GAL (6.8 L) OIL TANK



#### 15943A 1

Remote 1.8 US gal (6.8 L) Oil Tank, complete with tank, lines mounting bracket and all hardware.

Optional tank size for Mercury / Mariner 2 cycle outboards, to be used wherever a pressurized oil reservoir system is already in use.

#### REMOTE 3.0 US GAL (11 L) OIL TANK



#### 1257- 8742A21

Remote 3.0 US gal (11 L) Oil Tank with sender, complete with tank, lines, floor mounting bracket and all hardware.

#### REMOTE 3.0 US GAL (11 L) OIL TANK



# 1257- 8742A22

Remote 3.0 US gal (11 L) Oil Tank without sender, complete with tank, lines, floor mounting bracket and all hardware.

Optional tank size for Mercury/Mariner 2 cycle outboards, to be used wherever a pressurized oil reservoir system is already in use. This tank and bracket assembly is only used in floor mounted applications.

# REMOTE 3.0 US GAL (11 L) OIL TANK



#### 1257- 8742A23

Remote 3.0 US gal (11 L) Oil Tank without sender, complete with tank, lines, mounting bracket and all hardware. Old Bracket Design

Optional tank size for Mercury/Mariner 2 cycle outboards, to be used wherever a pressurized oil reservoir system is already in use. This tank and bracket assembly may be optionally floor or wall mounted.

#### OIL TANK HOLD DOWN KIT

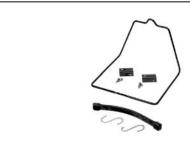


#### 12335A 1

With bracket, strap and hardware.

Fits the 3.0 gallon (11 L) remote oil reservoir tank. This optional bracket may be either floor or wall mounted as desired.

#### **OIL TANK HOLD DOWN KIT**



#### 884481A 1

With floor bracket, strap and hardware.

Fits the 3.0 gallon  $(11\ L)$  remote oil reservoir tank. Bracket may only be used as a floor mounted application.

#### **OIL TANK HOLD DOWN KIT**



#### 824954A 1

With bracket, strap and hardware.

Fits the 1.8 gallon (6.8 L) remote oil reservoir tank.

# **OIL TANK HOSE EXTENSION**



#### 41729A 3

Includes 30 ft. (9.14 m) of double barrel hose and 4 tie straps.

Can be used with either remote oil reservoir tank which requires a longer hose due to location.

# **DECK OIL FILL KIT**

Allows filling remote oil reservoirs from deck mounted filler pipe.

# DECK FILL KIT - OIL (STRAIGHT ELBOW)



#### 15969A09

Complete with deck fittings, 4 ft. (1.22 m) fill hose, filler cap and necessary mounting hardware.

For use with 1.8 US gal (6.8 L) or 3 US gal (11 L) remote oil tank reservoirs. This kit must NOT be used with Auto Blend.

#### **DECK FILL KIT - OIL (80 DEGREE ELBOW)**



# 15969A10

Complete with deck fittings, 4 ft. (1.22 m) fill hose, filler cap and necessary mounting hardware.

For use with 1.8 US gal (6.8 L) or 3 US gal (11 L) remote oil tank reservoirs. This kit must NOT be used with Auto Blend.

#### REPLACEMENT TANK ADAPTER



#### 15967

For use with 1.8 US gal (6.8 L) or 3 US gal (11 L) remote oil tank reservoirs. This kit must NOT be used with Auto Blend.

#### **FILL CAP O-RING**



#### 25-11332

Replacement O-Ring for Fill Cap 2.225 x .210

# **DECK FILL KIT - OIL (STRAIGHT ELBOW)**



## 15969A13

Comes with deck fittings, filler cap and mounting hardware. Oil fill hose must be ordered separately to complete the assembly.

For use with 1.8 US gal ( $6.8\,L$ ) or 3 US gal ( $11\,L$ ) remote oil tank reservoirs. This kit must NOT be used with Auto Blend.

# **DECK FILL KIT - OIL (80 DEGREE ELBOW)**



#### 15969A11

Comes with deck fittings, filler cap and mounting hardware. Oil fill hose must be ordered separately to complete the assembly.

For use with 1.8 US gal (6.8 L) or 3 US gal (11 L) remote oil tank reservoirs. This kit must NOT be used with Auto Blend.

#### **BULK OIL FILL HOSE**



#### 32-850719

Helical corrugated cover, helical non-metallic reinforcement, smooth wall PVC. 1 1/2 " (38 mm) x 100 ft. (30 m)

For use with a deck oil fill kit and the 1.8 US gal (6.8 L) or 3 US gal (11 L) remote oil tank reservoirs. This kit must NOT be used with Auto Blend.

# FRONT LOW WATER PICK-UP PLUG KIT

Used in special applications where debris is plugging the low water pick-ups in the nose of the gearcase. This will also limit the amount of cooling water flow. Do not use this kit if the side water pick-ups are out of the water when the boat is on plain.

# WATER INLET PLUG KIT



#### 895764A01

Contains two plugs, o-ring and shift shaft gasket.

Plugs the front low water pick-up on the gearcase for the 3.0L EFI/Optimax outboards with the shift shaft bushing assembly that is fastened with 2 screws.

#### WATER INLET PLUG KIT



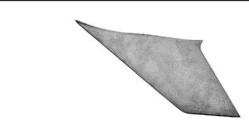
#### 8M0052921

Contains plugs and gasket to seal the low water pickups from injesting debris into the engine water cooling passages.

Fits the Verado gearcase and the Torquemaster II with the shift shaft bushing fastened with 4 screws.

# **GEAR HOUSING REPLACEMENT SKEGS**

#### REPLACEMENT SKEG



#### 898245A01

Fits Verado outboards, 135 through 300 hp. and 3.0L gearcases that have a 4.80 inch diameter torpedo.

#### REPLACEMENT SKEG



#### 8M0052924

Precision die cast 360XK alloy for stronger, more uniform welds. Fits the Verado and 3.0L gearhousings with a 5.44 inch diameter torpedo.

#### REPLACEMENT SKEG



#### 15985A02

Precision die cast 360XK alloy for stronger, more uniform welds.

Fits Mercury / Mariner 50/55/60 Bigfoot (3 cyl.), 70/75/80/90 (USA 0A996142 and Newer, BEL 9483121 and Newer), 100/115/125 (0B209468 and Newer), Force 90/120 (s/n 0E093700 and Newer) and 75/90/115 FourStroke (1B366823-2B094955).

#### REPLACEMENT SKEG

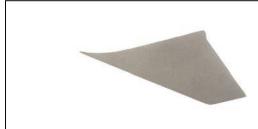


#### 859447A 1

Precision die cast 360XK alloy for stronger, more uniform welds.

Fits Mercury / Mariner 75/80 (4 cyl.), 90/115 (6 cyl.) and most V-6 outboard models including 2.5L OptiMax. Has adequate depth for the 3.0L models but is not an exact silhouette of the original skeg.

## REPLACEMENT SKEG



#### 8M0090442

Precision die cast 360XK alloy for stonger, more uniform welds.

Fits the standard gearcase on the F75-115 hp. (2.1L) FourStroke outboards, serial number 28094996 and above.

# REPLACEMENT SKEG



#### 8M0060147

Pecision die cast 360XK alloy for stronger, more uniform welds. Fits the Mercury/Mariner F150 hp. EFI FourStroke 4 cylinder outboard, and the F75-115 hp. (2.1L) FourStroke Command Thrust outboard serail number 2B094996 and above..

#### REPLACEMENT SKEG



#### FK719059

Precision die cast 360XK alloy for stronger, more uniform welds. Fits Force 85/90/100/120/150 hp. outboards (s/n 0E093699 and prior).

# **AIR FILTERS**

#### **AIR FILTER**



#### 35-8M0082911

Fits the 75-115 EFI FourStroke outboards (1731cc) serial number 1B366823-2B094995.

# **AIR FILTER**



#### 35-896247

Fits the L-4 Verado outboard.

#### **AIR FILTER**



35-893318T02

Fits the L-6 Verado outboard.

# **OIL FILTERS - FOURSTROKE OUTBOARD**

#### FOURSTROKE OUTBOARD OIL FILTER



#### 35-822626Q03

FourStroke Outboard replaceable screw-on type canister filters. Fits Mercury/Mariner 8/9.9 hp. FourStroke outboards (323cc) , 15/20 hp. FourStroke constroke carbureted outboards, 15/20 EFI FourStroke outboards, 0R833820 and above and the 25/30 hp. EFI FourStroke outboard (MY2006 & newer). Quicksilver Branded, Box Point of Sale Packaged.

#### FOURSTROKE OUTBOARD OIL FILTER



#### 35-8M0065103

FourStroke Outboard replaceable screw-on type canister filters.

Fits Mercury/Mariner 25 hp. FourStroke (Carb, MY2006 & prior), 30 hp. FourStroke (3 cyl., MY2005 & prior), all 40-60 hp. FourStroke outboards (MY 1998 & newer), all 75-115 hp. FourStroke outboards (USA 1B366822 & prior), and all 75-115 hp. FourStroke outboards (USA 2B094996 and above).

Priced individually, sold @ multiples of 6

Quicksilver Branded, Box Point of Sale Packaged.

#### **OIL DRIP TRAY**



#### 8M0052100

After the oil resevoir has been properly drained, this tray when in place will help to prevent oil from dripping into the lower cowl when removing the side mounted engine filters listed in the application.

Fits the F25/30hp. EFI FourStroke Outboards and the F40-60hp. FourStroke outboards.

# FOURSTROKE OUTBOARD OIL FILTER



#### 35-822626T 7

Replaceable screw-on type canister filters. Requires filter wrench 91-888734. Fits Mercury/Mariner 225 hp. (V-6) FourStroke outboard.

#### FOURSTROKE OUTBOARD OIL FILTER



#### 35-822626Q15

Replaceable screw-on type canister filters.

Fits Mercury/Mariner V-225 hp. (V-6) FourStroke outboard and also replaces Yamaha 225 hp. four stroke outboard filter 69J-13440-00-00.

Quicksilver Branded

# FOURSTROKE OUTBOARD OIL FILTER



#### 35-877761Q01

Replaceable screw-on type canister filter.

Fits the 75/90/115 hp. FourStroke outboard (USA 1B366823-2B094995, 1731 cc.) and the 150 hp. EFI FourStroke outboard.

Quicksilver Branded, Box Point of Sale Packaged.

#### FOURSTROKE OUTBOARD OIL FILTER



#### 35-877767Q01

Replaceable screw-on type canister filter. Replaces the production 896546\_ series

Fits the 135/150/175/200 hp. Verado In-line 4 cylinder outboard. Quicksilver Branded, Box Point of Sale Packaged.

#### FOURSTROKE OUTBOARD OIL FILTER



#### 35-877769Q01

Replaceable screw-on type canister filter. Replaces the production 883701\_ series

Fits the 200/225/250/275/300/350/400R hp. Verado In-line 6 cylinder outboard. Quicksilver Branded, Box Point of Sale Packaged.

#### FOURSTROKE OUTBOARD OIL FILTER

Image not Available.

#### 35-8M0123025

Replaces screw-on canister filters. Requires filter wrench #889277 Fits: 175-300HP V6 (3.4L) and V8 (4.6L) FourStroke outboards. Mercury Branded, Box Point of Sale Packaged.

#### **OIL FILTER WRENCH**



#### 91-802653Q02

This is a formed metal tool for strength and durability.

Fits replaceable screw-on type canister oil filters wherever found on current Mercury/Mariner FourStroke outboards 9.9 thru 60 hp., the 75-115 hp. s/n 1B366822 & below, and the 75-115 hp. s/n 2B094996 and above..

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **OIL FILTER WRENCH**



#### 91-889277002

Made of metal. Requires a 3/8" drive.

Fits the Mercury 35-822626T 7 screw-on type canister oil filter found on the V-225 hp. FourStroke outboard.

# **OIL FILTER WRENCH**



#### 91-889277

Made of metal. Requires a 3/8" drive.

Fits the Quicksilver 35-822626Q15 screw-on type canister oil filter found on the V-225 hp. FourStroke outboard and the new 877767\_\_ & 877769\_\_ series filters for the 135-300 Verado.

#### **OIL FILTER WRENCH**



# 91-889277Q01

Metal wrench, requires a 3/8 in. drive ratchet.

Fits the (877761  $\dot{}$  ) oil filter found on the 75-115 EFI FourStroke outboard (serial number 1B366823-2B094995) and the 150 hp. EFI FourStroke outboard. Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **OIL FILTER WRENCH**



#### 91-889277Q03

Metal wrench, requires a .375 in. drive ratchet.

Removes the  $896546\_$  series and  $883701\_$  series production oil filters found on the early Verado 135-275 hp. FourStroke outboards.

#### **OIL DRAIN FUNNEL KIT**



#### 91-892866A01

Helps to direct draining crankcase oil past the cavitation plate. Fits the XL version of the L6 Verado outboard.

#### **OIL DRAIN PUMP**



#### 802889Q 1

8/9.9 4-stroke outboards require additional adapter 828369
Fits all MCM/MIE engines with threaded fitting on dipstick tube, and Mercury/
Mariner 8/9.9 FourStroke outboards MY2004 and prior.
Quicksilver Branded, Hanging Box Point of Sale Packaged.

#### **ADAPTER**



#### 828369

Adapts the standard threaded style MerCruiser crankcase pump for use on the Mercury/Mariner 8/9.9 hp. FourStroke outboards (MY2004 & prior) and the 15hp. FourStroke outboard (323cc).

#### **OIL PUMP EXTRACTION TUBE**



.375 in O.D. tube, 19.5 in. long

Connects to the crankcase oil pump for use on the Zeus drive and various Mercury/ Mariner FourStroke outboards.

# OIL LEVEL STATUS KIT



#### 8M0142265

Optional kit for to report oil level status to be used in conjunction with SmartCraft gauges or displays.

Feature comes standard on 4.6L V8 Verado AMS. Can be added to 3.4L V6 and 4.8L V8 engines that do not have this feature. Oil level status can be viewed on VesselViews and SmartCraft gauges.

# **LIFTING DEVICES - OUTBOARD**

# **LIFTING STRAP**



#### 91-883705T01

An engine lifting strap for handling of the 225 EFI and the "NEW" V6 (3.4L) and V8 (4.6L) FourStroke outboards

# LIFTING EYE/FLYWHEEL PULLER



#### 91-895343T02

A combination tool utilized for both lifting the engine and for pulling the flywheel. Fits the 75-115 hp. FourStroke outboards (s/n 1B366823 and above), 135-300 hp. Verado outboards and the F150 EFI FourStroke outboard.

# **MERCATHODE**

Automatically protects the drive unit from galvanic corrosion. The increased output provides greater protection for underwater aluminum parts. Its reliable, efficient operation requires an insignificant amount of current when protection is needed.

#### **MERCATHODE KIT**



#### 88334A 2

Transom mounted system is mounted with the anode and reference electrode on (and through) the transom of the boat on opposite sides of the drive. The new Gen III MerCathode controller with the blue decal is mounted inside the boat.

Fits all boat applications with a 12 volt operating system.

#### **MERCATHODE ANODE**



#### 72957A 5

Replacement anode assembly for 88334 series Mercathode systems.

#### MERCATHODE ELECTRODE



#### 72958A 5

Replacement electrode assembly for 88334 series Mercathode systems.

#### MERCATHODE REFERENCE ELECTRODE TESTER



#### 91-8M0135998

Use with a digital multimeter to test the function of Mercathode systems. Senses an electrical current in the water when testing the Mercathode system.

# **KICKER STRAP KIT**

#### **KICKER STRAP KIT**



#### 896297A01

Aids power tilt versions in preventing excessive bouncing and stress to transom clamp brackets when fully tilted. Will automatically straighten engine in fully trimmed position. If kicker is attached to main engine for steering, attachment must be disconnected for main engine steering when the kicker engine is not in use. Furnished standard with the MY 2005 & newer, 9.9 hp. ELHPT FourStroke, this kit can be added to the MY 2005 & newer, 9.9 hp. ELPT & EXLPT models.

# **ANODES - OUTBOARD KITS**

# **ANODE KIT**



#### 97-8M0107546

Aluminum anodes - For use in saltwater or freshwater.

This is a complete anode kit to replace all factory installed anodes found on the transom and gearcase. Fasteners are included.

Fits Mercury/Mariner: 40-60HP EFI FourStroke BigFoot/Command Thrust only, 75-115HP EFI FourStroke (18366823-28094995), 75-115HP EFI FourStroke (28094996 and Up) Standard gearcase model only.

Quicksilver Branded, Box Point of Sale Packaged.

#### **ANODE KIT**



#### 97-8M0107548

Aluminum anodes - For use in saltwater or freshwater.
This is a complete anode kit to replace all factory installed anodes found on the transom and gearcase. Fasteners are included.

Fits Mercury/Mariner: 75-115HP EFI FourStroke (2B094996 and Up) BigFoot and Command Thrust gearcase only, 150HP EFI FourStroke (1B905505 and Up). Quicksilver Branded, Box Point of Sale Packaged.

#### **ANODE KIT**



#### 97-8M0107550

Aluminum anodes - For use in saltwater or freshwater. This is a complete anode kit to replace all factory installed anodes found on the transom and gearcase. Fasteners are included.

Fits Mercury/Mariner: 135-200HP 4 cylinder Verado, 75-115 (1.5L) and 135-250HP (2.5L and 3.0L) Optimax engines.

Quicksilver Branded, Box Point of Sale Packaged.

#### ANODE KIT



# 8M0126670

Aluminum anodes - For use in saltwater or freshwater.
This is a complete anode kit to replace all factory installed anodes found on the transom and gearcase. Fasteners are not included.

Fits the 6 cylinder, 200-300Hp. Verado outboards. Quicksilver Branded, Box Point of Sale Packaged.

#### ANODE KIT



#### 97-8M0116589

Aluminum anodes - For use in saltwater or freshwater. This is a complete anode kit to replace all factory installed anodes found on the transom and gearcase. Fasteners are included.

350HP L6 Verado (1B716557 and Up).

Quicksilver Branded, Box Point of Sale Packaged.

#### ANODE BULK PACK



#### 8M0059338

 $25\,\text{Aluminum}$  Trim Tab anodes per box. Equivalent to the individually packaged 31640T4/Q4 .

Fits most Mercury/Mariner outboards 35 hp. & above and all MerCruiser except Bravo. Check for adequate propeller clearance prior to operation.

# ANODE BULK PACK



#### 8M0059339

10 Aluminum Anodic Plates per box. Equivalent to individually packaged 76214Q5/T5. Provides additional clearance for high rake propellers. Fits Mercury/Mariner 35-300hp, Force 90 & 120hp 1995 and newer, MerCruiser Alpha One Gen II and Bravo I, II, III, X XR & XZ drives.

#### ANODE POWER TRIM BULK PACK



#### 8M0059343

20 Aluminum Power Trim Tab anodes per box. Located on the bottom of the external power trim pump assembly. Equivalent to the 818298Q1/T1. No hardware is included in the bulk pack of 20 pieces.

Fits Mercury/Mariner 30/40 FourStroke, 40 (4 cylinder), 50 (3 cylinder) 40-97, 55 (3 cylinder), 60-90 (3 cylinder) 4987 & newer), 75 (4 cylinder), 75/90 FourStroke, 100-125 (4cyl), 115 (6 cylinder) 4984-1988), and all V-6 and OptiMax outboard engines.

#### ANODE SIDE POCKET BULK PACK



#### 8M0059344

10 Aluminum side pocket anodes per box Located in side pockets on the gearhousing just above the cavitation plate. Equivalent to the 826134Q/T. No hardware included in this bulk pack of 10 pieces.

Fits Mercury/Mariner 30-300hp outboards and also fits Force 90 & 120hp 1995 and newer outboards.

# **ANODES - TRIM TAB/PLATE**

# ANODE



#### 14205M

Aluminum

Fits Mariner 6C (6H8), 6D (6H6), and 8C (6G1).

#### **ANODE PLATE**



15300

#### **TRIM TAB**



#### 17264T 2

Fits Force Model 70B (1991), Force 70A (1992), Force 70C (1991-1992), Force 70 (0E000001-0E138599), Force 75 (0E138600-0E344999), Mercury/Mariner F40 FourStroke, 3 cylinder, Longshaft (CHN 1C000001-1C049738), Mercury/Mariner F40/50/60 FourStroke 996cc (standard gearcase 1.83:1 ratio) and also fits the Mercury/Mariner 50hp. 2-cycle, 3 cylinder, standard gearcase (USA 0D000750-0G589999, BEL 9683055-9973099), and 55/60hp. 2-cycle, 3 cylinder, standard gearcase (USA 0D000750 and above, BEL 9683055 and above).

#### **TRIM TAB**



#### 31640T 6

Magnesium - For freshwater use only. Do not use in Saltwater applications. Fits most Mercury/Mariner outboards 35 hp. & above and all MerCruiser except Bravo. Check for adequate propeller clearance prior to operation.

#### 31640Q4

Fits most Mercury/Mariner outboards 35 hp. & above and all MerCruiser except Bravo. Check for adequate propeller clearance prior to operation. Quicksilver Branded, Clamshell Package Point of Sale Packaged.

Magnesium - For freshwater use only. Do not use in Saltwater applications. Fits most Mercury/Mariner outboards 35 hp. & above and all MerCruiser except Bravo. Check for adequate propeller clearance prior to operation.

100

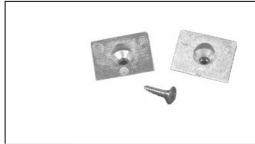
#### **TRIM TAB**



#### 31640T07

EDP - Black, this painted tab will not perform an anodic function. Fits most Mercury/Mariner outboards 35 hp. & above and all MerCruiser except Bravo. Check for adequate propeller clearance prior to operation.

#### **ANODE KIT**



#### 42121Q02

Aluminum, located under the cavitation plate on the following products. Force Standard Gearcase Models: 9.9/15 hp. 2-cycle MY1998

Mercury/Mariner Standard Gearcase Models: 6/8/9.9 hp. 2-cycle MY1986 & newer F8/9.9 hp. FourStroke MY1995-2004 F13.5 hp. FourStroke MY2001 & newer F15 hp. FourStroke MY2006 XR10 10 Marathon 10 Seapro 10 Viking

# **PLATE ASSY**



Quicksilver Branded, Clamshell Package Point of Sale Packaged.

47820A 1

Zinc

#### **ANODIC PLATE**



#### 76214Q 5

Aluminum

Provides additional clearance for high rake propellers.

Fits Mercury/Mariner 35-300hp, Force 90 & 120hp 1995 and newer, MerCruiser Alpha One Gen II and Bravo I, II, III, X XR & XZ drives.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### 76214A 6

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Mercury/Mariner 35-300 HP, Force 90 & 120 HP 1995 and newer, MerCruiser Alpha One Generation II and Bravo I, II and III drives.

# **ANODIC PLATE**



#### 76214T 1

Aluminum

#### **ANODIC PLATE**



#### 76214T 3

Zinc

#### **TRIM TAB**



#### 82795T

Zinc

Fits early Mariner models 20C (6A9), 25C (695), 28 (664), 30A (689).

# **ANODE**



#### 83394M

Aluminum

#### **TRIM TAB**



#### 83859T

Zinc

Fits early Mariner outboards 40B (676), 40C (6E9), 48 (670), W-48 (670), 55 (663), and 60 (675).

# **TRIM TAB**



# 94286T 1

Aluminum

Fits the Mercury/Mariner 18/25hp. 2-cycle outboards that use the top inserted screw.

#### **TRIM TAB ANODE**



## 98432Q 6

Zinc

Fits Mercury/Mariner 9.9/15hp (323cc) FourStroke Bigfoot, Force 25 hp (0E090400-0E344999) and various Mercury/Mariner 2-cycle outboard models (15 hp SeaPro thru 25 hp).

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **TRIM TAB**



#### 803833T

EDP painted, this tab will not perform an anodic function. Fits the Mercury/Mariner 250/275 carbureted models, 1989-1994.

#### **TRIM TAB**



#### 822157T 2

Zind

Fits the F25 FourStroke (Carb models), F30 FourStroke (0G760300-1B226999, 0P094500-0P400999), F40 FourStroke 3-cylinder (0G760300-1B344398, 0P094500 and above), F40/45/50 FourStroke (935cc, standard gearcase).

# **TRIM TAB ANODE**



#### 822777Q 1

Aluminum

For applications where extra clearance is required for high rake propellers. Fits most Mercury/Mariner 35 hp and above, Force 90/120 (1995 and newer), and all Mercury MerCruiser engines.

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# 822777A 2

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits most Mercury/Mariner 35 hp and above, Force 90/120 (1995 and newer), and all Mercury MerCruiser engines.

#### ANODE



#### 823913Q

#### Aluminum

Fits Mercury/Mariner 2.5/3/3.3 hp 2-cycle outboards (1990 and newer), F2.5/3.5 hp. FourStroke (MY 2006 and newer), and 6-40 hp 2-cycle outboards of Japanese origin (serial number 0N000001 & above).

Priced individually, sold @ multiples of 2

#### **TRIM TAB**



#### 8M0091534

EDP painted, this tab does not provide anodic protection.

Assists with mechanical steering torgue on standard gearcase models of the F75-115 FourStroke, s/n 2B094996 and above.

#### **ANTI VENT PLATE**

Image not Available.

#### 97-8M0137814

Aluminum

Fits: 175-300HP V6 (3.4L) and V8 (4.6L) FourStroke outboards.

Mercury Branded

# ANODES - TRANSOM BRACKET/POWER TRIM

# ANODE

Aluminum



# **POWER TRIM ANODE**



#### 818298Q 1

#### Aluminum

Located on the bottom of the external power trim pump assembly. Fits Mercury/Mariner 30/40 FourStroke, 40 (4 cylinder), 50 (3 cylinder 1987-1997), 55 (3 cylinder), 60-90 (3 cylinder) 75 (4 cylinder), 75/90 FourStroke, 100-125 (4cyl), 115 (6 cylinder 1984-1988), and all V-6 and OptiMax outboard engines. "NEW" V6 (3.4L) & V8 (4.6L) \*excluding Verado and Verado Seapro FourStroke outboards.

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **POWER TRIM ANODE**



# 8M0057772

Aluminum. Located on the bottom of the external power trim assembly. Fits the 150 Hp. EFI FourStroke outboard, 1B905505 and above.

# **POWER TRIM ANODE**



#### 818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.

Fits Mercury/Mariner 30/40 FourStroke, 40 (4 cylinder), 50 (3 cylinder 1987-1997), 55 (3 cylinder), 60-90 (3 cylinder 1987 & newer), 75 (4 cylinder), 75/90 FourStroke, 100-125 (4cyl), 115 (6 cylinder 1984-1988), and all V-6 and OptiMax outboard engines.

# **ANODE**



#### 823912

Aluminum, Round style.

Fits Mercury/Mariner 4/5 hp. 2-cycle (MY1987 & newer), F4/5/6 hp. FourStroke (MY1999 & newer), F8/9.9 hp. FourStroke (MY2005 & newer), 15 hp. 2-cycle Seapro (MY2005 & newer), F25/30 EFI FourStroke (MY2006 & newer).

# **ANODE KIT**

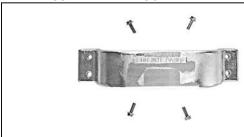


#### 825271 1

Aluminum

Fits the Mercury/Mariner 25hp Carbureted FourStroke outboard Model Years 1998-2006, and also fits the Mercury/Mariner 40/50hp 3 cylinder, 2-cycle outboard (USA 0G590000 & above, BEL 9973100 & above).

#### PLATE ASSEMBLY-TRANSOM BRACKET



## 89949A 1

Aluminum

Transom bracket anode that fits Mercury/Mariner V-6 outboards, V-150/150XR-2 (USA 6616990 and below), V-175 (USA 6618750 and below), V-200 (USA 6055032 and below), V-250/275 Carb (0C101891 and above), and the V-3.4 Litre.

# **ANODE**



## 8M0001734

Aluminum

Fits Mercury/Mariner 350HP SCI L6 Verado (1B716557 and Up) and 350/400HP L6 Verado (2B141617 and Up).

#### **POWER TRIM ANODE**



#### 880653

Aluminum, Power Trim

Fits: L6 Verado (200hp to 350hp). "NEW" V8 (4.6L) Verado and Verado SeaPro FourStroke outboards.

# **ANODES - SIDE MOUNTED/POCKET**

#### **ANODE**



#### 18852M

Aluminum

# **ANODE**



#### 819232

Aluminum, side mounted anode.

Fits Force outboards, 1991 (90E, 90H, 120H), 1992 (90A, 90C, 120A, 120C), and 1992-1994 (90/120/150 0E000001-0E093699).

# **ANODE**



#### 823912

Aluminum, Round style.

Fits Mercury/Mariner 4/5 hp. 2-cycle (MY1987 & newer), F4/5/6 hp. FourStroke (MY1999 & newer), F8/9.9 hp. FourStroke (MY2005 & newer), 15 hp. 2-cycle Seapro (MY2005 & newer), F25/30 EFI FourStroke (MY2006 & newer).

# SIDE POCKET ANODE



#### 826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate. Fits Mercury/Mariner 30-300hp outboards and also fits Force 90 & 120hp 1995 and newer outboards.

Priced individually, sold @ multiples of 3

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### 826134T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate. Fits Mercury/Mariner 35-300hp outboards and Force 90 & 120hp 1995 and newer outboards

# **ANODES - PROP NUT/SPOOL**

# REPLACEMENT PROP NUT ANODE



#### 809662T

2 in. Aluminum Anode Shell Replacement Shell for 809662A 1

# PROP NUT ANODE KIT



# 809664A 1

1-1/8 in. Shaft, 3/4 in. NF 16

Fits Mercury/Mariner 70 hp and higher outboards (except 225 EFI FourStroke); Also fits MC-I, R, MR, Alpha, Bravo One & TRS sterndrives (1970 & newer)

# **ANODES - MERCURY THRUSTER**

# ANODE



M879341T

Aluminum

# **ANODES - MARINER CYL. BLOCK & EXH. TUBE**

# ANODE



83394M

Aluminum

#### ANODE-HANGING



## 809690A 1

Aluminum

Provides additional corrosion protection when boat is at mooring. Fits all applications when hung over side of the boat.

# **ANODE APPLICATION CHARTS**

# Mercury/Mariner FourStroke Outboard Anodes

Model	Model Notes		Serial # Range	Anodic Trim Tab/Plate	Mat.	Anodic Mat. P/T Plate	Side Mounted Anodes	Mat.
4 FourStroke	With round Anode	JPN	0R000001 and up	N/A		N/A	823912	Alum.
		BEL	0P073456 and up					
4 FourStroke	With square Anode	JPN	0R000001 and up	N/A		N/A	875208	Alum.
		BEL	0P073456 and up					
5 FourStroke	With round Anode	JPN	0R000001 and up	N/A		N/A	823912	Alum.
		BEL	0P073456 and up					
5 FourStroke	With square Anode	JPN	0R000001 and up	N/A		N/A	875208	Alum.
		BEL	0P073456 and up					
6 FourStroke	With round Anode	JPN	0R000001 and up	N/A		N/A	823912	Alum.
		BEL	0P073456 and up					
6 FourStroke	With square Anode	JPN	0R000001 and up	N/A		N/A	875208	Alum.
		BEL	0P073456 and up					
8 FourStroke	Standard Gearcase	JPN	0R042475 and up	853762T01	Zinc	N/A	N/A	
		BEL	0P325500 and up					
8 FourStroke	Bigfoot Gearcase	JPN	0R042475 and up	853762T01	Zinc	875208	N/A	
		BEL	0P325500 and up					
8 FourStroke	Bodensee	USA	0G760300 - 0T178499	42121Q02	Alum.	N/A	N/A	
8 FourStroke	Bodensee	BEL	0P086824 - 0P325499	98432T 6	Zinc	N/A	N/A	
9.9 FourStroke	Standard Gearcase	USA	0G760300 - 0T979999	42121Q02	Alum.	N/A	N/A	
9.9 FourStroke	Standard Gearcase	BEL	0P075166 - 0P325499	853762T01	Zinc	875208		
9.9 FourStroke	Standard Gearcase	JPN	0R042475 and up	853762T01	Zinc	N/A	N/A	
		BEL	0P325500 and up					
9.9 FourStroke	Bigfoot Gearcase	USA	0H000058 - 0H016909	98432T 6	Zinc	N/A	N/A	
		USA	0G760300 - 1B226999					
		BEL	0P075166 - 0P400999					
9.9 FourStroke	Bigfoot Gearcase	JPN	0R042475 and up	853762T01	Zinc	875208	N/A	
		BEL	0P325500 and up					
15 FourStroke	Standard Gearcase, 323cc	USA	0G590000 - 1B727495	42121Q02	Alum.	N/A	N/A	
		BEL	9973100 and up					
15 FourStroke	Bigfoot Gearcase, 323cc	USA	0G590000 - 1B727495	98432T 6	Zinc	N/A	N/A	
		BEL	9973100 and up					
15 FourStroke	Sea Pro	JPN	0R051685 - 0R833819	803731	Zinc	823913Q	N/A	
15 FourStroke	351cc.	JPN	0R235949 - 0R833819	853762T01		875208	N/A	
20 FourStroke	351cc.	JPN	0R235168 - 0R833819	853762T01		875208	N/A	
25 FourStroke	Carb	USA	0G590000 - 1B344298	822157T 2	Zinc	825271 1 Alum.	N/A	
		BEL	9973100 - 0P388282					
25 FourStroke	EFI, Manual Trim	JPN	0R106999 and up	853762	Zinc	804043	N/A	
25 FourStroke	EFI, PowerTrim	JPN	0R106999 and up	853762	Zinc	823912002Alum.	N/A	
25 FourStroke	Sea Pro	JPN	0R051710 and up	853762	Zinc	804043	N/A	
30 FourStroke	3 cylinder	USA	0G760300 - 1B226999	822157T 2	Zinc	818298T 1 Alum.	826134T	Alum.
	•	BEL	0P094500 - 0P400999					
30 FourStroke	EFI	USA	0T409000 - 1B226999	822157T 2	Zinc	818298T 1 Alum.		
		BEL	0P153500 - 0P400999					
30 FourStroke	EFI, Manual Trim	JPN	0R106999 and up	822157T 2	Zinc	804043		
30 FourStroke	EFI, PowerTrim	JPN	0R106999 and up	822157T 2	Zinc	823912002Alum.		
40 FourStroke	3 cylinder, Carb	USA	0G760300 - 1B226999	822157T 2	Zinc	818298T 1 Alum.	826134T	Alum.
	,							

Model	Model Notes		Serial # Range	Anodic Trim Tab/Plate	Mat.	Anodic Mat.	Side Mounted Anodes	Mat.
model	model Notes		John With Hange	raiodio illii idoli ido	mat.	P/T Plate	orde mounted Arroacs	mati
40 FourStroke	3 cylinder, EFI	USA	0T409000 - 1B344398	822157T 2	Zinc	818298T 1 Alum.	N/A	
		BEL	0P153500 and up					
40 FourStroke	3 cylinder, EFI, LongShaft	CHN	1C000001 - 1C049738	17264T 2	Alum.	818298T 1 Alum.	N/A	
40 FourStroke	3 cylinder, EFI, ShortShaft	CHN	1C000001 - 1C049738	822157T 2	Zinc	818298T 1 Alum.	N/A	
40/45 FourStroke	4 cylinder	USA	0G231123 - 0T178499	822157T 2	Zinc	818298T 1 Alum.	N/A	
40 FourStroke	4 cylinder, Carb	USA	0T228405 - 0T598999	822157T 2	Zinc	818298T 1 Alum.	826134T	Alum.
		BEL	0P094500 - 0P206999					
40 FourStroke	4 cylinder, EFI	USA	0T409000 and up	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
		BEL	0P207000 and up					
		CHN	0C000001 and up					
45 FourStroke	BigFoot-Bodensee	USA	0G231123 - 0T178499	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
		BEL	0P017000 and up					
45 FourStroke	Bodensee	USA	0G231123 - 0T178499	822157T 2	Zinc	825271 1 Alum.	N/A	
		BEL	0P017000 and up					
50 FourStroke	Standard Gearcase	USA	0G231123 - 0G760299	822157T 2	Zinc	825271 1 Alum.	N/A	Alum.
50 FourStroke	Standard Gearcase	USA	0G760300 - 0T178499	822157T 2	Zinc	818298T 1 Alum.	N/A	
50 FourStroke	Standard Gearcase	USA	0T178500 - 0T598999	17264T 2	Alum.	818298T 1 Alum.	N/A	
		BEL	9944807 - 0P016999	822157T 2	Zinc	825271 Alum. 1	N/A	
50 FourStroke		BEL	0P017000 - 0P094499	822157T 2	Zinc	818298T 1 Alum.	N/A	
50 FourStroke	Standard Gearcase	BEL	0P094500 - 0P206999	17264T 2	Alum.	818298T 1 Alum.	N/A	
50 FourStroke	Bigfoot Gearcase	USA	0G231123 - 0T598999	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
		BEL	9944807 - 0P206999					
50 FourStroke	EFI	USA	0T409000 - 1B344306	17264T 2	Alum.	818298T 1 Alum.	826134T	Alum.
	EFI	BEL	0P153500 and up	17264T 2	Alum.	818298T 1 Alum.	826134T	Alum.
	EFI	CHN	1C000001 and up	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
60 FourStroke	Carb	USA	0T178500 - 0T598999	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
		BEL	0P094500 - 0P206999					
60 FourStroke	EFI	USA	0T409000 - 1B344306	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
		BEL	0P207000 and up					
		CHN	1C000001 and up					
75 FourStroke	Carb	USA	0G960500 - 1B226999	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
75 FourStroke	EFI, 1596 cc	USA	1B172291 - 1B366822	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
75 FourStroke	EFI, 1731 cc	USA	1B366823 - 2B094995	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
75/80 FourStroke	EFI, 2.1L Standard Gearcase	USA	2B094996 and up	8M0091534	EDP	818298T 1 Alum.	826134T	Alum.
	EFI, 2.1L Command Thrust	USA		76214T 5	Alum.	818298T 1 Alum.	826134T	Alum
80 FourStroke	EFI, 1596 cc	USA	1B227000 - 1B366822	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
80 FourStroke	EFI, 1731 cc	USA	1B366823 - 2B094995	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
90 FourStroke	Carb	USA	0G960500 - 1B226999	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
90 FourStroke	EFI, 1596 cc	USA	1B172291 - 1B366822	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
90 FourStroke	EFI, 1731 cc	USA	1B366823 - 2B094955	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
90/100 FourStroke	EFI, 2.1L Standard Gearcase	USA	2B094996 and up	8M0091534	EDP	818298T 1 Alum.	826134T	Alum.
	EFI, 2.1L Comman Thrust	USA		76214T 5	Alum.	818298T 1 Alum.	826134T	Alum.
100 FourStroke	EFI, 1741 cc	USA	1B172291 - 1B366822	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
100 FourStroke	EFI, 1731 cc	USA	1B366823 - 2B094995	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
115 FourStroke	EFI	USA	0T178500 - 2B094995	31640T07	EDP	818298T 1 Alum.	826134T	Alum.
115 FourStroke	EFI, 2.1L Standard Gearcase	USA	2B094996 and up	8M0091534	EDP	818298T 1 Alum.	826134T	Alum.
	EFI, 2.1L Command Thrust	USA		76214T 5	Alum.	818298T 1 Alum.	826134T	Alum.
135 FourStroke	Verado	USA	1B227000 and up	76214T 5	Alum.	818298T 1 Alum.	826134T	Alum.
150 FourStroke	EFI	USA		76214T 5	Alum.	8M0057772Alum.	826134T	Alum.

Model	Model Notes		Serial # Range	Anodic Trim Tab/Plate	Mat.	Anodic Mat. P/T Plate	Side Mounted Anodes	Mat.
150 FourStroke	Verado	USA	1B227000 and up	76214T 5	Alum.	818298T 1Alum.	826134T	Alum.
175 FourStroke	Verado	USA	1B227000 and up	76214T 5	Alum.	818298T 1 Alum.	826134T	Alum.
200 FourStroke	Verado	USA	1B517159 and up	76214T 5	Alum.	818298T 1 Alum.	826134T	Alum.
200 FourStroke	Verado (6 cyl.)	USA	0T980000 and up	76214T 5	Alum.	880653 893404( 1)	826134T	Alum.
225 FourStroke	EFI	USA	0T653945 and up	888712		888606		
225 FourStroke	Verado	USA	0T980000 and up	76214T 5	Alum.	880653	826134T	Alum.
						893404( 1)		
250 FourStroke	Verado	USA	0T980000 and up	76214T 5	Alum.	880653	826134T	Alum.
						893404( 1)		
275 FourStroke	Verado	USA	0T980000 and up	76214T 5	Alum.	880653	826134T	Alum.
						893404( 1)		
300 FourStroke	Verado	USA	1B517434 and up	76214T 5	Alum.	880653	826134T	Alum.
						893404( 1)		
350 FourStroke	Verado	USA	2B141617 and up	76214T 5	Alum.	8M0012083	826134T	Alum.
						893404( 1)		
						8M0001734		
175-225 FourStroke	V6 (3.4L)	USA	2B529482 and up	97-8M0137814	Alum.	818298T 1		
225-300 FourStroke	V8 (4.6L) *Excludes Verado	USA	2B529482 and up	97-8M0137814	Alum.	818298T 1		
250-300 FourStroke	V8 (4.6L) Verado and Verado SeaPro	USA	2B529482 and up	97- <b>8M0137814</b>	Alum.	893404( 1)		
						880653		

<sup>(1) 4</sup> pcs required

# Mercury/Mariner 2-Cycle Outboard Anodes

Model	Model Notes		Serial # Range	Anodic Trim Tab/ Plate	Mat.	Anodic P/T Plate Mat	Side Mounted Anodes	Mat.
2		USA	0T884302 and up	823913Q	Alum.	N/A	N/A	
2.2M		USA	8075603 and up	823913Q	Alum.	N/A	N/A	
2.5		USA	0A856377 and up	823913Q	Alum.	N/A	N/A	
		BEL	0P017000 and up					
3		USA	0A856377 - 0G710612	823913Q	Alum.	N/A	N/A	
3.3		USA	0D901657 and up	823913Q	Alum.	N/A	N/A	
		BEL	0P017000 and up					
4	1 cylinder	USA	0A809601 - 0G710612	N/A		N/A	823912	Alum.
		BEL	9477830 - 0P016999					
4	With round Anode	USA	0G710613 and up	N/A		N/A	823912	Alum.
		BEL	0P017000 and up					
4	With square Anode	USA	0G710613 and up	N/A		N/A	875208	
		BEL	0P017000 and up					
5	1 cylinder	USA	0A809601 - 0G710612	N/A		N/A	823912	Alum.
		BEL	9477830 - 0P016999					
5	With round Anode	USA	0G710613 and up	N/A		N/A	823912	Alum.
		BEL	0P017000 and up					
5	With square Anode	USA	0G710613 and up	N/A		N/A	875208	
		BEL	0P017000 and up					
6	1 cylinder	USA	0A197112 - 0T800749	42121Q02	Alum.	N/A	N/A	
		BEL	9461526 and up					
7.5 (75)		USA	5206550 and up	N.L.A.	Zinc	N/A	N/A	

Model	Model Notes		Serial # Range	Anodic Trim Tab/ Plate	Mat.	Anodic P/T Plate Mat.	Side Mounted Mat. Anodes
		AUS	8057545 and up				
		BEL	9217756 and up				
		CAN	7125388 and up				
8		USA	0A197112 and up	42121Q02	Alum.	N/A	N/A
ŭ		BEL	9461526 and up	12121002	, udili.	1974	1471
9.8		USA	5206550 and up	N.L.A.	Zinc	N/A	N/A
		AUS	8057545 and up				
		BEL	9217756 and up				
		CAN	7125388 and up				
9.9		USA	0A197112 and up	42121Q02	Alum.	N/A	N/A
		BEL	9792200 - 0P325499				·
10	XR10/Sea Pro	USA	0D038000 and up	42121Q02	Alum.	N/A	N/A
		BEL	9596000 and up				
15		USA	0A197112 and up	42121Q02	Alum.	N/A	N/A
		BEL	9542620 and up				
15		USA	0A197112 and up	98432T 6	Zinc	N/A	N/A
		BEL	9542620 and up				
15	Sea Pro/Marathon	USA	0G044365 and up	42121Q02	Alum.	N/A	N/A
		BEL	9927000 and up				
15	Sea Pro/Marathon	USA	0G044365 and up	98432T 6	Zinc	N/A	N/A
		BEL	9927000 and up				
15	Sea Pro XD	BEL	9927000 - 0P325499	98432T 6	Zinc	N/A	N/A
18		USA	5837437 - 6416712	94286T 1	Alum.	N/A	N/A
		AUS	8071973 and up				
		BEL	9308306 - 9378115				
		CAN	7173723 - 7207857				
18		USA	5837437 - 6416712	98432T 6	Zinc	N/A	N/A
		AUS	8071973 and up				
		BEL	9308306 - 9378115				
		CAN	7173723 - 7207857				
18	Top inserted screw	USA	6416713 - 6443972	94286T 1	Alum.	N/A	N/A
		BEL	9378116 - 9415100				
		CAN	7207858 - 7209532				
18	Bottom inserted screw	USA	6416713 - 6443972	98432T 6	Zinc	N/A	N/A
		BEL	9378116 - 9415100				
		CAN	7207858 - 7209532				
18XD		USA	6443973 - 0B238463	98432T 6	Zinc	N/A	N/A
		BEL	9378151 - 9507380				
		CAN	7209533 - 0A730006				
20XD		USA	6443973 - 0B238463	98432T 6	Zinc	N/A	N/A
		BEL	9415101 - 9507380				
		CAN	7209523 - 0A730006				
20	2 cylinder	USA	0B238464 - 0T979999	98432T 6	Zinc	N/A	N/A
		BEL	9507381 and up				
		CAN	0A730007 and up				
25		USA	5705532 - 6416712	94286T 1	Alum.	N/A	N/A
		AUS	8073258 and up				
		BEL	9315316 - 9378115				
		CAN	7166928 - 7207857				
25	Bottom inserted screw	USA	6416713 - 6443972	98432T 6	Zinc	N/A	N/A
		CAN	7207858 - 7209532				
		BEL	9378116 - 9415100				
25	Top inserted screw	USA	6416713 - 6443972	94286T 1	Alum.	N/A	N/A
		CAN	7207858 - 7209532				
L							

Model	Model Notes		Serial # Range	Anodic Trim Tab/ Plate	Mat.	Anodic P/T Plate	Mat.	Side Mounted Anodes	Mat.
		BEL	9378116 - 9415100						
25XD		USA	6443973 - 0B238463	98432T 6	Zinc	N/A		N/A	
		BEL	9415101 - 9507380						
		CAN	7209533 - 0A730006						
25	Standard & Sea Pro	USA	0B238464 and up	98432T 6	Zinc	N/A		N/A	
		BEL	9507381 and up						
		CAN	0A730007 and up						
30	2 cylinder	USA	0G053314 - 0T598999	822157T 2	Zinc	825271 1	Alum.	N/A	
30		BEL	9854537 - 0P206999						
35	2 cylinder	USA	6445653 and up	31640T 4	Alum.	N/A		N/A	
		CAN	209608 and up						
		BEL	9384476 and up						
35	2 cylinder	USA	6445653 and up	31640T 6	Magn.	N/A		N/A	
		CAN	209608 and up						
		BEL	9384476 and up						
40	2 cylinder	USA	2874704 - 0G053313	31640T 4	Alum.	825271 1	Alum.	N/A	
		AUS	8002335 and up						
		BEL	3339688 - 0P016999						
		CAN	3340783 and up						
40	2 cylinder	USA	2874704 - 0G053313	31640T 6	Magn.	818298T 3	Magn.	N/A	
		AUS	8002335 and up						
		BEL	3339688 - 0P016999						
		CAN	3340783 and up						
40	2 cylinder	USA	0G053314 and up	822157T 2	Zinc	N/A	Zinc	N/A	
		BEL	0P017000 and up						
40	3 cylinder	USA	0G590000 - 0T999999	822157T 2	Zinc	825271 1	Alum.	N/A	
		BEL	9973100 and up						
40	4 cylinder	USA	0C159200 and up	31640T 4	Alum.	818298T 1	Alum.	N/A	
		BEL	9570790 and up						
40	4 cylinder	USA	0C159200 and up	31640T 6	Magn.	818298T 3	Magn.	N/A	
		BEL	9570790 and up						
45	4 cylinder	USA	5531630 and up	31640T 4	Alum.	N/A		N/A	
		AUS	8063985 and up						
		BEL	9248006 and up						
		CAN	7143688 and up						
45	4 cylinder	USA	5531630 and up	31640T 6	Magn.	N/A		N/A	
		AUS	8063985 and up						
		BEL	9248006 and up						
		CAN	7143688 and up						
50	4 cylinder	USA	4357640 and up	31640T 4	Alum.	N/A		N/A	
		AUS	8030090 and up						
		BEL	9107214 and up						
		CAN	7068998 and up						
50	4 cylinder	USA	4357640 and up	31640T 6	Magn.	N/A		N/A	
		AUS	8030090 and up						
		BEL	9107214 and up						
		CAN	7068998 and up						
50	3 cylinder	USA	6428681 - 0B122929	31640T 4	Alum.	N/A		N/A	
		BEL	9385911 - 9469199						
		CAN	7208333 - 0A7211307						
50	3 cylinder	USA	0B122930 - 0D000749	31640T 4	Alum.	818298T 1	Alum.	N/A	
		BEL	9469200 - 9683054						
		CAN	0A721308 and up						

Second	Model	Model Notes		Serial # Range	Anodic Trim Tab/ Plate	Mat.	Anodic P/T Plate	Mat.	Side Mounted Anodes	Mat.
Second   S	50	3 cylinder			17264T 2	Zinc	818298T 1	Alum.	N/A	
100   100	50	3 cylinder, BigFoot			31640T 4	Alum.	818298T 1	Alum.	826134T	Alum.
Second   S										
BEL   STATEMENT	50	3 cylinder			822157T 2	Zinc	825271 1	Alum.	N/A	
BEL   0089911 - 9469199   1949197	55	3 cylinder (1.64:1 ratio)		•	17264T 2	Zinc	818298T 1	Alum.	N/A	
Company   Comp	60	3 cylinder	USA	6428681 - 0B122929	31640T 4	Alum.	N/A		N/A	
Page			BEL	9385911 - 9469199						
BEL			CAN	7208333 - 0A7211307						
CAN	60	3 cylinder	USA	0B122930 - 0D000749	31640T 4	Alum.	818298T 1	Alum.	N/A	
60 (2000)         30 yrlinder BigFoot (2000)         USA (2000)         000000000 and up (2000)         1726417 (2000)         Alum.         8120811 (2000)         Alum.         6261417 (2000)         Alum.			BEL	9469200 - 9683054						
Part			CAN	0A721308 and up						
Section   Sect	60	3 cylinder	USA	0D000750 and up	17264T 2	Zinc	818298T 1	Alum.	N/A	
Part			BEL	9683055 and up						
South   Sout	60	3 cylinder, BigFoot	USA	0D000750 - 0G760299	31640T 4	Alum.	818298T 1	Alum.	826134T	Alum.
65 (650)			BEL	9683055 - 0P016999						
Section   Sect	60	3 cylinder, BigFoot		·	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
66 (60)         3 cylinder         USA (808 collegate)         3293184 - 4571651         31640T 4         Alum.         N/A         N	65 (650)	4 cylinder	USA	1542745 - 3293183	31640T 4	Alum.	N/A		N/A	
AUS   2002074 - 9138824   CAN   70138324   CAN   70138324   CAN   70138324   CAN   70138324   CAN   70138324   CAN   70138324   CAN   7013824   CAN   7013825 - 938910   CAN   7	65 (650)		USA	1542745 - 3293183	31640T 6	Magn.				
BEL   902074 - 913824	65 (650)	3 cylinder	USA	3293184 - 4571651	31640T 4	Alum.	N/A		N/A	
CAN   7019833 - 7087822			AUS	8006640 - 8042349						
Section   Sect			BEL	9020074 - 9135824						
AUS   000604 - 0042349			CAN	7013633 - 7087822						
BEL   9020074 - 9135824   CAN   7013633 - 7087822   CAN   7087823 - 7208332   CAN   7087823 -	65 (650)	3 cylinder	USA	3293184 - 4571651	31640T 6	Magn.	N/A		N/A	
To   To   To   To   To   To   To   To			AUS	8006640 - 8042349						
70			BEL	9020074 - 9135824						
AUS			CAN	7013633 - 7087822						
BEL   9135825 9385910   CAN   7087823 - 7208332   CAN   708873 and up   708873 and u	70	3 cylinder	USA	4571652 - 0A996141	31640T 4	Alum.	N/A		N/A	
CAN   7087823 - 7208332   7087824 - 7208332   7087824 - 7208332   7087824 - 7208332   7087824 - 7208332   7087824 - 7208332   7087825 - 730832   7087825 - 730832   7087825 - 730832   7087825 - 730832   7087825 - 7308325   70			AUS	8042350 and up						
To   Author   To   Solitor   To			BEL	9135825 - 9385910						
AUS   8042350 and up   BEL   9135825 - 9385910   CAN   7087823 - 7208332   70   20   3 cylinder   USA   6432901 and up   8EL   9506481 and up   8EL   9506481 and up   9506481			CAN	7087823 - 7208332						
BEL   9135825 - 9385910   CAN   7087823 - 7208332   70   7087823 - 7208332   70   7087823 - 7208332   70   7087823 - 7208332   70   7087823 - 7208332   70   7087823 - 7208332   70   7087823 - 7208332   70   7087823 - 7208332   70   7087823 - 7208332   70   7087823 - 7208332   70   7087823 - 7087823   7087823 - 7087823   7087823 - 7087823   7087823 - 7087823   7087823 - 7087823   7087823 - 7087823   7087823 - 7087823   7087823 - 7087823   7087823 - 7087823   7087823 - 7087823   7087823 - 7087823   7087823 - 708823   7087823 - 708823   708823   708823   7	70	3 cylinder	USA	4571652 - 0A996141	31640T 6	Magn.	N/A		N/A	
CAN   7087823 - 7208332   TOP   1084   108			AUS	8042350 and up						
To   Solitider   To   Solitider   Soliti			BEL	9135825 - 9385910						
Second   S			CAN	7087823 - 7208332						
75	70	3 cylinder	USA	0A996142 - 0C221999	31640T 4	Alum.	818298T 1	Alum.	N/A	
4 cylinder			BEL	9506481 and up						
4 cylinder       CAN       7208573 and up         75       4 cylinder       USA 6432901 and up BEL 9393856 and up CAN 7208573 and up       31640T 6 Magn. 818298T 3 Magn. 818298T 3 Magn. N/A       Magn. N/A         75       3 cylinder BEL 9483121 - 9793576       USA 0A996142 - 0T979999 MAGN. 9793576       31640T 4 Magn. 818298T 3 Magn. 826134T Magn. 826134T 3 M	75	4 cylinder	USA	6432901 and up	31640T 4	Alum.	818298T 1	Alum.	N/A	
75		4 cylinder	BEL	9393856 and up						
BEL 9393856 and up  CAN 7208573 and up  75 3 cylinder USA 0A996142 - 0T979999 31640T 4 Alum. 818298T 1 Alum. 826134T Alum.  BEL 9483121 - 9793576  75 3 cylinder USA 0A996142 - 0T979999 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.  BEL 9483121 - 9793576  75 BEL 9483121 - 9793576  75 3 cylinder USA 0T980000 and up 31640T07 EDP 818298T 1 Alum. 826134T Alum.  FOR DEP 818298T 1 Alum. 826134T Alum.  S26134T Alum.  S26134T Magn.  S26134T Magn.  S26134T Magn.  S26134T Magn.		4 cylinder	CAN	7208573 and up						
CAN 7208573 and up  75 3 cylinder USA 0A996142 - 0T979999 31640T 4 Alum. 818298T 1 Alum. 826134T Alum.  8EL 9483121 - 9793576  75 3 cylinder USA 0A996142 - 0T979999 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.  8EL 9483121 - 9793576  75 3 cylinder USA 0T980000 and up  8EL 9793577 and up  75 3 cylinder USA 0T980000 and up 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.  888298T 1 Alum. 826134T 3 Alum.  826134T 3 Alum.  818298T 1 Magn. 826134T 3 Magn.	75	4 cylinder	USA	6432901 and up	31640T 6	Magn.	818298T 3	Magn.	N/A	
75 3 cylinder USA 0A996142 - 0T979999 31640T 4 Alum. 818298T 1 Alum. 826134T Alum.  BEL 9483121 - 9793576  75 3 cylinder USA 0A996142 - 0T979999 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.  BEL 9483121 - 9793576  75 3 cylinder USA 0T980000 and up 31640T07 EDP 818298T 1 Alum. 826134T 3 Alum.  BEL 9793577 and up  75 3 cylinder USA 0T980000 and up 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.			BEL	9393856 and up						
BEL 9483121 - 9793576  75 3 cylinder USA 0A996142 - 0T979999 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.  BEL 9483121 - 9793576  75 3 cylinder USA 0T980000 and up 31640T07 EDP 818298T 1 Alum. 826134T Alum.  BEL 9793577 and up  75 3 cylinder USA 0T980000 and up 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.			CAN	7208573 and up						
75 3 cylinder USA 0A996142 - 0T979999 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.  BEL 9483121 - 9793576  75 3 cylinder USA 0T980000 and up 31640T07 EDP 818298T 1 Alum. 826134T Alum.  BEL 9793577 and up  75 3 cylinder USA 0T980000 and up 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.	75	3 cylinder	USA	0A996142 - 0T979999	31640T 4	Alum.	818298T 1	Alum.	826134T	Alum.
BEL         9483121 - 9793576           75         3 cylinder         USA         0T980000 and up         31640T07         EDP         818298T 1         Alum.         826134T         Alum.           BEL         9793577 and up           75         3 cylinder         USA         0T980000 and up         31640T 6         Magn.         818298T 3         Magn.         826134T 3         Magn.			BEL	9483121 - 9793576						
75 3 cylinder USA 0T980000 and up 31640T07 EDP 818298T 1 Alum. 826134T Alum.  BEL 9793577 and up  75 3 cylinder USA 0T980000 and up 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.	75	3 cylinder	USA	0A996142 - 0T979999	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
BEL 9793577 and up 75 3 cylinder USA 0T980000 and up 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.			BEL	9483121 - 9793576						
75 3 cylinder USA 0T980000 and up 31640T 6 Magn. 818298T 3 Magn. 826134T 3 Magn.	75	3 cylinder	USA	0T980000 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
			BEL	9793577 and up						
BEL 9793577 and up	75	3 cylinder	USA	0T980000 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
			BEL	9793577 and up						

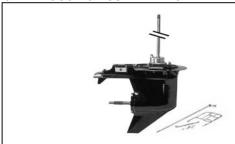
Model	Model Notes		Serial # Range	Anodic Trim Tab/ Plate	Mat.	Anodic P/T Plate	Mat.	Side Mounted Anodes	Mat.
75	3 cylinder, Optimax 1.5L	USA	0T980000 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
75	3 cylinder, Optimax 1.5L	USA	0T980000 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
80 (80, 800)	4 cylinder	USA	2559001 - 6432900	31640T 4	Alum.	N/A	•	N/A	
80 (80, 800)	4 cylinder	USA	2559001 - 6432900	31640T 6	Magn.	N/A		N/A	
80 (80, 800)	4 cylinder	USA	4831999 - 6432900	31640T 4	Alum.	N/A		N/A	
	4 cylinder	AUS	8050200 and up						
	4 cylinder	BEL	9177626 - 9393855						
	4 cylinder	CAN	7110998 - 7208572						
80 (80, 800)	4 cylinder	USA	4831999 - 6432900	31640T 6	Magn.	N/A		N/A	
, , ,	·	AUS	8050200 and up		, i				
		BEL	9177626 - 9393855						
		CAN	7110998 - 7208572						
80	3 cylinder	USA	0A996142 - 0C221999	31640T 4	Alum.	818298T 1	Alum.	N/A	
	,	BEL	9483121 and up						
80	3 cylinder	USA	0A996142 - 0C221999	31640T 6	Magn.	818298T 3	Magn.	N/A	
	,	BEL	9483121 and up		Ü		Ü		
85 (850)	4 cylinder	USA	3493913 - 4831998	31640T 4	Alum.	N/A		N/A	
	,	AUS	8005440 - 8050199						
		BEL	9011604 - 9177625						
		CAN	7010108 - 7110997						
85 (850)	4 cylinder	USA	3493913 - 4831998	31640T 6	Magn.	N/A		N/A	
	7	AUS	8005440 - 8050199		- 3				
		BEL	9011604 - 9177625						
		CAN	7010108 - 7110997						
90 (900)	6 cylinder	USA	1766824 - 1869775	31640T 4	Alum.	N/A		N/A	
90 (900)	,	USA	1766824 - 1869775	31640T 6	Magn.	N/A		N/A	
90 (90, 900)	6 cylinder	USA	4845301 - 6436122	31640T 4	Alum.	N/A		N/A	
	,	AUS	8060545 and up						
		CAN	7111698 and up						
90 (90, 900)	6 cylinder	USA	4845301 - 6436122	31640T 6	Magn.	N/A		N/A	
, , , , ,		AUS	8060545 and up		- 3				
		CAN	7111698 and up						
90	6 cylinder	USA	6436123 - 0A996141	31640T 4	Alum.	818298T 1	Alum.	N/A	
		CAN	7208848 and up						
90	6 cylinder	USA	6436123 - 0A996141	31640T 6	Magn.	818298T 3	Magn.	N/A	
	o oyiii.adi	CAN	7208848 and up	0.0.00	ag	0.0200.0			
90	3 cylinder	USA	0A996142 - 0D283221	31640T 4	Alum.	818298T 1	Alum.	N/A	
	o oyac.	BEL	9483121 - 9793576	0.0.0.	,	0.0200.	7 1101111		
90	3 cylinder	USA	0A996142 - 0D283221	31640T 6	Magn.	818298T 3	Magn.	N/A	
	,	BEL	9483121 - 9793576						
90	3 cylinder	USA	0D283222 and up	31640T 4	Alum.	818298T 1	Alum.	826134T	Alum.
	o oyao.	BEL	9793577 and up	0.0.01	,	0.0200.	7 1101111	0201011	7
90	3 cylinder	USA	0D283222 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
	y <del>-</del> -	BEL	9793577 and up						
90	3 cylinder	USA	0D283222 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
	y <del>-</del> -	BEL	9793577 and up		-			•	
90 Optimax	3 cylinder, 1.5L	USA	0T801000 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
90 Optimax	,,	USA	0T801000 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
95 (950)	6 cylinder	USA	1869776 - 2318585	31640T 4	Alum.	N/A		N/A	y
100 (1000)	, -,···	USA	1768404 - 2318585	31640T 4	Alum.	N/A		N/A	
100 (1000)		USA	1768404 - 2318585	31640T 6	Magn.	N/A		N/A	
100 (1000S) 100 (1000SS/1000BP)		USA	2318586 - 2413843	31640T 4	Alum.	N/A		N/A	
100 (1000SS/1000BP)		USA	2318586 - 2413843	31640T 6	Magn.	N/A		N/A	
100 (100000/100001)			2010000 - 2410040	0 10+010	Muyll.	OVA		14/73	

Model	Model Notes		Serial # Range	Anodic Trim Tab/ Plate	Mat.	Anodic P/T Plate	Mat.	Side Mounted Anodes	Mat.
1000SS		USA	2484633 - 2836018	31640T 4	Alum.	N/A		N/A	
1000SS		USA	2484633 - 2836018	31640T 6	Magn.	N/A		N/A	
100	3 cylinder	USA	0B209468 - 0D283221	31640T 4	Alum.	818298T 1	Alum.	N/A	
		BEL	9793577 - 9793576						
100	3 cylinder	USA	0B209468 - 0D283221	31640T 6	Magn.	818298T 3	Magn.	N/A	
		BEL	9793577 - 9793576						
100	3 cylinder	USA	0D283222 and up	31640T 4	Alum.	818298T 1	Alum.	826134T	Alum.
		BEL	9793577 and up						
100	3 cylinder	USA	0D283222 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
		BEL	9793577 and up						
100	3 cylinder	USA	0D283222 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
		BEL	9793577 and up						
110 (1100)		USA	1870204 - 2314955	31640T 4	Alum.	N/A		N/A	
110 (1100)		USA	1870204 - 2314955	31640T 6	Magn.	N/A		N/A	
115 (115, 1150)	6 cylinder	USA	2836019 - 6435122	31640T 4	Alum.	N/A		N/A	
		AUS	8008665 and up						
		CAN	7010763 and up						
115 (115, 1150)	6 cylinder	USA	2836019 - 6435122	31640T 6	Magn.	N/A		N/A	
		AUS	8008665 and up						
		CAN	7010763 - 7208847						
115	6 cylinder	USA	6436123 and up	31640T 4	Alum.	818298T 1	Alum.	N/A	
		CAN	7208848 and up						
115	6 cylinder	USA	6436123 and up	31640T 6	Magn.	818298T 3	Magn.	N/A	
		CAN	7208848 and up						
115	4 cylinder	USA	0C100000 - 0D283221	31640T 4	Alum.	818298T 1	Alum.	N/A	
		BEL	9559771 - 9793576						
115	4 cylinder	USA	0C100000 - 0D283221	31640T 6	Magn.	818298T 3	Magn.	N/A	
		BEL	9559771 - 9793576						
115	3 cylinder	USA	0D283222 and up	31640T 4	Alum.	818298T 1	Alum.	826134T	Alum.
		BEL	9793577 and up						
115	3 cylinder	USA	0D283222 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
		BEL	9793577 and up						
115	3 cylinder	USA	0D283222 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
		BEL	9793577 and up						
115 Optimax	3 cylinder, 1.5L	USA	0T801000 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
115 Optimax		USA	0T801000 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
V-115	6 cylinder, DFI	USA	0G960500 - 0T178499	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
125 (1250)	6 cylinder	USA	2314956 - 3293233	31640T 4	Alum.	N/A		N/A	
125 (1250)		USA	2314956 - 3293233	31640T 6	Magn.	N/A		N/A	
125	3 cylinder	USA	0D283222 and up	31640T 4	Alum.	818298T 1	Alum.	826134T	Alum.
		BEL	9793577 and up						
125	3 cylinder	USA	0D283222 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
		BEL	9793577 and up						
125	3 cylinder	USA	0D283222 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
		BEL	9793577 and up						
140 (140, 1400)	6 cylinder	USA	3293234 and up	31640T 4	Alum.	N/A		N/A	
		AUS	8052650 and up						
		CAN	7112773 and up						
140 (140, 1400)	6 cylinder	USA	3293234 and up	31640T 6	Magn.	N/A		N/A	
		AUS	8052650 and up						
		CAN	7112773 and up						
150 (1500)	6 cylinder	USA	3502806 - 4865677	31640T 4	Alum.	N/A		N/A	
		AUS	8005615 - 8052649						
		CAN	7010533 - 7112772						

Model	Model Notes		Serial # Range	Anodic Trim Tab/ Plate	Mat.	Anodic P/T Plate	Mat.	Side Mounted Anodes	Mat.
150 (1500)	6 cylinder	USA	3502806 - 4865677	31640T 6	Magn.	N/A		N/A	
		AUS	8005615 - 8052649						
		CAN	7010533 - 7112772						
V-135/150/175	Carb-EFI-DFI	USA	0A904646 - 0D081999	31640T 4	Alum.	818298T 1	Alum.	N/A	
V-135/150/175	Carb-EFI-DFI	USA	0A904646 - 0D081999	31640T 6	Magn.	818298T 3	Magn.	N/A	
V-135/150/XR6/175	Carb-EFI-DFI	USA	0D082000 and up	31640T 4	Alum.	818298T 1	Alum.	826134T	Alum.
V-135/150/XR6/175	Carb-EFI-DFI	USA	0D082000 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
V-135/150/XR6/175	Carb-EFI-DFI	USA	0D082000 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
V-135/150/XR6/175	Carb-EFI-DFI w/ flat anode	USA	0D082000 and up	76214Q 5	Alum.	818298T 1	Alum.	826134T	Alum.
V-135/150/XR6/175	Carb-EFI-DFI w/ flat anode	USA	0D082000 and up	76214A 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
V-150 XR-2		USA	4868998 - 6616990	31640T 4	Alum.	89949A 1	Alum.	N/A	
V-150 XR-2		USA	4868998 - 6616990	31640T 6	Magn.	89949A 1	Alum.	N/A	
V-150 XR-2		USA	6616991 - 0A904646	31640T 4	Alum.	818298T 1	Alum.	N/A	
V-150 XR-2		USA	6616991 - 0A904646	31640T 6	Magn.	818298T 3	Magn.	N/A	
V-150 XR-4	Bottom inserted screw	USA	0B242885 - 0D081999	15300	Zinc	818298T 1	Alum.	N/A	
V-150 XR-4	Top inserted screw	USA	0B242885 - 0D081999	31640T 4	Alum.	818298T 1	Alum.	N/A	
V-200	Carb	USA	5464486 - 6055032	31640T 4	Alum.	89949A 1	Alum.	N/A	
V-200	Carb	USA	5464486 - 6055032	31640T 6	Magn.	89949A 1	Alum.	N/A	
V-200 (2.4/2.5L)	Carb & EFI	USA	5624878 - 0D081999	31640T 4	Alum.	818298T 1	Alum.	N/A	
V-200 (2.4/2.5L)	Carb & EFI	USA	5624878 - 0D081999	31640T 6	Magn.	818298T 3	Magn.	N/A	
V-200 (2.4/2.5L)	Carb & EFI	USA	0D082000 and up	31640T 4	Alum.	818298T 1	Alum.	826134T	Alum.
V-200 (2.4/2.5L)	Carb & EFI	USA	0D082000 and up	31640T 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
V-200 (2.4/2.5L)	Carb & EFI	USA	0D082000 and up	31640T07	EDP	818298T 1	Alum.	826134T	Alum.
V-200 (2.4/2.5L)	Carb-EFI w/ flat anode	USA	0D082000 and up	76214Q 5	Alum.	818298T 1	Alum.	826134T	Alum.
V-200 (2.4/2.5L)	Carb-EFI w/ flat anode	USA	0D082000 and up	76214A 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
V-200 (3.0L)	EFI-DFI-DTS w/ flate anode	USA	0G386496 and up	76214Q 5	Alum.	818298T 1	Alum.	826134T	Alum.
V-200 (3.0L)	EFI-DFI-DTS w/ flate anode	USA	0G386496 and up	76214A 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
V-220 Laser		USA	0B117316 and up	31640T 4	Alum.	818298T 1	Alum.	N/A	
V-220 Laser		USA	0B117316 and up	31640T 6	Magn.	818298T 3	Magn.	N/A	
V-225 (2.4L)		USA	5628028 - 6073191	31640T 4	Alum.	818298T 1	Alum.	N/A	
V-225 (2.4L)		USA	5628028 - 6073191	31640T 6	Magn.	818298T 3	Magn.	N/A	
V-225 (3.0L)	Carb, C-2 Casting w/ trim tab	USA	0D280813 - 0G437999	822777Q 1	Alum.	818298T 1	Alum.	826134T	Alum.
V-225 (3.0L)	Carb, C-2 Casting w/ trim tab	USA	0D280813 - 0G437999	N.L.A.	EDP	818298T 3	Magn.	826134T 3	Magn.
V-225 (3.0L)	Carb, C-2 Casting w/ flat anode	USA	0D280813 - 0G437999	76214Q 5	Alum.	818298T 1	Alum.	826134T	Alum.
V-225 (3.0L)	Carb, C-2 Casting w/ flat anode	USA	0D280813 - 0G437999	76214A 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
V-225 (3.0L)	Carb, C-3 Casting w/ flat anode	USA	0G438000 and up	76214Q 5	Alum.	818298T 1	Alum.	826134T	Alum.
V-225 (3.0L)	Carb, C-3 Casting w/ flat anode	USA	0G438000 and up	76214A 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
V-225/250 (3.0L)	EFI-DFI-DTS w/ flat anode	USA	0G129222 and up	76214Q 5	Alum.	818298T 1	Alum.	826134T	Alum.
V-225/250 (3.0L)	EFI-DFI-DTS w/ flat anode	USA	0G129222 and up	76214A 6	Magn.	818298T 3	Magn.	826134T 3	Magn.
V-250/275	Carb	USA	0C101891 and up	803833T	EDP	89949A 1	Alum.	N/A	
V-3.4 Litre		USA	5611648 and up	N.L.A.		89949A 1	Alum.	N/A	

# **MERCURY, MARINER 3-CYLINDER (70, 75, 80, 90**

# **GEAR HOUSING ASSEMBLY COMPLETE**



#### 1667- 9011J16

Black, 2.3:1 gear ratio. 20" long shaft length. 12 pinion teeth. Includes the newer 6 jaw reverse clutch and a new powerhead gasket with upper shift shaft for correct throw

Fits Mercury 75-125 hp. 2-cycle outboards with 3 jaw reverse clutch

#### 1667- 9011J15

Black, 2.3:1 gear ratio. 20" long shaft length. 12 pinion teeth. Fits Mercury 75-125 hp. 2-cycle outboards with 6 jaw reverse clutch

# MERCURY MARINER 4-CYLINDER (100, 115, 125

# **GEAR HOUSING ASSEMBLY COMPLETE**



## 1667- 9011J 6

Black, 2.07:1 gear ratio. 20" long shaft length. 14 pinion teeth.

Fits Mercury 100/115/125 hp. (4 cylinder) 2-cycle outboards with 6 jaw reverse

Black, 2.3:1 gear ratio. 20" long shaft length. 12 pinion teeth. Includes the newer 6 jaw reverse clutch and a new powerhead gasket with upper shift shaft for correct throw

Fits Mercury 75-125 hp. 2-cycle outboards with 3 jaw reverse clutch

#### 1667- 9011J15

Black, 2.3:1 gear ratio. 20" long shaft length. 12 pinion teeth.

Fits Mercury 75-125 hp. 2-cycle outboards with 6 jaw reverse clutch

#### 1667- 9011J 7

Black, 2.07:1 gear ratio. 20" long shaft length. 14 pinion teeth. Fits Mercury 100/115/125 hp. (4 cylinder) 2-cycle outboards with 3 jaw reverse

# 1667- 9011J37

Black, 2.33:1 gear ratio. 20" long shaft length. 12 pinion teeth. Fits Mercury 75-90 hp. (3-cylinder) 2-cycle OptiMax/DFI outboards.

#### 1667- 9011J33

Black, 2.07:1 gear ratio. 20" long shaft length. 14 pinion teeth. Fits Mercury 115 hp. (3-cylinder) 2-cycle OptiMax/DFI outboards.

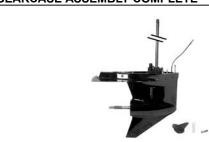
Black, 2.33:1 gear ratio. 25" extra long shaft length. 12 pinion teeth. Fits Mercury 75-90 hp. (3-cylinder) 2-cycle OptiMax/DFI outboards.

#### 1667- 9011J35

Black, 2.07:1 gear ratio. 25" extra long shaft length. 14 pinion teeth. Fits Mercury 75-115 hp. (3-cylinder) 2-cycle OptiMax/DFI outboards.

# **MERCURY, MARINER V-6**

# GEARCASE ASSEMBLY COMPLETE



#### 1647- 9148T81

Black, 2:1 ratio. 20" long shaft. 14 pinion teeth. Standard Rotation (RH)

Fits Mercury 135-200 (2.5L) V-6 outboards

#### 1647- 9148T82

Black, 2:1 ratio. 25" extra long shaft. 14 pinion teeth. Standard Rotation (RH)

Fits Mercury 135-200 (2.5L) V-6 outboards

#### 1647- 9148T84

Black, 1.87:1 ratio. 20" long shaft. 15 pinion teeth. Standard Rotation (RH)

Fits Mercury 135-200 (2.5L) V-6 outboards

#### 1647- 9148T85

Black, 1.87:1 ratio. 25" extra long shaft. 15 pinion teeth. Standard Rotation (RH)

Fits Mercury 135-200 (2.5L) V-6 outboards

#### 1647- 9148T86

Black, 1.87:1 ratio. 25" extra long shaft. 15 pinion teeth. Counter Rotation (LH)

Fits Mercury 135-200 (2.5L) V-6 outboards

# **OUTBOARD GEARCASE ASSEMBLY**



## 1623-859399T13

Black, 1.75 Gear Ratio, 20 " shaft. 12 pinion teeth, Standard Rotation (RH) 13-Spline driveshaft.

Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards. (s/n 1B504988 and prior)

## 1623-859399T14

Black, 1.75 Gear Ratio, 25 " shaft. 12 pinion teeth, Standard Rotation (RH) 13-Spline driveshaft

Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards. (s/n 1B504988 and prior)

#### 1623-859399T15

Black, 1.75 Gear Ratio, 30 " shaft. 12 pinion teeth, Standard Rotation (RH) 13-spline driveshaft.

Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards. (s/n 1B504988 and prior)

# 1623-859399T16

Black, 1.75 Gear Ratio, 25 " shaft. 12 pinion teeth, Counter Rotation (LH) 13 spline driveshaft.

Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards. (s/n 1B504988 and prior)

#### 1623-859399T17

Black, 1.75 Gear Ratio, 30 " shaft. 12 pinion teeth, Counter Rotation (LH) 13 spline driveshaft

Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards. (s/n 1B504988 and prior)

#### **GEARCASE ASSEMBLY COMPLETE**

#### 1600-880686A43

Black, 20 inch (L model) shaft length. 12 pinion teeth, right hand rotation Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

#### 1600-880686A44

Black, 25 inch (XL model) shaft length. 12 pinion teeth, right hand rotation Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

#### 1600-880686A51

Black, 30 inch (XXL model) shaft length. 12 pinion teeth, right hand rotation Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

#### 1600-880686A52

Black, 25 inch (CXL model) shaft length. 12 pinion teeth, left hand counter rotation Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

#### 1600-880686A53

Black, 30 inch (CXXL model) shaft length. 12 pinion teeth, left hand counter rotation

Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

# TORQ MASTER I GEARCASE ASSEMBLY



#### 1689-8M0072952

Silver, 1.75:1 gear ratio, 20 inch. 12 pinion teeth. (L model) driveshaft length Fits the 3.0L Pro XS, right hand rotation, may only be used in Torque Master I applications. Torque Master II may not be substituted.

# TORQ MASTER I GEARCASE ASSEMBLY



#### 1689-8M0072953

Silver, 1.75:1 gear ratio, 25 inch. 12 pinion teeth. (XL model) driveshaft length Fits the 3.0L Pro XS, right hand rotation, may only be used in Torque Master I applications. Torque Master II may not be subtituted.

# MERCURY 40-60 HP 4-STROKE OUTBOARD BIGFOOT GEARCASES

# **GEARCASE ASSEMBLY COMPLETE**



#### 1667- 9011G90

Black, 2.33:1 gear ratio. 20" long shaft length. 12 pinion teeth.

Fits Mercury 40-60 hp Bigfoot 4-Stroke Outboards. (s/n 1C033810 & Below Bigfoot)

# MERCURY 75, 90 & 115 HP 4-STROKE OUTBOARD GEARCASES

# **GEARCASE ASSEMBLY COMPLETE**



#### 1667- 9011J 2

Black, 2.07:1 gear ratio. 20" long shaft length. 14 pinion teeth.

Fits Mercury 75-115 hp  $\,$  4-Cylinder, 4-Stroke Outboards. (s/n 0G960500 - 0T598999)

#### 1600-888845T01

Black, 2.07:1 gear ratio. 20" long shaft length. 14 pinion teeth. Fits Mercury 115 hp 4-Cylinder, 4-Stroke Outboards. (s/n 0T801000 – above)

#### 1600-888845T02

Black, 2.07:1 gear ratio. 25" extra long shaft length. 14 pinion teeth. Fits Mercury 115 hp 4-Cylinder, 4-Stroke Outboards. (s/n 0T801000 – above)

#### 1667- 9011J29

Black, 2.33:1 gear ratio. 20" long shaft length. 12 pinion teeth.

Fits Mercury 75-90 hp 4-Cylinder, 4-Stroke Outboards. (s/n 0T599000 – 0T800999)

#### 1600-888845T03

Black, 2.33:1 gear ratio. 20" long shaft length. 12 pinion teeth.

Fits Mercury 75-90-115 hp 4-Cylinder, 4-Stroke Outboards. (s/n 1B172291 – 1B366822)

# MERCURY 150 HP 4-STROKE OUTBOARD GEARCASES

# **GEARCASE ASSEMBLY COMPLETE**



#### 1600-8M0099218

Black, 1:92:1 gear ratio. 20" long shaft length. 13 pinion teeth.

Fits Mercury 150 hp 4-Cylinder, 4-Stroke Outboards. (s/n 2B138363 - above)

#### 1600-8M0099221

Black, 1:92:1 gear ratio. 25" extra long shaft length. 13 pinion teeth.

Fits Mercury 150 hp 4-Cylinder, 4-Stroke Outboards. (s/n 2B138363 - above)

# **VERADO 135-200 L4 OUTBOARD GEARCASES**

#### **GEARCASE ASSEMBLY COMPLETE**



#### 1600-880686T23

Black, RH, 2.08:1 gear ratio. 20" (L) long shaft length. 13 pinion teeth.

Fits Mercury 135, 150, 175, 200 hp L4 Verado

#### 1600-880686T24

Black, RH, 2.08:1 gear ratio. 25" (XL) extra long shaft length. 13 pinion teeth.

Fits Mercury 135, 150, 175, 200 hp L4 Verado

## 1600-880686T25

Black, LH, 2.08:1 gear ratio. 25" (CXL) extra long shaft length. 13 pinion teeth. Fits Mercury 135, 150, 175, 200 hp L4 Verado

# **VERADO 200-275 L6 OUTBOARD GEARCASES**

#### **GEARCASE ASSEMBLY COMPLETE**



#### 1600-880686T13

Black, 1.85:1 gear ratio, 20 inch. 13 pinion teeth. (L model) driveshaft length, right hand rotation

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

#### 1600-880686T14

Black, 1.85:1 gear ratio, 25 inch. 13 pinion teeth. (XL model) driveshaft length, right hand rotation

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

#### 1600-880686T15

Black, 1.85:1 gear ratio, 25 inch. 13 pinion teeth. (CXL model) driveshaft length, left hand counter rotation

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

#### 1600-880686T16

Black, 1.85:1 gear ratio, 30 inch. 13 pinion teeth. (XXL model) driveshaft length, right hand rotation

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

#### 1600-880686T17

Black, 1.85:1 gear ratio, 30 inch. 13 pinion teeth. (CXXL model) driveshaft length, left hand counter rotation

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

# **VERADO 300 L6 OUTBOARD GEARCASES**

# **GEARCASE ASSEMBLY COMPLETE**



#### 1600-880686T54

Black, 1.75:1 gear ratio, 20 inch. 12 pinion teeth (L model) driveshaft length, right hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

# 1600-880686T57

Black, 1.75:1 gear ratio, 20 inch, 12 pinion teeth, (CL model) driveshaft length, left hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

## 1600-880686T55

Black, 1.75:1 gear ratio, 20 inch, 12 pinion teeth, (XL model) driveshaft length, right hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

#### 1600-880686T58

Black, 1.75:1 gear ratio, 25 inch, 12 pinion teeth, (CXL model) driveshaft length, left hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

#### 1600-880686T56

Black, 1.75:1 gear ratio, 30 inch, 12 pinion teeth, (XXL model) driveshaft length, right hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

#### 1600-880686T59

Black, 1.75:1 gear ratio, 30 inch, 12 pinion teeth, (CXXL model) driveshaft length, left hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

# **MERCRUISER**

# **SPARK PLUGS - MERCRUISER**

# **SPARK PLUG**



33-8M0129146

AC, 41-983 (Platinum)

Fits MCM 496 Mag & HO and MIE 8.1L & HO Priced individually, sold @ multiples of 4

33-862029

AC, MR43LTS

Priced individually, sold @ multiples of 8

33-898264001

AC, MR43T

Priced individually, sold @ multiples of 8

33-813425

NGK, AR6FS

Priced individually, sold @ multiples of 10

33-8M0095454

NGK. BPR5EFS-13

Fits MCM 4.5L & 6.2L Mercury engines Priced individually, sold @ multiples of 10

33-8M0114747

NGK, BPR6ES

Priced individually, sold @ multiples of 4

33-816336Q

NGK, BPR6EFS

Priced individually, sold @ multiples of 10

33-97389

NGK, BPR6FS

Priced individually, sold @ multiples of 10

33-813471 1

NGK, BR6ES

Priced individually, sold @ multiples of 4

33-813415

NGK, B8S

Priced individually, sold @ multiples of 10

33-8M2018369

NGK, ITR4A15 (Iridium)

Fits 2001 & newer MCM/MIE 4.3L, 5.0L, 5.7L & 6.2L MPI engines with ECM 555. Note: Replaces AC# 41-101, 41-932 & 41-993

Priced individually, sold @ multiples of 4

33-813421 4

NGK, R5673-8

Priced individually, sold @ multiples of 4

33-8M0046007

NGK, TR51X (Iridium)

Replaces the 33-803990 NGK# BPR5EFVX

Priced individually, sold @ multiples of 4

# **SPARK PLUG - SHOP PACK**



#### 33-8M0058932

NGK ITR4A15

Shop Pack

Priced individually, sold @ multiples of 25

33-59571B

NGK, BR6FS, check and set gap per owner's manual or the emissions control information decal if present.

25 spark plugs in one shop package.

Priced individually, sold @ multiples of 25

# **SPARK PLUG CHART - MERCRUISER**

# MCM Spark Plug Chart

Model	CID/ #Cyl	Type of Ignition	Year Range	Serial # Range	Spark Plug	Spark Plug Gap
100 Vazer	98/ L4	Delco - HEI	2007 - 2009	1A035000 and up	33-896329818	.035
110	153/ L4	Delco	1963 - 1966	1537370 - 2044033	33-813471 1	.035
120	153/ L4	Delco	1964 - 1974	1666601 - 3825578	33-813471 1	.035
120	153/ L4	Delco	1974 - 1986	3825579 - 0B531853	33-898264001	.035
2.5L	153/ L4	Delco	1987 - 1989	0B531854 - 0C853255	33-898264001	.035
140	181/ L4	Delco	1968 - 1974	2508261 - 3826282	33-813471 1	.035
140	181/ L4	Delco	1974 - 1986	3826283 - 0B450800	33-898264001	.035
3.0L	181/ L4	Delco	1987 - 1989	0B450801 - 0C856558	33-898264001	.035
3.0L	181/ L4	Prestolite	1990 - 1991	0C856559 - 0D504541	33-898264001	.035
3.0L	181/ L4	Delco Digital	1990 - 1991	0C856559 - 0D504541	33-898264001	.035

Model	CID/ #Cyl	Type of Ignition	Year Range	Serial # Range	Spark Plug	Spark Plug Gap
3.0L	181/ L4	EST	1991 - 1994	0D504542 - 0F603999	33-816336Q	.035
3.0L	181/ L4	EST	1998	0L010042 - 0L340999		.035
3.0L		EST	1999 - 2016		33-816336Q	
	181/ L4			0L341000 - 2A506300	33-862029	.045
3.0L MPI	181/ L4	EST	2008 - 2016	1A072812 - 2A502810	33-862029	.045
3.0LX	181/ L4	Prestolite	1990 - 1991	0C856559 - 0D504541	33-898264001	.035
3.0LX	181/ L4	Delco Digital	1990 - 1991	0C856559 - 0D504541	33-816336Q	.035
3.0LX	181/ L4	EST	1991 - 1997	0D504542 - 0K999999	33-816336Q	.035
165	224/ L4	Delco	1987	0B434940 - 0B77451	33- 97389	.035
170	224/ L4	Delco	1985 - 1986	6916779 - 0B434940	33- 97389	.035
180	224/ L4 224/ L4	Delco & Prestolite	1987	0B436391 - 0B775248	33- 97389	.035
190	224/ L4	Delco	1985 - 1986	6916779 - 0B436390	33- 97389	.035
3.7L	224/ L4	Delco	1988 - 1989	0B774252 and up	33- 97389	.035
3.7LX	224/ L4	Delco & Prestolite	1988 - 1989	0B775249 and up	33- 97389	.035
470	224/ L4	Delco	1976 - 1984	4208730 - 6916778	33- 97389	.035
485	224/ L4	Delco	1980 - 1982	5685394 - 6218036	33- 97389	.035
488	224/ L4	Delco	1983 - 1984	6170297 - 6916778	33- 97389	.035
440	404/10	Delen	4000	4520020 4705000	22 042474 4	025
140	194/ L6	Delco	1963	1538930 - 1725960	33-813471 1	.035
150	230/ L6	Delco	1964 - 1966	1666495 - 2048046	33-813471 1	.035
160	250/ L6	Delco	1967 - 1969	2048022 - 2770031	33-813471 1	.035
165	250/ L6	Delco	1970	2770032 - 2771483	33-813471 1	.035
165	250/ L6	Delco	1971 - 1981	2771484 - 5813433	33-898264001	.035
200	292/ L6	Delco	1969	2453769 - 2712072	33-813471 1	.035
185 (4 bbl.)	229/ V-6	Prestolite	1983 - 1984	6330183 - 6919655	33-898264001	.035
175	262/ V-6	Thunderbolt IV	1987	0B527955 - 0B773242	33-898264001	.035
185 (2 bbl.)	262/ V-6	Thunderbolt IV	1985 - 1987	6919656 - 0B527954	33-898264001	.035
205	262/ V-6	Thunderbolt IV	1985 - 1987	0A331455 - 0B775129	33-898264001	.035
262 Mag.(TBI)(Gen+)	262/ V-6	Delco - HEI	1996 - 1997	0F803800 - 0K999999	33-862029	.045
4.3L	262/ V-6	Thunderbolt IV	1988 - 1993	0B773243 - 0F000877	33-898264001	.035
4.3L	262/ V-6	Thunderbolt IV	1993 - 1996	0F000878 - 0F802999	33-898264001	.040
4.3L (Gen +)	262/ V-6	Thunderbolt V	1998 - 2004	0L010044 - 0W300012	33-862029	.045
4.3L TKS	262/ V-6	Thunderbolt V	2004 - 2015	0W300013 - 2A454127	33-862029	.060
4.3L EFI (Gen+)(TBI)	262/ V-6	Delco & Mercury - HEI	1998 - 2001	0L012009 - 0M299999	33-862029	.045
4.3L MPI	262/ V-6	Delco - HEI	2002 - 2016	0M300000 - 2A506375	33-8M2018369	.060
4.3L MPI EC	262/ V-6	Delco - HEI	2011 - 2016	1A637496 - 2A528897	33-8M2018369	.060
4.3LH (Gen +)	262/ V-6	Thunderbolt IV	1998 - 2002	0L010044 - 0M614999	33-862029	.045
4.3LX	262/ V-6		1988 - 1993			.035
4.3LX	262/ V-6 262/ V-6	Thunderbolt IV Thunderbolt IV	1993 - 1996	0B775130 - 0F001219 0F001220 - 0F802999	33-898264001	.040
					33-898264001	
4.3LX (Gen +)	262/ V-6	Thunderbolt IV	1996 - 1997	0F803000 - 0K999999	33-862029	.045
4.3LXH (Gen +)	262/ V-6	Thunderbolt IV	1996 - 1997	0F803000 - 0K999999	33-862029	.045
4.5L MPI	275/ V6	Mercury	2014 - 2019	2A441953 and up	33- <b>8</b> M00 <b>95454</b>	.051
215 MCM & MIE (Ford)	302/ V-8	Autolite	1970 - 1972	2781153 - 3563181	N.L.A.	.030
215 MCM & MIE (Ford)	302/ V-8	Mallory	1970 - 1972	2781153 - 3563181	33-813425	.030
225 MCM & MIE (Ford)	302/ V-8	All	1973 - 1974	3385721 - 4166999	33-813425	.030
888 (Ford)	302/ V-8	All	1971 - 1977	3108723 - 4887829	33-813425	.030
. ,						
190 (8 cyl.)	283/ V-8	Delco	1963 - 1964	1564539 - 1730903	N.L.A.	.035
198 MIE	305/ V-8	Mallory	1977	4776402 - 4931099	33-898264001	.035
200	305/ V-8	Thunderbolt IV	1985 - 1987	6899058 - 0B774444	33-898264001	.035

Model	CID/ #Cyl	Type of Ignition	Year Range	Serial # Range	Spark Plug	Spark Plug Gap
228	305/ V-8	Thunderbolt IV	1983 - 1984	6218462 - 6899268	33-898264001	.035
228 MIE	305/ V-8	Mallory	1977 - 1980	4765100 - 5907057	33-898264001	.035
230	305/ V-8	Thunderbolt IV	1985 - 1987	6899269 - 0B773739	33-898264001	.035
230 MIE (LH)	305/ V-8	Thunderbolt IV	1981 - 1987	5907058 - 0B788151	33-898264001	.035
230 MIE (RH)	305/ V-8	Thunderbolt IV	1981 - 1987	5907058 - 0B788151	33-898264001	.035
5.0L	305/ V-8	Thunderbolt IV	1988 - 1995	0B774445 - 0F600999	33-898264001	.035
5.0L (Gen +)	305/ V-8	Thunderbolt V	1998 - 2004	0L015751 - 0W300009	33-862029	.045
5.0L TKS	305/ V-8	Thunderbolt V	2004 - 2010	0W300010 - 1A607561	33-862029	.060
5.0L EFI (Gen +)	305/ V-8	Delco & Mercury - HEI	1998 - 2001	0L012052 - 0M299999	33-862029	.045
5.0L MIE (LH)	305/ V-8	Thunderbolt IV	1988	0B788152 - 0C396832	33-898264001	.035
5.0L MIE (RH)	305/ V-8	Thunderbolt IV	1988	0B788152 - 0C396832	33-898264001	.035
5.0L MPI	305/ V-8	Delco - HEI	2002 - 2014	0M300000 - 2A445009	33-8M2018369	.060
5.0L MPI EC	305/ V-8	Delco - HEI	2008 - 2014	1A300000 - 2A444777	33-8M2018369	.060
5.0LX	305/ V-8	Thunderbolt IV	1988 - 1995	0B773740 - 0F600999	33-898264001	.035
898	305/ V-8	Mallory	1977 - 1982	4762210 - 6218461	33-898264001	.035
898	305/ V-8	Thunderbolt IV	1983 - 1984	6218462 - 6899057	33-898264001	.035
225 (GM)	327/ V-8	Delco	1963 - 1969	1539620 - 2694014	N.L.A.	.035
225 MIE (GM)	327/ V-8	Thunderbolt	1968	2278647 - 2694014	33-813415	N/A
250 MCM & MIE	327/ V-8	Thunderbolt	1968 - 1969	2314301 - 2639854	33-813415	N/A
200 1110111 & 11112	02.7 * 0	Than do to to	1000 1000	2011001 2000001	33 313113	1471
250	350/ V-8	Mallory	1977	4768000 - 4908849	33-898264001	.035
255 MCM & MIE (GM)	350/ V-8	Mallory & Mercury	1975 - 1976	3258728 - 4767999	33-898264001	.035
260	350/ V-8	Mallory	1978 - 1982	4908850 - 6218461	33-898264001	.035
260	350/ V-8	Thunderbolt IV	1982 - 1987	6218462 - 0B773304	33-898264001	.035
260 MIE (LH)	350/ V-8	Thunderbolt IV	1981 - 1987	5907058 - 0B788151	33-898264001	.035
260 MIE (RH)	350/ V-8	Thunderbolt IV	1981 - 1987	5907058 - 0B788151	33-898264001	.035
270 MCM & MIE	350/ V-8	Thunderbolt	1969 - 1972	2851074 - 3385720	33-813415	N/A
280 TRS	350/ V-8	Mercury	1975	4176250 - 4499390	33-898264001	.035
280 TRS	350/ V-8	Mallory	1976	4499391 - 4770199	33-898264001	.035
300	350/ V-8	Thunderbolt IV	1985 - 1986	6668677 - 0B430367	33-898264001	.035
320 EFI	350/ V-8	Thunderbolt IV	1987 - 1989	0A543604 - 0C622418	33-898264001	.035
350 Mag. Alpha	350/ V-8	Thunderbolt IV & V	1986 - 1997	0A635178 - 0K999999	33-898264001	.035
350 Mag. Alpha EFI (Gen+)	350/ V-8	Delco - HEI	1996	0K001509 - 0K999999	33-862029	.045
' ' ' '	350/ V-8	Delco - HEI	1995	0F415189 - 0F601999	33-898264001	.035
350 Mag. Bravo MPI	350/ V-8	Delco - HEI	1996 - 1997	0F602000 - 0K999999	33-862029	.045
350 Mag. Bravo MPI (Gen+) 350 Mag. EFI Ski	350/ V-8	Delco - HEI	1994 - 1997	0F215561 - 0K999999	33-862029	.045
		Delco - HEI	1998			.045
350 Mag. MPI (Gen+)	350/ V-8			0L010019 - 0L325952	33-862029	
350 Mag. MPI (Gen+)	350/ V-8	Mercury -HEI	1999 - 2001 2002 - 2015	0L325953 - 0M299999	33-862029	.045
350 Mag. MPI	350/ V-8	Delco - HEI		0M300000 - 2A455872	33-8M2018369	.060
350 Mag. MPI EC	350/ V-8	Delco - HEI	2008 - 2015	1A300000 - 2A455878	33-8M2018369	.060
350 Mag. MPI Horizon	350/ V-8	Delco - HEI	2002 - 2007	0M300000 and up	33-8M2018369	.060
350 Mag. MPI Horizon MIE	350/ V-8	Mercury -HEI	1999 - 2001	0L304700 - 0M299999	33-8M0046007	.045
350 Mag. MPI Horizon MIE	350/ V-8	Delco - HEI	2002 - 2007	0M300000 - 1A089999	33-8M2018369	.060
350 Mag. MPI MIE (Gen+)	350/ V-8	Delco - HEI	1998	0L002008 - 0L302199	33-862029	.045
350 Mag. MPI MIE (Gen+)	350/ V-8	Mercury -HEI	1998 - 2001	0L302200 - 0M299999	33-862029	.045
350 Mag. MPI MIE	350/ V-8	Delco -HEI	2002 - 2007	0M300000 - 1A089999	33-8M2018369	.060
350 Mag. MPI Ski	350/ V-8	Delco - HEI	1995 - 1996	0F350583 - 0F799999	33-898264001	.035
350 Mag. MPI Ski (Gen+)	350/ V-8	Delco - HEI	1998	0L002600 - 0L304599	33-862029	.045
350 Mag. MPI Ski (Gen+)	350/ V-8	Mercury -HEI	1999 - 2001	0L304600 - 0M299999	33-862029	.045
350 Mag. MPI Ski	350/ V-8	Delco -HEI	2002 - 2007	0M300000 - 1A089999	33-8M2018369	.060
350 Mag. Ski	350/ V-8	Thunderbolt IV & V	1991 - 1997	0D505450 - 0K999999	33-898264001	.035
5.7L	350/ V-8	Thunderbolt IV & V	1988 - 1997	0B773305 - 0K999999	33-898264001	.035
5.7L (Gen +)	350/ V-8	Thunderbolt V	1998 - 2004	0L010037 - 0W300754	33-862029	.045

Model	CID/ #Cyl	Type of Ignition	Year Range	Serial # Range	Spark Plug	Spark Plug Gap
5.7L TKS	350/ V-8	Thunderbolt V	2004 - 2009	0W300755 - 1A600136	33-862029	.060
5.7L EFI	350/ V-8	Delco - HEI	1995 - 1997	0F225560 - 0K999999	33-898264001	.035
5.7L EFI (Gen +)	350/ V-8	Delco & Mercury - HEI	1998 - 2001	0L010035 - 0M299999	33-862029	.045
5.7L EFI MIE (Gen+)	350/ V-8	Delco - HEI	1997	0K040300 - 0K999999	33-862029	.045
5.7L MIE (LH)	350/ V-8	Thunderbolt IV	1988 - 1993	0B788152 - 0F024999	33-898264001	.035
5.7L MIE (RH)	350/ V-8	Thunderbolt IV	1988 - 1993	0B788152 - 0F024999	33-898264001	.035
5.7L MIE (1(1))	350/ V-8	Thunderbolt IV	1993 - 1995	0F025000 - 0K999999	33-898264001	.035
5.7L MIE (Gen+)	350/ V-8	Thunderbolt V	1998 - 2004	0L002003 - 0W090899	33-862029	.045
5.7L MIE TKS	350/ V-8	Thunderbolt V	2004 - 2010	0W090900 - 1A092388	33-862029	.060
5.7L MPI Horizon MIE	350/ V-8	Delco -HEI	2008 - 2015	1A090000 - 2A455371	33-8M2018369	.060
5.7L MPI MIE	350/ V-8	Delco -HEI	2008 - 2015	1A090000 - 2A455523	33-8M2018369	.060
5.7L MPI MIE EC	350/ V-8	Delco -HEI	2008 - 2016	1A090000 - 2A455371	33-8M2018369	.060
		Delco -HEI	2008 - 2016			
5.7L MPI Tow Sports	350/ V-8			1A000000 - 2A455977	33-8M2018369	.060
5.7L MPI Tow Sports EC	350/ V-8	Delco -HEI	2008 - 2015	1A090000 - 2A452508	33-8M2018369	.060
5.7L Ski	350/ V-8	Prestolite & Mallory	1985 - 1995	0A338553 - 0F775199	33-898264001	.035
5.7L Ski	350/ V-8	Thunderbolt IV & V	1987 - 1997	0B514627 - 0K999999	33-898264001	.035
5.7L Ski	350/ V-8	Thunderbolt V	1998 - 2004	0L002005 - 0W090899	33-862029	.045
5.7L Ski TKS	350/ V-8	Thunderbolt V	2004 - 2011	0W090900 - 1A092837	33-862029	.060
5.7LX	350/ V-8	Thunderbolt V	1996 - 1997	0F601000 - 0K999999	33-898264001	.035
5.7LX Bravo EFI (Gen +)	350/ V-8	Delco - HEI	1996 - 1997	0F800300 - 0K999999	33-862029	.045
5.7LX EFI	350/ V-8	Delco - HEI	1996 - 1997	0F752400 - 0K999999	33-898264001	.035
Black Scorpion Ski (Gen+)	350/ V-8	Delco - HEI	1996 - 2002	0F800000 - 0M391599	33-862029	.045
Black Scorpion Ski (Gen+)	350/ V-8	Delco - HEI	2003 - 2007	0M391600 - 0W698432	33-8M2018369	.060
Scorpion 350	350/ V-8	Delco - HEI	2008 - 2015	0W698433 - 2A460164	33-8M2018369	.060
Scorpion 350 EC	350/ V-8	Delco - HEI	2008 - 2015	0W698433 - 2A460148	33-8M2018369	.060
233 MCM & MIE (Ford)	351/ V-8	Mercury & Prestolite	1975 - 1977	4173000 - 4902304	33-813425	.030
255 MIE & MCM (Ford)	351/ V-8	Mallory & Mercury	1973 - 1980	3258728 - 5907057	33-813425	.030
377 Mag	377/ V-8	Delco -HEI	2008 - 2015	1A300000 - 2A455858	33-8M2018369	.060
377 Mag EC	377/ V-8	Delco -HEI	2008 - 2015	1A300000 - 2A455601	33-8M2018369	.060
377 Scorpion MCM	377/ V-8	Delco - HEI	1999 - 2005	0L416146 - 0M907201	33-862029	.045
377 Scorpion Ski	377/ V-8	Delco - HEI	1997 - 1998	0K000656 - 0L600314	33-862029	.045
6.2L MPI (Mercury)	377/ V-8	Mercury	2015 - 2019	2A456613 and up	33-8M0095454	.051
MX 6.2L MPI	377/ V-8	Mercury -HEI	2000 - 2001	0L680003 - 0M299999	33-862029	.045
MX 6.2L MPI	377/ V-8	Delco -HEI	2002 - 2007	0M300000 - 1A299999	33-8M2018369	.060
MX 6.2L MPI Horizon	377/ V-8	Delco -HEI	2002 - 2007	0M300000 and up	33-8M2018369	.060
MX 6.2L MPI Horizon MIE	377/ V-8	Delco -HEI	2002 - 2015	0M300000 - 2A452368	33-8M2018369	.060
MX 6.2L MPI MIE	377/ V-8	Mercury -HEI	1999 - 2001	0L670000 - 0M299999	33-862029	.045
MX 6.2L MPI MIE	377/ V-8	Delco -HEI	2002 - 2007	0M300000 and up	33-8M2018369	.060
6.2L MPI MIE EC	377/ V-8	Delco -HEI	2008 - 2015	1A090000 - 2A455246	33-8M2018369	.060
MX 6.2L MPI Ski	377/ V-8	Delco -HEI	2002 - 2007	0M317000 - 0W689999	33-8M2018369	.060
MX 6.2L Blk Scorpion Ski	377/ V-8	Delco - HEI	2001 - 2002	0L670015 - 0M391599	33-862029	.045
MX 6.2L Blk Scorpion Ski	377/ V-8	Delco - HEI	2003 - 2007	0M391750 - 0W698432	33-8M2018369	.060
Scorpion 377	377/ V-8	Delco - HEI	2008 - 2015	0W698433 - 2A460138	33-8M2018369	.060
Scorpion 377 HO EC	377/ V-8	Delco - HEI	2009 - 2010	1A091488 - 1A092170	33-8M2018369	.060
325 MCM & MIE	427/ V-8	Thunderbolt	1969 - 1974	2278747 and up	33-813421 4	.035
330 MCM & MIE	454/ V-8	Mallory	1977 - 1981	4623115 - 6083144	33-898264001	.035
330 MCM & MIE	454/ V-8	Thunderbolt	1977 - 1981	4623115 - 6083144	33-813421 4	.035
330	454/ V-8	Thunderbolt IV	1982 - 1987	6083145 - 0B816540	33-898264001	.035
340 MIE	454/ V-8	Thunderbolt IV	1981 - 1987	5889914 - 0B788365	33-898264001	.035
350 MIE	454/ V-8	Thunderbolt	1974 - 1976	3780450 - 4623109	33-813421 4	.035
370 TRS	454/ V-8	Mallory	1978 - 1985	4179554 - 6721527	33-813421 4	.035
0.0 110	-FUT/ V-U	Wallot y	1010 - 1000	T110007 - 0121021	00-010 <del>1</del> 21 4	.000

Model	CID/ #Cyl	Type of Ignition	Year Range	Serial # Range	Spark Plug	Spark Plug Gap
370 TRS	454/ V-8	Holley	1978 - 1985	4883520 - 6721527	33-898264001	.035
370 TRS	454/ V-8	Thunderbolt IV	1985 - 1987	6721528 - 0B714586	33-898264001	.035
400 TRS	454/ V-8	Mallory	1980 - 1986	5668232 - 0B457644	33-813421 4	.035
400 TRS	454/ V-8	Holley	1980 - 1986	5668232 - 0B457644	33-898264001	.035
420	454/ V-8	Thunderbolt IV	1987 - 1989	0A398941 - 0B622418	33-898264001	.035
425	454/ V-8	Thunderbolt IV	1990 - 1993	0B622419 - 0D937011	33-898264001	.035
440 TRS	454/ V-8	Mallory	1983 - 1986	6181070 - 0B485220	33-813421 4	.035
440 TRS	454/ V-8	Holley	1983 - 1986	6181070 - 0B485220	33-898264001	.035
450	454/ V-8	Thunderbolt IV	1995 - 1996	0F347100 - 0F347277	33-898264001	.035
454 Mag. Alpha	454/ V-8	Thunderbolt IV	1986 - 1988	0A631894 - 0B785148	33-898264001	.035
454 Mag. Bravo	454/ V-8	Thunderbolt IV	1988 - 1997	0B721206 - 0K999999	33-898264001	.035
454 Mag. EFI	454/ V-8	Delco - HEI	1994 - 1996	0F115700 - 0F802349	33-898264001	.035
454 Mag. EFI Ski	454/ V-8	Delco - HEI	1995 - 1996	0F215800 - 0F820099	33-898264001	.035
454 Mag. MPI	454/ V-8	Delco - HEI	1996 - 2001	0F802350 - 0M024999	33-898264001	.040
454 Mag. MPI Horizon MIE	454/ V-8	Delco - HEI	1998 - 2001	0L002200 - 0L674000	33-898264001	.040
454 Mag. MPI Ski	454/ V-8	Delco - HEI	1996 - 1997	0F820100 - 0K999999	33-898264001	.040
525 SC	454/ V-8	Thunderbolt IV	1991 - 1999	0D456000 - 0L415623	33-898264001	.035
7.4L Bravo	454/ V-8	Thunderbolt IV	1988 - 1997	0B771113 - 0K999999	33-898264001	.035
7.4L EFI MIE	454/ V-8	Delco - HEI	1996 - 1997	0F874815 - 0K999999	33-898264001	.035
7.4L MIE	454/ V-8	Thunderbolt IV & V	1981 - 1997	5889914 - 0K999999	33-898264001	.035
7.4L MPI (L29)	454/ V-8	Delco - HEI	1998 - 2001	0L010003 - 0M024330	33-816336Q	.045
7.4L MPI MIE	454/ V-8	Delco - HEI	1995 - 1997	0F563052 - 0K999999	33-898264001	.035
7.4L MPI MIE (L29)	454/ V-8	Delco - HEI	1998 - 2001	0L002006 - 0L674613	33-816336Q	.045
7.4LX Bravo EFI	454/ V-8	Delco - HEI	1996 - 1997	0F820000 - 0K999999	33-898264001	.035
7.4LX Bravo MPI	454/ V-8	Delco - HEI	1996 - 1997	0F602010 - 0K999999	33-898264001	.035
7.4LX BIAVO WII 1	454/ 1/-0	Delco-TILI	1990 - 1991	01 002010 - 013333333	33-030204001	.000
390	482/ V-8	Thunderbolt	1969 - 1970	2781129 - 2825059	N.L.A.	.035
460 TRS	482/ V-8	Mallory & Holley	1983 - 1986	6180970 - 6181046	33-813421 4	.035
400 11/3	402/ V-0	Wallory & Flolley	1903 - 1900	0100970 - 0101040	30-013421 4	.000
496 Mag & HO	496/ V-8	Delco	2001 - 2010	0M025000 - 1A352731	33-8M0129146	.060
496 Mag & HO EC	496/ V-8	Delco	2008 - 2010	1A066166 - 1A350440	33-8M0129146	.060
8.1S & HO MIE	496/ V-8	Delco	2001 - 2010	0M026000 - 1A380318	33-8M0129146	.060
8.1S & HO MIE EC	496/ V-8	Delco	2008 - 2010	0W697154 - 1A380251	33-8M0129146	.060
0.10 0.110 1.112 20	.007 . 0	2000	2000 2010	011001101 111000201	30 0.110	
500	502/ V-8	Thunderbolt IV	1994 - 1998	0F213293 - 0L001772	33-898264001	.035
500 (Gen +)	502/ V-8	Thunderbolt IV	1999	0L414639 - 0L601036	33-898264001	.035
500 EFI	502/ V-8	Delco - HEI	1998 - 2005	0L001477 and up	33-898264001	.035
502 Mag.	502/ V-8	Thunderbolt IV	1990 - 1993	0C878221 - 0F114528	33-898264001	.035
502 Mag. EFI	502/ V-8	Delco - HEI	1993 - 1996	0D840650 - 0F802599	33-898264001	.035
502 Mag. MPI	502/ V-8	Delco - HEI	1996 - 2001	0F802600 - 0M024999	33-898264001	.040
525 EFI	502/ V-8	Mercury - HEI	2003 - 2019	0M900146 and up	33-8M0114747	.035
575 SCi	502/ V-8	Delco - HEI	2000 - 2005	0L306696 - 0M950526	33-813421 4	.040
600 SC	502/ V-8	Thunderbolt IV	1991 - 1993	0D456489 - 0D763875	33-898264001	.035
600 SC	502/ V-8	Thunderbolt IV	1993 - 1996	0D763876 - 0F877642	33-813421 4	.035
8.2L Mag	502/ V-8	Mercury - HEI	2010 - 2019	1A351597 and up	33-8M0114747	.060
8.2L Mag EC	502/ V-8	Mercury - HEI	2010 - 2019	1A350340 and up	33-8M0114747	.006
8.2L MIE	502/ V-8	Thunderbolt IV & V	1990 - 1996	0C878221 - 0F819619	33-898264001	.035
8.2L MIE	502/ V-8	Mercury - HEI	2010 - 2019	1A350802 and up	33-8M0114747	.060
8.2L MIE EC	502/ V-8	•		1A350802 and up		.060
		Mercury - HEI	2010 - 2019	,	33-8M0114747	
8.2L MPI MIE	502/ V-8	Delco - HEI	1996 - 2001	0F819620 - 0L674200	33-898264001	.040
EOO Duildes	E40/1/ 0	Thunderhelt IV	1000 1006	00577003 05745405	22 000064004	025
500 Bulldog	540/ V-8	Thunderbolt IV	1990 - 1996	0C577003 - 0F745405	33-898264001	.035
500 Bulldog	540/ V-8	Thunderbolt IV	1997 - 2001	0K000248 - 0M050281	33-898264001	.040
575	540/ V-8	Thunderbolt IV	1986 - 1992	0A677429 - 0D763716	33-813421 4	.035

Model	CID/ #Cyl	Type of Ignition	Year Range	Serial # Range	Spark Plug	Spark Plug Gap
800SC	572/ V-8	Thunderbolt IV	1993 - 1996	0D763836 - 0F877725	33-813421 4	.035
800SC	572/ V-8	Thunderbolt IV	1997 - 2019	0K000223 and up	33-813421 4	.040

# **CUSTOM ENGINE COVERS**

# **ENGINE COVER WITH FLAME GRAPHICS**



#### 879147T94

Want the hottest engine in the marina? Heat things up with a flame engine cover. You're sure to get everyone's attention at the next owner's rendezvous.

Fits All Scorpion models built between 1995 and the present. Note: Scorpion emblem not included.

#### **ENGINE COVER - BLUE FLAME**



#### 8M0079198

This engine cover features a custom hand air-brushed blue flame design. Being a custom part there will be some visible differences from one part to the next. It is the same as used on some Plus Series engines.

Fits non-ECT 4.3 MPI, 5.0 MPI, 350 MAG, & 377 MAG MerCruiser engines built between 2001-2015. It also fits all 4.3L, 350, 357, and 383 Plus Series engines.

#### **ENGINE COVER - RED FLAME**



# 8M0103982

This engine cover features a custom hand air-brushed red flame design. Being a custom part there will be some visible differences from one part to the next. It is the same as used on some Plus Series engines.

Fits non-ECT 4.3 MPI, 5.0 MPI, 350 MAG, & 377 MAG MerCruiser engines built between 2001-2015. It also fits all 4.3L, 350, 357, and 383 Plus Series engines.

# **BEARING KIT**

# **GIMBAL BEARING KIT**



#### 30-879194A00

Perma-Lube Bearing Kit required to retrofit the new XR/XZ drives to older Bravo transom plate assemblies to provide enough clearance for the larger u-joint on the new XR/XZ drives.

Fits Bravo transom assemblies

# TILT UP LIMIT SPACER KIT

Limits the tilt (up) range to prevent the drive unit from hitting the swim platform.

# TRIM LIMIT SPACER KIT



# 15768A 3

2 per kit

Fits Alpha One & Gen II (1987 and newer) & Bravo drives.

# TRIM IN LIMIT SPACER KITS

Reduces "stern lift" by preventing the drive unit from reaching the last few degrees of full trim under. See MerCruiser Service Bulletin # 94-1 for additional details.

# TRIM LIMIT SPACER KIT



#### 23-806445A 1

Internal Cylinder Kit, For negative trim (in) limit of .750 in.(19 mm) to 1.00 in.(25 mm).

Fits Bravo drives (s/n 0F214599 and below)

# TRAILERING CLIPS

To support drive in the tilt up position while trailering.

#### TRAILERING CLIP



#### 817019Q 2

Fits MC-I, R, MR, Alpha, Bravo & Vazer drives. Priced & packaged in qty. of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **GEAR LUBE MONITOR KITS**

#### **GEAR LUBE MONITOR KIT**



#### 806193A49

Mounts on inner transom, connecting internally to the upper driveshaft housing. Includes low gear lube warning sensor that connects to the engine audio warning system. Warning feature requires that the Audio Warning System is installed on the engine

Fits Alpha One Gen II (s/n 0D491000 and above).

# **GEAR LUBE RESERVOIR KIT**



#### 865585A02

1 quart reservoir kit with float switch.

Designed to replace the smaller rectangular reservoir for added gear lube capacity. Fits Bravo drives running under excessive loads in a heavy use environment.

# **GEAR LUBE RESERVOIR RELOCATION KIT**



#### 806054A 1

Reservoir Relocation Kit. Used to relocate the "square" reservoir bottle from the engine to the transom. This kit should be used when the installation of any other accessory kit would interfere with the reservoir at its factory installed location. Fits Alpha & Bravo models (1994 and newer)

# **DUAL STATION SENDERS**

Replaces factory installed sender on engine. For use with dual station instrumentation

# **ENGINE OIL PRESSURE SENDER**



#### 37293T

Fits MCM/MIE gasoline engines

# **ENGINE WATER TEMPERATURE SENDER**



#### 49734

For dual station installations, used for temperature gauge Fits MCM/MIE engines

# **ENGINE OIL PRESSURE SENDER**



#### 87-805268

For dual station installations
Fits 1994 and newer MCM/MIE Diesel engines

# SERPENTINE BELT KITS

The second MCM V-6 or V-8 engine used in a dual engine boat can have the power steering pump removed by using one of these belt kits. If the pump is not removed, the plastic power steering hose coupler must be changed to a brass one. DO NOT RUN the power steering pump continuously with the plastic shipping coupler. Order a Belt Kit or a Brass Coupler.

#### SERPENTINE BELT & PULLEY KIT



#### 889432A 1

Fits 2002-2003 MCM V-6 & V-8 (305 & 350 cid) Alpha engines with standard cooling that the power steering pump is being removed (s/n 0M343008-0M999999).

## **SERPENTINE BELT & PULLEY KIT**



# 889433A 1

Fits 2002-2003 MCM V-6 & V-8 (305, 350 & 377 cid) Alpha engines with closed cooling and Bravo engines that the power steering pump is being removed (s/n 0M343008-0M999999).

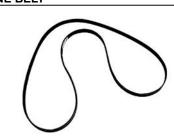
# **SERPENTINE BELT KIT**



#### 807901A 3

For dual engine applications where power steering pump is being removed. Fits MCM V-6 & V-8 (305 & 350 cid) Bravo engines with standard cooling. Also fits MCM 4.3L Bravo; 5.0L & 5.7L Alpha/Bravo with closed cooling. See application chart for specific engine models.

# **SERPENTINE BELT**



#### 57-865615Q08

2535 mm length

Fits 1999-2002 MCM V-6 & V-8 (305, 350 & 377 cid) Bravo engines with high mounted alternator that the power steering pump is being removed (s/n 0L619000-0M343007).

#### 57-865615Q09

1780 mm length

Fits 1999-2001 MCM V-6 & V-8 (305 & 350 cid) Alpha engines with high mounted alternator (s/n 0L619000-0M320024)

#### 57-865615Q07

2467 mm length

Fits 1998-2001 MCM V-8 (454 & 502 cid) Bravo engines with serpentine belt that the power steering pump is being removed.

# 57-865615Q02

2285 mm length

Fits 2001-2004 MIE 8.1S engines (s/n 0M025000-0W389999). Also fits 2001-2005 MCM 496 Mag engines (s/n 0M025000-0W309999) that the power steering pump has been removed.

#### P/S HOSE COUPLER



#### 22-860099001

Required kit when leaving the power steering pump on the second engine in dual engine applications. Connects the power steering hoses together.

Fits all MCM engines with power steering

# **SERPENTINE BELT KIT CHART**

# MCM Serpentine Belt Kits

For use on engines with power steering pump removed

	v -	0.11/15	P 1/11/2	
Model	Year Range	Serial # Range	Belt Kit	Optional Brass Coupler
MCM V-6 (Gen +) Alpha	1996 - 1999	0F803000 - 0L619083	N.L.A.	22-860099001
MCM V-6 (Gen +) Alpha	1999 - 2002	0L619084 - 0M320024	57-865615Q09	22-860099001
MCM V-6 (Gen +) Alpha	2002	0M320025 - 0M343007	57-865615Q09(1)	22-860099001
MCM V-6 (Gen +) Alpha, RWC	2002 - 2003	0M343008 - 0M999999	889432A 1	22-860099001
MCM V-6 (Gen +) Alpha, FWC	2002 - 2003	0M343008 - 0M999999	889433A 1	22-860099001
MCM V-6 (Gen +) Bravo	1996 - 1999	0F803000 - 0L619083	807901A 3	22-860099001
MCM V-6 (Gen +) Bravo	1999 - 2002	0L619084 - 0M320024	57-865615Q08	22-860099001
MCM V-6 (Gen +) Bravo	2002	0M320025 - 0M343007	57-865615Q08(2)	22-860099001
MCM V-6 (Gen +) Bravo	2002 - 2003	0M343008 - 0M999999	889433A 1	22-860099001
MCM V-8 (305 & 350 cid) Alpha	1997 - 1999	0K001506 - 0L618999	N.L.A.	22-860099001
MCM V-8 (305 & 350 cid) Alpha	1999 - 2002	0L619000 - 0M320024	57-865615Q09	22-860099001
MCM V-8 (305 & 350 cid) Alpha	2002	0M320025 - 0M343007	57-865615Q09(1)	22-860099001
MCM V-8 (305 & 350 cid) Alpha, RWC	2002 - 2003	0M343008 - 0M999999	889432A 1	22-860099001
MCM V-8 (305 & 350 cid) Alpha, FWC	2002 - 2003	0M343008 - 0M999999	889433A 1	22-860099001
MCM V-8 (305 & 350 cid) Bravo	1998 - 1999	0K001506 - 0L618999	807901A 3	22-860099001
MCM V-8 (305, 350 & 377 cid) Bravo	1999 - 2002	0L619000 - 0M320024	57-865615Q08	22-860099001
MCM V-8 (305, 350 & 377 cid) Bravo	2002	0M320025 - 0M343007	57-865615Q08(2)	22-860099001
MCM V-8 (305, 350 & 377 cid) Bravo	2002 - 2003	0M343008 - 0M999999	889433A 1	22-860099001
MCM V-8 (454 cid)	1998 - 2001	0L010003 - 0M024999	57-865615Q07	22-860099001
MCM V-8 (496 cid)	2001 - 2003	0M025000 - 0W000004	57-865615Q02	22-860099001
MCM V-8 (502 cid)	1998 - 2001	0L017000 - 0M024999	57- <b>865615Q07</b>	22-860099001

<sup>(1) 889432</sup>A 1 Serpentine Belt Kit: Order this belt kit instead of the one listed if the engine has a 4-1/4 in.(108 mm) diameter grooved idler pulley.

# **AIR INTAKE SILENCER KIT**

# **SILENCER KIT - AIR INTAKE**



# 8M0063432

Reduces the throttle intake noise at cruise speed and mid-range RPM. Not recommended for V-drive installations.

Backfits all MCM/MIE 8.2L engines w/o intake air silencer

# **AIR INTAKE TUBE KIT**

# AIR INTAKE TUBE AND FILTER KIT



# 8M0085794

Increases air flow for better turbo efficiency. Standard equiptment on current Tier 3 engines.

Back fits all MCM/MIE V6 TDI Tier 2 diesel engines with CEZ serial numbers.

# **BELT COVER KIT**

Image not Available.

# 8M0122079

Auxilary kit to enclose the belt & pulleys
Fits MCM/MIE 3.0L V6 diesel (s/n 70380001 & up)

<sup>(2) 889433</sup>A 1 Serpentine Belt Kit: Order this belt kit instead of the one listed if the engine has a 4-1/4 in.(108 mm) diameter grooved idler pulley.

# HOT WATER HEATER FITTING KITS

Includes the necessary fittings to provide a means of supplying hot water to a remote location.

# **HOT WATER FITTING KIT**



#### 22-806836A 3

Fits 1992-2016 MCM 3.0L/LX (s/n 0D616823 thru 2A506300)

# **HOT WATER FITTING KIT**



#### 879288A03

Fits 2008-2016 MCM 3.0 MPI Emissions Control engine.

# **HOT WATER FITTING KIT**



#### 22-8M0119308

Fits 2001-2016 MCM V-6 & MCM/MIE V-8 (305, 350 & 377 cid) MPI engines (s/n 0M300000 and up). Also fits Mercury 4.5 & 6.2 MPI engines (2014 and newer)

# **HOT WATER FITTING KIT**



# 22-72932A 3

Fits MCM/MIE V-6 & V-8 (305, 350, 377, 454 & 502 cid) engines with front mounted heat exchanger (s/n 0F490650 and above), except MPI engines s/n 0M300000 and above.

# **HOT WATER FITTING KIT**



#### 22-806837A 1

Fits MCM 496 Mag & MIE 8.1S engines.

# **HOT WATER FITTING KIT**



#### 22-8M0045175

Fits MCM/MIE 8.2

# **HOT WATER FITTING KIT**



#### 22-806837A 2

Fits 1.7 MS & MI 120 diesel.

# **HOT WATER FITTING KIT**



# 805984A 1

For heater hose with 5/8 in.(16 mm) I.D.
Fits 1997 & older MCM/MIE D2.8L, D3.0L, D3.6L, and D4.2L Diesel models

# **HOT WATER FITTING KIT**



# 889074A 1

With shut-off valve, For heater hose with 5/8 in. (16 mm) I.D. Fits 1998 & newer MCM/MIE 2.0L, 2.8L & 4.2L Diesel models

# **HOT WATER FITTING KIT**



22-8M0094865

Fits MCM/MIE 3.0L V6 TDI Diesel models

# **HOT WATER HEATER T-FITTING KIT CHART**

# **MCM Hot Water T-fittings**

Model	Year Range	Serial # Range	Hot Water Fitting Kit
MCM 4 cyl. (153 & 181 cid)	1983 - 1991	6229718 - 0D616822	N.L.A.
MCM 4 cyl. (181 cid)	1992 - 2004	0D616823 - 0W301999	22-806836A 3
MCM 4 cyl. (181 cid) TKS carb	2005 - 2016	0W302000 - 2A506300	(7)
MCM 4 cyl. (181 cid) MPI	2008 - 2016	1A072812 - 2A502810	879288A03(8)
MOW 4 OJ. (101 dd) MI 1	2000 - 2010	IN012012 - 2N002010	073200703(0)
MCM V-6 (229 cid)	1983 - 1984	6330183 - 6919655	N.L.A.
MCM V-6 (262 cid)	1985 - 1991	0A331455 - 0D616517	N.L.A.
MCM V-6 (262 cid)	1992 - 1995	0D616518 - 0F490649	N.L.A.(1)
MCM V-6 (262 cid)	1992 - 1995	0D616518 - 0F490649	N.L.A.(2)
MCM V-6 (262 cid) Carb & TBI engines	1995 - 2015	0F490650 - 2A454127	22- 72932A 3
MCM V-6 (262 cid) MPI engines	2002 - 2016	0M300000 - 2A506375	22-8M0119308
	2011 - 2016	1A637496 - 2A528897	22-8M0119308
MCM V-6 (262 cid) MPI EC engines	2011 - 2010	IA03/450 - 2A32005/	ZZ-OWO 119300
MCM 4.5L V6 MPI	2014 - 2019	24.4440F2 and up	22-8M0119308
INICIN 4.5L V6 MP1	2014 - 2019	2A441953 and up	ZZ-0WU119300
MCM V 9 /205 9 250 sid)	1983 - 1991	6218462 - 0D616638	N.L.A.
MCM V-8 (305 & 350 cid)			
MCM V-8 (305 & 350 cid)	1992 - 1995	0D616639 - 0F490649	N.L.A.(1)
MCM V-8 (305 & 350 cid)	1992 - 1995	0D616639 - 0F490649	N.L.A.(2)
MCM V-8 (305, 350 & 377 cid) Carb & TBI engines	1995 - 2010	0F490650 - 1A600136	22- 72932A 3
MCM V-8 (305, 350 & 377 cid) MPI engines	1995 - 2001	0F490650 - 0M299999	22- <b>72932A</b> 3
MCM V-8 (305, 350 & 377 cid) MPI engines	2002 - 2015	0M300000 - 2A455878	22-8M0119308
MCM 6.2L (Mercury)	2015 - 2019	2A456613 and up	22-8M0119308
MCM V-8 (454 & 502 cid)	1982 - 1991	6083145 - 0D603117	N.L.A.
MCM V-8 (454 & 502 cid)	1992 - 1995	0D603118 - 0F490649	N.L.A.(1)
MCM V-8 (454 & 502 cid)	1992 - 1995	0D603118 - 0F490649	N.L.A.(2)
MCM V-8 (454 & 502 cid)	1995 - 2001	0F490650 and up	22- <b>72932A</b> 3
MCM 496 Mag & HO	2000 - 2010	0M025000 - 1A352731	22-806837A 1
MCM 8.2 Mag & HO	2010 - 2019	1A350340 and up	22-8M0045175
MIE & SKI V-8	1981 - 1991	5907058 - 0D623999	N.L.A.
MIE & Ski V-8	1992 - 1995	0D624000 - 0F490649	N.L.A.(1)(4)
MIE V-8	1992 - 1995	0D624000 - 0F490649	N.L.A.(2)(3)
MIE V-8	1995 - 1997	0F490650 - 0K999999	22- <b>72932A 3(3)</b>
MIE V-8	1995 - 1997	0F490650 - 0K999999	N.L.A.(4)
MIE V-8 (Except MIE 8.1S)	1998 - 2001	0L002003 - 0M299999	22- <b>72932A 3</b>
MIE V-8 MPI (Except MIE 8.1S)	2002 - 2015	0M300000 and up	22-8M0119308



Model	Year Range	Serial # Range	Hot Water Fitting Kit
MIE 6.2L MPI (Mercury)	2015 - 2019	2A456613 and up	22-8M0119308
MIE 8.1S Horizon & HO	2000 - 2010	0M025000 and up	22-806837A 1
MIE 8.2 Horizon & HO	2010 - 2019	1A350802 and up	22-8M0045175
MCM/MIE 3.0L V6 TDI	2013 - 2019	All - All	22-8M0094865
MCM/MIE VM Diesel(5)	1989 - 2002	0B993002 and up	805984A 1
MCM/MIE VM Diesel(6)	1989 - 2002	0B993002 and up	N.L.A.
MCM/MIE 2.0L, 2.8L & 4.2L	1998 - 2019	0L667439 and up	889074A 1
MCM/MIE D7.3L	1994 - 1997	0F060000 and up	N.L.A.
MCM/MIE D7.3L D-Tronic	1997 - 2019	0K095775 and up	N.L.A.

- $(1) \ Engines \ with \ 1-1/2 \ in. (38mm) \ I.D. \ circulating \ pump \ hose \ between \ thermostat \ hsg. \ and \ circulating \ pump$
- (2) Engines with 1-3/4 in.(45mm) I.D. circulating pump hose between thermostat hsg. and circulating pump
- (3) Will not fit models with rear mounted heat exchanger
- (4) Will fit models with rear mounted heat exchanger
- (5) All models with 5/8 in.(16mm) hose
- (6) All models with 17mm hose
- (7) No kit available
- (8) Not required for closd cooled engines

# THRU TRANSOM EXHAUST OUTLETS

Outlets come with internal shutters and external flappers. Each kit includes 2 tips.

# QUICK-CHANGE THRU TRANSOM EXHAUST TIPS



# 843434A 1

Polished stainless steel tips feature a in.quick change in. anti-backflow valve. 2 outlets per kit.

For 3 in. (76 mm) I.D. exhaust pipe. Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages.

# 843426A 1

Polished stainless steel tips feature a in.quick change in. anti-backflow valve. 2 outlets per kit.

For 4 in. (102 mm) I.D. exhaust pipe. Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages.

# TRANSOM EXHAUST TIPS FLAPPER ASSEMBLY



#### 8M0109049

This kit is to repair the internal rubber flapper baffle for one 3 in. (76 mm) I.D. exhaust tip 843434A1. Contains components to repair one exhaust tip.

Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages that have the Quick-Change Thru Transom Exhaust Tips

#### TRANSOM EXHAUST TIPS FLAPPER ASSEMBLY



# 8M0109050

This kit is to repair the internal rubber flapper baffle for one 4 in. (102 mm) I.D. exhaust tip 843426A1. Contains components to repair one exhaust tip.

Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages that have the Quick-Change Thru Transom Exhaust Tips.

# TRANSOM EXHAUST TIPS REPAIR KIT



#### 843434A 2

This kit is to repair the internal rubber flapper baffle for one 3 in. (76 mm) I.D. exhaust tip 843434A1. Contains components to repair one exhaust tip.

Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages that have the Quick-Change Thru Transom Exhaust Tips

#### 843426A 2

This kit is to repair the internal rubber flapper baffle for one 4 in. (102 mm) I.D. exhaust tip 843426A1. Contains components to repair one exhaust tip.

Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages that have the Quick-Change Thru Transom Exhaust Tips

# **EXHAUST OUTLET FLAPPER KITS**

#### **EXHAUST FLAPPERS**



# 34765A 2

For 3 in.(76 mm) O.D. exhaust outlets, 1 flapper in kit

#### 12644A 1

For 4 in.(102 mm) O.D. exhaust outlets, 1 flapper in kit

# **EXHAUST IN-LINE SHUTTER KIT**

# EXHAUST SHUTTER KIT



#### 8M0109256

In-line water shutter

Fits MIE engines with 4 in. (101.6 mm) exhaust

# **EXHAUST BLOCK-OFF PLATE**

Used to block-off the gimbal housing when thru transom exhaust is installed. Install plate before engine is installed.

# **EXHAUST BLOCK-OFF PLATE**



861776A 2

# **EXHAUST PIPE KITS**

#### **EXHAUST "Y" PIPE KIT**



## 98-8M0117124

For use with Silent Choice type exhaust systems. Also used to convert engines with thru transom exhaust to thru prop exhaust. Standard pipe on all thru prop exhaust gasoline sterndrive models.

Fits all V-8 engines with 4 in.(102 mm) exhaust systems; except MCM 8.1L & 8.2L engines

# **EXHAUST "Y" PIPE KIT**



#### 98-8M0117125

Used to convert MCM 8.1L & 8.2L engines with thru transom exhaust to thru prop exhaust.

Also requires the use of intermediate elbow kit in conjunction with this "Y" Pipe Kit. For 8.1L & 8.2L non-Emissions Control engines, use 44267A02 or A03. For 8.1L Emissions Control engines, use 44267A04, A05, A06, A07 or A08. For 8.2L Emissions Control engines with three catalyst exhaust manifolds, use 879288A12, A13, A14, A15 or A16.

Fits all MCM 8.1L & 8.2L sterndrive engines, except 2012 & newer 8.2L EC engines with single catalyst exhaust manifolds.

# INTERMEDIATE ELBOW KIT



#### 44267A02

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L & 8.2L non-EC sterndrive engines with exhaust risers 2 in. (51 mm) to 8 in. (203 mm) high.

# INTERMEDIATE ELBOW KIT



#### 44267A03

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L & 8.2L non-EC sterndrive engines w/o exhaust risers and w/ exhaust risers up to 2 in. (51 mm) high.

# INTERMEDIATE ELBOW KIT



## 44267A04

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with standard 0" risers.

# INTERMEDIATE ELBOW KIT



#### 44267A05

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with 2 in. (51 mm) risers.

# **INTERMEDIATE ELBOW KIT**



#### 44267A06

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with 4 in. (102 mm) risers.

# INTERMEDIATE ELBOW KIT



# 44267A07

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with 6 in. (152 mm) risers.

# INTERMEDIATE ELBOW KIT



#### 44267A08

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with 8 in. (203 mm) risers.

## **INTERMEDIATE ELBOW KIT**



## 879288A12

Used in conjunction with Exhaust "Y" Pipe Kit 8M0117125 to convert engine to thru prop exhaust.

Fits 2010-2012 MCM 8.2L EC engines with three catalyst exhaust manifolds and 0 in. risers

# INTERMEDIATE ELBOW KIT



#### 879288A13

Used in conjunction with Exhaust "Y" Pipe Kit 8M0117125 to convert engine to thru prop exhaust.

Fits 2010-2012 MCM 8.2L EC engines with three catalyst exhaust manifolds and 2 in. (51 mm) risers (s/n 2A041664 and below)

# **INTERMEDIATE ELBOW KIT**



# 879288A14

Used in conjunction with Exhaust "Y" Pipe Kit 8M0117125 to convert engine to thru prop exhaust.

Fits 2010-2012 MCM 8.2L EC engines with three catalyst exhaust manifolds and 4 in. (102 mm) risers (s/n 2A041664 and below)

# INTERMEDIATE ELBOW KIT



## 879288A15

Used in conjunction with Exhaust "Y" Pipe Kit 8M0117125 to convert engine to thru prop exhaust.

Fits 2010-2012 MCM 8.2L EC engines with three catalyst exhaust manifolds and 6 in. (152 mm) risers (s/n 2A041664 and below)

# INTERMEDIATE ELBOW KIT



## 8M0095832

Required when changing exhaust elbow height to 2 in. (51 mm) risers. Fits 2012 & newer MCM 8.2L EC engines with single catalyst exhaust manifolds and 2 in. (51 mm) risers (s/n 2A041665 and up)

#### INTERMEDIATE ELBOW KIT



#### 8M0095833

Required when changing exhaust elbow height to 4 in. (102 mm) risers. Fits 2012 & newer MCM 8.2L EC engines with single catalyst exhaust manifolds and 4 in. (102 mm) risers (s/n 2A041665 and up)

# INTERMEDIATE ELBOW KIT



#### 8M0095834

Required when changing exhaust elbow height to 6 in. (152 mm) risers. Fits 2012 & newer MCM 8.2L EC engines with single catalyst exhaust manifolds and 6 in. (152 mm) risers (s/n 2A041665 and up)

# EXHAUST "S" PIPE KIT



#### 807611T

Optional exhaust pipe for Tow Sports non-EC engine models with 4 in.(102 mm)

# **EXHAUST "S" PIPE KIT**



# 18563A 1

Allows exhaust outlets to be mounted below a swim platform. 2 pipes in kit. Fits V-8 sterndrive models with 4 in. (102 mm) exhaust (s/n 0W309999 and below)

# **EXHAUST REDUCER KIT**



#### 44349A 1

Reduces exhaust hose from 4 in.(102 mm) to 3 in.(76 mm). Straight reducer. 2 reducers in kit.

Fits MIE V-8 engines.

# **EXHAUST RISER KITS FOR DIESEL ENGINES**

Raises the height of the engines exhaust system to prevent water from entering the engine through the exhaust system.

# **RISER KIT**



863330A 2

3 in.(76 mm)

Fits 2001-2009 MCM & CMD 1.7L diesel engines.

# **RISER KIT**



805265A 1

5 in.(127 mm)

Fits 1990 and newer MCM CMD & QSD 2.8L, 3.0L, 3.6L & 4.2L diesel engines.

# **RISER KIT**



#### 8M0098892

6 in. (127 mm)

Fits MIE 4.2L V8 TDI diesel engines.

# **EXHAUST RISER KITS (GAS, WET JOINT, 2002 &** OLDER)

Raises the height of the engines exhaust system to prevent water from entering the engine through the exhaust system to prevent water from entering the engine through the exhaust system. Maximum height of 9 in.(228 mm). Two different types of exhaust elbows have been used (cast iron and stainless steel). To tell which one you have, look at the elbows mounting bolts. Cast iron elbows use 4 long bolts. Stainless steel elbows use four short 1 in.(25 mm) long bolts. For MCM/MIE 8.1L engines see "Exhaust Elbow/Riser Kits (8.1L) Non-Emissions Ctrl"

# RISER KIT



# 93320A14

3 in.(76 mm)

Fits 1997 & older MCM/MIE V-8 engines with stainless steel exhaust elbows.

# RISER KIT



## 93320A13

3 in. (76 mm)

Fits MCM V-6 carb & TBI engines with 2 piece exhaust manifolds (s/n 0M614999 &

below).
Fits MCM/MIE/Tow Sports V-8 (305, 350, 377, 454 & 502 cid) engines with cast iron elbows (s/n 0M299999 & below); MCM V-8 (305 & 350 cid) carb engines (s/n 0M300000-0M599999) and MIE & Tow Sports carb engines (s/n OM300000-0M316999)

# **RISER KIT**



# 93320A15

3 in. (76 mm)

Fits 2001-2002 MCM 4.3L MPI (s/n 0M300000-0M614999); Fits 2001-2002 MCM V-8 (305, 350 & 377 cid) MPI engines (s/n

0M300000-0M599999); Fits 2001-2002 MIE & Tow Sports V-8 (350 & 377 cid) MPI engines (s/n 0M30000-0M316999)

#### **RISER KIT**



#### 807477A 5

6 in.(152 mm)

Fits 1997 & older V-8 with stainless steel exhaust elbows.

#### **RISER KIT**



# 93322A12

6 in. (152 mm)

Fits MCM V-6 carb & TBI engines with 2 piece exhaust manifolds (s/n 0M614999 &

Fits MCM/MIE/Tow Sports V-8 (305, 350, 377, 454 & 502 cid) engines with cast iron elbows (s/n 0M299999 & below); MCM V-8 (305 & 350 cid) carb engines (s/n 0M300000-0M599999) and MIE & Tow Sports carb engines (s/n 0M300000-0M316999).

# **RISER KIT**



#### 93322A10

6 in. (152 mm)

Fits 2001-2002 MCM 4.3L MPI (s/n 0M300000-0M614999); Fits 2001-2002 MCM V-8 (305, 350 & 377 cid) MPI engines (s/n

0M300000-0M599999); Fits 2001-2002 MIE & Tow Sports V-8 (350 & 377 cid) MPI engines (s/n 0M30000-0M316999)

#### INTERMEDIATE ELBOW KIT



#### 14865A02

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-6 with 2 piece exhaust manifolds and 3 in. (76 mm) risers - s/n 0W309999 and below

# INTERMEDIATE ELBOW KIT



#### 14801A 1

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-8 (305, 350 & 377 cid) engines (0W309999 and below)

#### INTERMEDIATE ELBOW KIT



#### 807963A 1

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-8 (454 & 502 cid) engines.

# EXHAUST RISER KITS (GAS, DRY JOINT, SMALL BLOCK, NON-EC, 2002 & NEWER)

Raises the height of the GM V-6 & V-8 small block (non-EC) engines with dry joint exhaust system to prevent water from entering the engine through the exhaust system. Maximum height of 6 in. (152 mm). For MCM/MIE 8.1L & 8.2L (non-EC) engines see "Exhaust Elbow/Riser Kits (8.1L & 8.2L) Non-Emissions Ctrl" section. For EC engines, see the Emissions Control Riser section.

NOTE: For Mercury 4.5L & 6.2L (non-EC) engines see "Exhaust Riser Kits (Gas, Small Block, Emissions Control)" since the 4.5L & 6.2L (non-EC) engines use the same riser kits as the EC engines.

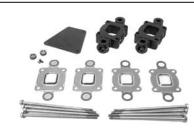
#### **RISER KIT**



#### 865995A01

1.7 in. (43 mm) for standard cooling and dry joint exhaust manifolds. Fits 2004-2016 MCM V-6 & V-8 (305, 350 & 377 cid) non-EC engines (s/n 0W310000 and up) & MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M390000 and up).

# **RISER KIT**



# 865996A01

1.7 in. (43 mm) for CLOSED COOLING and dry joint exhaust manifolds. Fits 2004-2016 MCM V-6 & V-8 (305, 350 & 377 cid) non-EC engines (s/n 0W310000 and up) & MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M390000 and up).

#### **RISER KIT**



#### 866007A01

1.7 in. (43 mm) for standard cooling and dry joint exhaust manifolds. Fits Tow Sports V-8 (350 & 377 cid ) non-EC engines w/ in-line transmission (s/n 0M390000 and up).

# **RISER KIT**



#### 864306A 3

3 in. (76 mm) for standard cooling and dry joint exhaust manifolds. Fits 2002 MCM V-8 (305, 350 & 377 cid) non-EC engines (s/n 0M600000-0M614999).

#### RISER KIT



#### 864306A 2

3 in. (76 mm) for CLOSED COOLING and dry joint exhaust manifolds. Fits 2002 MCM V-8 (305, 350 & 377 cid) non-EC engines (s/n 0M600000-0M614999).

#### RISER KIT



#### 864306A 5

3 in. (76 mm) for standard cooling and dry joint exhaust manifolds. Fits 2002 MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M317000-0M389999)

## **RISER KIT**



#### 864306A 4

3 in. (76 mm) for CLOSED COOLING and dry joint exhaust manifolds. Fits 2002 MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M317000-0M389999).

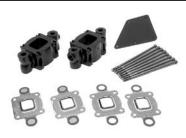
#### **RISER KIT**



#### 864929A 1

3 in. (76 mm) for standard cooling and dry joint exhaust manifolds. Fits 2002-2004 MCM V-6 & V-8 (305, 350 & 377 cid) non-EC engines (s/n 0M615000-0W309999).

#### **RISER KIT**



#### 864929A 2

3 in. (76 mm) for CLOSED COOLING and dry joint exhaust manifolds. Fits 2002-2004 MCM V-6 & V-8 (305, 350 & 377 cid) non-EC engines (s/n 0M615000-0W309999).

# **RISER KIT**



#### 864929A 3

3 in. (76 mm) for standard cooling and dry joint exhaust manifolds. Fits 2004-2016 MCM V-6 & V-8 (305, 350 & 377 cid) non-EC engines (s/n 0W310000 and up); also fits 2002-2016 MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M390000 and up)

# **RISER KIT**



## 864929A 4

3 in. (76 mm) for CLOSED COOLING and dry joint exhaust manifolds.

Fits 2004-2016 MCM V-6 & V-8 (305, 350 & 377 cid) non-EC engines (s/n 0W310000 and up); also fits 2002-2016 MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M390000 and up)

#### **RISER KIT**



#### 866208A02

4.7 in. (119 mm) for standard cooling and dry joint exhaust manifolds.

Fits 2004-2016 MCM V-6 & V-8 (305, 350 & 377 cid) non-EC engines (s/n 0W310000 and up); also fits 2002-2016 MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M390000 and up)

# **RISER KIT**



#### 866208A03

4.7 in. (119 mm) for CLOSED COOLING and dry joint exhaust manifolds. Fits 2004-2016 MCM V-6 & V-8 (305, 350 & 377 cid) non-EC engines (s/n 0W310000 and up); also fits 2002-2016 MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M390000 and up)

#### **RISER KIT**



#### 864908A 1

6 in. (152 mm) for standard cooling and dry joint exhaust manifolds. Fits 2004-2016 MCM V-6 (s/n 0W310000 and up); 2002-2016 MCM V-8 (305, 350 & 377 cid) non-EC engines (s/n 0M615000 and up) & MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M390000 and up).

# **RISER KIT**



#### 864908A 2

6 in. (152 mm) for CLOSED COOLING and dry joint exhaust manifolds. Fits 2004-2016 MCM V-6 (s/n 0W310000 and up); 2002-2016 MCM V-8 (305, 350 & 377 cid) non-EC engines (s/n 0M615000 and up) & MIE V-8 (350 & 377 cid) non-EC engines (s/n 0M390000 and up).

# **RISER HOSE KIT**



#### 32-865022A 1

Used in conjunction with 3 in. (76 mm), 4.7 in. (119 mm) & 6 in. (152 mm) exhaust risers & standard cooling

Fits 2002 and newer MCM 4.3L MPI engines (s/n 0M615000 and up).

## **RISER HOSE KIT**



#### 32-865024A 1

Used in conjunction with 1.7 in.(43 mm) & 3 in. (76 mm) exhaust risers & CLOSED COOLING

Fits 2002 and newer MCM 4.3L engines (s/n 0M615000 and up).

# **RISER HOSE KIT**



## 32-865027A 1

Used in conjunction with 3 in. (76 mm) exhaust risers & standard cooling Fits 2002-2016 MCM 4.3L MPI engines with 7 point drain system (s/n 0M615000 and up).

# **RISER HOSE KIT**



#### 32-865029A 1

Used in conjunction with 1.7 in. (43 mm) & 3 in. (76 mm) exhaust risers & CLOSED COOLING

Fits 2002-2016 MCM V-8 (305, 350 & 377 cid) MPI engines (s/n 0M615000 and up) & MIE V-8 (350 & 377 cid) MPI engines (s/n 0M390000 and up)

# **RISER HOSE KIT**



#### 32-865998A01

Used in conjunction with 4.7 in. (119 mm) & 6 in. (152 mm) exhaust risers & CLOSED COOLING

Fits 2004-2016 MCM 4.3L MPI engines (s/n 0W310000 thru 2A506375).

#### **RISER HOSE KIT**



# 32-865033A 1

Used in conjunction with 4.7 in. (119 mm) & 6 in. (152 mm) exhaust risers & standard cooling

Fits 2002-2016 MCM V-8 (305, 350 & 377 cid) MPI engines with 1 or 3 point drain system (s/n 0M615000 and up).

#### **RISER HOSE KIT**



# 32-865035A 1

Used in conjunction with 4.7 in. (119 mm) & 6 in. (152 mm) exhaust risers & standard cooling

Fits 2002-2016 MIE V-8 (350 & 377 cid) MPI engine with in-line transmission (s/n 0M390000 and up).

#### **RISER HOSE KIT**



#### 32-865039A 1

Used in conjunction with 4.7 in. (119 mm) & 6 in. (152 mm) exhaust risers & CLOSED COOLING

Fits 2002-2016 MCM V-8 (305, 350 & 377 cid) MPI engines (s/n 0M615000 and up) & MIE V-8 (350 & 377 cid) MPI engines with in-line transmission (s/n 0M390000 and up).

#### **RISER HOSE KIT**



#### 32-865041A 1

Used in conjunction with 4.7 in. (119 mm) & 6 in. (152 mm) exhaust risers & CLOSED COOLING

Fits 2002-2016 MIE V-8 (350 & 377 cid) MPI engines with V-drive transmission (s/n 0M390000 and up)

### **RISER HOSE KIT**



#### 32-865043A 1

Used in conjunction with 1.7 in. (43 mm), 3 in. (76 mm), 4.7 in. (119 mm) & 6 in. (152 mm) exhaust risers & standard cooling

Fits 2002-2016 MIE V-8 (350 cid) carb engines with V-drive transmission (s/n 0M390000 and up).

#### INTERMEDIATE ELBOW KIT



#### 14865A02

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-6 with 2 piece exhaust manifolds and 3 in. (76 mm) risers - s/n 0W309999 and below

#### INTERMEDIATE ELBOW KIT



#### 866000A01

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-6 with 1.7 in. (43 mm) risers (s/n 0W310000 and up)

### **INTERMEDIATE ELBOW KIT**



#### 866001A01

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-6 with 3 in. (76 mm) risers (s/n 0W310000 and up)

### INTERMEDIATE ELBOW KIT



#### 865949A01

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-6 with 4.7 in. (119 mm) risers (s/n 0W310000 and up)

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#### INTERMEDIATE ELBOW KIT



#### 866002A01

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-6 with 6 in. (152 mm) risers (s/n 0W310000 and up)

#### INTERMEDIATE ELBOW KIT



#### 14801A 1

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-8 (305, 350 & 377 cid) engines (0W309999 and below)

#### INTERMEDIATE ELBOW KIT



#### 866003A01

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-8 (305, 350 & 377 cid) engines with 1.7 in. (43 mm) risers (s/n 0W310000 and up)

### INTERMEDIATE ELBOW KIT



#### 866004A01

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-8 (305, 350 & 377 cid) engines with 3 in. (76 mm) risers (s/n 0W310000 and up)

#### INTERMEDIATE ELBOW KIT



#### 866209A01

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-8 (305, 350 & 377 cid) engines with 4.7 in. (119 mm) risers (s/n 0W310000 and up)

### INTERMEDIATE ELBOW KIT



#### 866005A01

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-8 (305, 350 & 377 cid) engines with 6 in. (152 mm) risers (s/n 0W310000 and up)

### **DROP DOWN BRACKET**



#### 863714T01

Used in conjunction with the 1.7 in. (43 mm) riser kits to relocate the shift plate to a lower position. Bracket is only necessary when boat hull design interferes with shift cable routing

## EXHAUST ELBOW/RISER KITS (8.1L & 8.2L, NON-EC, 2001 & NEWER)

Raises the height of the engines exhaust system to prevent water from entering the engine through the exhaust system. Maximum height of 8 in.(203 mm) available. For use on MCM/MIE 8.1L & 8.2L Non-Emissions Control engines only.

#### **EXHAUST ELBOW KIT - 2 IN.(51 MM)**



#### 862974A05

This elbow is 2 in.(51 mm) higher than the standard elbow. This replaces what was the 3 in.(76 mm) riser kit used on previous big block engines.

Fits MCM/MIE 8.1L & 8.2L non-EC engines

#### **RISER KIT - 6 IN.(152 MM)**



#### 98-8M0124068

This riser will raise the elbow an additional 6 in.(152 mm). If the engine has a 2 in. (51 mm) elbow already on engine, but only needs an additional 4 in.(102 mm) rise, this kit will not work. Order 862354A 1 Exh. Elbow/Riser kit instead.

Fits MCM/MIE 8.1L & 8.2L non-EC engines

#### EXHAUST ELBOW/RISER KIT - 6 IN.(152 MM)



#### 862354A04

Order this kit if the engine has a 2 in.(51 mm) elbow already installed on it, but only needs an additional 4 in.(102 mm) rise. The 2 in.(51 mm) elbow is removed and replaced with the standard rise elbows and a 6 in.(152 mm) riser kit which are included in kit.

Fits MCM/MIE 8.1L & 8.2L non-EC engines

#### EXHAUST ELBOW/RISER KIT - 8 IN.(203 MM)



#### 8M0119280

If the engine has a standard rise elbow already on engine and needs another 8 in. (203 mm) rise, order this kit. The standard rise elbow is removed and replaced with a 2 in.(51 mm) rise elbow and a 6 in.(152 mm) riser kit which are included in this kit

Fits MCM/MIE 8.1L & 8.2L non-EC engines

#### **EXHAUST "Y" PIPE KIT**



#### 98-8M0117125

Used to convert MCM 8.1L & 8.2L engines with thru transom exhaust to thru prop exhaust.

Also requires the use of intermediate elbow kit in conjunction with this "Y" Pipe Kit. For 8.1L & 8.2L non-Emissions Control engines, use 44267A02 or A03. For 8.1L Emissions Control engines, use 44267A04, A05, A06, A07 or A08. For 8.2L Emissions Control engines with three catalyst exhaust manifolds, use 879288A12, A13, A14, A15 or A16.

Fits all MCM 8.1L & 8.2L sterndrive engines, except 2012 & newer 8.2L EC engines with single catalyst exhaust manifolds.

#### INTERMEDIATE ELBOW KIT



#### 44267A02

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L & 8.2L non-EC sterndrive engines with exhaust risers 2 in. (51 mm) to 8 in. (203 mm) high.

### INTERMEDIATE ELBOW KIT



#### 44267A03

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru

Fits MCM 8.1L & 8.2L non-EC sterndrive engines w/o exhaust risers and w/ exhaust risers up to 2 in. (51 mm) high.

### **EXHAUST ELBOW KIT**



#### 879288T83

Design II This elbow is 6 in.(152 mm) higher than the standard elbow. Fits MCM 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350340-2A41664); also fits MCM/MIE 8.1L EC engines

### **EXHAUST RISER CHART - GASOLINE ENGINE (NON-EC ENGINES)**

### 1.7 in. (43 mm) Exhaust Risers-Gasoline Engines

Engine Model	Model Note	Year Range	Serial # Range	1.7 in.(43 mm) Riser Kit	Hose Kit	Intermediate Elbow Kit
	MCM STERNDRIVE MODELS					
MCM V-6 (262 cid)	Engines with standard cooling	2004 - 2016	0W310000 - 2A506375	865995A01(2)	(1)	866000A01(3)
MCM V-6 (262 cid)	Engines with closed cooling	2004 - 2016	0W310000 - 2A506375	865996A01(2)	32-865024A 1	866000A01(3)
MCM V-8 (305, 350 & 377 cid)	Engines with standard cooling	2004 - 2015	0W310000 - 2A455872	865995A01(2)	(1)	866003A01(3)
MCM V-8 (305 & 350 cid)	Carb engines with closed cooling	2004 - 2009	0W310000 - 1A607561	865996A01(2)	(1)	866003A01(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with closed cooling	2004 - 2015	0W310000 - 2A455872	865996A01(2)	32-865029A 1	866003A01(3)
	MIE INBOARD MODELS					
MIE V-8 (350 cid)	Carb engines with standard cooling (in-line)	2002 - 2010	0M390000 - 1A092388	865995A01	(1)	(1)
MIE V-8 (350 cid)	Carb engines with standard cooling (V-drive)	2002 - 2010	0M390000 - 1A092388	865995A01	32-865043A 1	(1)
MIE V-8 (350 cid)	Carb engines with closed cooling	2002 - 2010	0M390000 - 1A092388	865996A01	(1)	(1)
MIE V-8 (350 & 377 cid)	MPI engines with standard cooling	2002 - 2015	0M390000 - 2A455523	865995A01	32-865029A 1	(1)
MIE V-8 (350 & 377 cid)	MPI engines with closed cooling	2002 - 2015	0M390000 - 2A455523	865996A01	32-865029A 1	(1)
	MIE TOW SPORTS MODELS					
SKI V-8 (350 & 377 cid)	MPI engines	2002 - 2015	0M390000 - 2A460138	866007A01	(1)	(1)

### 3 in. (76 mm) Exhaust Risers-Gasoline Engines

Engine Model	Model Note	Year Range	Serial # Range	3 in.(76 mm) Riser Kit	Hose Kit	Intermediate Elbow Kit
	MCM STERNDRIVE MODELS					
MCM 4 cyl. (153 cid)		1983 - 1989	6229718 - 0C853255	N.L.A.	(6)	N.L.A.
MCM 4 cyl. (181 cid)		1983 - 1989	6229718 - 0C853255	N.L.A.	(6)	N.L.A.
MCM 4 cyl. (181 cid)		1990 - 2016	0C856559 - 2A506300	(5)	N/A	N/A
MCM V-6 (229 cid)		1983 - 1984	6330183 - 6919655	93320A13(1)	(6)	N.L.A.(3)
MCM V-6 (262 cid)		1985 - 1986	0A331455 - 0B527954	93320A13(1)	(6)	N.L.A.(3)

<sup>(2)</sup> Additional kit(s) listed are only required upon initial installation of a riser kit. If replacing existing risers, additional kit(s) listed are not required.

<sup>(3)</sup> Installation kit is only required on sterndrive engines that have the exhaust going thru the propeller.

Engine Model	Model Note	Year Range	Serial # Range	3 in.(76 mm) Riser Kit	Hose Kit	Intermediate Elbow Kit
MCM V-6 (262 cid)		1987 - 2001	0B527955 - 0M299999	93320A13(1)(4)(7)	(6)	14865A02(3)
MCM V-6 (262 cid)	Carb engines	2002	0M300000 - 0M614999	93320A13(7)	(6)	14865A02(3)
MCM V-6 (262 cid)	Carb engines with standard cooling	2002 - 2004	0M615000 - 0W309999	864929A 1(7)	(6)	14865A02(3)
MCM V-6 (262 cid)	Carb engines with standard cooling	2004 - 2015	0W310000 - 2A454127	864929A 3(7)	(6)	866001A01(3)
MCM V-6 (262 cid)	Carb engines with closed cooling	2004	0W000000 - 0W309999	864929A 2(7)	32-865024A 1	14865A02(3)
MCM V-6 (262 cid)	Carb engines with closed cooling	2004 - 2015	0W310000 - 2A454127	864929A 4(7)	32-865024A 1	866001A01(3)
MCM V-6 (262 cid)	MPI engines	2002	0M300000 - 0M614999	93320A15(7)	(6)	14865A02(3)
MCM V-6 (262 cid)	MPI engines w/ standard cooling (1 & 3 point drain	2002 - 2004	0M615000 - 0W309999	* *	32-865022A 1	14865A02(3)
MCM V-6 (262 cid)	MPI engines w/ standard cooling (1 & 3 point drain	2004 - 2016	0W310000 - 2A506375	864929A 3(7)	32-865022A 1	866001A01(3)
MCM V-6 (262 cid)	MPI engines with standard cooling (7 point drain)	2002 - 2004	0M615000 - 0W309999	864929A 1(7)	32-865027A 1	14865A02(3)
MCM V-6 (262 cid)	MPI engines with standard cooling (7 point drain)	2004 - 2016	0W310000 - 2A506375	864929A 3(7)	32-865027A 1	866001A01(3)
MCM V-6 (262 cid)	MPI engines with closed cooling	2002 - 2004	0M615000 - 0W309999	864929A 2(7)	32-865024A 1	14865A02(3)
MCM V-6 (262 cid)	MPI engines with closed cooling	2004 - 2016	0W310000 - 2A506375	864929A 4(7)	32-865024A 1	866001A01(3)
MCM V-8 (305 & 350 cid)		1981 - 1984	5907058 - 0B525981	93320A13(1)	(6)	N.L.A.(3)
MCM V-8 (305 & 350 cid)	Cast iron exhaust elbows	1985 - 2001	0B525982 - 0M299999	93320A13(1)(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Stainless steel exhaust elbows	1991 - 1997	0D445800 - 0K999999	93320A14(1)(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines	2002	0M300000 - 0M599999	93320A13(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with standard cooling	2002	0M600000 - 0M614999	864306A 3(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with standard cooling	2002 - 2004	0M615000 - 0W309999	864929A 1(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with standard cooling	2004 - 2009	0W310000 - 1A607561	864929A 3(3)	(6)	866004A01(3)
MCM V-8 (305 & 350 cid)	Carb engines with closed cooling	2002	0M600000 - 0M614999	864306A 2(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with closed cooling	2002 - 2004	0M615000 - 0W309999	864929A 2(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with closed cooling	2004 - 2009	0W310000 - 1A607561	864929A 4(7)	(6)	866004A01(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines	2002	0M300000 - 0M599999	93320A15(7)	(6)	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with standard cooling	2002	0M600000 - 0M614999	864306A 3(7)	(6)	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with standard cooling	2002 - 2004	0M615000 - 0W309999	864929A 1(7)	(6)	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with standard cooling	2004 - 2015	0W310000 - 2A455872	864929A 3(7)	(6)	866004A01(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with closed cooling	2002	0M600000 - 0M614999	864306A 2(7)	(6)	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with closed cooling	2002 - 2004	0M615000 - 0W309999	864929A 2(7)	32-865029A 1	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with closed cooling	2004 - 2015	0W310000 - 2A455872	864929A 4(7)	32-865029A 1	866004A01(3)
MCM V-8 (454 cid)	TR/TRS drive	1982 - 1989	6083145 and up	93320A13(1)	(6)	N.L.A.
MCM V-8 (454 or 502 cid)	Cast iron exhaust elbows	1981 - 2002	5889914 and up	93320A13(1)(7)	(6)	807963A 1(3)
MCM V-8 (454 or 502 cid)	Stainless steel exhaust elbows	1991 - 1997	0D445800 - 0K999999	93320A14(1)(7)	(6)	807963A 1(3)
	MIE INBOARD MODELS					
MIE V-8 (305 & 350 cid)		1981 - 1988	5907058 - 0C396832	93320A13(1)	(6)	(6)
MIE V-8 (350 cid)		1989 - 2001	0C396833 - 0M299999	93320A13(1)	(6)	(6)
MIE V-8 (350 cid)	Carb engines	2002	0M300000 - 0M316999	93320A13	(6)	(6)
MIE V-8 (350 cid)	Carb engines with standard cooling	2002	0M317000 - 0M389999	864306A 5	(6)	(6)
MIE V-8 (350 cid)	Carb engines with standard cooling (in-line)	2002 - 2019	0M390000 and up	864929A 3	(6)	(6)
MIE V-8 (350 cid)	Carb engines with standard cooling (V-drive)	2002 - 2019	0M390000 and up	864929A 3(7)	32-865043A 1	(6)
MIE V-8 (350 cid)	Carb engines with closed cooling	2002 - 2019	0M317000 - 0M389999	864306A 4	(6)	(6)
MIE V-8 (350 cid)	Carb engines with closed cooling	2002 - 2010	0M390000 - 1A092388	864929A 4	(6)	(6)
MIE V-8 (350 & 377 cid)	MPI engines	2002 - 2010	0M300000 - 1A092388	93320A15		
MIE V-8 (350 & 377 cid)	MPI engines MPI engines with standard cooling	2002	0M317000 - 0M389999		(6)	(6)
,	·				(6)	(6)
MIE V-8 (350 & 377 cid)	MPI engines with standard cooling	2002 - 2015	0M390000 - 2A455523	864929A 3	(6)	(6)
MIE V-8 (350 & 377 cid) MIE V-8 (350 & 377 cid)	MPI engines with closed cooling MPI engines with closed cooling	2002 2002 - 2015	0M317000 - 0M389999 0M390000 - 2A455523	864306A 4 864929A 4(7)	(6) 32-865029A 1	(6) (6)
	Singinos mai sissou cooling	2002 2010	5M1000000 - 2M100020	33.1020/1.1(1)	0= 0000EUN 1	(♥)

Engine Model	Model Note	Year Range	Serial # Range	3 in.(76 mm) Riser Kit	Hose Kit	Intermediate Elbow Kit
MIE V-8 (454 or 502 cid)	Stainless steel exhaust elbows	1991 - 1997	0D445800 - 0K999999	93320A14(1)	(6)	(6)
	MIE TOW SPORTS MODELS					
SKI V-8 (350 cid)		1985 - 1984	0A338553 - 0B525981	93320A13(1)	(6)	(6)
SKI V-8 (350 & 377cid)		1985 - 2001	0B525982 - 0M299999	93320A13(1)	(6)	(6)
SKI V-8 (350 cid)	Carb engines	2002	0M300000 - 0M316999	93320A13	(6)	(6)
SKI V-8 (350 cid)	Carb engines	2002 - 2011	0M317000 - 1A092837	(5)	N/A	N/A
SKI V-8 (350 & 377 cid)	MPI engines	2002	0M300000 - 0M316999	93320A15	(6)	(6)
SKI V-8 (350 & 377 cid)	MPI engines	2002 - 2015	0M317000 - 2A460138	(5)	N/A	N/A

<sup>(1)</sup> If riser is going on a 1997 and older engine, that has the exhaust manifolds in the closed cooling system, also order 2 pcs. of 27-860231 separator gaskets to go between the manifold and risers.

### 4.7 in. (119 mm) Exhaust Risers-Gasoline Engines

Engine Model	Model Note	Year Range	Serial # Range	4.7 in.(119 mm) Riser Kit	Hose Kit	Intermediate Elbow Kit
	MON OTERNIDANIE MODELO					
	MCM STERNDRIVE MODELS					
MCM V-6 (262 cid)	Carb engines with standard cooling	2004 - 2015	0W310000 - 2A454127	866208A02(3)	(2)	865949A01(4)
MCM V-6 (262 cid)	Carb engines with closed cooling	2004 - 2015	0W310000 - 2A454127	866208A03(3)	(2)	865949A01(4)
MCM V-6 (262 cid)	MPI engines with standard cooling (7 point drain)	2004 - 2016	0W310000 - 2A506375	866208A02(3)	32-865022A 1	865949A01(4)
MCM V-6 (262 cid)	MPI engines with closed cooling	2004 - 2016	0W310000 - 2A506375	866208A03(3)	32-865998A01	865949A01(4)
MCM V-8 (305 & 350 cid)	Carb engines with standard cooling	2004 - 2009	0W310000 - 1A607561	866208A02(3)	(2)	866209A01(4)
MCM V-8 (305 & 350 cid)	Carb engines with closed cooling	2004 - 2009	0W310000 - 1A607561	866208A03(3)	32-865039A 1	866209A01(4)
MCM V-8 (305, 350 & 377 cid)	MPI engines w/ standard cooling 1 & 3 point drain)	2004 - 2015	0W310000 - 2A455872	866208A02(3)	32-865033A 1	866209A01(4)
MCM V-8 (305, 350 & 377 cid)	MPI engines with standard cooling (7 point drain)	2004 - 2015	0W310000 - 2A455872	866208A02(3)	(2)	866209A01(4)
MCM V-8 (305, 350 & 377 cid)	MPI engines with closed cooling	2004 - 2015	0W310000 - 2A455872	866208A03(3)	32-865039A 1	866209A01(4)
	MIE INBOARD MODELS					
MIE V-8 (350 cid)	Carb engines with standard cooling (in-line)	2002 - 2010	0M390000 - 1A092388	866208A02	(2)	(2)
MIE V-8 (350 cid)	Carb engines with standard cooling (V-drive)	2002 - 2010	0M390000 - 1A092388	866208A02(3)	32-865043A 1	(2)
MIE V-8 (350 cid)	Carb engines with closed cooling	2002 - 2010	0M390000 - 1A092388	866208A03(3)	32-865039A 1	(2)
MIE V-8 (350 & 377 cid)	MPI engines with standard cooling (in-line)	2002 - 2015	0M390000 - 2A455523	866208A02(3)	32-865035A 1	(2)
MIE V-8 (350 & 377 cid)	MPI engines with standard cooling (V-drive)	2002 - 2015	0M390000 - 2A455523	866208A02(3)	N.L.A.	(2)
MIE V-8 (350 & 377 cid)	MPI engines with closed cooling (in-line)	2002 - 2015	0M390000 - 2A455523	866208A03(3)	32-865039A 1	(2)
MIE V-8 (350 & 377 cid)	MPI engines with closed cooling (V-drive)	2002 - 2015	0M390000 - 2A455523	866208A03(3)	32-865041A 1	(2)
	MIE TOW ODODTO MODEL O					
014114 0 4050 0 0555 1 11	MIE TOW SPORTS MODELS	2222 2245	011000000 01100100	(4)		
SKI V-8 (350 & 377 cid)	MPI engines	2002 - 2015	0M390000 - 2A460138	(1)	N/A	N/A

<sup>(1)</sup> No kit available

<sup>(3)</sup> Installation Kit is only required on sterndrive engines that have the exhaust going thru the propeller.

<sup>(4)</sup> Will not fit MCM V-6 engines with the 1 pc exhaust manifold.

<sup>(5)</sup> No kit available

<sup>(6)</sup> Kit not required

<sup>(7)</sup> Additional kit(s) listed are only required upon initial installation of a riser kit. If replacing existing risers, additional kit(s) listed are not required.

<sup>(2)</sup> Kit not required

<sup>(3)</sup> Additional kit(s) listed are only required upon initial installation of a riser kit. If replacing existing risers, additional kit(s) listed are not required.

<sup>(4)</sup> Installation kit is only required on sterndrive engines that have the exhaust going thru the propeller.

# 6 in. (152 mm) Exhaust Risers-Gasoline Engines

Engine Model	Model Note	Year Range	Serial # Range	6 in.(152 mm) Riser Kit	Hose Kit	Intermediate Elbow Kit
				· · ·		· · ·
MON 4 1 (450 : 1)	MCM STERNDRIVE MODELS	4000 4000	0000740 00050055	N1. A	(0)	N.I. A
MCM 4 cyl. (153 cid)		1983 - 1989 1983 - 1989	6229718 - 0C853255	N.L.A.	(6)	N.L.A. N.L.A.
MCM 4 cyl. (181 cid)		1903 - 1909	6229718 - 0C853255	N.L.A.	(6) N/A	N.L.A. N/A
MCM 4 cyl. (181 cid)		1990 - 2010	0C856559 - 2A506300	(5)	IN/A	N/A
MCM V-6 (229 cid)		1983 - 1984	6330183 - 6919655	93322A12(1)(2)	(6)	N.L.A.(3)
MCM V-6 (262 cid)		1985 - 1986	0A331455 - 0B527954	93322A12(1)(2)	(6)	N.L.A.(3)
MCM V-6 (262 cid)		1987 - 2001	0B527955 - 0M299999	93322A12(1)(2)(4)	(6)	N.L.A.(3)
MCM V-6 (262 cid)	Carb engines	2002	0M300000 - 0M614999	93322A12(7)	(6)	N.L.A.(3)
MCM V-6 (262 cid)	Carb engines with standard cooling	2002 - 2004	0M615000 - 0W309999	* *	N/A	N/A
MCM V-6 (262 cid)	Carb engines with standard cooling	2004 - 2015	0W310000 - 2A454127		(6)	866002A01(3)
MCM V-6 (262 cid)	Carb engines with closed cooling	2004	0W000000 - 0W309999	* *	N/A	N/A
MCM V-6 (262 cid)	Carb engines with closed cooling	2004 - 2015	0W310000 - 2A454127	864908A 2(8)	(6)	866002A01(3)
MCM V-6 (262 cid)	MPI engines	2002	0M300000 - 0M614999	93322A10(7)	(6)	N.L.A.(3)
MCM V-6 (262 cid)	MPI engines with standard cooling	2002 - 2004	0M615000 - 0W309999	* *	N/A	N/A
MCM V-6 (262 cid)	MPI engines with standard cooling	2004 - 2016	0W310000 - 2A506375	` '	32-865022A 1	866002A01(3)
MCM V-6 (262 cid)	MPI engines with closed cooling	2002 - 2004	0M615000 - 0W309999	. ,	N/A	N/A
MCM V-6 (262 cid)	MPI engines with closed cooling	2004 - 2016	0W310000 - 2A506375		32-865998A01	866002A01(3)
	o.ig.i.oo iii.i. o.cood ocoig	200. 20.0	2.00007	00.000.12(1)	02 000000.101	000021101(0)
MCM V-8 (305 & 350 cid)		1981 - 1984	5907058 - 0B525981	93322A12(1)(2)	(6)	N.L.A.(3)
MCM V-8 (305 & 350 cid)	Cast iron exhaust elbows	1985 - 2001	0B525982 - 0M299999	93322A12(1)(2)(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Stainless steel exhaust elbows	1991 - 1997	0D445800 - 0K999999	807477A 5(1)(2)(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines	2002	0M300000 - 0M599999	93322A12(7)	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with standard cooling	2002	0M600000 - 0M614999		(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with standard cooling	2002 - 2004	0M615000 - 0W309999	* *	(6)	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with standard cooling	2004 - 2009	0W310000 - 1A607561	864908A 1(7)	(6)	866005A01(3)
MCM V-8 (305 & 350 cid)	Carb engines with closed cooling	2002	0M600000 - 0M614999	* *	32-865039A 1	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with closed cooling	2002 - 2004	0M615000 - 0W309999	* *	32-865039A 1	14801A 1(3)
MCM V-8 (305 & 350 cid)	Carb engines with closed cooling	2004 - 2009	OW310000 - 1A607561		32-865039A 1	866005A01(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines	2002	0M300000 - 0M599999	93322A10(7)	(6)	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with standard cooling	2002	0M600000 - 0M614999		(6)	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines w/ standard cooling (1 & 3 point drain	2002 - 2004	0M615000 - 0W309999	* *	32-865033A 1	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines w/ standard cooling (1 & 3 point drain	2004 - 2015	0W310000 - 2A455872	864908A 1(7)	32-865033A 1	866005A01(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with standard cooling (7 point drain)	2002 - 2004	0M615000 - 0W309999	864908A 1(7)	(6)	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with standard cooling (7 point drain)	2004 - 2015	0W310000 - 2A455872		(6)	866005A01(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with closed cooling	2002	0M600000 - 0M614999		(6)	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with closed cooling	2002 - 2004	0M615000 - 0W309999		32-865039A 1	14801A 1(3)
MCM V-8 (305, 350 & 377 cid)	MPI engines with closed cooling	2004 - 2015	0W310000 - 2A455872		32-865039A 1	866005A01(3)
,						.,
MCM V-8 (454 cid)	TR/TRS drive	1982 - 1989	6083145 and up	93322A12(1)(2)	(6)	N.L.A.
MCM V-8 (454 or 502 cid)	Cast iron exhaust elbows	1981 - 2002	5889914 and up	93322A12(1)(2)(7)	(6)	807963A 1(3)
MCM V-8 (454 or 502 cid)	Stainless steel exhaust elbows	1991 - 1997	0D445800 - 0K999999	807477A 5(1)(2)(7)	(6)	807963A 1(3)
	MIE INBOARD MODELS					
MIE V-8 (305 & 350 cid)		1981 - 1988	5907058 - 0C396832	93322A12(1)(2)	(6)	(6)
MIE V-8 (350 cid)		1989 - 2001	0C396833 - 0M299999	93322A12(1)(2)	(6)	(6)
MIE V-8 (350 cid)	Carb engines	2002	0M300000 - 0M316999	93322A12	(6)	(6)
MIE V-8 (350 cid)	Carb engines with standard cooling	2002	0M317000 - 0M389999		(6)	(6)
MIE V-8 (350 cid)	Carb engines with standard cooling (in-line)	2002 - 2010	0M390000 - 1A092388	864908A 1	(6)	(6)
MIE V-8 (350 cid)	Carb engines with standard cooling (V-drive)	2002 - 2010	0M390000 - 1A092388		32-865043A 1	(6)

Engine Model	Model Note	Year Range	Serial # Range	6 in.(152 mm) Riser Kit	Hose Kit	Intermediate Elbow Kit
MIE V-8 (350 cid)	Carb engines with closed cooling	2002	0M317000 - 0M389999	N.L.A.(7)	32-865039A 1	(6)
MIE V-8 (350 cid)	Carb engines with closed cooling	2002 - 2010	0M390000 - 1A092388	864908A 2(7)	32-865039A 1	(6)
MIE V-8 (350 & 377 cid)	MPI engines	2002	0M300000 - 0M316999	93322A10	(6)	(6)
MIE V-8 (350 & 377 cid)	MPI engines with standard cooling	2002	0M317000 - 0M389999	N.L.A.	(6)	(6)
MIE V-8 (350 & 377 cid)	MPI engines with standard cooling (in-line)	2002 - 2015	0M390000 - 2A455523	864908A 1(7)	32-865035A 1	(6)
MIE V-8 (350 & 377 cid)	MPI engines with standard cooling (V-drive)	2002 - 2015	0M390000 - 2A455523	864908A 1(7)	N.L.A.	(6)
MIE V-8 (350 & 377 cid)	MPI engines with closed cooling	2002	0M317000 - 0M389999	N.L.A.(8)	(6)	(6)
MIE V-8 (350 & 377 cid)	MPI engines with closed cooling (in-line)	2002 - 2015	0M390000 - 2A455523	864908A 2(7)	32-865039A 1	(6)
MIE V-8 (350 & 377 cid)	MPI engines with closed cooling (V-drive)	2002 - 2015	0M390000 - 2A455523	864908A 2(7)	32-865041A 1	(6)
MIE V-8 (454 or 502 cid)	Cast iron exhaust elbows	1981 - 2002	5889914 and up	93322A12(1)(2)	(6)	(6)
MIE V-8 (454 or 502 cid)	Stainless steel exhaust elbows	1991 - 1997	0D445800 - 0K999999	807477A 5(1)(2)	(6)	(6)
	MIE TOW SPORTS MODELS					
SKI V-8 (350 cid)		1985 - 1984	0A338553 - 0B525981	93322A12(1)(2)	(6)	(6)
SKI V-8 (350 & 377cid)		1985 - 2001	0B525982 - 0M299999	93322A12(1)(2)	(6)	(6)
SKI V-8 (350 cid)	Carb engines	2002	0M300000 - 0M316999	93322A12	(6)	(6)
SKI V-8 (350 cid)	Carb engines	2002 - 2011	0M317000 - 1A092837	(5)	N/A	N/A
SKI V-8 (350 & 377 cid)	MPI engines	2002	0M300000 - 0M316999	93322A10	(6)	(6)
SKI V-8 (350 & 377 cid)	MPI engines	2002 - 2015	0M317000 - 2A460138	(5)	N/A	N/A

- (1) If riser is going on a 1997 and older engine, that has the exhaust manifolds in the closed cooling system, also order 2 pcs. of 27-860231 separator gaskets to go between the manifold and risers.
- (2) If engine has a remote oil filter, an Oil Filter Hose Extension Kit or Oil Filter Bracket may be required.
- (3) Installation Kit is only required on sterndrive engines that have the exhaust going thru the propeller.
- (4) Will not fit MCM V-6 engines with the 1 pc exhaust manifold.
- (5) No kit available
- (6) Kit not required
- (7) Additional kit(s) listed are only required upon initial installation of a riser kit. If replacing existing risers, additional kit(s) listed are not required.
- (8) If engine had a Quicksilver closed cooling kit installed, it will be necessary to order a warm riser kit, p/n 864908A 2, instead of the one listed. Warm risers will have the water hose fitting located on the upper part of the riser, close to the exhaust e

# EXHAUST RISER KITS (GAS, SMALL BLOCK, EMISSIONS CONTROL)

Raises the height of the V-6 & V-8 small block EC engines exhaust system to prevent water from entering the engine through the exhaust system. Maximum height of 8 in.(203 mm). For MCM/MIE 8.1L & 8.2L EC engines see "Exhaust Elbow Riser Kits (8.1L) Emissions Control" section or "Exhaust Elbow Riser Kits (8.2L) Emissions Control" section.

### **RISER KIT**



#### 8M0153670

2 in. (51 mm) for Emissions Control exhaust manifolds. Fits 2008 and newer MCM/MIE/Ski V-6 (4.3L & 4.5L) & V-8 (305, 350 & 377 cid) EC engines. Also fits 4.5L V-6 & 6.2L (Mercury) non-EC engines. Note: This kit does NOT include elbow gaskets for FWC engines. The FWC elbow gaskets 27-8M2004606 will need to be ordered separately

#### **RISER KIT**



#### 8M0153486

6 in. (152 mm) for Emissions Control exhaust manifolds.

Fits 2008 and newer MCM/MIE/Ski V-6 (4.3L & 4.5L) & V-8 (305, 350 & 377 cid) EC engines. Also fits 4.5L V-6 & 6.2L (Mercury) non-EC engines. Note: This kit does NOT include elbow gaskets for FWC engines. The FWC elbow gaskets 27-8M2004606 will need to be ordered separately

#### 8M0153486

6 in. (152 mm) for Emissions Control exhaust manifolds.

Fits 2008 and newer MCM/MIE/Ski V-6 (4.3L & 4.5L) & V-8 (305, 350 & 377 cid) EC engines. Also fits 4.5L V-6 & 6.2L (Mercury) non-EC engines. Note: This kit does NOT include elbow gaskets for FWC engines. The FWC elbow gaskets 27-8M2004606 will need to be ordered separately

#### INTERMEDIATE ELBOW KIT



#### 879288A35

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-6 (4.3L & 4.5L) & V-8 (305, 350 & 377 cid) EC engines with 2 in. (51 mm) risers. Also fits 4.5L V-6 & 6.2L (Mercury) non-EC engines.

#### INTERMEDIATE ELBOW KIT



#### 879288A36

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-6 (4.3L & 4.5L) & V-8 (305, 350 & 377 cid) EC engines with 4 in. (102 mm) risers. Also fits 4.5L V-6 & 6.2L (Mercury) non-EC engines.

### INTERMEDIATE ELBOW KIT



#### 879288A37

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-6 (4.3L & 4.5L) & V-8 (305, 350 & 377 cid) EC engines with 6 in. (152 mm) risers. Also fits 4.5L V-6 & 6.2L (Mercury) non-EC engines.

#### INTERMEDIATE ELBOW KIT



### 879288A38

Only required on sterndrive engines that have the exhaust going through the prop. Fits MCM V-8 (305, 350 & 377 cid) EC engines with 8 in. (203 mm) risers.

#### **HOSE KIT**



#### 32-8M0051174

Supplemental hose kit required for closed cooling engines. Fits 2011-2016 MCM 4.3L MPI EC engines w/ 2 in.(51 mm) risers

#### **HOSE KIT**



#### 32-8M0051175

Supplemental hose kit required for closed cooling engines. Fits 2011-2016 MCM 4.3L MPI EC engines w/ 4 in.(102 mm) risers

#### **HOSE KIT**



#### 32-8M0051176

Supplemental hose kit required for closed cooling engines. Fits 2011-2016 MCM 4.3L MPI EC engines w/ 6 in.(152 mm) risers

#### **HOSE KIT**



#### 8M0096701

Supplemental hose kit required for standard cooling engines.
Fits 2014 & newer MCM 4.5L V6 EC & non-EC engines w/ 6 in.(152 mm) risers

#### **HOSE KIT**



#### 8M0089504

Supplemental hose kit required for closed cooling engines. Fits 2014 & newer MCM 4.5L V6 EC & non-EC engines w/ 6 in.(152 mm) risers

### **EXHAUST ELBOW RISER KITS (8.1L) EMISSIONS CONTROL**

Raises the height of the engines exhaust system to prevent water from entering the engine through the exhaust system. Maximum height of 8 in.(203 mm) available. For use on MCM/MIE 8.1L Emissions Control engines only.

#### **EXHAUST ELBOW KIT**



### 8M0062051

This elbow is 2 in.(51 mm) higher than the standard elbow. Fits MCM/MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **EXHAUST ELBOW KIT**



#### 8M0062052

This elbow is 4 in.(102 mm) higher than the standard elbow. Fits MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **EXHAUST ELBOW KIT**



#### 8M0062053

This elbow is 6 in.(152 mm) higher than the standard elbow. Fits MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **EXHAUST ELBOW KIT**



#### 879288T84

Design II
This elbow is 8 in.(203 mm) higher than the standard elbow. Fits MCM 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350340-2A41664); also fits MCM/MIE 8.1L EC engines

#### **EXHAUST "Y" PIPE KIT**



#### 98-8M0117125

Used to convert MCM 8.1L & 8.2L engines with thru transom exhaust to thru prop

Also requires the use of intermediate elbow kit in conjunction with this "Y" Pipe Kit. For 8.1L & 8.2L non-Emissions Control engines, use 44267A02 or A03. For 8.1L Emissions Control engines, use 44267A04, A05, A06, A07 or A08. For 8.2L Emissions Control engines with three catalyst exhaust manifolds, use 879288A12, A13, A14, A15 or A16.

Fits all MCM 8.1L & 8.2L sterndrive engines, except 2012 & newer 8.2L EC engines with single catalyst exhaust manifolds.

#### INTERMEDIATE ELBOW KIT



#### 44267404

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with standard 0" risers.

### INTERMEDIATE ELBOW KIT



#### 44267A05

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with 2 in. (51 mm) risers.

#### INTERMEDIATE ELBOW KIT



#### 44267A06

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with 4 in. (102 mm) risers.

#### **INTERMEDIATE ELBOW KIT**



### 44267A07

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with 6 in. (152 mm) risers.

#### INTERMEDIATE ELBOW KIT



#### 44267A08

Used in conjunction with Exhaust "Y" Pipe kit 8M0117125 to convert engine to thru prop exhaust.

Fits MCM 8.1L EC engines with 8 in. (203 mm) risers.

# EXHAUST ELBOW RISER KITS (8.2L) EMISSIONS CONTROL

Raises the height of the engines exhaust system to prevent water from entering the engine through the exhaust system. Maximum height of 8 in.(203 mm) available. For use on MCM/MIE 8.2L Emissions Control engines only.

#### **EXHAUST ELBOW KIT**



#### 8M0057574

2 in.(51 mm) riser height

Fits 2012 & newer MCM/MIE 8.2L Emissions Control engines with single catalyst exhaust manifolds (s/n 2A041665 and up)

#### **EXHAUST ELBOW KIT**



#### 8M0057575

4 in.(102 mm) riser height

Fits 2012 & newer MCM/MIE 8.2L Emissions Control engines with single catalyst exhaust manifolds (s/n 2A041665 and up)

#### **EXHAUST ELBOW KIT**



#### 8M0057576

6 in.(152 mm) rider height

Fits 2012 & newer MCM/MIE 8.2L Emissions Control engines with single catalyst exhaust manifolds (s/n 2A041665 and up)

#### INTERMEDIATE ELBOW KIT



#### 8M0095832

Required when changing exhaust elbow height to 2 in. (51 mm) risers. Fits 2012 & newer MCM 8.2L EC engines with single catalyst exhaust manifolds and 2 in. (51 mm) risers (s/n 2A041665 and up)

#### INTERMEDIATE ELBOW KIT



#### 8M0095833

Required when changing exhaust elbow height to 4 in. (102 mm) risers. Fits 2012 & newer MCM 8.2L EC engines with single catalyst exhaust manifolds and 4 in. (102 mm) risers (s/n 2A041665 and up)

#### INTERMEDIATE ELBOW KIT



#### 8M0095834

Required when changing exhaust elbow height to 6 in. (152 mm) risers. Fits 2012 & newer MCM 8.2L EC engines with single catalyst exhaust manifolds and 6 in. (152 mm) risers (s/n 2A041665 and up)

#### **EXHAUST ELBOW KIT**



#### 8M0062051

This elbow is 2 in.(51 mm) higher than the standard elbow. Fits MCM/MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **EXHAUST ELBOW KIT**



#### 8M0062052

This elbow is 4 in.(102 mm) higher than the standard elbow. Fits MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **EXHAUST ELBOW KIT**



#### 8M0062053

This elbow is 6 in.(152 mm) higher than the standard elbow. Fits MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **EXHAUST ELBOW KIT**



#### 879288T84

Design II
This elbow is 8 in.(203 mm) higher than the standard elbow.
Fits MCM 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350340-2A41664); also fits MCM/MIE 8.1L EC engines

### **EXHAUST ELBOW KIT**



#### 8M0062051

This elbow is 2 in.(51 mm) higher than the standard elbow. Fits MCM/MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **EXHAUST ELBOW KIT**



#### 8M0062052

This elbow is 4 in.(102 mm) higher than the standard elbow. Fits MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **EXHAUST ELBOW KIT**



#### 8M0062053

This elbow is 6 in.(152 mm) higher than the standard elbow. Fits MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **EXHAUST ELBOW KIT**



#### 8M0062054

This elbow is 8 in.(203 mm) higher than the standard elbow. Fits MIE 8.2L EC engines with three catalyst exhaust manifolds (s/n 1A350802-2A041664)

#### **INTERMEDIATE ELBOW KIT**



#### 879288A13

Used in conjunction with Exhaust "Y" Pipe Kit 8M0117125 to convert engine to thru prop exhaust.

Fits 2010-2012 MCM 8.2L EC engines with three catalyst exhaust manifolds and 2 in. (51 mm) risers (s/n 2A041664 and below)

### **INTERMEDIATE ELBOW KIT**



#### 879288A14

Used in conjunction with Exhaust "Y" Pipe Kit 8M0117125 to convert engine to thru prop exhaust.

Fits 2010-2012 MCM 8.2L EC engines with three catalyst exhaust manifolds and 4 in. (102 mm) risers (s/n 2A041664 and below)

#### INTERMEDIATE ELBOW KIT



#### 879288A15

Used in conjunction with Exhaust "Y" Pipe Kit 8M0117125 to convert engine to thru prop exhaust.

Fits 2010-2012 MCM 8.2L EC engines with three catalyst exhaust manifolds and 6 in. (152 mm) risers (s/n 2A041664 and below)

### **EXHAUST "Y" PIPE KIT**



#### 98-8M0117125

Used to convert MCM 8.1L & 8.2L engines with thru transom exhaust to thru prop

Also requires the use of intermediate elbow kit in conjunction with this "Y" Pipe Kit. For 8.1L & 8.2L non-Emissions Control engines, use 44267A02 or A03. For 8.1L Emissions Control engines, use 44267A04, A05, A06, A07 or A08. For 8.2L Emissions Control engines with three catalyst exhaust manifolds, use 879288A12, A12, A14, A15, or A16. A13, A14, A15 or A16.

Fits all MCM 8.1L & 8.2L sterndrive engines, except 2012 & newer 8.2L EC engines with single catalyst exhaust manifolds.

### **EXHAUST RISER CHART - GAS, EMISSIONS CONTROL ENGINES**

### Exhaust Risers (Gas, Emissions Control engines)

Engine Model	Model Note	Year Range	Serial # Range	Riser Kit	Riser Height	Intermediate Elbow Kit	Hose Kit
MCM 4.3 EC	MPI engines	2011 - 2016	1A637496 - 2A528897	8M0153670(7)	2 in. (51 mm)	879288A35(1)	32-8M0051174(4)
MCM 4.3L EC	MPI engines	2011 - 2016	1A637496 - 2A528897	8M0153671(7)	4 in. (102 mm)	879288A36(1)	32-8M0051175(4)
MCM 4.3L EC	MPI engines	2011 - 2016	1A637496 - 2A528897	8M0153486(7)	6 in. (152 mm)	879288A37(1)	32-8M0051176(4)
MCM 4.5L MPI	EC & Non-EC	2014 - 2019	2A441953 and up	8M0153670(7)	2 in. (51 mm)	879288A35(1)	N/A
MCM 4.5L MPI	EC & Non-EC	2014 - 2019	2A441953 and up	8M0153671(7)	4 in. (102 mm)	879288A36(1)	N/A
MCM 4.5L MPI	EC & Non-EC w/ standard cooling	2014 - 2019	2A441953 and up	8M0153486(7)	6 in. (152 mm)	879288A37(1)	8M0096701(5)
MCM 4.5L MPI	EC & Non-EC w/ closed cooling	2014 - 2019	2A441953 and up	8M0153486(7)	6 in. (152 mm)	879288A37(1)	8M0089504(6)
MCM/MIE V-8 (305, 350 & 377 cid)	MPI engines	2008 - 2015	1A300000 - 2A455878	8M0153670(7)	2 in. (51 mm)	879288A35(1)	N/A
MCM/MIE V-8 (305, 350 & 377 cid)	MPI engines	2008 - 2015	1A300000 - 2A455878	8M0153671(7)	4 in. (102 mm)	879288A36(1)	N/A
MCM/MIE V-8 (305, 350 & 377 cid)	MPI engines	2008 - 2015	1A300000 - 2A455878	8M0153486(2)(3) (7)	6 in. (152 mm)	879288A37(1)	N/A
MCM/MIE V-8 (305, 350 & 377 cid)	MPI engines	2008 - 2015	1A300000 - 2A455878	N.L.A.(2)(3)	8 in. (203 mm)	879288A38(1)	N/A
MCM/MIE/Tow Sports 6.2L MPI	EC & Non-EC	2015 - 2019	2A456613 and up	8M0153670(7)	2 in. (51 mm)	879288A35(1)	N/A
MCM/MIE/Tow Sports 6.2L MPI	EC & Non-EC	2015 - 2019	2A456613 and up	8M0153671(7)	4 in. (102 mm)	879288A36(1)	N/A
MCM/MIE/Tow Sports 6.2L MPI	EC & Non-EC	2015 - 2019	2A456613 and up	8M0153486(7)	6 in. (152 mm)	879288A37(1)	N/A
MIE Tow Sports V-8 (350 & 377 cid)	MPI engines with standard cooling	2008 - 2015	1A090000 - 2A460148	8M0153670	2 in. (51 mm)	N/A	N/A
MCM/MIE V-8 (496 cid)	MPI engines	2008 - 2010	1A066166 - 1A380251	8M0062051	2 in. (52 mm)	44267A05(1)	N/A
MCM/MIE V-8 (496 cid)	MPI engines	2008 - 2010	1A066166 - 1A380251	8M0062052	4in. (102 mm)	44267A06(1)	N/A
MCM/MIE V-8 (496 cid)	MPI engines	2008 - 2010	1A066166 - 1A380251	879288T83	6 in. (152 mm)	44267A07(1)	N/A
MCM/MIE V-8 (496 cid)	MPI engines	2008 - 2010	1A066166 - 1A380251	879288T84	8 in. (203 mm)	44267A08(1)	N/A
MCM/MIE V-8 (502 cid)	MPI engines with 3 catalyst exhaust manifolds	2010 - 2012	1A350340 - 2A041664	8M0062051	2 in. (52 mm)	879288A13(1)	N/A
MCM/MIE V-8 (502 cid)	MPI engines with 3 catalyst exhaust manifolds	2010 - 2012	1A350340 - 2A041664	8M0062052	4 in. (102 mm)	879288A14(1)	N/A
MCM/MIE V-8 (502 cid)	MPI engines with 3 catalyst exhaust manifolds	2010 - 2012	1A350340 - 2A041664	879288T83	6 in. (152 mm)	879288A15(1)	N/A
MCM/MIE V-8 (502 cid)	MPI engines with 3 catalyst exhaust manifolds	2010 - 2012	1A350340 - 2A041664	879288T84	8 in. (203 mm)	N.L.A.(1)	N/A
MCM/MIE V-8 (502 cid)	MPI engines with single catalyst exhaust manifolds	2012 - 2019	2A041665 and up	8M0057574	2 in. (52 mm)	8M0095832(1)	N/A
MCM/MIE V-8 (502 cid)	MPI engines with single catalyst exhaust manifolds	2012 - 2019	2A041665 and up	8M0057575	4 in. (102 mm)	8M0095833(1)	N/A

### **MERCRUISER**

Engine Model	Model Note	Year Range	Serial # Range	Riser Kit		Intermediate Elbow Kit	Hose Kit
MCM/MIE V-8 (502 cid)	MPI engines with single catalyst exhaust manifolds	2012 - 2019	2A041665 and up	8M0057576	6 in. (152 mm)	8M0095834(1)	N/A

- (1) Only required on sterndrive engines that have the exhaust going thru the prop.
- (2) Order Poppet Valve Kit 879288A26 if converting a closed cooled MCM engine having 0 in., 2 in. or 4 in. risers.
- (3) Order Poppet Valve Kit 879288A27 if converting a closed cooled MIE engine having 0 in., 2 in. or 4 in. risers.
- (4) Hose kit required only if closed cooled engine
- (5) Use on standard cooling engines
- (6) Use on closed cooling engines
- (7) Order FWC elbow gaskets 27-8M2004606 separately if installing on a closed cooled MCM/MIE engine

### **EXHAUST MANIFOLD FITTINGS**

### EXHAUST MANIFOLD DRAIN ELBOW



#### 22-862210A01

Stainless steel with drain

Fits MCM/MIE V-6 & V-8 engines with center rise exhaust manifolds.

#### EXHAUST MANIFOLD ELBOW



#### 22-36305T

Brass material without drain

Use on big block V-8 engines that have the exhaust manifolds in the closed cooling system.

### **CARBURETOR WEDGE KIT**

#### **CARBURETOR WEDGE KIT**



#### 879288T62

Helps eliminate carburetor lean out condition in extremely hard right turns. Fits MCM 3.0L engines (1998-2016)

### **COOL FUEL RELOCATION KITS**

These kits are for engines that need the cool fuel system relocated to the front of the engine due to interference with engine plate mounts or other components.

#### **COOL FUEL RELOCATION KIT**



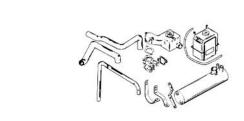
#### 861637A 2

For 1998-2001 MCM 454/502 MPI engines with MEFI 3 ignition (s/n 0L085400-0M024999).

### **CLOSED COOLING KITS**

Some engine models will require a closed cooling kit, a belt kit, and a seawater pump kit. Other models will not require all these kits. A note indicates that there might be a different kit that is required to make the kits fit the engine on which the closed cooling is being installed. N/A = Not Applicable.

#### **CLOSED COOLING KIT**



#### 61086A11

Side mounted kit. This kit fits front mount engines only.

Fits MCM 120, 140, 2.5L & 3.0L/LX (1983-2016)

#### **CLOSED COOLING KIT**

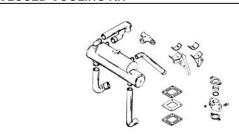


#### 879288A02

Side mounted kit.
This kit fits front mount engines only.

Fits 2008-2016 MCM 3.0 MPI Emissions Control engine.

#### **CLOSED COOLING KIT**



#### 860427A 4

Front mounted kit.

Fits MCM V-6 & V-8 (350 cid) engines w/ serpentine belt.

#### 864920A02

Front mounted kit. Full closed system which also protects the dry joint exhaust manifolds from corrosion.

Fits 2002-2016 MCM V-6 & V-8 (305, 350 & 377) MPI engines (s/n 0M600000 thru 24506375)

2A506375).

Fits 2002-2015 MIE V-8 (350 cid) MPI engines (s/n 0M317000 thru 2A455523).

See application chart.

#### **CLOSED COOLING KIT**

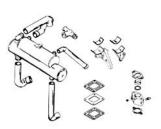


### 98-8M0118064

Front mounted kit.

Fits 2005-2015 MCM V-6 TKS engines (s/n 0W310000 thru 2A454127). See application chart.

#### **CLOSED COOLING KIT**



#### 8M0051178

Front mounted kit. Full closed system which also protects the dry joint exhaust manifolds from corrosion.

Fits 2011-2016 MCM 4.3L MPI Emissions Control engines.

#### **CLOSED COOLING KIT**



#### 8M0119309

Front mounted kit. Full closed system which also protects the exhaust manifolds from corrosion.

Fits 2014 & newer MCM 4.5L MPI engines (s/n 2A441953 & up)

#### **CLOSED COOLING KIT**



#### 98-8M0112577

Front mounted kit. Full closed system which also protects the exhaust manifolds from corrosion.

Fits 2015-2016 MCM 6.2L Bravo (s/n 2A456613-2A530775) & TowSport 6.2L (s/n 2A456613-2A530773). NOTE: If installing on 6.2L TowSport V-drive models with the exhaust elbow outlets pointing to the fromt of the engine, this kit can only be used on DTS models only.

### **CLOSED COOLING KIT**

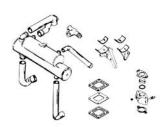
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#### 98-8M0123588

Front mounted kit. Full closed system which also protects the exhaust manifolds from corrosion.

Fits 2016 & newer MCM 6.2L Bravo (s/n 2A530776 & up) & TowSport 6.2L (s/n 2A530774 & up). NOTE: If installing on 6.2L TowSport V-drive models with the exhaust elbow outlets pointing to the fromt of the engine, this kit can only be used on DTS models only.

#### **CLOSED COOLING KIT**



#### 860427A 5

Front mounted kit.

Fits 1997-1999 MCM V-8 (305 & 350 cid) engines (s/n 0K001501-0L618999). Fits 1997-2001 MIE & Tow Sports V-8 (350 & 377 cid) Gen+ engines (s/n 0K040006-0M299999)

NK040006-0M299999)
Fits 2001-2002 MIE & Tow Sports V-8 (350 cid) carb engines (s/n 0M30000-0M316999). See application chart.

#### 860427A 7

Front mounted kit.

Fits 1999-2001 MCM V-8 (305, 350 & 377 cid) engines (s/n 0L619000-0M299999) Fits 2001-2002 MCM V-8 (305, 350 & 377 cid) Carb engines (s/n 0M300000-0M590000). See application chart.

#### **CLOSED COOLING KIT**

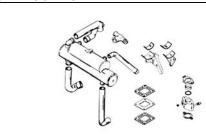


#### 879288A39

Front mounted kit. Full closed system which also protects the dry joint exhaust manifolds from corrosion.

Fits 2008-2016 MCM/MIE V-8 (305, 350 & 377) MPI Emissions Control engines.

#### **CLOSED COOLING KIT**



#### 807639A 3

Front mounted kit

Fits 1996-2001 MCM & MIE V-8 (454 & 502 cid) engines. See application chart.

#### **SERPENTINE BELT & PULLEY KIT**



#### 889432A 1

Fits 2002-2003 MCM V-6 & V-8 (305 & 350 cid) Alpha engines with standard cooling that the power steering pump is being removed (s/n 0M343008-0M99999).

#### **SERPENTINE BELT & PULLEY KIT**



#### 889433A 1

Fits 2002-2003 MCM V-6 & V-8 (305, 350 & 377 cid) Alpha engines with closed cooling and Bravo engines that the power steering pump is being removed (s/n 0M343008-0M999999).

#### **SERPENTINE BELT KIT**



#### 807901T 6

Fits MCM 4.3L Alpha. See application chart for specific engine models.

### SERPENTINE BELT KIT



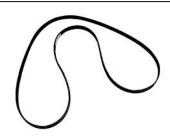
#### 807901A 5

Fits MCM 4.3L Bravo; 5.0L & 5.7L Alpha/Bravo. See application chart for specific engine models.

#### 807901A 3

For dual engine applications where power steering pump is being removed. Fits MCM V-6 & V-8 (305 & 350 cid) Bravo engines with standard cooling. Also fits MCM 4.3L Bravo; 5.0L & 5.7L Alpha/Bravo with closed cooling. See application chart for specific engine models.

#### **SERPENTINE BELT**



#### 57-865615Q03

2704 mm length

Fits 2001-2016 MCM V-6 & V-8 (305 & 350 cid) Alpha engines with closed cooling and Bravo engines with standard cooling (s/n 0M320025 thru 2A455872)

#### 57-865615Q09

1780 mm length

Fits 1999-2001 MCM V-6 & V-8 (305 & 350 cid) Alpha engines with high mounted alternator (s/n 0L619000-0M320024)

#### 57-865615Q08

2535 mm length

Fits 1999-2002 MCM V-6 & V-8 (305, 350 & 377 cid) Bravo engines with high mounted alternator that the power steering pump is being removed (s/n 0L619000-0M343007).

#### 57-865615Q07

2467 mm length

Fits 1998-2001 MCM V-8 (454 & 502 cid) Bravo engines with serpentine belt that the power steering pump is being removed.

#### **SEAWATER PUMP KIT**



#### 46-8M0137212

Fits MCM 4.3L EC Alpha engines. Used in conjunction with closed cooling kit. See closed cooling kit application chart.

#### **SEAWATER PUMP KIT**



#### 98-8M0122666

Fits 2016 & newer MCM 4.5L MPI engines (s/n 2A441953 & up). Used in conjuction with Closed Cooling Kit

#### REAR COVER ASSEMBLY



#### 863674A05

Brass housing with stainless steel wear plate
Fits current small block brass seawater pump w/ air fittings

#### **SEAWATER PUMP KIT**



#### 46-807151A 5

Fits MCM V-8 (305 & 350 cid) Alpha engines. See application chart.

#### **SEAWATER PUMP KIT**



#### 46-807151A25

Fits 1999-2001 MCM V-8 (305 & 350 cid) Alpha engines (s/n 0L619000-0M299999). See application chart.

#### SEAWATER PUMP KIT



#### 46-8M0139983

Fits 2001-2016 MCM V-6 & V-8 (305 & 350 cid) Alpha engines (s/n 0M300000 thru 2A506375). Use only in conjunction with closed cooling kit. See closed cooling application chart.

### **HOSE EXTENDER KIT**



#### 860315A 1

Required if seawater hose is routed across the intake manifold. Fits MCM 4.3L Alpha/Bravo & 5.0L Alpha. See application chart.

#### **FUEL LINE KIT**



#### 32-861070T

Fits MCM 5.7L Alpha/Bravo. See application chart.

#### **HOSE KIT**



#### 98-8M0112578

Supplemental hose kit used in conjuction with main closed cooling kit 8M0112577. Fits 2015-2016 MCM 6.2L Bravo (s/n 2A456613-2A530775)

### **HOSE KIT**



#### 98-8M0123590

Supplemental hose kit used in conjuction with main closed cooling kit 8M0123588. Fits 2016 & newer MCM 6.2L Bravo (s/n 2A530776 & up)

#### **HOSE KIT**



#### 98-8M0112579

Supplemental hose kit used in conjuction with main closed cooling kit 8M0112577. Fits 2015-2016 TowSport 6.2L in-line engines (s/n 2A456613-2A530773)

#### **HOSE KIT**



#### 98-8M0123592

Supplemental hose kit used in conjuction with main closed cooling kit 8M0123588. Fits 2016 & newer TowSport 6.2L in-line engines (s/n 2A530774 & up)

#### **HOSE KIT**



#### 98-8M0112580

Supplemental hose kit used in conjuction with main closed cooling kit 8M0112577. Fits 2015-2016 TowSport 6.2L V-drive engines (s/n 2A456613-2A530773).

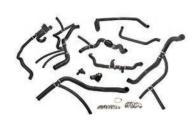
#### **HOSE KIT**



#### 98-8M0123593

Supplemental hose kit used in conjuction with main closed cooling kit 8M0123588. Fits 2016 & newer TowSport 6.2L V-drive engines (s/n 2A530774 & up).

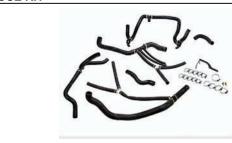
#### **HOSE KIT**



#### 32-879172A16

Supplemental hose kit used in conjuction with main closed cooling kit 879288A39. Fits 2008-2016 MCM & MIE in-line V-8 (305, 350 & 377 cid) MPI Emissions Control engines

#### **HOSE KIT**



#### 32-879172A17

Supplemental hose kit used in conjuction with main closed cooling kit 879288A39. Fits 2008-2016 MIE V-drive V-8 (305, 350 & 377 cid) MPI Emissions Control engines

### **HOSE KIT**



#### 32-865039A02

Supplemental hose kit used in conjuction with main closed cooling kit 879288A39. Fits 2008-2011 MCM Axius V-8 (305, 350 & 377 cid) MPI Emissions Control engines

#### **RISER HOSE KIT**



### 32-865039A 1

Used in conjunction with 4.7 in. (119 mm) & 6 in. (152 mm) exhaust risers & CLOSED COOLING

Fits 2002-2016 MCM V-8 (305, 350 & 377 cid) MPI engines (s/n 0M615000 and up) & MIE V-8 (350 & 377 cid) MPI engines with in-line transmission (s/n 0M390000 and up).

#### **RISER HOSE KIT**



#### 32-865090A01

Fits MCM V-6 MPI engines (s/n 0M600000 thru 2A506375).

#### **RISER HOSE KIT**



#### 32-865998A01

Used in conjunction with 4.7 in. (119 mm)  $\&\,6$  in. (152 mm) exhaust risers  $\&\,$  CLOSED COOLING

Fits 2004-2016 MCM 4.3L MPI engines (s/n 0W310000 thru 2A506375).

#### **RISER HOSE KIT**



### 32-8M0082066

Used in conjunction with 4.7 in. (119 mm) & 6 in. (152 mm) exhaust risers & CLOSED COOLING

Fits 2005-2015 MCM 4.3L TKS engines (s/n 0W310000 thru 2A454127).

#### **HOSE KIT**



#### 32-8M0051174

Supplemental hose kit required for closed cooling engines. Fits 2011-2016 MCM 4.3L MPI EC engines w/ 2 in.(51 mm) risers

#### **HOSE KIT**



#### 32-8M0051175

Supplemental hose kit required for closed cooling engines. Fits 2011-2016 MCM 4.3L MPI EC engines w/ 4 in.(102 mm) risers

#### **HOSE KIT**



#### 32-8M0051176

Supplemental hose kit required for closed cooling engines. Fits 2011-2016 MCM 4.3L MPI EC engines w/ 6 in.(152 mm) risers

#### **BRACKET**



#### 865188T01

Replacement bracket required for specific engine applications when adding closed cooling.

Fits MCM V-8 (305, 350 & 377 cid) MPI engines (s/n 0M600000-0M616622).

### **BLOCK OFF KIT**



#### 8M0095447

Fits MCM 4.5L Alpha engines. Used in conjuction with Closed Cooling Kit p/n  $8\mathrm{M}0119309$ 

### **CLOSED COOLING KIT CHART (DRY JOINT EXHAUST)**

When adding a closed cooling kit to an engine with 6 in. (152 mm) cold exhaust risers, it will be necessary to replace the exhaust risers with 6 in. (152 mm) warm exhaust risers (p/n 864908A 2). The difference between cold & warm exhaust risers can be identified by the location of the riser hose fitting. Cold exhaust risers will have the hose fitting toward the lower part of the exhaust riser close to the exhaust manifold. Warm exhaust risers will have the hose fitting toward the upper part of the exhaust riser close to the exhaust elbow.

#### Closed Cooling Kits (2002 and newer)

Engine Model	Year Range	Serial # Range	Closed Cooling Kit	Seawater Pump Kit	ECM	Hose Kit
MERCRUISER STERNDRIVE MODELS (MCM)						
MCM 3.0L	2002 - 2016	0M087452 - 2A506300	61086A11(2)	N/A	N/A	N/A
MCM 3.0L MPI EC	2008 - 2011	1A072812 - 1A648622	879288A02	N/A	8M0049841(4)	N/A
MCM 3.0L MPI EC	2011 - 2016	1A648623 - 2A502810	879288A02	N/A	78-8M0059346(4)	N/A

Engine Model	Year Range	Serial # Range	Closed Cooling Kit	Seawater Pump Kit	ECM	Hose Kit
MCM 4.3L	2002 - 2005	0M600000 - 0W309999	(1)	N/A	N/A	N/A
MCM 4.3L	2005 - 2015	0W310000 - 2A454127	98-8M0118064	N/A	N/A	32-8M0082066(18)
MCM 4.3L MPI Alpha	2002 - 2006	0M600000 - 0W649999	864920A02(5)(7)(16)	46-8M0139983(6)	865831T07(4)	32- <b>865090A01(11)</b>
MCM 4.3L MPI Alpha	2006 - 2007	0W650000 - 1A063239	864920A02(5)(16)	46-8M0139983(6)	865831T06(4)	32-865090A01(11)
MCM 4.3L MPI Alpha	2007 - 2008	1A063240 - 1A343327	864920A02(5)(16)	46-8M0139983(6)	865831T08(4)	32-865090A01(11)
MCM 4.3L MPI Alpha	2009 - 2016	1A343328 - 2A506375	864920A02(5)(16)	46-8M0139983(6)	8M0064760(4)	32-865090A01(11)
MCM 4.3L 180 MPI Alpha	2015 - 2016	2A457710 - 2A506375	(1)	N/A	N/A	N/A
MCM 4.3L MPI Alpha EC(12)	2011 - 2011	1A634796 - 1A648622	8M0051178(5)(13)	46-8M0137212(6)	8M0054004(4)	(15)
иСМ 4.3L MPI Alpha EC(12)	2011 - 2016	1A648623 - 2A528897	8M0051178(5)(13)	46-8M0137212(6)	78-8M0059348(4)	(15)
иСМ 4.3L 180 MPI Alpha EC(12)	2015 - 2016	2A457710 - 2A528897	(1)	N/A	N/A	N/A
MCM 4.3L MPI Bravo	2002 - 2004	0M600000 - 0W029410	864920A02(5)(9)	N/A	865001T02(4)	32-865090A01(11)
MCM 4.3L MPI Bravo	2004 - 2006	0W029411 - 0W649999	864920A02(5)(9)	N/A	865833T06(4)	32-865090A01(11)
MCM 4.3L MPI Bravo	2006 - 2007	0W650000 - 1A063239	864920A02(5)(9)	N/A	865833T05(4)	32-865090A01(11)
MCM 4.3L MPI Bravo	2007 - 2008	1A063240 - 1A343327	864920A02(5)(9)	N/A	865833T07(4)	32-865090A01(11)
MCM 4.3L MPI Bravo	2009 - 2016	1A343328 - 2A506375	864920A02(5)(9)	N/A	8M0064759(4)	32-865090A01(11)
MCM 4.3L MPI Bravo EC(12)	2011 - 2011	1A637496 - 1A648622	8M0051178(5)	863674A05(17)	8M0054006(4)	(15)
MCM 4.3L MPI Bravo EC(12)	2011 - 2016	1A648623 - 2A528897	8M0051178(5)	863674A05(17)	78-8M0059350(4)	(15)
MCM 4.5L MPI Alpha	2014 - 2016	2A441953 - 2A530777	8M0119309(5)	98-8M0122666(6)(19)	N/A	N/A
MCM 4.5L MPI Alpha	2016 - 2019	2A530778 and up	8M0119309(5)	98-8M0122666(6)(19)	N/A	N/A
MCM 4.5L MPI Bravo	2014 - 2016	2A441953 - 2A530777	8M0119309	N/A	N/A	N/A
MCM 4.5L MPI Bravo	2016 - 2019	2A530778 and up	8M0119309	N/A	N/A	N/A
MCM 5.0L Alpha	2002 - 2009	0M600000 - 1A607561	N.L.A.(5)	46-8M0139983(6)	N/A	32-865039A 1(8)
//CM 5.0L Bravo	2002 - 2009	0M600000 - 1A607561	N.L.A.(5)(9)	N/A	N/A	32-865039A 1(8)
MCM 5.0L MPI Alpha	2002 - 2004	0M600000 - 0W029410	864920A02(5)(7)	46-8M0139983(6)	865835T03(4)	32-865039A 1(8)
ICM 5.0L MPI Alpha	2004	0W029411 - 0W309999	864920A02(5)	46-8M0139983(6)	865835T03(4)	32-865039A 1(8)
MCM 5.0L MPI Alpha	2004 - 2006	0W310000 - 0W649999	864920A02(5)	46-8M0139983(6)	866190T06(4)	32-865039A 1(8)
MCM 5.0L MPI Alpha	2006 - 2008	0W650000 - 1A343327	864920A02(5)	46-8M0139983(6)	866190T07(4)	32-865039A 1(8)
MCM 5.0L MPI Alpha	2009 - 2014	1A343328 - 2A445009	864920A02(5)	46-8M0139983(6)	879194T83(4)	32-865039A 1(8)
MCM 5.0L MPI Alpha EC(12)	2008 - 2011	1A300000 - 1A648622	879288A39(5)	46-8M0139983(6)	8M0071875(4)	32-879172A16
MCM 5.0L MPI Alpha EC(12)	2011 - 2014	1A648623 - 2A444777	879288A39(5)	46-8M0139983(6)	78-8M0059352(4)	32-879172A16
MCM 5.0L MPI Bravo	2002 - 2004	0M600000 - 0W029410	864920A02(5)(7)(9)	N/A	865003T03(4)	32-865039A 1(8)
MCM 5.0L MPI Bravo	2004	0W029411 - 0W309999	864920A02(5)(9)	N/A	865837T02(4)	32-865039A 1(8)
MCM 5.0L MPI Bravo	2004 - 2006	0W310000 - 0W649999	864920A02(5)(9)	N/A	866192T06(4)	32-865039A 1(8)
MCM 5.0L MPI Bravo	2006 - 2008	0W650000 - 1A343327	864920A02(5)(9)	N/A	866192T05(4)	32-865039A 1(8)
MCM 5.0L MPI Bravo	2009 - 2014	1A343328 - 2A445009	864920A02(5)(9)	N/A	879194T85(4)	32-865039A 1(8)
MCM 5.0L MPI Bravo EC(12)	2008 - 2011	1A300000 - 1A648622	879288A39(5)(9)	N/A	8M0071877(4)	32-879172A16
MCM 5.0L MPI Bravo EC(12)	2011 - 2014	1A648623 - 2A444777	879288A39(5)(9)	N/A	78-8M0059354(4)	32-879172A16
MCM 5.0L MPI Bravo DTS	2011 - 2014	0W310000 - 1A343327	864920A02(5)(9)	N/A	866237T04(4)	32-865039A 1(8)
	2004 - 2006					( )
MCM 5.0L MPI Bravo DTS		1A343328 - 2A445009	864920A02(5)(9)	N/A	78-8M0059270(4)	32-865039A 1(8)
MCM 5.0L MPI Bravo Axius DTS	2008	1A300000 - 1A343327	864920A02(5)(9)	N/A	879172T80(4)	32-865039A 1(8)
ACM 5.0L MPI Bravo Axius DTS	2009 - 2010	1A343328 - 1A623184	864920A02(5)(9)	N/A	879194T99(4)	32-865039A 1(8)
MCM 5.0L MPI Bravo DTS EC(12)	2008 - 2011	1A300000 - 1A648622	879288A39(5)(9)	N/A	8M0071884(4)	32-879172A16
MCM 5.0L MPI Bravo DTS EC(12)	2011 - 2014	1A648623 - 2A444777	879288A39(5)(9)	N/A	78-8M0059366(4)	32-879172A16
MCM 5.0L MPI Bravo Axius DTS EC(12)	2008 - 2011	1A300000 - 1A648622	879288A39(5)(9)	N/A	8M0071888(4)	32-879172A16(14)
MCM 5.7L Alpha	2002 - 2009	0M600000 - 1A600136	N.L.A.(5)	46-8M0139983(6)	N/A	32-865039A 1(8)
MCM 5.7L Aipina	2002 - 2009	0M600000 - 1A600136	N.L.A.(5) N.L.A.(5)(9)	N/A	N/A	32-865039A 1(8)
	2002 - 2009	0M600000 - 0W309999				
MCM 350 Mag MPI Alpha			864920A02(5)(7)	46-8M0139983(6)	865839T03(4)	32-865039A 1(8)
ACM 350 Mag MPI Alpha	2004 - 2006	0W310000 - 0W649999	864920A02(5)	46-8M0139983(6)	866123T06(4)	32-865039A 1(8)
MCM 350 Mag MPI Alpha	2006 - 2008	0W650000 - 1A343327	864920A02(5)	46-8M0139983(6)	866123T05(4)	32-865039A 1(8)
MCM 350 Mag MPI Alpha	2009 - 2015	1A343328 - 2A455872	864920A02(5)	46-8M0139983(6)	879194T87(4)	32-865039A 1(8)

Engine Model	Year Range	Serial # Range	Closed Cooling Kit	Seawater Pump Kit	ECM	Hose Kit
MCM 350 Mag MPI Alpha EC(12)	2008 - 2011	1A300000 - 1A648622	879288A39(5)	46-8M0139983(6)	8M0071878(4)	32-879172A16
MCM 350 Mag MPI Alpha EC(12)	2011 - 2015	1A648623 - 2A455878	879288A39(5)	46-8M0139983(6)	78-8M0059356(4)	32-879172A16
MCM 350 Mag MPI Bravo	2002 - 2004	0M600000 - 0W029410	864920A02(5)(7)(9)	N/A	865005T03(4)	32-865039A 1(8)
MCM 350 Mag MPI Bravo	2004	0W029411 - 0W309999	864920A02(5)(9)	N/A	865841T02(4)	32-865039A 1(8)
MCM 350 Mag MPI Bravo	2004 - 2006	0W310000 - 0W649999	864920A02(5)(9)	N/A	866125T06(4)	32-865039A 1(8)
MCM 350 Mag MPI Bravo	2006 - 2008	0W650000 - 1A343327	864920A02(5)(9)	N/A	866125T05(4)	32-865039A 1(8)
ICM 350 Mag MPI Bravo	2009 - 2015	1A343328 - 2A455872	864920A02(5)(9)	N/A	879194T89(4)	32-865039A 1(8)
MCM 350 Mag MPI Bravo DTS	2004 - 2008	0W310000 - 1A343327	864920A02(5)(9)	N/A	866239T04(4)	32-865039A 1(8)
MCM 350 Mag MPI Bravo DTS	2009 - 2015	1A343328 - 2A455872	864920A02(5)(9)	N/A	78-8M0059272(4)	32-865039A 1(8)
MCM 350 Mag MPI Axius Bravo DTS	2008	1A300000 - 1A343327	864920A02(5)(9)	N/A	879288T03(4)	32-865039A 1(8)
MCM 350 Mag MPI Axius Bravo DTS	2009 - 2010	1A343328 - 1A623184	864920A02(5)(9)	N/A	879288T91(4)	32-865039A 1(8)
•	2009 - 2010	1A300000 - 1A648622			* *	32-879172A16
ICM 350 Mag MPI Bravo EC(12)			879288A39(5)(9)	N/A	8M0071880(4)	
ICM 350 Mag MPI Bravo EC(12)	2011 - 2015	1A648623 - 2A455878	879288A39(5)(9)	N/A	78-8M0059358(4)	32-879172A16
ICM 350 Mag MPI Bravo DTS EC(12)	2008 - 2011	1A300000 - 1A648622	879288A39(5)(9)	N/A	8M0071885(4)	32-879172A16
MCM 350 Mag MPI Bravo DTS EC(12)	2011 - 2015	1A648623 - 2A455878	879288A39(5)(9)	N/A	78-8M0059368(4)	32-879172A16
ICM 350 Mag MPI Bravo Axius DTS EC(12)	2008 - 2011	1A300000 - 1A648622	879288A39(5)(9)	N/A	8M0071889(4)	32-879172A16(14)
ICM 377 Mag MPI Bravo	2008	1A300000 - 1A343327	864920A02(5)(9)	N/A	866130T05(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo	2009	1A343328 - 1A345479	864920A02(5)(9)	N/A	879194T39(4)	32-865039A 1(8)
ICM 377 Mag MPI Bravo	2009	1A345480 - 1A345492	864920A02(5)(9)	N/A	879288T93(4)	32-865039A 1(8)
ICM 377 Mag MPI Bravo	2009	1A345493 - 1A345765	864920A02(5)(9)	N/A	879194T39(4)	32-865039A 1(8)
ICM 377 Mag MPI Bravo	2009	1A345766 - 1A345767	864920A02(5)(9)	N/A	879288T93(4)	32-865039A 1(8)
ICM 377 Mag MPI Bravo	2009	1A345768 - 1A346789	864920A02(5)(9)	N/A	879194T39(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo	2009 - 2015	1A346790 - 2A455858	864920A02(5)(9)	N/A	879288T93(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo DTS	2008	1A300000 - 1A343327	864920A02(5)(9)	N/A	866243T05(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo DTS	2009	1A343328 - 1A345479	864920A02(5)(9)	N/A	879194T44(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo DTS	2009	1A345480 - 1A345492	864920A02(5)(9)	N/A	78-8M0059274(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo DTS	2009	1A345493 - 1A345765	864920A02(5)(9)	N/A	879194T44(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo DTS	2009	1A345766 - 1A345767	864920A02(5)(9)	N/A	78-8M0059274(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo DTS	2009	1A345768 - 1A346789	864920A02(5)(9)	N/A	879194T44(4)	32-865039A 1(8)
ICM 377 Mag MPI Bravo DTS	2009 - 2015	1A346790 - 2A455858	864920A02(5)(9)	N/A	78-8M0059274(4)	32-865039A 1(8)
-						
CM 377 Mag MPI Bravo Axius DTS	2008	1A300000 - 1A343327	864920A02(5)(9)	N/A	879194T73(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo Axius DTS	2009	1A343328 - 1A345479	864920A02(5)(9)	N/A	879355T82(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo Axius DTS	2009	1A345480 - 1A345492	864920A02(5)(9)	N/A	879194T17(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo Axius DTS	2009	1A345493 - 1A345765	864920A02(5)(9)	N/A	879355T82(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo Axius DTS	2009	1A345766 - 1A345767	864920A02(5)(9)	N/A	879194T17(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo Axius DTS	2009	1A345768 - 1A346789	864920A02(5)(9)	N/A	879355T82(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo Axius DTS	2009 - 2010	1A346790 - 1A623184	864920A02(5)(9)	N/A	879194T17(4)	32-865039A 1(8)
CM 377 Mag MPI Bravo EC(12)	2008 - 2011	1A300000 - 1A648622	879288A39(5)(9)	N/A	8M0052735(4)	32-879172A16
CM 377 Mag MPI Bravo EC(12)	2011 - 2015	1A648623 - 2A455601	879288A39(5)(9)	N/A	78-8M0059363(4)	32-879172A16
CM 377 Mag MPI Bravo DTS EC(12)	2008 - 2011	1A300000 - 1A648622	879288A39(5)(9)	N/A	8M0052739(4)	32-879172A16
CM 377 Mag MPI Bravo DTS EC(12)	2011 - 2015	1A648623 - 2A455601	879288A39(5)(9)	N/A	78-8M0059257(4)	32-879172A16
CM 377 Mag MPI Bravo Axius DTS EC(12)	2008 - 2011	1A300000 - 1A623184	879288A39(5)(9)	N/A	8M0071890(4)	32-879172A16(14)
ICM 6.2L MPI Mercury	2015 - 2016	2A456613 - 2A530775	98-8M0112577(5)	N/A	N/A	98-8M0112578
CM 6.2L MPI Mercury	2016 - 2019	2A530776 and up	98-8M0123588(5)	N/A	N/A	98-8M0123590
CM MX 6.2 MPI Bravo	2002 - 2004	0M600000 - 0W029410	864920A02(5)(7)(9)	N/A	865008T04(4)	32-865039A 1(8)
CM MX 6.2 MPI Bravo	2004	0W029410 - 0W309999	864920A02(5)(9)	N/A	865846T02(4)	32-865039A 1(8)
CM MX 6.2 MPI Bravo	2004 - 2006	0W310000 - 0W649999	864920A02(5)(9)	N/A	866130T06(4)	32-865039A 1(8)
ICM MX 6.2 MPI Bravo	2006 - 2007	0W650000 - 1A299999	864920A02(5)(9)	N/A	866130T05(4)	32-865039A 1(8)
ICM MX 6.2 MPI Bravo DTS	2004 - 2007	0W310000 - 1A299999	864920A02(5)(9)	N/A	866243T05(4)	32-865039A 1(8)
OW WAY U.Z WII I DIAYU D 13	2004 - 2007	01101000 - IAZ33333	004920702(3)(3)	IN/A	000243103(4)	02-000039A 1(0)
IEDODI IICED INDOADD MODELO (MES)						
IERCRUISER INBOARD MODELS (MIE)						
IIE 350 Mag MPI	2002 - 2004	0M317000 - 0W389999	864920A02(5)	N/A	865006T04(4)	32-865039A 1(10)
IE 350 Mag MPI	2004 - 2006	0W390000 - 0W689999	864920A02(5)	N/A	866127T05(4)	32-865039A 1(10)

Engine Model	Year Range	Serial # Range	Closed Cooling Kit	Seawater Pump Kit	ECM	Hose Kit
MIE 350 Mag MPI	2006 - 2008	0W690000 - 1A089999	864920A02(5)	N/A	866127T04(4)	32-865039A 1(10)
MIE 350 Mag MPI DTS	2004 - 2008	0W390000 - 1A089999	864920A02(5)	N/A	866241T06(4)	32-865039A 1(10)
MIE 5.7L	2002 - 2010	0M317000 - 1A092388	N.L.A.(5)	N/A	N/A	32-865039A 1(10)
MIE 5.7L MPI	2008	1A090000 - 1A091825	864920A02(5)	N/A	866127T04(4)	32-865039A 1(10)
MIE 5.7L MPI	2009 - 2015	1A091826 - 2A455523	864920A02(5)	N/A	879194T91(4)	32-865039A 1(10)
MIE 5.7L MPI w/ In-Line EC(12)	2008 - 2011	1A090000 - 1A092817	879288A39(5)	N/A	8M0071881(4)	32-879172A16
MIE 5.7L MPI w/ In-Line EC(12)	2011 - 2015	1A092818 - 2A455371	879288A39(5)	N/A	78-8M0059360(4)	32-879172A16
MIE 5.7L MPI w/ V-Drive EC(12)	2008 - 2011	1A090000 - 1A092817	879288A39(5)	N/A	8M0071881(4)	32-879172A17
MIE 5.7L MPI w/ V-Drive EC(12)	2011 - 2015	1A092818 - 2A455371	879288A39(5)	N/A	78-8M0059360(4)	32- <b>879172A17</b>
MIE 5.7L MPI DTS	2008	1A090000 - 1A091825	864920A02(5)	N/A	866241T06(4)	32-865039A 1(10)
MIE 5.7L MPI DTS	2009 - 2015	1A091826 - 2A455523	864920A02(5)	N/A	879194T97(4)	32-865039A 1(10)
MIE 5.7L MPI DTS w/ In-Line EC(12)	2008 - 2011	1A090000 - 1A092817	879288A39(5)	N/A	8M0071886(4)	32-879172A16
MIE 5.7L MPI DTS w/ In-Line EC(12)	2011 - 2015	1A092818 - 2A455371	879288A39(5)	N/A	78-8M0059248(4)	32-879172A16
MIE 5.7L MPI DTS w/ V-Drive EC(12)	2008 - 2011	1A090000 - 1A092817	879288A39(5)	N/A	8M0071886(4)	32- <b>879172A17</b>
MIE 5.7L MPI DTS w/ V-Drive EC(12)	2011 - 2015	1A092818 - 2A455371	879288A39(5)	N/A	78-8M0059248(4)	32-879172A17
MIE MX 6.2 MPI	2002 - 2004	0M317000 - 0W389999	864920A02(5)	N/A	865009T04(4)	32-865039A 1(10)
MIE MX 6.2 MPI	2004 - 2006	0W390000 - 0W689999	864920A02(5)	N/A	866132T06(4)	32-865039A 1(10)
MIE MX 6.2 MPI	2006 - 2008	0W690000 - 1A091517	864920A02(5)	N/A	866132T05(4)	32-865039A 1(10)
MIE MX 6.2 MPI	2009	1A091518 - 1A091825	864920A02(5)	N/A	879194T41(4)	32-865039A 1(10)
MIE MX 6.2 MPI	2009 - 2015	1A091826 - 2A452368	864920A02(5)	N/A	879288T95(4)	32-865039A 1(10)
MIE MX 6.2 MPI DTS	2004 - 2008	0W390000 - 1A091517	864920A02(5)	N/A	866245T06(4)	32-865039A 1(10)
MIE MX 6.2 MPI DTS	2009	1A091518 - 1A091825	864920A02(5)	N/A	879355T80(4)	32-865039A 1(10)
MIE MX 6.2 MPI DTS	2009 - 2015	1A091826 - 2A452368	864920A02(5)	N/A	879288T99(4)	32-865039A 1(10)
MIE 6.2 MPI w/ In-Line EC(12)	2008 - 2011	1A090000 - 1A092817	879288A39(5)	N/A	8M0052737(4)	32-879172A16
MIE 6.2 MPI w/ In-Line EC(12)	2011 - 2015	1A092818 - 2A455246	879288A39(5)	N/A	78-8M0059364(4)	32-879172A16
MIE 6.2 MPI w/ V-Drive EC(12)	2008 - 2011	1A090000 - 1A092817	879288A39(5)	N/A	8M0052737(4)	32-879172A17
MIE 6.2 MPI w/ V-Drive EC(12)	2011 - 2015	1A092818 - 2A455246	879288A39(5)	N/A	78-8M0059364(4)	32-879172A17
MIE 6.2 MPI DTS w/ In-Line EC(12)	2008 - 2011	1A090000 - 1A092817	879288A39(5)	N/A	8M0052742(4)	32-879172A16
MIE 6.2 MPI DTS w/ In-Line EC(12)	2011 - 2015	1A092818 - 2A455246	879288A39(5)	N/A	78-8M0059259(4)	32-879172A16
MIE 6.2 MPI DTS w/ V-Drive EC(12)	2008 - 2011	1A090000 - 1A092817	879288A39(5)	N/A	8M0052742(4)	32-879172A17
MIE 6.2 MPI DTS w/ V-Drive EC(12)	2011 - 2015	1A092818 - 2A455246	879288A39(5)	N/A	78-8M0059259(4)	32-879172A17
MERCRUISER TOW SPORTS MODELS (SKI)						
Ski 5.7L Carb	2002 - 2011	0M317000 - 1A092837	(1)	N/A	N/A	N/A
Ski 350 Mag MPI	2002 - 2007	0M317000 - 1A089999	(1)	N/A	N/A	N/A
Ski 6.2L MPI In-Line	2015 - 2016	2A456613 - 2A530773	98-8M0112577(5)	N/A	N/A	98-8M0112579
Ski 6.2L MPI In-Line	2016 - 2019	2A530774 and up	98-8M0123588(5)	N/A	N/A	98-8M0123592
Ski 6.2L MPI V-Drive	2015 - 2016	2A456613 - 2A530773	98-8M0112577(5)(20)	N/A	N/A	98-8M0112580
Ski 6.2L MPI V-Drive	2016 - 2019	2A530774 and up	98-8M0123588(5)	N/A	N/A	98-8M0123593
Ski MX 6.2 MPI	2002 - 2007	0M317000 - 0W689999	(1)	N/A	N/A	N/A
Black Scorpion Ski	2002 - 2015	0M317000 - 2A460164	(1)	N/A	N/A	N/A

### **MERCRUISER**

Engine Model	Year Range	Serial # Range	Closed Cooling Kit	Seawater Pump Kit	ECM	Hose Kit
MX 6.2 Black Scorpion Ski	2002 - 2015	0M317000 - 2A460138	(1)	N/A	N/A	N/A

- (1) No Kit Available
- (2) This closed cooling kit will not fit 3.0L engines with optional side mounts
- (4) The ECM must be replaced when installing a closed cooling kit on this specific engine application. Due to the many updates throughout the year, the ECM listed may not be the appropriate ECM for your engine serial number. Please check the latest Electronic Parts Catalog
- (5) Note the additional required kit(s) listed to complete the installation.
- (6) Thru hull water pickup is not included with seawater pump kits. Obtain locally.
- (7) 865188T01 Front Lift Bracket: Order this replacement bracket if the engine s/n is 0M600000-0M616622 or if a Bravo engine with an air actuated drain system.
- (8) This hose kit required only if engine has 6 in. (152 mm) exhaust risers.
- (9) Bravo drive applications require the installation of an additional thru-hull or transom mounted water pickup along with the drive unit water pickups. Order these components separately.
- (10) This hose kit required only if engine has in-line transmission and 6 in. (152 mm) exhaust risers.
- (11) If engine is equipped with 6 in. risers, also order Hose Kit 32-865998A01
- (12) Emission Controlled engine
- (13) This closed cooling kit will fit Alpha engines with the standard single point drain that incorporates the rod actuated water distribution housing only, and will NOT fit Alpha engines with the special single point drain tee fitting 22-8M2020634 with the blue drain plug which was required in some boats due to the hull design.
- (14) Hose kit 32-865039A02 is also required for Axius EC engines
- (15) If engine is equipped with risers, 1 of the following hose kits is also required to be ordered separately. Order 32-8M0051174 for engines with 2 in. risers. Order 32-8M0051175 for engines with 4 in. risers. Order 32-8M0051176 for engines with 6 in. risers.
- (16) If this kit is being mounted on a 4.3L Alpha engine, also order serpentine belt 57-865615Q03
- (17) This air actuated seawater pump rear cover is required to be ordered separately for Bravo applications.
- (18) This hose kit only required if engine is equipped with 4.7 in. (119 mm) or 6 in. (152 mm) risers
- (19) Alpha models also required a Water Block Off Kit p/n 8M0095447 to be ordered separately
- (20) This kit will only fit 6.2L V-Drive Towsport models with DTS. Will not fit V-Drive models with mechanical throttle.

### **CLOSED COOLING KIT CHART - MCM (PRE-DRY JOINT EXH)**

#### MCM Closed Cooling Kits (2002 and older)

Model	Model Notes	Heat Exchanger Location	Year Range	Serial # Range	Closed Cooling Kit	Belt Kit	Seawater Pump Kit
MCM 4 cyl. (153 cid)		Side	1983 - 1989	6229718 - 0C853255	61086A11	N/A	N/A
MCM 4 cyl. (181cid)	Carb engines	Side	1983 - 2019	6229718 and up	61086A11(19)	N/A	N/A
MCM V-6 (229 cid)		Front	1983 - 1984	6330183 - 6919655	N.L.A.	N/A	N.L.A.(2)
MCM V-6 (262 cid) Alpha	Stamped steel crankshaft pulley	Front	1985 - 1990	0A331455 - 0D445799	N.L.A.(6)	N/A	N.L.A.(2)
MCM V-6 (262 cid) Alpha	Cast crankshaft pulley	Front	1985 - 1990	0A331455 - 0D445799	N.L.A.(6)	N/A	N.L.A.(2)
MCM V-6 (262 cid) Alpha	V-belt	Front	1991 - 1996	0D445800 - 0F802999	N.L.A.(6)	N/A	N.L.A.(2)(3)
MCM V-6 (262 cid) Alpha	Serpentine belt	Front	1996 - 1999	0F803000 - 0L619083	860427A 4(1)(6)(11)	807901T 6(4)(5)	N/A
MCM V-6 (262 cid) Alpha		Front	1999 - 2001	0L619084 - 0M299999	N.L.A.	(21)	N/A
MCM V-6 (262 cid) Alpha	Carb engines	Front	2002	0M300000 - 0M343007	N.L.A.	(21)	N/A
MCM V-6 (262 cid) Alpha	Carb engines	Front	2002	0M343008 - 0M599999	N.L.A.	(22)	N/A
MCM V-6 (262 cid) Alpha	MPI engines	Front	2002	0M300000 - 0M343007	N.L.A.	(21)	46-8M0139983(2)
MCM V-6 (262 cid) Alpha	MPI engines	Front	2002	0M343008 - 0M599999	N.L.A.	(22)	46-8M0139983(2)
MCM V-6 (262 cid) Bravo	Serpentine belt	Front	1996 - 1999	0F803000 - 0L619083	860427A 4(1)(6)(11)	807901A 5(5)(7)	N/A
MCM V-6 (262 cid) Bravo		Front	1999 - 2001	0L619084 - 0M299999	N.L.A.	(20)	N/A
MCM V-6 (262 cid) Bravo	Carb engines	Front	2002	0M300000 - 0M343007	N.L.A.	(20)	N/A
MCM V-6 (262 cid) Bravo	Carb engines	Front	2002	0M343008 - 0M599999	N.L.A.	(23)	N/A
MCM V-6 (262 cid) Bravo	MPI engines	Front	2002	0M300000 - 0M343007	N.L.A.	(20)	N/A
MCM V-6 (262 cid) Bravo	MPI engines	Front	2002	0M343008 - 0M599999	N.L.A.	(23)	N/A
MCM V-8 (305 & 350 cid)		Front	1983 - 1986	6218462 - 0B525981	N.L.A.(6)	N/A	N.L.A.(2)
MCM V-8 (305 & 350 cid) Alpha	Stamped steel crankshaft pulley	Front	1987 - 1990	0B525982 - 0D445799	N.L.A.(6)	N/A	N.L.A.(2)
MCM V-8 (305 & 350 cid) Alpha	Cast crankshaft pulley	Front	1987 - 1990	0B525982 - 0D445799	N.L.A.(6)	N/A	N.L.A.(2)
MCM V-8 (305 & 350 cid) Alpha	V-belt	Front	1991 - 1996	0D445800 - 0F999999	N.L.A.(6)(12)	N/A	N.L.A.(2)

Model	Model Notes	Heat Exchanger Location	Year Range	Serial # Range	Closed Cooling Kit	Belt Kit	Seawater Pump Kit
MCM V-8 (305 & 350 cid) Alpha	Serpentine belt	Front	1997	0K001506 - 0K999999	860427A 4(6)(13)	807901A 5(5)(7)	46-807151A 5(2)
MCM V-8 (305 & 350 cid Gen+) Alpha	Serpentine belt	Front	1997 - 1999	0K001506 - 0K999999	860427A 5(6)	807901A 5(5)(7)	46-807151A 5(2)
MCM V-8 (305 & 350 cid Gen+) Alpha		Front	1998 - 1999	0L010035 - 0L618999	860427A 5(6)(11)	807901A 5(5)(7)	46-807151A 5(2)
MCM V-8 (305 & 350 cid Gen+) Alpha		Front	1999 - 2001	0L619000 - 0M299999	860427A 7(6)	(20)	46-807151A25(2)
MCM V-8 (305 & 350 cid Gen+) Alpha	Carb engines	Front	2002	0M300000 - 0M343007	860427A 7(6)	(20)	46-8M0139983(2)
MCM V-8 (305 & 350 cid Gen+) Alpha	Carb engines	Front	2002	0M343008 - 0M599999	860427A 7(6)	(23)	46-8M0139983(2)
MCM V-8 (305 & 350 cid Gen+) Alpha	MPI engines	Front	2002	0M300000 - 0M343007	N.L.A.	(20)	46-8M0139983(2)
MCM V-8 (305 & 350 cid Gen+) Alpha	MPI engines	Front	2002	0M343008 - 0M599999	N.L.A.	(23)	46-8M0139983(2)
MCM V-8 (305 & 350 cid) Bravo	V-belt	Front	1989 - 1996	0C407810 - 0F999999	N.L.A.(12)(14)	N/A	N/A
MCM V-8 (305 & 350 cid) Bravo	Serpentine belt	Front	1997	0K001506 - 0K999999	860427A 4(6)(13)	807901A 5(5)(7)	N/A
MCM V-8 (305 & 350 cid Gen+) Bravo		Front	1997 - 1999	0K001501 - 0L618999	860427A 5(6)	807901A 5(5)(7)	N/A
MCM V-8 (305, 350 & 377 cid Gen+) Bravo		Front	1999 - 2001	0L619000 - 0M299999	860427A 7	(20)	N/A
MCM V-8 (305, 350 & 377 cid Gen+) Bravo	Carb engines	Front	2002	0M300000 - 0M343007	860427A 7	(20)	N/A
MCM V-8 (305, 350 & 377 cid Gen+) Bravo	Carb engines	Front	2002	0M343008 - 0M599999	860427A 7	(23)	N/A
MCM V-8 (305, 350 & 377 cid Gen+) Bravo	MPI engines	Front	2002	0M300000 - 0M343007	N.L.A.	(20)	N/A
MCM V-8 (305, 350 & 377 cid Gen+) Bravo	MPI engines	Front	2002	0M343008 - 0M599999	N.L.A.	(23)	N/A
MCM V-8 (454 cid) TR/TRS	CEO exhaust manifolds	Rear	1982 - 1987	6083145 - 0B816540	N.L.A.(17)	N/A	N/A
MCM V-8 (454 cid) Alpha		Front	1986 - 1988	0A631894 and up	N/A	N/A	
MCM V-8 (454 cid) Bravo	Carb engines	Front	1988 - 1996	0B721206 - 0F800699	N.L.A.(15)	N/A	N/A
MCM V-8 (454 cid) Bravo	EFI engines	Front	1994 - 1996	0F115700 - 0F602009	N/A	N/A	
MCM V-8 (454 cid) Bravo	EFI engines & front mounted, vertical oil cooler	Front	1996 - 1997	0F602010 - 0K999999	807639A 3(16)	N/A	N/A
MCM V-8 (454 cid Gen VI) Bravo	Carb engines	Front	1996 - 1997	0F800700 - 0K999999	807639A 3	N/A	N/A
MCM V-8 (454 cid) Bravo	EFI engines & serpentine belt	Front	1998 - 2001	0L010003 - 0M024999	807639A 3	N/A	
MCM V-8 (502 cid) Bravo	Carb engines	Front	1990 - 1993	0C878221 - 0F114528	N.L.A.(15)	N/A	N/A
MCM V-8 (502 cid) Bravo	EFI engines	Front	1993 - 1996	0D840650 - 0F802599	N/A	N/A	
MCM V-8 (502 cid) Bravo	EFI engines & front mounted, vertical oil cooler	Front	1996 - 1997	0F802600 - 0K999999	807639A 3	N/A	N/A
MCM V-8 (502 cid) Bravo	EFI engines & serpentine belt	Front	1998 - 2001	0L017000 - 0M024999	807639A 3	N/A	

- (1) This kit will fit all engines except the 1996 262 Mag EFI engines (S/N 0F803800 0F999999) with VST fuel system which does not have a kit available for it.
- (2) Thru hull water pickup is not included with seawater pump kits
- (3) If the seawater temperature that this boat will be operating in does not exceed 80 deg. F {26 deg. C}, a Seawater Pump Kit does not have to be installed. If the seawater temperature exceeds 80 deg. F {26 deg. C}, then a Pump kit is required.
- (4) 807901A 4 Belt Kit: Order this belt kit instead of the one listed if the engine is in a dual engine boat and you are going to remove the power steering pump and hoses from this engine.
- (5) 861578 P/S Pulley: Order this metal 5-3/4 in. (146 mm) P/S pulley if the engine has a plastic 4-3/4 in. (121 mm) O.D. power steering pulley. Reference MerCruiser Parts Bulletin 98-1
- (6) Note the additional required kit(s) listed to complete the installation.
- (7) 807901A 3 Belt Kit: Order this belt kit instead of the one listed if the engine is in a dual engine boat and you are going to remove the power steering pump and hoses from this engine.
- (10) 57-861050 Belt Kit: Order this belt kit if the engine is in a dual engine boat and you are going to remove the power steering pump and hoses from this engine.
- (11) 860315A 2 Extender and Hose Kit: Also order this kit if installing on a V-6 or V-8 (305 CID) with a carburetor
- $(12) \ Kit \ will \ not \ fit \ 1995-1996 \ (350 \ CID) \ EFI \ engines \ (S/N \ 0F225560 0F999999) \ with \ VST \ fuel \ system. \ No \ kit \ available.$
- $(13)\ 32\text{-}861070T\ \text{Fuel Line: Order this fuel line if the engine is below S/N 0K154018}\ \text{and has a 2 bbl carburetor}$
- $(14)\ 85152A\ 2\ Oil\ Cooler:\ This\ kit\ is\ required\ if\ boat\ will\ be\ operated\ in\ seawater\ above\ 90\ Deg.\ F\ \{32\ Deg.\ C\}$
- (15) 17833A 7 Installation Kit: This kit is required when 3 in. (76 mm) or 6 in. (152 mm) risers are installed.
- (16) 32- 62987A 3 Hose Kit: Order this kit if engine is a 7.4LX TBI and is equipped with 5/8 in. (16 mm) I.D. hose and fittings from the back of the intake manifold to the engine water circulating pump
- (17) 44443A 3 Installation Kit: This kit is also required
- (18) No kit available
- (19) Closed cooling kit will not fit 3.0L engines with side mounts
- (20) 57-863876 8 Belt Kit: Order this belt kit if the engine is in a dual engine boat and you are going to remove the power steering pump and hoses from this engine.
- (21) 57-863876 9 Belt Kit: Order this belt kit if the engine is in a dual engine boat and you are going to remove the power steering pump and hoses from this engine.
- (22) 889432A 1 Belt Kit: Order this belt kit if the engine is in a dual engine boat and you are going to remove the power steering pump and hoses from this engine.
- (23) 889433A 1 Belt Kit: Order this belt kit if the engine is in a dual engine boat and you are going to remove the power steering pump and hoses from this engine.

# CLOSED COOLING KIT CHART - MIE (PRE-DRY JOINT EXH)

### MIE Closed Cooling Kits (2002 and older)

Model	Model Notes	Year Range	Serial # Range	Closed Cooling Kit	Installations Kit
	FRONT MOUNTED COOLING KITS				
MIE V-8 (305 & 350 cid)	In-line transmission & CEO exh manifolds	1981 - 1993	5907058 - 0F024999	N.L.A.	N/A
MIE V-8 (305 & 350 cid)	V-drive transmission & CEO exh manifolds	1981 - 1993	5907058 - 0F024999	(3)	N/A
MIE V-8 (350 cid)	All transmissions	1994 - 1996	0F025000 - 0K040306	N.L.A.	N/A
MIE V-8 (350 cid)	Carb engine & serpentine belt	1997	0K040307 - 0K999999		
MIE V-8 (350 & 377 cid Gen+)		1997 - 2001	0K040300 - 0M299999	860427A 5	N/A
MIE V-8 (350 cid Gen+)	Carb engines	2002	0M300000 - 0M316999	860427A 5	N/A
MIE V-8 (350 & 377 cid Gen+)	MPI engines	2002	0M300000 - 0M316999	N.L.A.	N/A
MIE V-8 (454 cid)	Carb engines & B/W 72 series in-line or V-drive	1992 - 1997	0D715494 - 0K999999	N/A	
MIE V-8 (454 cid)	Carb engines & Hurth or B/W 5000 transmission	1992 - 1997	0D715494 - 0K999999	N.L.A.	N.L.A.(1)
MIE V-8 (454 cid Gen V)	EFI engines	1995 - 1996	0F563052 - 0F820103	N/A	
MIE V-8 (454 cid Gen VI)	EFI engines	1996 - 2001	0F820104 - 0L674613	807639A 3	N.L.A.(2)
MIE V-8 (502 cid)	Hurth transmission & cast iron exh manifolds	1990 - 1992	0C878221 - 0D857199	N.L.A.	N.L.A.(1)
MIE V-8 (502 cid)	Hurth transmission & stainless steel exh manifolds	1990 - 1992	0C878221 - 0D857199	N.L.A.	N.L.A.(1)
MIE V-8 (502 cid)	Carb engines & B/W 72 series in-line or V-drive	1993 - 1996	0D857200 - 0F819619	N/A	
MIE V-8 (502 cid)	Carb engines & Hurth or B/W 5000 transmission	1993 - 1996	0D857200 - 0F819619	N.L.A.	N.L.A.(1)
MIE V-8 (502 cid Gen VI)	EFI engines	1996 - 2001	0F819620 - 0L674200	807639A 3	N/A
	REAR MOUNTED COOLING KITS				
MIE V-8 (305 & 350 cid)	B/W in-line transmission & CEO exh manifolds	1981 - 1997	5907058 - 0K999999	N.L.A.	N.L.A.
MIE V-8 (305 & 350 cid)	Hurth or V-drive transmission & CEO exh manifolds	1981 - 1997	5907058 - 0K999999	N.L.A.	N.L.A.
MIE V-8 (350 & 377 cid Gen+)		1997 - 2001	0K040300 - 0M299999	N/A	
MIE V-8 (350 cid Gen+)	Carb engines	2002	0M300000 - 0M316999	N/A	
MIE V-8 (350 & 377 cid Gen+)	MPI engines	2002	0M300000 - 0M316999	N/A	
MIE V-8 (454 cid)	Carb engines & B/W 72 in-line series transmission	1981 - 1997	5889914 - 0K999999	N.L.A.	N.L.A.
MIE V-8 (454 cid)	Carb engines & B/W or Hurth V-drive trans.	1981 - 1997	5889914 - 0K999999	N.L.A.	N.L.A.
MIE V-8 (454 cid)	Carb engines & Hurth down-angle or B/W 5000	1989 - 1997	0C391564 - 0K999999	N.L.A.	N.L.A.
MIE V-8 (454 cid)	EFI engines & all transmissions	1995 - 1996	0F563052 - 0F820141	N/A	
MIE V-8 (454 cid)	EFI engines & all transmissions	1996 - 2001	0F820142 - 0L674613	N/A	
MIE V-8 (502 cid)	EFI engines & all transmissions	1990 - 2001	0C878221 - 0L674200	N/A	

<sup>(1)</sup> This installation kit is required when 3 in. (76 mm) or 6 in. (152) risers are installed.

<sup>(2)</sup> Order this hose kit if engine is equipped with 5/8 in. (16 mm) I.D. hose and fittings from the back of the intake manifold to the engine water circulating pump

<sup>(3)</sup> Use ONLY rear mounted closed cooling kit

<sup>(4)</sup> Use ONLY front mounted closed cooling kit

<sup>(5)</sup> No kit available

# CLOSED COOLING KIT CHART - SKI (PRE-DRY JOINT EXH)

### SKI Closed Cooling Kits (2002 and older)

Model	Model Notes	Year Range	Serial # Range	Closed Cooling Kit	Installation Kit
	FRONT MOUNTED COOLING KITS				
Black Scorpion Ski		1996 - 2002	0F800000 - 0M316999	N/A	
MX 6.2 MPI Black Scorpion Ski		2001 - 2002	0L680003 - 0M316999	N/A	
Ski V-8 (350 cid)	EFI engines	1994 - 1996	0F215561 - 0K040005	(1)	N/A
Ski V-8 (350 cid)	2 bbl. carb and v-belt	1994 - 1996	0F160285 - 0K040003	N.L.A.	N/A
Ski V-8 (350 cid)	4 bbl. carb and v-belt	1994 - 1996	0F160100 - 0K040399	N.L.A.	N/A
Ski V-8 (350 cid)	2 bbl. carb & serpentine belt	1997	0K040004 - 0K999999	N/A	
Ski V-8 (350 cid)	4 bbl. carb & serpentine belt	1997	0K040400 - 0K999999	860427A 4	N/A
Ski V-8 (350 cid Gen+)		1997 - 2001	0K040006 - 0M299999	860427A 5	N/A
Ski V-8 (350 cid Gen+)	Carb engines	2002	0M300000 - 0M316999	860427A 5	N/A
Ski V-8 (350 cid Gen+)	MPI engines	2002	0M300000 - 0M316999	N.L.A.	
Ski V-8 (454 cid)		1995 - 1996	0F215800 - 0F820099	(1)	N/A
	REAR MOUNTED COOLING KITS				
Black Scorpion Ski		1996 - 2002	0F800000 - 0M316999	(1)	N/A
MX 6.2 MPI Black Scorpion Ski		2001 - 2002	0L680003 - 0M316999	(1)	N/A
Ski V-8 (350 cid)	EFI engines	1994 - 1996	0F215561 - 0K040005	(1)	N/A
Ski V-8 (350 cid)	Carb engines & in-line transmission	1994 - 1997	0F160100 - 0K999999	N.L.A.	N.L.A.
Ski V-8 (350 cid)	Carb engines & V-drive transmission	1994 - 1997	0F160100 - 0K999999	N.L.A.	N.L.A.
Ski V-8 (350 cid Gen+)		1997 - 2001	0K040006 - 0M299999	N/A	
Ski V-8 (350 cid Gen+)	Carb engines	2002	0M300000 - 0M316999	N/A	
Ski V-8 (350 cid Gen+)	MPI engines w/ ECM 555	2002	0M300000 - 0M316999		
				N/A	
Ski V-8 (454 cid)		1995 - 1996	0F215800 - 0F820099	N/A	

<sup>(1)</sup> No kit available

### **SEAWATER HOSE DRAIN KIT**

This kit will allow draining of the seawater pump without having to remove the seawater hose. Kit is inserted into the existing seawater hose.

### **SEAWATER HOSE DRAIN KIT**



### 861505A 1

Fits MCM/MIE engines equipped with a seawater pump.

### **ENGINE CIRCULATING PUMP DRAIN KIT**

This kit will allow draining of the engine circulating water pump without having to remove the hose. Kit contains new circulating pump hose with drain fitting.

### **CIRCULATING PUMP HOSE**



32-861590A05

Fits MCM/MIE GM V-6 and V-8 (305, 350 & 377 cid) engines

<sup>(2)</sup> Use ONLY rear mounted closed cooling kit

<sup>(3)</sup> Use ONLY front mounted closed cooling kit

### **ENGINE FLUSH CONNECTOR KIT**

For use with the engine circulating water pump drain kit (32-861590A2). Kit contains a quick disconnect fitting to attach to garden hose. Kit is designed to flush raw water cooled MIE & Ski engines without running the engine.

#### **ENGINE FLUSH CONNECTOR KIT**



#### 22-861932A 1

Fits MIE & Tow Sports engines with drainable circulating pump hose.

### **ENGINE FLUSH KIT**

#### **ENGINE FLUSH KIT**



#### 898235A01

This kit will allow you to flush the engine while it is running, therefore offering a more complete flush of the raw water cooled components.

Fits 1988 & newer MCM 4.3L, 5.0L, 5.7L & 6.2L non-EC engines with BRAVO drives & MIE's. Also fits 1988-2001 MCM 7.4L & 8.2L non-EC engines with BRAVO drives & MIE's.

NOTE: Mounting bracket in kit will need to be REMOTE MOUNTED on V-6 engines with 1 pc exhaust manifolds or engines with stainless steel exhaust elbows.

#### **ENGINE FLUSH KIT**



#### 98-8M0123083

This kit will allow you to flush the engine while it is running, therefore offering a more complete flush of the raw water cooled components.

Fits 2011 & newer MCM V6 4.3L MPI EC, Mercury 4.5L & 6.2L engines with BRAVO drives. Also fits Mercury 6.2 Towsports engines.

#### **ENGINE FLUSH KIT**



#### 879288A40

This kit will allow you to flush the engine while it is running, therefore offering a more complete flush of the raw water cooled components.

Fits 2008 & newer MCM 5.0L, 5.7L & 6.2L Emissions Control engines with BRAVO drives & MIE's.

### **ENGINE FLUSH KIT**



#### 898235A02

This kit will allow you to flush the engine while it is running, therefore offering a more complete flush of the raw water cooled components.

Fits 2001 & newer MCM/MIE 8.1L & 8.2L non-EC engines.

#### **ENGINE FLUSH KIT**



#### 8M0057577

This kit will allow you to flush the engine while it is running, therefore offering a more complete flush of the raw water cooled components.

Fits 2008 and newer MCM/MIE 8.1L & 8.2L Emissions Control engines.

#### **ENGINE FLUSH KIT**



#### 98-8M0117940

This kit will allow you to flush the engine while it is running, therefore offering a more complete flush of the raw water cooled components. Designed for engines with a 1.25 in (32 mm) I.D. inlet water hose

Fits MCM/MIE 135 & 150 (6.7L) diesel engines with BRAVO drives. NOTE: Mounting bracket in kit will need to be REMOTE MOUNTED.

#### **ENGINE FLUSH KIT**



#### 98-8M0117939

This kit will allow you to flush the engine while it is running, therefore offering a more complete flush of the raw water cooled components. Designed for engines with a 1.50 in (38 mm) I.D. inlet water hose

Fits MCM QSD 2.0L, 2.8L & 4.2L diesel engines with BRAVO drives & MIE's. NOTE: Mounting bracket in kit will need to be REMOTE MOUNTED.

#### 98-8M0117938

This kit will allow you to flush the engine while it is running, therefore offering a more complete flush of the raw water cooled components. Designed for engines with a 1.75 in (44 mm) I.D. inlet water hose

Fits MCM/MIE V-6 & V-8 TDI diesel engines. Also fits MCM/MIE 180, 200, 230, 260 & 280 (6.7L) diesel engines.

NOTE: Mounting bracket in kit will need to be REMOTE MOUNTED.

#### **ENGINE FLUSH KIT**



#### 98-8M0117941

This kit will allow you to flush the engine while it is running, therefore offering a more complete flush of the raw water cooled components. Designed for engines with a 2.00 in (51 mm) I.D. inlet water hose

Fits MIE 480, 500 & 550 (6.7L) Tier 3 diesel engines. NOTE: Mounting bracket in kit will need to be REMOTE MOUNTED.

### **FLUSHING ATTACHMENTS**

### **FLUSHING ATTACHMENT**



#### 44357Q 2

Will allow for running at idle speeds. Attaches to the water intakes; provides a fresh water connection when flushing the cooling system or operating the engine.

Fits Mercury/Mariner 20 hp. and higher outboards, 9.9/15 hp. FourStroke (323cc) Bigfoot outboards, all Model Year 2005 and Newer 8/9.9 hp. Four Stroke outboards, 15 hp. FourStroke (351cc) outboards, all MerCruiser Sterndrives (except Bravo One Perf. & Blackhawk) and MHP Torque Master gearcases. Note: 2000 and newer V-6 outboards and MerCruiser Bravo drives with dual water pick-up also require Dual Water Pick-Up Flush Seal Kit p/n 881150Q 1.

Priced individually, sold @ multiples of 4

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **DUAL WATER PICKUP FLUSH SEAL KIT**



#### 881150Q 1

Provides a front water pick-up seal for gearcases with dual water pick-ups Fits 2000 and newer Mercury/Mariner V-6 outboards with dual water pick-ups; and 2000 and newer MerCruiser Bravo One, X, XR & XZ drives with dual water

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### FLUSHING KIT



Use for flushing gearcases with low water inlets/pick up. Fits MCM Bravo I Performance & BlackHawk drives

### **DRIVESHAFT EXTENSION (JACKSHAFT) KITS**

Converts standard sterndrive package to a driveshaft configuration for conventional center console and triple engine high performance applications.

### JACKSHAFT MAIN KIT



For use with DHB power steering system. Also order driveshaft kit separately to

complete the installation.

Note: V-6 & V-8 (305, 350 & 377 cid) engines (s/n 0W650000 thru 2A528847) & 496 Mag engines (s/n 0W310000 thru 1A352731) also require harness 84-866785T01. If DTS, additional harness 84-866784T01 is also required. Fits 1994 and newer MCM V-6 & V-8 gasoline models with DHB p/s cylinder (except MCM 4.5L & 6.2L - Mercury engines)

### **JACKSHAFT MAIN KIT**



#### 8M0089506

Order driveshaft kit separately to complete the installation.

Note: If DTS, additional harness 84-866784T01 is also required.

Fits 2014-2016 Mercury 4.5L & 2015 6.2L engines (s/n 2A530777 & below)

#### JACKSHAFT MAIN KIT

Image not Available.

#### 98-8M0124634

Order driveshaft kit separately to complete the installation. Note: If DTS, additional harness 84-866784T01 is also required. Fits 2016 and newer Mercury 4.5L & 6.2L engines (s/n 2A530778 and up)

#### JACKSHAFT MAIN KIT



#### 8M0101387

Primary application is triple engines. (Shaft not included) Fits MCM 2.0L diesel

#### **JACKSHAFT MAIN KIT**



### 806843A 2

Primary application is triple engines. (Shaft not included) Fits 2.8 ES & EI (s/n 88010499 & below) and 4.2 ES & EI diesels.

#### **JACKSHAFT MAIN KIT**



#### 806843A06

Primary application is triple engines. (Shaft not included)
For the 2.8L installation, 2 pcs of 855454 (mount) and 4 pcs of 12-809931094
(washer) are required. For the 4.2L installation, 2 pcs of 896332029 (mount) and 4 pcs of 12-809931094 (washer) are required.

## Fits MCM QSD 2.8L & 4.2L.



#### 98-8M0120321

Primary application is triple engines. (Shaft not included) Fits MCM 3.0L V6 TDI diesel

#### **JACKSHAFT MAIN KIT**



#### 8M0085664

Primary application is triple engines. (Shaft not included) Fits MCM 4.2L V8 TDI diesel

#### **DRIVESHAFT KIT**



#### 862772A28

28 in.(711 mm) driveshaft with slip yoke. Standard shaft for use with 4.3L MPI engine. Also fits 1.7 MS 120 diesels.

### **DRIVESHAFT KIT**



45-94819T 5

34-1/2 in.(876 mm) driveshaft. Primary application is for use with the 2.8L, 4.2L & 7.3L diesel main kits, also triple engines applications.

### DRIVESHAFT KIT



45-86978A 3

39.64 in.(1 m) optional driveshaft.

#### **DRIVESHAFT KIT**



### 45-864286A 1

63 in. (1.6 m) driveshaft. (Optional shaft for use with 2.8L, 4.2L  $\&\,7.3L$  diesel main kits.)

### **EXHAUST TUBE**



#### 864957

For use on 1.7 MS 120 diesel engines with 31 in.(787 mm) or shorter driveshaft.

### **EXHAUST FLANGE KIT**



862268A 4

Included with 98634A20 driveshaft Extension Kit Fits MCM V-6 & V-8 gasoline models with DHB p/s cylinder.

### DRIVESHAFT EXTENSION (JACKSHAFT) KIT CHART

### **MCM Driveshaft Extension Kits**

Model	Model Notes	Year Range	Serial # Range	Main Kit	Drive Shaft (Standard)	Drive Shaft (Optional)
MCM V-6 & V-8	For engines w/ Saginaw p/s system	1991 - 1993	0D445877 - 0F114599	N.L.A.	N/A	45- 94819T 5(2)
MCM V-6 & V-8	For DHB p/s system (except 4.3L MPI & 496 Mag)	1994 - 2006	0F114600 - 0W649999	98634A20	N/A	45- 94819T 5(2)
MCM V-6 & V-8	For DHB p/s system (except 4.3L MPI & 496 Mag)	2006 - 2014	0W650000 and up	98634A20(7)(8)(9)	N/A	45- 94819T 5(2)
MCM 4.3L MPI		2002 - 2006	0M300000 - 0W649999	98634A20	862772A28	45- 94819T 5(2)
MCM 4.3L MPI		2006 - 2016	0W650000 - 2A528897	98634A20(7)(8)	862772A28	45- 94819T 5(2)
MCM 4.5L		2014 - 2016	2A441953 - 2A530777	8M0089506	N/A	45- 94819T 5(2)
MCM 4.5L		2016 - 2019	2A530778 and up	98-8M0124634	N/A	45- 94819T 5(2)
MCM 6.2L		2015 - 2016	2A456613 - 2A530777	8M0089506	N/A	45- 94819T 5(2)
MCM 6.2L		2016 - 2019	2A530778 and up	98-8M0124634	N/A	45- 94819T 5(2)
MCM 496 Mag		2001 - 2005	0M025000 - 0W309999	98634A20	N/A	45- 94819T 5(2)
MCM 496 Mag		2005 - 2010	0W310000 - 1A352731	98634A20(7)(8)	N/A	45- 94819T 5(2)

### **MERCRUISER**

Model	Model Notes	Year Range	Serial # Range	Main Kit	Drive Shaft (Standard)	Drive Shaft (Optional)
MCM 8.2L Mag		2010 - 2019	1A350340 and up	98634A20(7)(8)	N/A	45- 94819T 5(2)
MCM D1.7L DTI		2001 - 2009	0M055000 and up	N.L.A.	N.L.A.	862772A28
MCM D2.8L ES & EI		1997 - 2005	0K144109 - 88010499	806843A 2	45- 94819T 5	45- <b>864286A</b> 1
QSD 2.8L		2007 - 2019	88300000 and up	806843A06	45- 94819T 5	45- <b>864286A</b> 1
3.0L V6 TDI		2013 - 2019	All - All	98-8M0120321	45- 94819T 5	N/A
4.2L V8 TDI		2013 - 2019	All - All	8M0085664	45- 94819T 5	N/A
MCM D4.2L		1994 - 1997	0D554732 - 0L668673	806843A 2	45- 94819T 5	45- <b>864286A</b> 1
MCM D4.2L ES & EI		1997 - 2019	0K144114 and up	806843A 2	45- 94819T 5	45- <b>864286A</b> 1
QSD 4.2L		2007 - 2019	88400000 and up	806843A06	45- 94819T 5	45-864286A 1
MCM D7.3L		1994 - 1996	0F060000 and up	N.L.A.	45- 94819T 5	45-864286A 1
MCM D7.3L D-Tronic		1997 - 2001	0K095775 and up	N.L.A.	45- 94819T 5	45-864286A 1

- (1) Exhaust tube only
- $(2) For triple engine applications, this shorter drives haft [34-1/2 in. (876 mm)] \ may be required.$
- (3) Exhaust extension kit is for use on engines 300 HP and below.
- (5) No kit available
- (6) Exhaust flange kit
- (7) Order transom harness 84-866785T01separately to complete an MPI engine installation.
- (8) Order this additional harness 84-866784T01 if engine has DTS
- $(9) \ {\it Order transom harness} \ {\it 84-899719T05} \ separately \ to \ complete \ a \ carburated \ engine \ installation.$

### TAILSTOCK KITS

#### TAILSTOCK KITS



#### 8M0106961

For jet drive applications Fits QSD 2.0L, 2.8L & 4.2L diesels

### TAILSTOCK KITS



For jet drive applications
Fits MCM 3.0L V6 TDI diesels

#### TAILSTOCK KITS



#### 8M0098562

For jet drive applications Fits 4.2L V8 TDI diesels

### TAILSTOCK KITS



### 98-8M0106963

For jet drive applications Fits Mercury 6.2L and 8.2L engines

### REMOTE OIL FILTER KITS

Relocates the oil filter from lower block mount to a higher exhaust elbow mount for ease of servicing.

#### REMOTE OIL FILTER KIT



#### 807459A 3

Fits 1996-2002 MCM V-6 (Gen+) Carb & TBI engines (s/n 0F803000-0M614999). Also fits the 4.3L Plus-Series engine.

#### REMOTE OIL FILTER KIT



#### 864990A 2

Fits 2002-2015 MCM V-6 Carb engines (s/n 0M615000 thru 2A454127).

### REMOTE OIL FILTER KIT



#### 35-806329A 1

Fits 1996-2015 MCM/MIE V-8 (305 & 350 cid) engines with 4 in. (102 mm) O.D. exhaust elbows. Also fits 1997-2002 Tow Sports V-8 (350 & 377 cid) engines (s/n 0K040001-0M316999). See application chart.

### **REMOTE OIL FILTER KIT**



#### 807459A09

Fits 1997-2002 MCM V-8 (305 & 350 cid) carb engines with standard cooling (s/n 0K001501-0M614999).

### REMOTE OIL FILTER KIT



#### 864990A 1

Fits 2001-2002 MCM V-8 (305 & 350 cid) carb engines with closed cooling (s/n 0M300000-0M614999). Fits 2002-2009 MCM V-8 (305 & 350 cid) carb engines (s/n 0M615000 thru 1A607561).

### REMOTE OIL FILTER KIT CHART

#### MCM Remote Oil Filter Kits

Model	Model Notes	Year Range	Serial # Range	Remote Oil Filter Kit
MCM 4 cyl. (153 & 181 cid)		1983 - 1995	6229718 and up	(5)
MCM 4 cyl. (181 cid)		1996 - 2015	0F604000 and up	N.L.A.
MCM V-6 (229 cid)		1983 - 1984	6330183 and up	(5)
MCM V-6 (262 cid)	3 in.(76 mm) exhaust elbows	1985 - 1986	0A331455 - 0B527955	(5)
MCM V-6 (262 cid)	4 in.(102 mm) exhaust elbows	1985 - 1990	0A331455 - 0D445799	N.L.A.

### **MERCRUISER**

	· · ·	0.11/10	D ( A) E1/2 1/2
Model Notes			Remote Oil Filter Kit
	1991 - 1996	0D445800 - 0F802999	N.L.A.(2)(3)
Carb & TBI engines	1996 - 2002	0F803000 - 0M614999	807459A 3
Carb engines	2002 - 2015	0M615000 - 2A454127	864990A 2
MPI engines	2002 - 2016	0M300000 - 2A506375	(6)
CEO exhaust manifolds	1983 - 1986	6218462 - 0B525981	N.L.A.(4)
3 in.(76 mm) exhaust elbows	1987 - 1990	0B525982 - 0D445799	N.L.A.(4)
4 in.(102 mm) exhaust elbow	1987 - 1990	0B525982 - 0D445799	35-806329A 1(1)(2)(3)
	1991 - 1996	0D445800 - 0K001500	35-806329A 1(1)(2)(3)
	1991 - 1996	0D445800 - 0K001500	(6)
	1997 - 2001	0K001501 - 0M299999	807459A09
Carb engines	2002	0M300000 - 0M614999	807459A09
Carb engines	2002 - 2009	0M615000 - 1A607561	864990A 1
MPI engines	2002 - 2014	0M300000 - 2A445872	(6)
CEO exhaust manifolds	1981 - 2019	5907058 and up	(6)
3 in.(76 mm) exhaust elbows	1987 - 1990	0B514627 - 0D434549	N.L.A.(4)
4 in.(102 mm) exhaust elbow	1987 - 1996	0B514627 - 0K040000	35-806329A 1(1)(2)(3)
	1997 - 2002	0K040001 - 0M316999	35-806329A 1(1)(2)(3)
	2002 - 2015	0M317000 - 2A455977	(5)
	2001 - 2015	0L670015 - 2A460138	(7)
CEO exhaust manifolds	1982 - 2019	6083145 and up	(6)
	1995 - 1996	0F215800 and up	(6)
	Carb engines MPI engines  CEO exhaust manifolds 3 in.(76 mm) exhaust elbows 4 in.(102 mm) exhaust elbow  Carb engines Carb engines MPI engines  CEO exhaust manifolds  3 in.(76 mm) exhaust elbows 4 in.(102 mm) exhaust elbows	Carb & TBI engines 1996 - 2002 Carb engines 2002 - 2015 MPI engines 2002 - 2016  CEO exhaust manifolds 1983 - 1986 3 in.(76 mm) exhaust elbows 1987 - 1990 4 in.(102 mm) exhaust elbow 1991 - 1996 1991 - 1996 1997 - 2001 Carb engines 2002 Carb engines 2002 Carb engines 2002 Carb engines 2002 - 2014  CEO exhaust manifolds 1981 - 2019  3 in.(76 mm) exhaust elbows 1987 - 1990 4 in.(102 mm) exhaust elbows 1987 - 1996 1997 - 2002 2002 - 2015 2001 - 2015	Carb & TBI engines 1996 - 2002 0F803000 - 0M614999 Carb engines 2002 - 2015 0M615000 - 2A454127 MPI engines 2002 - 2016 0M300000 - 2A506375  CEO exhaust manifolds 1983 - 1986 6218462 - 0B525981 3 in.(76 mm) exhaust elbows 1987 - 1990 0B525982 - 0D445799 4 in.(102 mm) exhaust elbow 1987 - 1990 0D445800 - 0K001500 1991 - 1996 0D445800 - 0K001500 1991 - 1996 0D445800 - 0K001500 1997 - 2001 0K001501 - 0M299999 Carb engines 2002 0M300000 - 0M614999 Carb engines 2002 0M300000 - 2A445872  CEO exhaust manifolds 1981 - 2019 5907058 and up  3 in.(76 mm) exhaust elbows 1987 - 1990 0B514627 - 0K040000 1997 - 2002 0K040001 - 0M316999 2002 - 2015 0M317000 - 2A455977 2001 - 2015 0L670015 - 2A460138  CEO exhaust manifolds 1982 - 2019 6083145 and up

- (1) If the engine has stainless steel exhaust elbows on it, order Oil Filter Bracket Kit P/N 817403A 4 also.
- (2) If the engine has 6 in.(152 mm) risers installed on it, an Oil Filter Hose Extension Kit may be required.
- (3) If the engine has cast iron exhaust elbows and 3 in.(76 mm) risers, order 2 studs P/N 16-11376
- (4) If the engine has 3 in.(76 mm) risers, order 2 studs P/N 16-34713
- (5) No Kit Available
- (6) Standard Equipment
- (7) Factory installed option only

### REMOTE OIL FILTER BRACKET KIT

Relocates the oil filter when installing 6 in.(152 mm) risers to engines that have the remote oil filter bracket attached to the cast iron exhaust elbows.

#### REMOTE OIL FILTER BRACKET KIT



### 861557A 1

Fits 1997 & newer MIE engines with 6 in.(152 mm) risers & cast iron elbows. Will not work on engines with stainless steel elbows.

# REMOTE OIL FILTER BRACKET KIT CHART

### **MCM Oil Filter Bracket**

Model	Year Range	Serial # Range	Oil Filter Bracket Kit
MIE 5.7L (Gen +)	1998 - 2001	0L002003 - 0M299999	861557A 1
MIE 350 Mag MPI (Gen +)	1998 - 2001	0L002008 - 0M299999	861557A 1
MIE 350 Horizon (Gen +)	1999 - 2001	0L304700 - 0M299999	861557A 1
MIE MX 6.2 MPI	2001	0L680003 - 0M299999	861557A 1
Ski 5.7L	1997	0K040004 - 0K999999	861557A 1
Ski 5.7L (Gen +)	1998 - 2001	0L002005 - 0M299999	861557A 1
Ski 350 Mag	1997	0K040400 - 0K999999	861557A 1
Ski 350 Mag EFI (Gen +)	1997	0K040006 - 0K999999	861557A 1
Ski 350 Mag MPI (Gen+)	1998 - 2001	0L002600 - 0M299999	861557A 1
Black Scorpion Ski MIE	1997 - 2003	0K040001 - 0M391599	861557A 1
MX 6.2 Black Scorpion Ski	2001 - 2003	0L680015 - 0M391599	861557A 1
MCM 7.4L Bravo (Gen VI)	1996 - 1997	0F800700 - 0K999999	861557A 1

Model	Year Range	Serial # Range	Oil Filter Bracket Kit
MIE 7.4L MPI (Gen VI)	1998 - 2001	0L002006 - 0L674613	861557A 1
MIE 454 Mag MPI Horizon	1998 - 2001	0L002200 - 0L674000	861557A 1
MIE 8.2L MPI (Gen VI)	1998 - 2001	0L002450 - 0L674200	861557A 1

### **OIL DRAIN HOSE KITS**

These oil drain kits allow draining of engine oil through the oil pan drain plug.

### **OIL DRAIN KIT**



#### 32-865277A02

Includes special tether so oil drain hose can be pulled out through the boat bilge drain hole to drain engine oil. Boat needs to be removed from the water to take advantage of this feature.

Fits 1995 and older MCM GM 4 cyl., V-6 & V-8 engines (all, except 8.1L) with standard (SAE) 1/2-20 oil drain plug threads.

#### **OIL DRAIN KIT**



#### 32-865278A03

Includes special tether so oil drain hose can be pulled out through the boat bilge drain hole to drain engine oil. Boat needs to be removed from the water to take advantage of this feature.

Fits 1997-2000 MCM V-6 (s/n 0K000000-0M000000).

### **OIL DRAIN KIT**



#### 32-865278A04

Includes special tether so oil drain hose can be pulled out through the boat bilge drain hole to drain engine oil. Boat needs to be removed from the water to take advantage of this feature.

Fits 2009-2016 and newer MCM V-6 MPI engines (s/n 1A343329 thru 2A528897).

#### **OIL DRAIN KIT**



#### 32-865281A02

Includes special tether so oil drain hose can be pulled out through the boat bilge drain hole to drain engine oil. Boat needs to be removed from the water to take advantage of this feature.

Fits 1996 and up MCM V-8 engines with metric M12 oil pan drain plug threads. Also fits 4.5L V6 engines.

### **OIL DRAIN HOSE KIT CHART**

#### MCM Oil Drain Hose Kits

Model	Model Notes	Year Range	Serial # Range	Oil Drain Hose Kit with Tether
MCM 4 cyl. (153 & 181 cid)		1983 - 2016	6229718 - 2A506300	32- <b>865277A02</b>
MCM V-6 (229cid)		1983 - 1984	6330183 - 6919655	32- <b>865277A02</b>
MCM V-6 (262cid)		1985 - 1996	0A331455 - 0F802999	32- <b>865277A02</b>
MCM V-6 (262cid)	Cast aluminum oil pan	1996	0F803000 - 0K000000	(1)
MCM V-6 (262cid)		1997 - 2000	0K000001 - 0M000000	32- <b>865278A03</b>
MCM V-6 (262cid)	Jackshaft models	1999 - 2012	0L320000 and up	N.L.A.
MCM V-6 (262cid)	MPI engines	2009 - 2016	1A343329 - 2A528897	32- <b>865278A04</b>
MCM V-6 4.5L	MPI engines	2014 - 2019	2A441953 and up	32- <b>865281A02</b>

#### **MERCRUISER**

Model	Model Notes	Year Range	Serial # Range	Oil Drain Hose Kit with Tether
MCM V-8 (305 & 350cid)	1/2-20 oil plug threads	1983 - 1995	6218462 - 0F600999	32-865277A02
MCM V-8 (305, 350 & 377cid)	12MM oil plug threads	1996 - 2015	0F601000 - 2A455872	32- <b>865281A02</b>
MCM V-8 (305, 350 & 377cid)	MPI engines	2009 - 2015	1A342186 - 2A455878	32- <b>865281A02</b>
MCM V-8 6.2L Mercury	MPI engines	2016 - 2019	2A456613 and up	32-865281A02
MCM V-8 (454cid)	1/2-20 oil plug threads	1982 - 1996	6083145 - 0F800699	32- <b>865277A</b> 02
MCM V-8 (454cid)	12MM oil plug threads	1996 - 2001	0F800700 - 0M024999	32-865281A02
MCM V-8 (496cid)	12MM oil plug threads	2009 - 2012	1A349411 - 1A352731	32-865281A02
MCM V-8 (502cid)	1/2-20 oil plug threads	1990 - 1993	0C878221 - 0F802599	32- <b>865277A02</b>
MCM V-8 (502cid)	12MM oil plug threads	1996 - 2019	0F802600 - 0M024999	32- <b>865281A02</b>

(1) Kit not available

#### **WATER ELIMINATOR**

Uses polymer crystals encased in a plastic filter to absorb water from the fuel in a fuel tank. Supplied with a 2 ft.(610 mm) lanyard. Sold in counter display box. Approximate dimensions: 3-1/2 in.(89 mm) a 1-1/4 in.(32 mm).

#### WATER ELIMINATOR



#### 67-808887Q

Contains a drying agent commonly used to keep small, sealed containers dry. It

absorbs water that has collected in the fuel tank.

How to use: Attach to the inside fuel cap with the lanyard (included). Adjust the lanyard so the Water Eliminator sits at the bottom of the fuel tank. Replace as needed.

For use in all octane grades of gasoline, including ethanol blended. Not recommended for diesel fuel.

For use in all 2-cycle and 4-cycle gasoline outboard, sterndrive, inboard and jet drive marine engines.

Priced individually, sold @ multiples of 6

Quicksilver Branded, Point of Sale Packaged.

#### **BOOST PUMP KIT**

#### **BOOST PUMP KIT**



#### 862264A 7

Helps minimize vapor locking Fits MCM/MIE 4.3L, 5.0L, 5.7L & 6.2L EFI/MPI engines

#### **FUEL FILTER KIT**

#### **FUEL FILTER KIT**



#### 35-864572A 1

Prevents blockage of the boost pump inlet from debris that may be in the fuel tank. This filter is installed in-line between the fuel tank and boost pump. Standard equipment with all current engines using a boost pump. This filter will backfit older MerCruiser 8.1S/496 Mag engines.

Fits all MCM/MIE gasoline engines using a boost pump.

#### **FUEL FILTER**



#### 35-864572

Replacement in-line filter

Fits all MCM/MIE gasoline engines using a boost pump.

# HIGH CAPACITY WATER SEPARATING FUEL FILTER - GASOLINE OR DIESEL

#### WATER SEPARATING FUEL FILTER KIT



#### 35-8M0082290

Kit consisting of our vessel mounted head (without fittings) and our High Capacity water separating fuel filter. Our brass fittings may be used with gas engines but stainless steel fittings p/n 22-8M0058419 are required in diesel applications. Filter features 10 micron, 90% efficiency with a 120 gallon per hour flow rate.

Compatible with most 2-Stroke and 4-Stroke Outboards and most Inboard & Sterndrive Gas and Diesel Engines.

Quicksilver Branded

#### WATER SEPARATING FUEL FILTER



#### 35-8M0079962

High volume replacement filter featuring 10 micron filtration with over 90% efficiency, flowing 120 gallons per hour while separating water from your fuel. The internal epoxy coating protects against corrosion and the low pressure drop reduces fuel flow restriction helping to prevent vapor-locking and stalling. This filter contains 25% more media than comparable aftermarket filters, providing longer life and improved water separation.

Fits remote mounted applications that do not have clearance issues.

Quicksilver Branded

## WATER SEPARATING FUEL FILTERS -GASOLINE

#### WATER SEPARATING FUEL FILTER KIT





#### 35-802893Q 4

For gasoline use only. Degree of filtration is 25 micron, minimum.

Used in both outboard and MerCruiser applications (except 1992 MerCruiser 4.3 L Gen II engines equipped with an in-line fuel filter).

Quicksilver Branded, Box Point of Sale Packaged.

#### WATER SEPARATING FUEL FILTER KIT



#### 35-807172A 1

For gasoline use only.

For use on 1992 MCM 4.3L Gen II engines equipped with an in-line fuel filter.

#### **FUEL FILTER**



#### 35-866594Q01

10 micron

For MerCruiser 1.6L Vazer and 3.0L MPI EC engines Quicksilver Branded, Box Point of Sale Packaged.

#### WATER SEPARATING FUEL FILTER



#### 35-802893Q01

25 micron

Used in both outboard and MerCruiser applications (except 1992 MerCruiser 4.3 L Gen II engines equipped with an in-line fuel filter & 1.6L Vazer and 3.0L MPI engines).

Priced individually, sold @ multiples of 6 Quicksilver Branded, Box Point of Sale Packaged.

#### WATER SEPARATING FUEL FILTER



#### 35-8M0000202

Fits Mercury Racing 850, 1075 & 1200 SCi engines Mercury Branded

#### WATER SEPARATING FUEL FILTER KIT



#### 35-8M0000493

For Mercury Racing 1200 SCi and all QC4V engines Mercury Branded

#### WATER SEPARATING FUEL FILTER



#### 892687A02

Replacement filter & canister

Fits 2004-2015 MCM/MIE engines with Gen III fuel cooler

#### WATER SEPARATING FUEL FILTER



#### 35-8M0093688

Replacement filter

Fits 2004-2015 MCM/MIE engines with Gen III fuel cooler

#### WATER SEPARATING FILTER BRACKET



#### 89876A 3

Includes brass fittings.

For vessel mounted applications.

#### THREADED HOSE BARB



#### 22-89771Q 2

For use with 5/16" (8 mm) I.D. hose and applications requiring a 1/4" NPT thread. Threads into our portable fuel tanks and will also work with our water separating filter bracket.

A .250 inch ID brass fitting for use with gasoline fuel only. This material should not be used with diesel fuels.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### THREADED HOSE BARB



#### 22-8M0058419

For use with 5/16" (8 mm) I.D. hose and applications requiring a 1/4" NPT thread. Threads into our portable fuel tanks and will also work with our water separating filter bracket.

A stainless steel fitting for use with both gasoline and diesel fuel. This fitting has a .300 inch ID.

#### THREADED HOSE BARB



#### 22-8M0125175

For use with 3/8"-18 (9.5MM). Threads into our portable fuel tanks and will also work with our water separating filter bracket.

.375 inch ID stainless steel fitting for use with both gasoline and diesel fuel.

#### **FUEL LINE SNAPPER CLAMP**



#### 54-41582Q7

For use with our gray color, 5/16 in. (8 mm) I.D. fuel line. Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### WATER SEPARATING FUEL FILTERS -DIESEL

#### WATER SEPARATING FUEL FILTER



#### 882376

Fits 1.7 MS 120

#### WATER SEPARATING FUEL FILTER



#### 35-879172104

Fits all QSD 2.0, 2.8, & 4.2 engines

#### WATER SEPARATING FUEL FILTER



#### 35-8M0103963

Fits 530D-TA/D183/D3.0L (s/n 0B993002-0D725459), 636D-TA/D219/D3.6L (s/n 0B993002-0F306929), and D254/D4.2L (s/n 0C489461-0F450249) diesel engines

#### WATER SEPARATING FUEL FILTER



#### 35-807256T

Fits 2.8 EI & ES, D3.0L (s/n 0D725460 and up), D3.6L (s/n 0F306930 and up), and D4.2L (s/n 0F450250 and up)

#### WATER SEPARATING FUEL FILTER



#### 35-880830T

Replacement element Fits 4.2L MI & MS

#### WATER SEPARATING FUEL FILTER



#### 35-808275

Fits D7.3L (s/n 0F060000 and up)

#### WATER SEPARATING FUEL FILTER



#### 35-8M0067337

Replacement element

Fits MCM/MIE 1.9L, 2.5L, 3.0L V6 amd 4.2L V8 TDI diesel engines.

#### WATER SEPARATING FUEL FILTER



#### 35-8M6002390

Fits MCM/MIE 4.2L V8 TDI 335 & 370 diesel engines (s/n CMC000200 & up)

## RACOR WATER SEPARATING FUEL FILTERS - GASOLINE

These unique filters have a reusable bowl at the bottom of the filter. The bowl is made of metal to meet U.S. Coast Guard Regulations. These filters will flow up to 90 gallons (341 L) per hour and spin on existing MerCruiser and Volvo Penta inboards. Note: Clearance problems may occur in some instances. Check filter clearance prior to installation. For gasoline use. Can be mounted to filter bracket 89876A 3.

#### **RACOR WATER SEPARATING FUEL FILTER**



#### 35-809100

Includes metal bowl.

All MCM/MIE models, except 1992 MCM 4.3L Gen II engines equipped with an in-line fuel filter. Degree of filtration is 10 micron.

#### **RACOR WATER SEPARATING FUEL FILTER**



#### 35-809101

All MCM/MIE models, except 1992 MCM 4.3L Gen II engines equipped with an in-line fuel filter. Degree of filtration is 10 micron.

# RACOR WATER SEPARATING FUEL FILTERS - DIESEL

10 micron filter

#### **RACOR WATER SEPARATING FUEL FILTER**



#### 35-850481

3/4 in.(19 mm) - 16 SAE thread inlet and outlet

For diesel engines

#### 35-809867

14 mm thread inlet and outlet

For diesel engines

#### **RACOR WATER SEPARATING FUEL FILTER**



#### 35-809868T

Replacement Racor 10 micron element For diesel engines with Racor water separating fuel filter

#### **SEAWATER PICKUPS**

#### **SEAWATER PICKUP**



#### 88845A 1

Transom mount, for 1-1/4 in.(32 mm) hose. Fits any sterndrive engine that has an engine mounted seawater pump.

#### **SEAWATER PICKUP**



#### 22-8M0102849

Transom mount, for 1-1/2 in.(38 mm) hose.

Primarly used on diesel engines with 1-1/2 in.(38 mm) seawater inlet hose.

#### SEAWATER PICKUP



#### 22-818170A 2

Bronze, thru hull mount with seacock, 1-1/2 in.(38 mm) pipe size. Primarily used on diesel applications with 1-1/2 in.(38 mm) seawater inlet hose

#### **SEAWATER PICKUP**



#### 8M0113313

Bronze, thru hull mount, 2" (51 mm) pipe size Primarily used on diesel applications with 2" (51 mm) seawater hose

#### **SEAWATER STRAINER**

#### **SEAWATER STRAINER**



#### 35-860603

Primarily used on diesel applications. For use with 1-1/2 in. (38 mm) I.D. seawater inlet hose. Order 1-1/2 in. (38 mm) barb fittings separately p/n 22-816339.

#### **FITTING**



#### 22-816339

1-1/2 in.(38 mm) barb fitting for use with seawater strainer 35-860603

#### WATER PRESSURE RELIEF VALVE KIT

#### WATER PRESSURE RELIEF VALVE KIT



#### 863208A 3

The purpose of this kit is to regulate engine block water pressure to a maximum of 30 psi and vent excess water overboard.

Fits all MCM engines in high performance applications where engine block water pressures are exceeding the maximum 30 psi.

#### **CHECK VALVE KIT**

#### CHECK VALVE KIT



#### 864206A02

Prevents the discharge of engine cooling water through the drive unit during short term storage conditions.

Fits 2005-2015 MCM V-8 (305, 350 & 377 cid) MPI Bravo engines with standard cooling and Gen III fuel cool (s/n 0W060000 thru 2A455878). Not for use with Axius

#### **CHECK VALVE KIT**



#### 864206A03

Prevents the discharge of engine cooling water through the drive unit during short term storage conditions.

Fits 2005-2015 MCM V-8 (305, 350 & 377 cid) MPI Bravo engines with closed cooling and Gen III fuel cool (s/n 0W060000 thru 2A455872). Not for use with Axius

## DIAGNOSTIC TOOLS FOR MULTIPLE CYLINDER **APPLICATIONS**

#### **VACUUMMATE**



#### 91-889236

3-in-1 Multi-function tool. Water and shock-resistant. Intake synchroniser /

Dynamic fault analyser (valve diagnostics)/ Tachometer. Allweather, can be used outdoors, even floats if dropped into the water.

This Marine model has rechargeable batteries for greater ease of use.

Delivered with the VacuumMate in a nylon case are the unique flexi-rigid 4xM6, 4xM5 & T-piece adapters and a 12V power / charge cable

#### **OPTIONAL FRONT ENGINE MOUNT**

#### FRONT ENGINE MOUNT



#### 76409F 1

6-1/2 in.(165 mm) centers by 5-7/8 in.(149 mm) high. Fits MCM 120, 140, 2.5L & 3.0L/LX

#### PROPELLER SHAFT COUPLERS FOR MIE ONLY

Includes set screw and through bolts.

#### PROPELLER SHAFT COUPLER



#### 79476A 1

5 in.(127 mm) diameter flange, 1 in.(25 mm) diameter bore Fits Borg Warner 71 series Inline - 1.5:1, 2:1, 2.5:1, or 3:1 ratio; Borg Warner 71 series V-Drives; all 72 series; and all Hurth series transmissions

5 in.(127 mm) diameter flange, 1-1/4 in.(32 mm) diameter bore Fits Borg Warner 71 series Inline - 1.5:1, 2:1, 2.5:1, or 3:1 ratio; Borg Warner 71 series V-Drives; all 72 series; and all Hurth series transmissions

#### 79476A 4

5 in.(127 mm) diameter flange, 1-3/8 in.(35 mm) diameter bore Fits Borg Warner 71 series Inline - 1.5:1, 2:1, 2.5:1, or 3:1 ratio; Borg Warner 71 series V-Drives; all 72 series; and all Hurth series transmissions

#### 79476A 5

5 in.(127 mm) diameter flange, 1-1/2 in.(38 mm) diameter bore Fits Borg Warner 71 series Inline - 1.5:1, 2:1, 2.5:1, or 3:1 ratio; Borg Warner 71 series V-Drives; all 72 series; and all Hurth series transmissions

5 in.(127 mm) diameter flange, 1-3/4 in.(44 mm) diameter bore Fits Borg Warner 71 series Inline - 1.5:1, 2:1, 2.5:1, or 3:1 ratio; Borg Warner 71 series V-Drives; all 72 series; and all Hurth series transmissions

180

#### **GEAR HOUSING REPLACEMENT SKEGS**

#### REPLACEMENT SKEG



#### 90185A 1

Will not fit original Alpha One drives For MCM Alpha One Gen II drives (s/n 0D469859 and above)

#### REPLACEMENT SKEG



#### 815632A02

For MCM Bravo One & Bravo Three drives

#### REPLACEMENT SKEG



806688A02 For MCM Bravo Two drives

#### TRANSOM ADAPTER KIT

For use when replacing a Volvo or BMW sterndrive with a new standard MCM Alpha or Bravo sterndrive. It provides a rugged mounting that seals the competitors" larger transom cutouts and eliminates costly rework to fiberglass, aluminum, or steel transoms.

#### TRANSOM ADAPTER KIT



#### 827691A 1

For use when replacing a Volvo or BMW sterndrive with a standard MerCrusier Alpha or Bravo sterndrive assembly. This kit provides a rugged mounting support that seals the competitors' larger transom cutouts and eliminates costly rework to fiberglass, aluminum, or steel transoms.

For use with 1970-1987 BMW Z-drives Mark 1 & Mark 2
For use with 1969-1977 Volvo AQ250, 270, 275, 280, 258, 290 & 290DP
For use with 1997 & older Volvo DP sterndrivedrives

#### **GALVANIC ISOLATOR KIT**

Galvantically isolates a boat from all metals ashore as well as from other boats that are plugged into the same shore power circuit. The Galvanic Isolator is rated up to 60 amps capable of handing two 30 amp shore power circuits. The Monitor continually monitors the Galvanic Isolator, boat wiring and shore power wiring for faults. The Display provides both an audible and visual alarm if fault is detected. An added feature of the Monitor and Display is corrosion protection by supplying impressed current into the water, similar to the MerCathode system.

#### **GALVANIC ISOLATOR**



#### 888557T01

Rated up to 60 amps - capable of handling two 30 amp shore power circuits.

#### **MERCATHODE**

Automatically protects the sterndrive from galvanic corrosion. A solid state device that operates off a 12 voltThe increased output provides greater protection for underwater aluminum parts. Its reliable, efficient operation requires an insignificant amount of current when protection is needed.

#### **MERCATHODE KIT**



#### 98-8M0122010

Factory fit
Anode/reference electrode unit mounts in place of zinc anode under the gimbal housing, eliminating the need to drill holes through the transom. The new black Gen III MerCathode controller with the red decal is mounted inside the boat. Fits 2014 and newer 4.5L V6 with Alpha drives

#### **MERCATHODE KIT**



#### 8M0089497

Anode/reference electrode unit mounts in place of zinc anode under the gimbal housing, eliminating the need to drill holes through the transom. The new black Gen III MerCathode controller with the red decal is mounted inside the boat. Fits 2014 and newer Bravo drives

#### **MERCATHODE KIT**



#### 8M0085693

Anode/reference electrode unit mounts in place of zinc anode under the gimbal housing, eliminating the need to drill holes through the transom. The new black Gen III Mercathode controller with the blue decal is mounted inside the boat. Fits R, MR, Alpha One & Gen II, and Bravo drives. (2013 and older)

#### **MERCATHODE KIT**



#### 42600A14

Kit includes the new black Gen III MerCathode controller with the red decal and 2 transom mounted anodes for boats requiring additional corrosion protection. This kit is used in conjunction with gimbal mounted anode/reference electrode unit p/n 98869A14. The new MerCathode controller replaces the existing blue controller mounted inside the boat.

Fits R, MR, Alpha One, Gen II & Bravo drives

#### **MERCATHODE KIT**



Transom mounted system is mounted with the anode and reference electrode on (and through) the transom of the boat on opposite sides of the drive. The new Gen III MerCathode controller with the blue decal is mounted inside the boat.

Fits all boat applications with a 12 volt operating system.

#### MERCATHODE CONTROL UNIT



#### 8M0100517

Black Gen III controller with red decal. Fits R, MR, Alpha One & Gen II, and Bravo drives.

#### MERCATHODE CONTROL UNIT



#### 42600A09

Black Gen III MerCathode controller with blue decal and attaching hardware only. To be connected in parallel with 98869A14 Mercathode systems for certain salt water applications.

Fits R, MR, Alpha One & Gen II, and Bravo drives.

#### **MERCATHODE ANODE**



#### 72957A 5

Replacement anode assembly for 88334 series Mercathode systems.

#### MERCATHODE ELECTRODE



#### 72958A 5

Replacement electrode assembly for 88334 series Mercathode systems.

#### MERCATHODE REFERENCE ELECTRODE TESTER



#### 91-8M0135998

Use with a digital multimeter to test the function of Mercathode systems. Senses an electrical current in the water when testing the Mercathode system.

## **ANODE KITS**

#### ANODE KIT



#### 888756Q04

Aluminum anodes - For use in saltwater or freshwater. Fits 1984-1990 MR & Alpha One drives (s/n 6225577-0D469828) Quicksilver Branded, Box Point of Sale Packaged.

#### 888755Q04

Magnesium anodes - For freshwater use only. Do not use in saltwater applications. Fits 1984-1990 MR & Alpha One drives (s/n 6225577-0D469828) Quicksilver Branded, Box Point of Sale Packaged.

#### ANODE KIT



#### 888756Q03

Aluminum anodes - For use in saltwater or freshwater.
Fits 1991 and newer Alpha One Gen II drives (s/n 0D469829 and up)
Quicksilver Branded, Box Point of Sale Packaged.

#### 888755Q03

Magnesium anodes - For freshwater use only. Do not use in saltwater applications. Fits 1991 and newer Alpha One Gen II drives (s/n 0D469829 and up) Quicksilver Branded, Box Point of Sale Packaged.

#### ANODE KIT



#### 888758Q02

Aluminum anodes - For use in saltwater or freshwater. Fits 1988 and newer Bravo One drives (s/n 0B664190 and up) Quicksilver Branded, Box Point of Sale Packaged.

#### 888757Q02

Magnesium anodes - For freshwater use only. Do not use in saltwater applications. Fits 1988 and newer Bravo One drives (s/n 0B664190 and up)

Quicksilver Branded, Box Point of Sale Packaged.

#### **ANODE KIT**



#### 888761Q03

Aluminum anodes - For use in saltwater or freshwater. Fits 1988 and newer Bravo II drives (s/n 0B664190 and up) Fits 1995-2002 Bravo III drives (s/n 0F345868-0M179451) Quicksilver Branded, Box Point of Sale Packaged.

#### 888760Q03

Magnesium anodes - For freshwater use only. Do not use in saltwater applications. Fits 1988 and newer Bravo II drives (s/n 0B664190 and up) Fits 1995-2002 Bravo III drives (s/n 0F345868-0M179451) Quicksilver Branded, Box Point of Sale Packaged.

#### **ANODE KIT**



#### 888761Q04

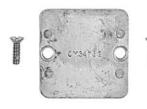
Aluminum anodes - For use in saltwater or freshwater. Fits 2003 and newer Bravo III drives (s/n 0M179452 and up) Quicksilver Branded, Box Point of Sale Packaged.

#### 888760Q04

Magnesium anodes - For freshwater use only. Do not use in saltwater applications. Fits 2003 and newer Bravo III drives (s/n 0M179452 and up)
Quicksilver Branded, Box Point of Sale Packaged.

#### **ANODES - TRANSOM**

#### ANODIC PLATE



34762A 1

#### **ANODE KIT**



#### 55989Q9

Aluminum

Fits MC-I, R, MR, Alpha and Bravo drives (s/n 0D469828 and below) Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### 55989T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits MC-I drives

#### **GIMBAL HOUSING ANODE**



#### 821631Q 1

Aluminum

Fits R, MR, Alpha One, Gen II, Bravo I, II, III, X, XR & XZ drives. Priced individually, sold @ multiples of 2 Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### 821631T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits R, MR, Alpha One, Gen II, Bravo I, II, III, X, XR & XZ drives.

#### **ANODE-HANGING**



#### 809690A 1

Aluminum

Provides additional corrosion protection when boat is at mooring. Fits all applications when hung over side of the boat.

Zinc

#### **ANODES - DRIVESHAFT HOUSING**

#### **DRIVESHAFT HOUSING ANODE**



#### 821629Q 1

Aluminum

Fits Alpha One Gen II drives.

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### 821629A 2

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Alpha One Gen II drives.

#### **DRIVESHAFT HOUSING ANODE**



#### 821630Q 1

Aluminum

Fits Bravo I, II, III, X, XR & XZ drives.

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### 821630A 2

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Bravo I, II, III, X, XR & XZ drives

#### **ANODES - PROPELLER**

#### PROP NUT ANODE KIT



#### 809664A 1

1-1/8 in. Shaft, 3/4 in. NF 16

Fits Mercury/Mariner 70 hp and higher outboards (except 225 EFI FourStroke); Also fits MC-I, R, MR, Alpha, Bravo One & TRS sterndrives (1970 & newer)

#### **PROP NUT ANODE KIT**



#### 809666A02

Aluminum, For use in saltwater or freshwater. 1-3/8 in. Shaft, 1 in. NF 14

Fits Bravo III drives (s/n 0M179451 and below)

#### 809666A03

Magnesium, For use in freshwater only. 1-3/8 in. Shaft, 1 in. NF 14

Fits Bravo III drives (s/n 0M179451 and below)

#### REPLACEMENT PROP NUT ANODE



#### 809662T

2 in. Aluminum Anode Shell Replacement Shell for 809662A 1

#### REPLACEMENT PROP NUT ANODE



#### 809666T

2-5/16 in. Aluminum Anode Shell Replacement Shell for 809666A 1and 809666A02

#### 809666T01

2-5/16 in. Magnesium Anode Shell Replacement Shell for 809666A03

#### REPLACEMENT PROP NUT ANODE



**809670T** 2-1/2 in. Aluminum Anode Shell Replacement Shell for 809670A 1

#### PROP NUT ANODE



865182Q01

Aluminum

Fits Bravo III (s/n 0M179452 and up)

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### 865182A02

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Bravo III (s/n 0M179452 and up)

## **ANODE CHART - PROPELLER NUT**

#### **Prop Nut Anodes**

Thread Size/ per inch	Shaft Size	Zinc Size	Outside Diameter	Space Pounds	Space Grams	Complete Pounds	Complete Grams	Anodic Prop Nut Kit	Replacement Prop Nut Anode
1/2 inch NC 13	3/4 inch	Α	1-1/4 inch	.20	90.9	.34	154.5	N.L.A.	N.L.A.
5/8 inch NC 11	7/8 inch	В	1-5/8 inch	.50	227.27	.82	372.7	N.L.A.	N.L.A.
3/4 inch NC 10	1 inch	С	2 inch	1.06	481.8	1.55	704.5	N.L.A.	809662T
3/4 inch NF 16	1 inch	С	2 inch	1.06	481.8	1.55	704.5	809664A 1	809662T
7/8 inch NC 9	1-1/4 inch	D	2-5/16 inch	1.50	681.8	2.20	999.9	N.L.A.	809666T
7/8 inch NF 14	1-1/4 inch	D	2-5/16 inch	1.50	681.8	2.20	999.9	N.L.A.	809666T
1 inch NF 14	1-3/8 inch	E	2-1/2 inch	1.70	772.7	2.55	1159	N.L.A.	809670T
1-1/8 inch NC 7	1-1/2 inch	F	2-3/4 inch	2.00	909.0	3.20	1454	N.L.A.	N.L.A.

#### **ANODES - GEAR HOUSING**

#### **TRIM TAB**



#### 31640Q 4

Aluminum

Fits most Mercury/Mariner outboards 35 hp. & above and all MerCruiser except Bravo. Check for adequate propeller clearance prior to operation. Quicksilver Branded, Clamshell Package Point of Sale Packaged.

Magnesium - For freshwater use only. Do not use in Saltwater applications. Fits most Mercury/Mariner outboards 35 hp. & above and all MerCruiser except Bravo. Check for adequate propeller clearance prior to operation.

#### **TRIM TAB**



34127T 2

An optional trim tab for R, MR and Alpha One drives. Provides increased steering torque reduction for non-power steering applications. Will not work with Black Max or other high rake propellers.

#### **ANODIC PLATE**



#### 76214Q 5

Aluminum

Provides additional clearance for high rake propellers.

Fits Mercury/Mariner 35-300hp, Force 90 & 120hp 1995 and newer, MerCruiser Alpha One Gen II and Bravo I, II, III, X XR & XZ drives.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Mercury/Mariner 35-300 HP, Force 90 & 120 HP 1995 and newer, MerCruiser Alpha One Generation II and Bravo I, II and III drives.

#### **TRIM TAB ANODE**



#### 822777Q 1

Aluminum

For applications where extra clearance is required for high rake propellers. Fits most Mercury/Mariner 35 hp and above, Force 90/120 (1995 and newer), and all Mercury MerCruiser engines.

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits most Mercury/Mariner 35 hp and above, Force 90/120 (1995 and newer), and all Mercury MerCruiser engines.

#### ANODIC PLATE



#### 76214 4

Aluminum

Fits Bravo III with 2 pc. anti-ventilation plate Fits Bravo III w/ 1 pc housing (s/n 0M179452 and up)

Fits Vazer

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Bravo III with 2 pc. anti-ventilation plate

#### ANODE



806187A 1

Aluminum Fits BlackHawk

#### **ANODE**



847635

Aluminum Fits SSM VI & VII

#### **BEARING CARRIER ANODE**



#### 806105Q 1

Fits Alpha One Gen II and Vazer drives. Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **BEARING CARRIER ANODE**



#### 806188Q01

Aluminum

Fits Bravo I

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### 806188A 2

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Bravo I

#### **PROP NUT ANODE**



#### 865182Q01

Aluminum

Fits Bravo III (s/n 0M179452 and up)

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Bravo III (s/n 0M179452 and up)

## ANODES - TRIM CYLINDER

#### TRIM CYLINDER ANODE



#### 806189Q 1

Aluminum

Fits Alpha One Gen II drives.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### ANODE BULK PAK

#### 8M0059341

40 Aluminum Trim Cylinder Anodes per box. Equivalent to the individually packaged 806189Q1/T1.
NOTE: Does not include the mounting hardware.

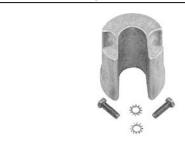
Fits Alpha One Gen II drives.

#### TRIM CYLINDER ANODE

#### 806189A 2

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Alpha One Gen II drives

#### TRIM CYLINDER ANODE



#### 806190Q 1

Aluminum

Fits Vazer and Bravo I, II, III, X, XR, XZ and Blackhawk drives. Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **ANODE BULK PAK**

#### 8M0059342

10 Aluminum Trim Cylinder Anodes per box. Equivalent to the individually packaged 806190Q1/T1.
NOTE: Does not include the mounting hardware.

Fits Vazer and Bravo I, II, III, X, XR, XZ and Blackhawk drives.

#### TRIM CYLINDER ANODE

#### 806190A 2

Magnesium - For freshwater use only. Do not use in saltwater applications. Fits Vazer and Bravo I, II, III, X, XR, XZ and Blackhawk drives.

#### **ANODE - ENGINE**

#### **ENGINE ANODE ASSEMBLY**



#### 879194217

M18 x 1.5 Plug w/ thread-in anode (20mm length x 15mm O.D.) Fits 2.0L, 2.8L, 3.0L & 4.2L in-line diesel engines

#### **ENGINE ANODE ASSEMBLY**

Image not Available.

#### 8M0151540

Longer length for extended corrosion protectionM18 x 1.5 Plug w/ thread-in anode (40mm length x 15mm O.D.)

Fits 3.0L V6 TDI diesel engines

## **ANODE - HEAT EXCHANGER**

#### **HEAT EXCHANGER ANODE**



#### 806000

3/8-18 NPT Plug w/ thread-in anode (32mm length x 13mm O.D.) Fits 1994-2009 D2.8L, D3.0L, D3.6L & D4.2L in-line diesel engine heat exchangers, Also fits Racing 850 SCi, 1025 SCi, 1075 SCi & 1200SCi oil cooler housing.

# ANODE CHART - MERCRUISER MerCruiser Anodes

Model	Year Range	Serial # Range	Gimbal Anodic Pate	Mat.	Gimbal Anodic Mat. Bolt Head		Anodic trim M. Tab/ Plate	Mat. Aı Ta	Anodic Trim Mat. Tab (Opt.)		D/S Hsg. Mat. Anodic Plate	Trim Cylinder Mat. Anode	Bearing Carrier Mat. Anode	Anodic Prop Nut Kit	Prop Nut Anode Only
09	1965 - 1966	1830753 - 2063740	34762A 1	Zinc	N/A	3	31640T 4 AI	Alum. N/	N/A		N/A	N/A	N/A	N.L.A.	N.L.A.
09	1965 - 1966	1830753 - 2063740	34762A 1	Zinc	N/A	3	31640T 6 M.	Magn. N/	N/A		N/A	N/A	N/A	N.L.A.	N.L.A.
80	1966 - 1969	2063741 - 2898029	34762A 1	Zinc	N/A	z	N.L.A.	Ż	N/A		N/A	N/A	N/A	N.L.A.	809662T
06	1970 - 1972	2898020 - 3225967	34762A 1	Zinc	N/A	ż	N.L.A.	Z	N/A		N/A	N/A	N/A	N.L.A.	809662T
_	1963	1534570 - 1684187	34762A 1	Zinc	N/A	ų	34127T 2 Zi	Zinc N/	N/A		N/A	N/A	N/A	N.L.A.	809662T
IA/IB/IC	1964	1684188 - 1777798	34762A 1	Zinc	N/A	3	31640T 4 AI	Alum. 3,	34127T 2	Zinc	N/A	N/A	N/A	N.L.A.	809662T
IA/IB/IC	1964	1684188 - 1777798	34762A 1	Zinc	N/A	6	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	N.L.A.	809662T
IA/IB/IC (EZ-Shift)	1965 - 1966	1776349 - 2065189	34762A 1	Zinc	N/A	3	31640T 4 AI	Alum. 3	34127T 2	Zinc	N/A	N/A	N/A	N.L.A.	809662T
IA/IB/IC (EZ-Shift)	1965 - 1966	1776349 - 2065189	34762A 1	Zinc	N/A	6	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	N.L.A.	809662T
120/140	1967 - 1969	2062141 - 2791956	34762A 1	Zinc	N/A	8	31640T 4 AI	Alum. N/	N/A		N/A	N/A	N/A	N.L.A.	809662T
120/140	1967 - 1969	2062141 - 2791956	34762A 1	Zinc	N/A	8	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	N.L.A.	809662T
120/140	1970 - 1977	2791957 - 4893634	N/A		55989Q 9 AI	Alum. 3	31640T 4 AI	Alum. N/	N/A		N/A	N/A	N/A	809664A 1	809662T
120/140	1970 - 1977	2791957 - 4893634	N/A		55989T 3 M	Magn. 3	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	809664A 1	809662T
120/140	1978 - 1982	4893635 - 6225576	N/A		55989Q 9 AI	Alum. 3	31640T 4 AI	Alum. 3	34127T 2	Zinc	N/A	N/A	N/A	809664A 1	809662T
120/140	1978 - 1982	4893635 - 6225576	N/A		55989T 3 M	Magn. 3	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	809664A 1	809662T
160	1967 - 1969	2065190 - 2763441	34762A 1	Zinc	N/A	ĸ	34127T 2 Zi	Zinc N/	N/A		N/A	N/A	N/A	N.L.A.	809662T
165	1970 - 1977	2763442 - 4890459	N/A		55989Q 9 AI	Alum. 3	34127T 2 Zi	Zinc N/	N/A		N/A	N/A	N/A	809664A 1	809662T
165	1978 - 1981	4890460 - 6268064	N/A		55989Q 9 AI	Alum. 3	31640T 4 AI	Alum. 3,	34127T 2	Zinc	N/A	N/A	N/A	809664A 1	809662T
165	1978 - 1981	4890460 - 6268064	N/A		55989T 3 M	Magn. 3	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	809664A 1	809662T
=	1962 - 1967	1474909 - 2278488	N/A		N/A	3	31640T 4 AI	Alum. N/	NA		N/A	N/A	N/A	N.L.A.	80966T
=	1962 - 1967	1474909 - 2278488	N/A		N/A	6	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	N.L.A.	1999608
11 (1.78:1)	1969	2507945 - 2671321	N/A		N/A	8	31640T 4 AI	Alum. N/	N/A		N/A	N/A	N/A	N.L.A.	80966ET
11 (1.78:1)	1969	2507945 - 2671321	N/A		N/A	8	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	N.L.A.	809666T
Ξ	1968 - 1969	2373127 - 3002613	34762A 1	Zinc	N/A	κ'n	34127T 2 Zi	Zinc N/	N/A		N/A	N/A	N/A	N.L.A.	809670T
215E	1970 - 1972	2909035 - 2915034	34762A 1	Zinc	N/A	က	31640T 4 AI	Alum. N/	N/A		N/A	N/A	N/A	N.L.A.	T079608
215E	1970 - 1972	2909035 - 2915034	34762A 1	Zinc	N/A	co	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	N.L.A.	809670T
215H	1970	2782203 - 2909034	34762A 1	Zinc	N/A	κ'n	34127T 2 Zi	Zinc N/	N/A		N/A	N/A	N/A	N.L.A.	T079608
225-S	1974	3856268 - 4200499	N/A		55989Q 9 AI	Alum. 3	31640T 4 AI	Alum. 3	34127T 2	Zinc	N/A	N/A	N/A	809664A 1	809662T
225-S	1974	3856268 - 4200499	N/A		55989T 3 M	Magn. 3	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	809664A 1	809662T
228	1977 - 1982	4782330 - 6229157	N/A		55989Q 9 AI	Alum. 3	31640T 4 AI	Alum. 3,	34127T 2	Zinc	N/A	N/A	N/A	809664A 1	809662T
228	1977 - 1982	4782330 - 6229157	N/A		55989T3 M	Magn. 3	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	809664A 1	809662T
233	1975 - 1977	4200500 - 4782329	N/A		55989Q 9 AI	Alum. 3	31640T 4 AI	Alum. 3.	34127T 2	Zinc	N/A	N/A	N/A	809664A 1	809662T
233	1975 - 1977	4200500 - 4782329	N/A		55989T3 M	Magn. 3	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	809664A 1	809662T
250	1977	4791300 - 4898729	N/A		55989Q 9 AI	Alum. 3	31640T 4 AI	Alum. N/	N/A		N/A	N/A	N/A	809664A 1	809662T
250	1977	4791300 - 4898729	N/A		55989T 3 M	Magn. 3	31640T 6 M	Magn. N/	N/A		N/A	N/A	N/A	809664A 1	809662T

Model Ye	Year Range	Serial # Range	Gimbal Anodic Pate	Mat.	Gimbal Anodic N Bolt Head	Mat. A	Anodic trim M Tab/ Plate	Mat.	Anodic Trim Mat. Tab (Opt.)		D/S Hsg. Mat. Anodic Plate	Trim Cylinder Anode	Mat.	Bearing Carrier Mat. Anode	Anodic Prop Nut Kit	p Prop Nut Anode Only
II-TR 19	1973 - 1976	3377316 - 4794899	34762A 1	Zinc	N/A		31640T 4 A	Alum.	N/A	N/A		N/A		N/A	N.L.A.	T079608
11-TR 19	1973 - 1976	3377316 - 4794899	34762A 1	Zinc	N/A	.,	31640T 6 N	Magn.	N/A	A/N		N/A		N/A	N.L.A.	T079608
255-TRS 19	1973 - 1974	3377316 - 4203749	34762A 1	Zinc	N/A	.,	31640T 4 A	Alum.	N/A	N/A		N/A		N/A	809664A 1	809662T
255-TRS 19	1973 - 1974	3377316 - 4203749	34762A 1	Zinc	N/A	.,	31640T 6 N	Magn.	N/A	N/A		N/A		N/A	809664A 1	809662T
260 19	1978 - 1982	4898730 - 6229157	N/A		55989Q 9 A	Alum.	31640T 4 A	Alum.	34127T 2 Zinc	IC N/A		N/A		N/A	809664A 1	809662T
260 19	1978 - 1982	4898730 - 6229157	N/A		55989T 3 N	Magn.	31640T 6 N	Magn.	N/A	N/A		N/A		N/A	809664A 1	809662T
	1975 - 1976	4203750 - 4895399	34762A 1	Zinc	N/A	.,	31640T 4 A	Alum.	N/A	N/A		N/A		N/A	809664A 1	809662T
280-TRS 19	1975 - 1976	4203750 - 4895399	34762A 1	Zinc	N/A	.,	31640T 6 N	Magn.	N/A	A/N		N/A		N/A	809664A 1	809662T
470 19	1976 - 1882	4208730 - 6225576	N/A		55989Q 9 A	Alum.	31640T 4 A	Alum.	34127T 2 Zinc	IC N/A		N/A		N/A	809664A 1	809662T
470 19	1976 - 1882	4208730 - 6225576	N/A		55989T 3 N	Magn.	31640T 6 N	Magn.	N/A	A/A		N/A		N/A	809664A 1	809662T
485 19	1980 - 1982	5487437 - 6225576	N/A		55989Q 9 A	Alum.	31640T 4 A	Alum.	34127T 2 Zinc	IC N/A		N/A		N/A	809664A 1	809662T
485 19	1980 - 1982	5487437 - 6225576	N/A		55989T 3 N	Magn.	31640T 6 N	Magn.	N/A	A/A		N/A		N/A	809664A 1	809662T
19	1971 - 1977	3106717 and up	N/A		55989Q 9 A	Alum.	31640T 4 A	Alum.	34127T 2 Zinc	IC N/A		N/A		N/A	809664A 1	809662T
888 19	1971 - 1977	3106717 and up	N/A		55989T 3 N	Magn.	31640T 6 N	Magn.	N/A	A/N		N/A		N/A	809664A 1	809662T
R/MR/Alpha One 19	1983 - 1989	6225577 - 0D469858	821631T 1	Alum.	55989Q 9 A	Alum.	31640T 4 A	Alum.	34127T 2 Zinc	ic N/A		N/A		N/A	809664A 1	809662T
R/MR/Alpha One 19	1983 - 1989	6225577 - 0D469858	821631T3	Magn.	55989T 3 N	Magn.	31640T 6 N	Magn.	N/A	N/A		N/A		N/A	809664A 1	809662T
Alpha One (Gen.II) 19	1991 - 2019	0D469859 and up	821631T1	Alum.	N/A		76214T 5 A	Alum.	31640T 4 Alum.		821629T 1 Alum.	806189Т 1	Alum.	806105T 1 Alum.	809664A 1	809662T
Alpha One (Gen.II) 19	1991 - 2019	0D469859 and up	821631T3	Magn.	N/A		76214A 6 N	Magn.	31640T 6 May	Magn. 8216	821629A 2 Magn.	806189A 2	Magn.	N.L.A. Magn.	809664A 1	809662T
Alpha One SS 19	1986 - 1989	0A545004 and up	N/A		55989Q 9 A	Alum. 8	822777T 1 A	Alum.	N/A	N/A		N/A		N/A	809664A 1	809662T
Alpha One SS 19	1986 - 1989	0A545004 and up	N/A		55989Q 9 N	Magn. 8	822777A 2 N	Magn.	N/A	A/A		N/A		N/A	809664A 1	809662T
Vazer 20	2007 - 2008	0W995000 and up	N.L.A.	Alum	N/A		76214 4 A	Alum.	N/A	N.L.A.	Ą	806190T 1	Alum.	806105T 1 Alum.	809664A 1	809662T
Bravo One 19	1988 - 2019	0B664190 and up	821631T1	Alum.	N/A		76214T 5 A	Alum.	N/A	8216	821630T 1 Alum.	806190T 1	Alum.	806188Q01 Alum.	809664A 1	809662T
Bravo One 19	1988 - 2019	0B664190 and up	821631T3	Magn.	N/A		76214A 6 N	Magn.	N/A	8216	821630A 2 Magn.	806190A 2	Magn.	806188A 2 Mag.	809664A 1	809662T
Bravo Two 19	1989 - 2019	0C564952 and up	821631T1	Alum.	N/A		76214T 5 A	Alum.	N/A	8216	821630T 1 Alum.	806190T 1	Alum.	806188Q01	N.L.A.	T079608
Bravo Two 19	1989 - 2019	0C564952 and up	821631T3	Magn.	N/A		76214A 6 N	Magn.	N/A	8216	821630A 2 Magn.	806190A 2	Magn.	N/A	N.L.A.	809670T
Bravo Three 19	1993 - 2001	0D763691 - 0M179452	821631T 1	Alum.	N/A	·	76214T 5 A	Alum.	76214 4 Alum.		821630T 1 Alum.	806190T 1	Alum.	N/A Alum.	809666A02	809666T
Bravo Three 19	1993 - 2001	0D763691 - 0M179451	821631T 3	Magn.	N/A		76214A 6 N	Magn.	76214 6 Mag	Magn. 8216	821630A 2 Magn.	806190A 2	Magn.	N/A Magn.	809666A03	809666T01
Bravo Three 20	2002 - 2019	0M179453 and up	821631T1	Alum.	N/A		76214T 5 A	Alum.	76214 4 Alum.		821630T 1 Alum.	806190T 1	Alum.	N/A Alum.	N/A	865182Q01
Bravo Three 20	2002 - 2019	0M179453 and up	821631T3	Magn.	N/A		76214A 6 N	Magn.	76214 6 May	Magn. 8216	821630A 2 Magn.	806190A 2	Magn.	N/A Magn.	N/A	865182A02
Blackhawk 19	1994 - 1995	0F186717 and up	N/A		N/A	ω	806187A 1 A	Alum.	N/A	N/A		806190T 1	Alum.	N/A	N/A	N/A
SSM II/III/IV 19	1982 - 1995		34762A 1	Zinc	N/A	_	N/A		N/A	N/A		N/A		N/A	N/A	N/A
SSM VIVII 19	1990 - 1995		848653T	Alum.	N/A	ω		Alum.	N/A	N/A		N/A		N/A	N/A	N/A
TR 19	1977 - 1987	4794900 and up	34762A 1	Zinc	N/A	.,	31640T 4 A	Alum.	N/A	N/A		N/A		N/A	N.L.A.	809670T
TR 19	1977 - 1987	4794900 and up	34762A 1	Zinc	N/A	- ,	31640T 6 N	Magn.	N/A	N/A		N/A		N/A	N.L.A.	809670T
	1977 - 1987	4794900 and up	34762A 1	Zinc	N/A	.,		Alum.	N/A	N/A		N/A		N/A	809664A 1	809662T
TRS 19	1977 - 1987	4794900 and up	34762A 1	Zinc	N/A	.,	31640T 6 N	Magn.	N/A	N/A		N/A		N/A	809664A 1	809662T

#### **ANODE CHARTS - ACCESSORIES AND INBOARD**

#### **Closed Cooling Anodes**

Model	Year Range	Anode	Mat.	Size
120/140/165	1972 - 1982	54-808112	Zinc	1-1/2 inch X 1/2 inch anode w/ 3/8 inch pipe plug
888/215/225	1972 - 1977	54-808112	Zinc	1 1/2 inch X 1/2 inch anode w/ 3/8 inch pipe plug
233/255	1973 - 1977	54-808112	Zinc	1 1/2 inch X 1/2 inch anode w/ 3/8 inch pipe plug
255/280 (G.M.)	1975 - 1977	54-808112	Zinc	1 1/2 inch X 1/2 inch anode w/ 3/8 inch pipe plug
325/350	1972 - 1976	54-808112	Zinc	1 1/2 inch X 1/2 inch anode w/ 3/8 inch pipe plug
888/215	1971	N.L.A.	Zinc	1 3/4 inch X 3/8 inch anode w/ 1/4 inch pipe plug
325/350	1971	N.L.A.	Zinc	1 3/4 inch X 3/8 inch anode w/ 1/4 inch pipe plug
7.3L V-8 Diesel	1993 - 1995	54-808112	Zinc	2 inch X 1/2 inch anode with 3/8 inch pipe plug
530/636 Diesel	1989	879194217	Zinc	3/4 inch X 3/4 inch anode only
D183/D219 Diesel	1990 - 1993	879194217	Zinc	3/4 inch X 3/4 inch anode only
D254 Diesel	1990 - 1993	879194217	Zinc	3/4 inch X 3/4 inch anode only
D3.0/D3.6L Diesel	1994 - 1995	879194217	Zinc	3/4 inch X 3/4 inch anode only
D4.2L Diesel	1994 - 1995	879194217	Zinc	3/4 inch X 3/4 inch anode only

#### TRANSOM ASSEMBLY - ALPHA

#### TRANSOM ASSEMBLY



6-6010000CP

1990 & older Alpha One

#### 6010000DP

1991-1993 Alpha One Gen II

#### 6-6111002LP

1994-2016 Alpha One Gen II

#### 6-61000002P

Alpha One Gen II - Digital. Mercury 4.5L V6 Engine

#### TRANSOM ASSEMBLY - BRAVO

#### TRANSOM ASSEMBLY



6-**6311002NZ**Bravo, Magnum

Used with 4.3L, 5.0L 350, 357, 377, 383, 5.7L, 6.2L non-DTS engines

#### 6-62000010P

Bravo, Digital.

Used with 4.5, 6.2L (2016 and newer), 8.2L, 8.2L H.O. & DTS engines.

#### 6-6315002TP

Bravo, SmartCraft

Used with 496 & 496 H.O.

#### 6-6345002TP

Bravo, Magnum - Axius Gen I

Used with 5.0L, 350 Mag, 377 Mag, 496 & HO MPI engines w/ Axius Gen I steering

#### TRANSOM ASSEMBLY



#### 6-6511002NZ

Bravo, Heavy Duty (w/o sender)
Used with Racing Products engines

#### 6-620000091

Bravo, Heavy Duty w/ digital sender Used with Racing Products engines

#### TRANSOM ASSEMBLY - BRAVO (SEACORE)

#### TRANSOM ASSEMBLY



#### 6-6911002TP

Bravo, Magnum - Seacore

Used with SeaCore 4.3L, 5.0L, 350, & 377 non-DTS engines

#### 6-62000012P

Bravo, Digital, SeaCore

Used with SeaCore 4.5L, 6.2L (2016 & newer), 8.2L, 8.2L H.O. & DTS engines

#### 6-6A15002TP

Bravo, SmartCraft - Seacore

Used with SeaCore 496 & 496 H.O. engines

#### TRANSOM ASSEMBLY

Image not Available.

#### 6-6A45002TP

Bravo, SmartCraft - SeaCore Axius Gen I

#### STERNDRIVES - ALPHA ONE

NOTE: When using the Alpha One Sterndrive Assembly as a replacement on earlier (pre 1983) 4 & 6 cylinder inline models, it will be necessary to replace the standard yoke with a short U-joint yoke. This yoke is not included and must be removed from the old unit.

#### **ALPHA ONE STERNDRIVE**



#### 5-5010130CP

Alpha One 1.30 ratio

Standard Rotation (RH)

#### 5-5010147CP

Alpha One

1.47 ratio Standard Rotation (RH)

#### 5-5010162CP

Alpha One 1.62 ratio

Standard Rotation (RH)

#### 5-5010181CP

Alpha One

1.81 ratio Standard Rotation (RH)

#### 5-5010194CP

Alpha One

1.94 ratio Standard Rotation (RH)

#### STERNDRIVES - ALPHA ONE GEN II

#### **ALPHA ONE GEN II STERNDRIVE**



#### 5-5121200TP

Alpha One Gen II 1.47 ratio

Standard Rotation (RH)

#### 5-5111200TP

Alpha One Gen II

1.47 ratio Counter Rotation (LH)

#### 5-5121300TP

Alpha One Gen II

1.62 ratio Standard Rotation (RH)

#### 5-5111300TP

Alpha One Gen II 1.62 ratio

Counter Rotation (LH)

#### 5-5121400TP

Alpha One Gen II 1.81 ratio

Standard Rotation (RH),

#### 5-5111400TP

Alpha One Gen II 1.81 ratio

Counter Rotation (LH)

#### 5-5121600TP

Alpha One Gen II 2.00 ratio

Standard Rotation (RH)

#### 5-5111600TP

Alpha One Gen II 2.00:1 Ratio

Counter Rotation (LH)

(s/n 0W535509 and below)

#### 5-5121700TP

Alpha One Gen II

2.40 ratio

Standard Rotation (RH)

#### STERNDRIVES - BRAVO ONE (CLASSIC)

Brand new and fresh from the factory, the classic Bravo sterndrive look is still available on selected p/n's. They feature all of the latest improvements to the cone clutch and machining improvements that make Bravo sterndrives best in class for shift smoothness and durable

performance.

If the specific drive you are looking for is not listed, please refer to MerCruiser Service Bulletin 2005-11 for alternate options.

#### **BRAVO ONE STERNDRIVE**



#### 5-5231200NP

Bravo One

1.50 ratio with dual water pickup

(s/n 0W249999 and below)

#### STERNDRIVES - BRAVO ONE

#### **BRAVO ONE STERNDRIVE**



#### 5-5231100TP

Bravo One

1.36 ratio with dual water pickup (s/n 0W250000 & up)

#### **MERCRUISER**

#### 5-5231200TP

Bravo One 1.50 ratio with dual water pickup (s/n 0W250000 and up)

#### 5-5231300TP

Bravo One

1.65 ratio with dual water pickup (s/n 0W250000 and up)

#### 5-5237100TP

Bravo One X

1.36 ratio with dual water pickup (s/n 0W250000 and up)

#### 5-5237200TP

Bravo One X 1.50 ratio with dual water pickup (s/n 0W250000 and up)

#### 5-5237300TP

Bravo One X

1.65 ratio with dual water pickup (s/n 0W250000 and up)

#### **BRAVO ONE STERNDRIVE**

Image not Available.

#### 5-5E31900UP

Bravo One XR 1.35 ratio with dual water pickup (s/n 0W240000 and up)

#### **BRAVO ONE STERNDRIVE**



#### 5-5E31200UP

Bravo One XR 1.50 ratio with dual water pickup (s/n 0W240000 and up)

#### **STERNDRIVES - BRAVO ONE (SEACORE)**

#### **BRAVO ONE STERNDRIVE**



#### 5-5J31200TP

Bravo One - SeaCore 1.50 ratio with dual water pickup

#### 5-5J31300TP

Bravo One - SeaCore 1.65 ratio with dual water pickup

#### 5-5J37200TP

Bravo One X - SeaCore 1.50 ratio with dual water pickup

#### 5-5J37300TP

Bravo One X - SeaCore 1.65 ratio with dual water pickup

#### **STERNDRIVES - BRAVO TWO (CLASSIC)**

Brand new and fresh from the factory, the classic Bravo sterndrive look is still available on selected p/n's. They feature all of the latest improvements to the cone clutch and machining improvements that make Bravo sterndrives best in class for shift smoothness and durable performance.

If the specific drive you are looking for is not listed, please refer to MerCruiser Service Bulletin 2005-11 for alternate options.

#### **BRAVO TWO STERNDRIVE**



#### 5-5331600LP

Bravo Two 2.00 ratio

(s/n 0W249999 and below)

#### **STERNDRIVES - BRAVO TWO**

#### **BRAVO TWO STERNDRIVE**



#### 5-5331200TP

Bravo Two

1.50 ratio

(s/n 0W250000 and up)

#### 5-5331400TP

Bravo Two

1.81 ratio

(s/n 0W250000 and up)

#### 5-5331600TP

Bravo Two 2.00 ratio

(s/n 0W250000 and up)

#### 5-5331500TP

Bravo Two

2.20 ratio (s/n 0W250000 and up)

#### 5-5337400TP

Bravo Two X

1.81 ratio

(s/n 0W250000 and up)

#### 5-5337600TP

Bravo Two X 2.00 ratio

(s/n 0W250000 and up)

#### 5-5337500TP

Bravo Two X 2.20 ratio

(s/n 0W250000 and up)

#### STERNDRIVES - BRAVO TWO (SEACORE)

#### **BRAVO TWO STERNDRIVE**



5-5K31600TP

Bravo Two - SeaCore 2.00 ratio

#### 5-5K31500TP

Bravo Two - SeaCore 2.20 ratio

#### 5-5K37400TP

Bravo Two X - SeaCore 1.81 ratio

#### 5-5K37600TP

Bravo Two X - SeaCore 2 00 ratio

#### STERNDRIVES - BRAVO THREE (CLASSIC)

Brand new and fresh from the factory, the classic Bravo sterndrive look is still available on selected p/n's. They feature all of the latest improvements to the cone clutch and machining improvements that make Bravo sterndrives best in class for shift smoothness and durable performance.

performance.
If the specific drive you are looking for is not listed, please refer to MerCruiser Service Bulletin 2005-11 for alternate options.

#### **BRAVO THREE STERNDRIVE**



5-5441400LP

Bravo Three 1 81 ratio

(s/n 0W249999 and below)

#### 5-5441600LP

Bravo Three 2.00 ratio

(s/n 0W249999 and below)

#### 5-5441500LP

Bravo Three 2.20 ratio

(s/n 0W249999 and below)

#### **STERNDRIVES - BRAVO THREE**

#### **BRAVO THREE STERNDRIVE**



#### 5-5441200TP

Bravo Three

1.50 ratio

(s/n 0W250000 and up)

#### 5-5441400TP

Bravo Three 1.81 ratio

(s/n 0W250000 and up)

#### 5-5441600TP

Bravo Three

2.00 ratio

(s/n 0W250000 and up)

#### 5-5441500TP

Bravo Three 2.20 ratio

(s/n 0W250000 and up)

#### 5-5441700TP

Bravo Three

2.43 ratio

(s/n 0W250000 and up)

#### 5-5447400TZ

Bravo Three X, dual water pickup

1.81 ratio

(s/n 0W250000 and up)

#### 5-5447600TZ

Bravo Three X, dual water pickup

2.00 ratio

(s/n 0W250000 and up)

#### 5-5447500TZ

Bravo Three X, dual water pickup

2.20 ratio

(s/n 0W250000 and up)

#### 5-5H41300UP

Bravo Three XR, dual water pickup

1.65 ratio

(s/n 0W240000 and up)

#### **BRAVO THREE STERNDRIVE**

Image not Available.

#### 5-5H41400UP

Bravo Three XR, dual water pickup

1.81 ratio

(s/n 0W240000 and up)

#### **BRAVO THREE STERNDRIVE**



5-5H41600TZ

Bravo Three XR, dual water pickup (s/n 0W240000 and up)

#### STERNDRIVES - BRAVO THREE (SEACORE)

#### **BRAVO THREE STERNDRIVE**



5-5L41300TP

Bravo Three - SeaCore

1.65 ratio

5-5L41400TP

Bravo Three - SeaCore

1.81 ratio

5-5L41600TP

Bravo Three - SeaCore

2.00 ratio

5-5L41500TP

Bravo Three - SeaCore

2.20 ratio

5-5L41700TP

Bravo Three - SeaCore

2.43 ratio

5-5L47400TP

Bravo Three X - SeaCore 1.81 ratio

5-5L47600TP

Bravo Three X - SeaCore

2.00 ratio

5-5L47500TP

Bravo Three X - SeaCore 2.20 ratio

5-5M41600TP

Bravo Three XR - SeaCore 2.00 ratio

#### **DRIVESHAFT HOUSINGS - COMPLETE**

NOTE: When using the Alpha One Driveshaft Housing Assembly as a replacement on earlier (pre 1983) 4 & 6 cylinder inline models, if will be necessary to replace the standard yoke with a short U-joint yoke (p/n 39385A 1). This yoke is not included and must be removed from the old unit or ordered separately.

#### **ALPHA ONE DRIVESHAFT HOUSING - COMPLETE**



1547- 9412A19

1.32 ratio

Fits MC-I, R, MR & Alpha One

1547- 9412A20

1.50 ratio

Fits MC-I, R, MR & Alpha One

1547- 9412A21

1.65 ratio

Fits MC-I, R, MR & Alpha One

1547- 9412A22

1.84 ratio

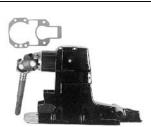
Fits MC-I, R, MR & Alpha One

1547- 9412A23

1.98 ratio

Fits MC-I, R, MR & Alpha One

#### **ALPHA ONE GEN II DRIVESHAFT HOUSING -**COMPLETE



#### 1547-861063A12

1.47 ratio

Fits Alpha One Gen II

1547-861063A10

1.62 & 2.00 ratios

Fits Alpha One Gen II 1547-861063A 8

1.81 ratio

Fits Alpha One Gen II

1547-861063A 6

1.94 & 2.40 ratio

Fits Alpha One Gen II

#### **BRAVO DRIVESHAFT HOUSING - COMPLETE**



#### 1589-863836A50

Fits Bravo I & Perf. (1.36), II (1.50 & 1.81) & III (1.36 & 1.81) (s/n 0D469909-0W249999)

#### 1589-863836A51

Fits Bravo I & Perf. (1.50), II (1.65 & 2.00) & III (1.50, 1.65 & 2.00) (s/n 0D469920-0W249999)

#### 1589-863836A52

Fits Bravo I & Perf. (1.65), II (2.20) & III (2.20 & 2.43 ratio) (s/n 0W249999 & below)

#### 1589-863836A66

Fits Bravo I X & XZ (1.36), II X (1.50 & 1.81) & III X (1.36 & 1.81) (s/n 0M100001-0W249999)

#### 1589-863836A67

Fits Bravo I X & XZ (1.50), II X (1.65 & 2.00) & III X (1.50, 1.65 & 2.00) (s/n 0M100001-0W249999)

#### 1589-863836A56

Fits Bravo I XR (s/n 0M100001-0W239999)

#### **BRAVO DRIVESHAFT HOUSING - COMPLETE**



#### 1589-865440H50

Fits Bravo I (1.36), II (1.50) & III (1.36) (s/n 0W250000 and up)

#### 1589-865440H51

Fits Bravo I (1.50), II (1.65 & 2.00) & III (1.65 & 2.00) (s/n 0W250000 and up)

#### 1589-865440H52

Fits Bravo I (1.65), II (2.20) & III (2.20 & 2.43 ratio) (s/n 0W250000 and up)

#### 1589-865440H01

Fits Bravo II (1.81) & III (1.81) (s/n 0W250000 and up)

#### 1589-865440H02

Fits Bravo III (1.50) (s/n 0W250000 and up)

## BRAVO SEACORE DRIVESHAFT HOUSING - COMPLETE

#### 1500-866458J01

SeaCore

Fits Bravo I (1.36), II (1.81) & III (1.36)

#### 1500-866458J02

SeaCore

Fits Bravo I (1.50), II (2.00) & III (1.65 & 2.00)

#### 1500-866458J03

SeaCore

Fits Bravo I (1.65), II (2.20) & III (2.20 & 2.43 ratio)

#### 1500-866458J04

SeaCore

Fits Bravo II (1.81) & III (1.81)

#### **BRAVO X DRIVESHAFT HOUSING - COMPLETE**



#### 1589-865440H66

Fits Bravo I X (1.36), II X (1.50 & 1.81) & III X (1.36 & 1.81) (s/n 0W250000 and up)

#### 1589-865440H67

Fits Bravo I X (1.50), II X (1.65 & 2.00) & III X (1.50, 1.65 & 2.00) (s/n 0W250000 and up)

#### 1589-865440H68

Fits Bravo I X (1.65), II X (2.20) & III X (2.20 & 2.43) (s/n 0W250000 and up)

#### 1589-865440H56

Fits Bravo I XR (s/n 0W240000 and up)

#### 1589-865440H73

Fits Bravo I XR with integrated transom (s/n 0W240000 and up)

## BRAVO X SEACORE DRIVESHAFT HOUSING - COMPLETE

1500-866459J01

SeaCore

Fits Bravo I X (1.36), II X (1.50 & 1.81) & III X (1.36 & 1.81)

#### 1500-866459J02

SeaCore

Fits Bravo I X (1.50), II X (1.65 & 2.00) & III X (1.50, 1.65 & 2.00)

#### 1500-866459J03

SeaCore

Fits Bravo I X (1.65), II X (2.20) & III X (2.20)

#### 1500-866459J04

SeaCore

Fits Bravo III XR (2.00)

#### **DRIVESHAFT HOUSINGS - BASIC**

#### ALPHA ONE GEN II DRIVESHAFT HOUSING



#### 1547-861063A 4

Fits Alpha One Gen II (s/n 0L100040 and up)

#### **BRAVO DRIVESHAFT HOUSING**



1589- 8868A15

Fits Bravo I (s/n 0B664190-0D469908)

1589- 8868G21

Fits Bravo I (s/n 0D469909 - 0L999999) Fits Bravo II (s/n 0B664190 - 0L999999) Fits Bravo III (s/n 0D784124 - 0L999999)

1589-864571A72

Fits Bravo I/II/III (s/n 0M100001-0W249999)

1589-864571A70

Fits Bravo I/II/III X & XR/XZ (s/n 0M100001-0W239999)

#### **BRAVO DRIVESHAFT HOUSING**



1589-865440H72

Fits Bravo I/II/III (s/n 0W250000 and up)

1500-866458J00

SeaCore

Fits Bravo I/II/III

#### **BRAVO DRIVESHAFT HOUSING**



1589-865440H70

Fits Bravo I/II/III X & XR (s/n 0W240000 and up)

1500-866459J00

SeaCore

Fits Bravo I/II/III X & XR

#### **GEAR HOUSINGS - COMPLETE**

#### **ALPHA ONE GEAR HOUSING - COMPLETE**



1623- 8951A43

Standard Rotation (RH)

Fits R, MR & Alpha One

1623- 8951A33

Counter Rotation (LH) Fits MR & Alpha One

#### ALPHA ONE GEN II GEAR HOUSING - COMPLETE



#### 1623-815822A53

1.47, 1.62, 1.81 & 1.94 ratio Standard Rotation (RH)

Fits Alpha One Gen II

#### 1623-815822A47

1.47, 1.62, 1.81 & 1.94 ratio Counter Rotation (LH)

Fits Alpha One Gen II

#### 1623-815822A55

2.00 & 2.40 ratio Standard Rotation (RH)

Fits Alpha One Gen II

#### 1623-815822A52

2.00 ratio Counter Rotation (LH)

Fits Alpha One Gen II

#### **BRAVO ONE GEAR HOUSING - COMPLETE**



1656- 8866A63

With dual water pickup 1.36, 1.50 & 1.65 ratio

Fits Bravo I (s/n 0D649909 & up) & I X drives

#### 1656- 8866J01

SeaCore With dual water pickup 1.36, 1.50 & 1.65 ratio

Fits Bravo I & I X drives

1656- 8866A83 With heavy duty propshaft and dual water pickup

Fits Bravo I XR (1.35)

1656- 8866A62

With heavy duty propshaft and dual water pickup Fits Bravo I XR (1.50) & XZ (1.36 & 1.50)

#### **BRAVO ONE GEAR HOUSING - COMPLETE**



1656- 8866A80

With heavy duty propshaft and low water pickup

Fits Bravo I XR (1.26)

#### **BRAVO TWO GEAR HOUSING - COMPLETE**



#### 1641- 8294A19

1.50 & 1.65 ratio

Fits Bravo II (s/n 0D469920 & up) & II X

#### 1641- 8294A16

1.81, 2.00 & 2.20 ratio

Fits Bravo II (s/n 0D469920 & up) & II X

#### 1641- 8294J02

SeaCore 1.65 ratio

Fits Bravo II X

#### 1641- 8294J01

SeaCore 1.81, 2.00 & 2.20 ratio

Fits Bravo II & IIX

#### **BRAVO THREE GEAR HOUSING - COMPLETE**



#### 1656- 8866G07

1.36 & 1.50 ratio

Fits Bravo III (s/n 0D784124 and up) & III X

#### 1656-8M0046733

1.36 & 1.50 ratio, dual water pickup

Fits Bravo III X (s/n 0W240000 & up)

#### 1656- 8866G08

1.65 ratio

Fits Bravo III (s/n 0D784124 and up) & III X. Also fits Bravo III XR - 1.65 ratio (0W240000 & up)

#### 1656-8M0046735

1.65 ratio, dual water pickup

Fits Bravo III X/XR (s/n 0W240000 & up)

#### 1656-8M0046738

1.81, 2.00 & 2.20 ratio, dual water pickup

Fits Bravo III X (s/n 0W240000 & up). Also fits Bravo III XR - 2.00 ratio (0W240000

#### 1656- 8866G10

2.43 ratio

Fits Bravo III (s/n 0D784124 and up) & III X

#### 1656-8M0046682

2.43 ratio, dual water pickup

Fits Bravo III X (s/n 0W0240000 & up)

#### 1656-8M0046831

1.81 ratio, dual water pickup

Fits Bravo III XR (s/n 0W240000 and up)

#### 1656- 8866J08

SeaCore 1.36 & 1.50 ratio

Fits Bravo III X

#### 1656- 8866J24

SeaCore

1 65 ratio

Fits Bravo III & III X

#### 1656- 8866J09

SeaCore 1.81, 2.00 & 2.20 ratio

Fits Bravo III & III X. Also fits Bravo III XR - 2.00 ratio

#### 1656- 8866J07

SeaCore

1.81ratio

Fits Bravo III XR - 1.81 ratio

#### 1656- 8866J25

SeaCore 2.43 ratio

Fits Bravo III

## **GEAR HOUSINGS - BASIC**

#### MC-I/R GEAR HOUSING



1623- 5356A 4 Fits MC-I & R drives

#### **ALPHA ONE GEAR HOUSING**



1623- 8951A37 Standard Rotation (RH) Fits MR & Alpha One

1623- 8951A39 Counter Rotation (LH) Fits MR & Alpha One

#### ALPHA ONE GEN II GEAR HOUSING



1623-815822A30

Standard Rotation (RH)

Fits Alpha One Gen II (s/n 0D469859-0F679999)

1623-815822A28

Counter Rotation (LH)

Fits Alpha One Gen II (s/n 0D469859-0F679999)

1623-815822A36

Standard or Counter Rotation

Fits Alpha One Gen II (s/n 0F680000 and up)

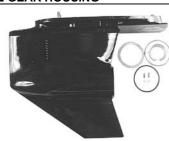
#### **BRAVO ONE GEAR HOUSING**



1656- 8866A11

Fits Bravo I (s/n 0D469908 & below)

#### **BRAVO ONE GEAR HOUSING**



1656- 8866A64

With dual water pickup

Fits Bravo I (s/n 0D469909 & up) & X/XR/XZ

1656- 8866J00

SeaCore With dual water pickup

Fits Bravo I & I X

#### **BRAVO TWO GEAR HOUSING**



1641- 8294A14

Fits Bravo II (s/n 0D469920 & up)

1641- 8294J00

SeaCore

Fits Bravo II & IIX

#### **BRAVO THREE GEAR HOUSING**



1656-8M0046683

Dual water pickup

Fits Bravo III (s/n 0D784124 and up)

1656- 8866J30

SeaCore With dual water pickup

Fits Bravo III

#### **ZF/HURTH 45C DIRECT ACROSS**

#### TRANSMISSION ASSEMBLY



#### 8M0139548

Completely dressed. Brand new ZF 45C Coaxial inboard transmission. Includes oil cooler, hoses, and mounting hardware. 4" output flange. Recommended for light boat applications (<5000#) with engines up to 350 HP @ 5000 RPM.

Replaces ZF 45C & Borg Warner 71C Series Direct Drive Transmission with 1.00 Gear Ratio on light boats using 5.7L, 6.2L, & 383 small block engines.

#### **ZF/HURTH 630A DOWN ANGLE TRANSMISSION**

#### TRANSMISSION ASSEMBLY



#### 896346701

Completely dressed, brand new Down-Angle Inboard Transmission. Includes oil cooler, hoses and mounting harware. Standard (right-hand) Rotation

Replaces ZF / Hurth HSW630A 1 Transmission with 1.50:1 Gear Ratio.

#### 896346702

Completely dressed, brand new Down-Angle Inboard Transmission. Includes oil cooler, hoses and mounting harware. Standard (right-hand) Rotation

Replaces ZF / Hurth HSW630A 1 Transmission with 2.00:1 Gear Ratio.

#### 896346703

Completely dressed, brand new Down-Angle Inboard Transmission. Includes oil cooler, hoses and mounting harware. Standard (right-hand) Rotation

Replaces ZF / Hurth HSW630A 1 Transmission with 2.50:1 Gear Ratio.

#### **ZF/HURTH 630 V-DRIVE TRANSMISSION**

#### TRANSMISSION ASSEMBLY



#### 896346707

Completely dressed, brand new V-Drive Inboard Transmission. Includes oil cooler, hoses and mounting harware. Standard (right-hand) Rotation

Replaces ZF / Hurth HSW630V1 Transmission with 1.50:1 Gear Ratio.

Completely dressed, brand new V-Drive Inboard Transmission. Includes oil cooler, hoses and mounting harware. Standard (right-hand) Rotation

Replaces ZF / Hurth HSW630V1 Transmission with 2.00:1 Gear Ratio.

Completely dressed, brand new V-Drive Inboard Transmission, Includes oil cooler. hoses and mounting harware. Standard (right-hand) Rotation

Replaces ZF / Hurth HSW630V1 Transmission with 2.50:1 Gear Ratio.

#### **BORG WARNER / VELVET DRIVE DIRECT-ACROSS**

#### TRANSMISSION ASSEMBLY



#### 896346729

Completely dressed. Brand new 71C Coaxial inboard transmission with 4 forward gear clutches. Includes oil cooler, hoses, and mounting hardware. 4" output flange. Recommended for light boat applications (<5000#) with engines up to 320

Replaces Borg Warner 71C Series Direct Drive Transmission with 1.00 Gear Ratio on light boats using 5.7L & 6.2L small block engines.

#### 8M0129098

Completely dressed. Brand new Quicksilver exclusive 6-PAK Heavy Duty 71C Coaxial inboard transmission machined for and assembled with 6 forward gear heavy duty clutches and increased clutch pressure. Includes oil cooler, hoses, and mounting hardware. 4" output flange. Recommended for heavy boat applications (5000-15,000#) with engines up to 450 HP @ 6000 RPM.

Replaces Borg Warner 71C Series Direct Drive Transmission with 1.00 Gear Ratio where heavy boat loading is required using 5.7L, 6.2L, & 383 small block engines.

#### 896346731

Completely dressed. Brand new Coaxial inboard transmission with 4 forward gear clutches. Íncludes oil cooler, hoses, and mounting hardware. 5" output flange. Recommended for heavy boat applications (5000-20,000#) with engines up to 450

Replaces Borg Warner 72C Series Direct Drive Transmission with 1.00 Gear Ratio using 6.2L or big block engines.

#### **MERCRUISER**

#### 896346732

Completely dressed. Brand new Coaxial inboard transmission with 4 forward gear clutches. Includes oil cooler, hoses, and mounting hardware. 5" output flange. Recommended for heavy boat applications (5000-20,000#) with engines up to 450 HP.

Replaces Borg Warner 72C Series Direct Drive Transmission with 1.50 Gear Ratio using 6.2L or big block engines.

## **BORG WARNER / VELVET DRIVE DOWN ANGLE**

#### TRANSMISSION ASSEMBLY



#### 896346736

Completely dressed, brand new Down-Angle Inboard Transmission. Includes oil cooler, hoses and mounting harware.

Replaces Borg Warner 5000A Series Transmission with 1.50:1 Gear Ratio.

#### **RACING**

## **OUTBOARD HD PROPSHAFT KITS**

Used to convert a standard outboard prop shaft to a heavy-duty application. Requires seal installation tool 91-840388.

#### **PROPSHAFT KIT**



#### 44-840450A03

Kits contains new propshaft, washers, lock nut and prop hub assembly. Fits 2.5L, left hand rotation outboards.

#### **PROPSHAFT KIT**



#### 44-840451A03

Kits contains new propshaft, washers, lock nut and prop hub assembly. Fits 2.5L, right hand rotation outboards.

#### **CYLINDER HEADS FOR 2.5 EFI DRAG**

DOES NOT include seal (858452--1) or o-ring (859772--1).

#### 27.9CC O-RING CYLINDER HEAD



#### 8M0050396

 $\mbox{O-Ring}$  sealed cylinder head replaces traditional head-gasket head. Provides greater head stability.

2.5 EFI Drag Cylinder Head. Equivalent to the 21CC gasketed drag race head.

#### CYLINDER HEAD WITH O-RINGS 849496T05

32.9CC O-ring sealed cylinder head replaces traditional head-gasket head. Provides greater head stability.

2.5 EFI Drag Cylinder Head. Stock Head.

#### 43.9CC O-RING CYLINDER HEAD

#### 8M0051522

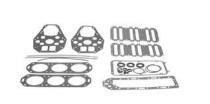
O-ring sealed cylinder head replaces traditional head-gasket head. Provides greater head stability.

Standard 2.5 EFI Drag Cylinder Head. Equivalent to the 2.5 EFI Champ race head. (Pump Gas)

#### 2.5L DRAG POWERHEADS

These products are sold "as is" with no warranty.

#### **GASKET SET**



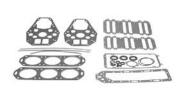
#### 27-814658A 6

Fits S3000 and Champ.

#### CHAMP/S3000

These products are sold "as is" with no warranty.

#### **GASKET SET**



#### 27-814658A 6

Fits S3000 and Champ.

#### CYLINDER HEADS FOR V-6 OUTBOARD

#### **CYLINDER HEAD**



#### 18787T 2

26 cc

Fits Mercury/Mariner XR2/SST 120

#### **CYLINDER HEAD**



#### 18789T04

38 cc

Fits Mercury/Mariner 2.5L - four bolt main block

#### **CYLINDER HEAD**



#### 900-8M0053744

26 cc

Fits Mercury/Mariner S3000/Drag

#### **CYLINDER HEAD**



#### 18787019

36.5 cc

Fits Mercury/Mariner Champ

#### **STATOR**

#### **STATOR**



#### 398- 9610A27

40 amp. Not for use with aluminum flywheels.
Fits Mercury Pro-Max and Mariner Super Magnum models only.

# HEAVY DUTY BATTERY CABLES FOR V-6 OUTBOARDS

Designed to replace standard battery cables. Includes both positive and negative cable complete with ring terminals.

#### **HEAVY DUTY BATTERY CABLES**



84-61378A 2

For use with Mercury/Mariner V-6 Outboards

#### **PLASTIC REED VALVES**

Designed specifically for high performance engines. Will withstand higher engine RPM without chipping.

#### **PLASTIC REED VALVES**



#### 34-14594A 2

Dual stage - 5 petal reeds. Set contains 2 primary and 2 secondary reeds, 6 sets required per engine

#### **PLASTIC REED VALVES**



#### 34-849484A 1

Single stage - 7 petal reeds. Set contains 2 reeds, 6 sets required per engine.

#### **PLASTIC REED VALVES**



#### 34-815242A 3

Dual stage - 7 petal reeds. Set contains 2 primary and 2 secondary reeds, 6 sets required per engine

#### **PLASTIC REED VALVES**



#### 34-14594A 3

Dual stage - 4 petal reeds. Rubber coated, set contains 2 primary and 2 secondary reeds, 6 sets required per engine

#### **ELECTRIC FUEL PUMPS**

#### **ELECTRIC FUEL PUMP**



#### 8M8026000

Bosch, pump only, use with 39 PSI regulator. Mercury Racing 2.5 EFI outboards.

#### **ELECTRIC FUEL PUMP**



848045A 7
Bosch, pump only, use with 56 PSI regulator

Fits 2.0, S3000, EFI Drag

#### **ELECTRIC FUEL PUMP**



#### 18018A 1

Holley pump assembly Fits SST 120, S2000 and 2.5L carburetor engines

#### **ELECTRIC FUEL PUMP**



840368A 1 Weldon pump assembly Fits 2.5 Drag, S3000,Champ and F1.

#### **FUEL PUMP ASSEMBLY COMPLETE QC4V**



#### 8M0058449

Fuel Pump Assembly
To be used on all QC4v engines

#### **FUEL PUMP MOTOR**



Motor for fuel pump assembly 8M0058449
Fuel pump motor for QC4v fuel pump

#### **FUEL PUMP COUPLER**



#### 8M6002741

Couples fuel pump motor to fuel pump body Couples fuel pump motor to fuel pump body

#### **FUEL FILTER ASSEMBLY**

#### **FUEL FILTER ASSEMBLY**



#### 35-8M0050833

Includes fuel filter, hose and adapter fitting. Used on all Mercury Racing EFI engines.

#### **SWITCHES AND ELECTRICAL COMPONENTS**

#### **ROCKER TRIM SWITCH**



#### 87- 61691

#### **LANYARD STOP SWITCH**



#### 87-856654A 2

3-1/2 in.(89 mm) wires, does not include cap. Normally closed switch Fits Mercury/Mariner outboards.

#### LANYARD STOP SWITCH



#### 87-856654A 1

Normally open switch

#### LANYARD STOP SWITCH CAP



#### 75095Q 2

Replacement cap for (65503A\_ and 856654A\_ series) Lanyard Stop Switches. Fits Mercury/Mariner outboards and MCM/MIE engines. Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **TOGGLE SWITCH - ON/OFF**



#### 87-66581

#### **TOGGLE SWITCH - MOMENTARY**



87- 66582

#### **PANEL & BOAT WIRING HARNESS**



76366T04

Boat Wiring Harness (Harness only - 84-93940A 2)

#### **DRIVESHAFT HOUSING ASSEMBLY -12 INCH**

#### **DRIVESHAFT HOUSING ASSEMBLY**



3526-821986A 1

12 in.(308 mm) race center Up/Down complete Fits Mercury Racing V-6 Outboards.

#### **DRIVESHAFT HOUSING ASSEMBLY**



8M0050993

12 in.(308 mm) race center housing only Fits Mercury Racing V-6 Outboards.

#### **TRIM PUMPS**

For Hydraulic Up/Down Race Center Sec.

#### TRIM PUMP KIT



818377A 2

Complete 12 volt horizontal pump with electric's, mounting bracket and attaching hardware

#### TRIM HOSES

Steel braided, 3/8-24 UNF, inverted flare/double flare both ends

#### TRIM HOSE



32-67032A12

12 in.(304 mm)

32-67032A24

24 in.(610 mm)

32-67032A36

36 in.(914 mm)

32-67032A48

48 in.(1219 mm)

32-67032A72

72 in.(1828 mm)

32-67032A96

96 in.(2438 mm)

#### **RIGGING ACCESSORIES**

#### **RIGGING TUBE KIT**



#### 32-842756T01

Mercury Racing version, the cowl fitting bolts firmly into place. Because the 2-1/2 inch tubing threads into the one piece couplers instead of over them, greater clearance is achieved for outboard rigging hardware including throttle cables, electronics cables, steering lines, and fuel lines. The durable hose and one piece couplers provide a complete seal at both the engine and boat ends. Hose length is 5 feet.

Fits all production 3.0 liter V-6 EFI and OptiMax cowls as well as Racing 3.0 liter OptiMax cowls.

#### 350 VERADO SNORKEL KIT



#### 8M8024668

For severe duty offshore applications requiring extra protection from water intrusion into the inlet tract. Attachs to the existing front air inlet scoop with block offs provided for the normal air ingress passages using a flange to attach tubing to the scoop and another flange to a dry air compartment forward of the transom.

Mercury 350 Verado outboards

## **OUTBOARD GEARCASE CANISTER KIT**

Relieves gear lube pressure build-up and prevents seal blow out. Kit is highly recommended for use with the IV SSM and VI SSM.

#### **OUTBOARD GEARCASE CANISTER KIT**



#### 821085A 3

For use with Mercury Racing Outboards with IV SSM and VI SSM gearcases

#### **FLUSHING KITS**

#### **FLUSHING KIT**



#### 849996T 1

Use for flushing gearcases with low water inlets/pick up. Fits MCM Bravo I Performance & BlackHawk drives

#### **FLUSHING KIT**



#### 843122T01

Designed specifically for the Mercury Racing Sport Master Gearcase. Mounts securely over the crescent-leading shape, providing water up through the low-water pick-ups.

Fits Mercury Racing Bravo I Sport Master

#### FLUSHING ATTACHMENT



#### 848703A 1

Fits Mercury Racing CLE gearcases. Engines may be run at idle speeds.

#### **FLUSHING ATTACHMENT**



#### 848998A 1

Fits Mercury Racing Sport Master gearcases. Engines may be run at idle speeds.

#### **FLUSHING ATTACHMENT**



#### 44357Q 2

Will allow for running at idle speeds. Attaches to the water intakes; provides a fresh water connection when flushing the cooling system or operating the engine. Fits Mercury/Mariner 20 hp. and higher outboards, 9.9/15 hp. FourStroke (323cc) Bigfoot outboards, all Model Year 2005 and Newer 8/9.9 hp. Four Stroke outboards, 15 hp. FourStroke (351cc) outboards, all MerCruiser Sterndrives (except Bravo One Perf. & Blackhawk) and MHP Torque Master gearcases. Note: 2000 and newer V-6 outboards and MerCruiser Bravo drives with dual water pick-up also require Dual Water Pick-Up Flush Seal Kit p/n 881150Q 1. Priced individually, sold @ multiples of 4

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **DUAL WATER PICKUP FLUSH SEAL KIT**



#### 881150Q 1

Provides a front water pick-up seal for gearcases with dual water pick-ups Fits 2000 and newer Mercury/Mariner V-6 outboards with dual water pick-ups; and 2000 and newer MerCruiser Bravo One, X, XR & XZ drives with dual water pick-ups.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **GEARCASE CHARTS - OUTBOARD 2.5L MODEL**

#### 2.5L Sport Master Gearcase With Torque Tab

Ratio	Rotation	TorqueTab	Shaft Length	Part Number	Service Housing
1.62:1	RH	Yes	S(15)	1687-840560A27	1600-8M0083306
1.62:1	RH	Yes	L(20)	1687-840560A28	1600-8M0083306
1.62:1	RH	Yes	XL(25)	1687- <b>840560A29</b>	1600-8M0083306
1.75:1	RH	Yes	S(15)		1600-8M0083306
1.75:1	RH	Yes	L(20)		1600- <b>8M0083306</b>
1.75:1	RH	Yes	XL(25)		1600- <b>8M0083306</b>
1.87:1	RH	Yes	S(15)	1687- <b>840560T33</b>	1600- <b>8M0083306</b>
1.87:1	RH	Yes	L(20)	1687-840560T34	1600-8M0083306
1.87:1	RH	Yes	XL(25)	1687-840560T35	1600-8M0083306
2.00:1	RH	Yes	S(15)	1687-8M0081852	1600-8M0083306
2.00:1	RH	Yes	L(20)	1687- <b>840560T37</b>	1600- <b>8M0083306</b>
2.00:1	RH	Yes	XL(25)	1687- <b>840560A38</b>	1600-8M0083306

#### 2.5L Sport Master Gearcase w/o Torque Tab

Ratio	Rotation	Torque Tab	Shaft Length	Part Number	Service Housing
1.62:1	RH	No	S(15)	1687-840561A27	1600-8M0084203
1.62:1	RH	No	L(20)	1687- <b>840561A28</b>	1600-8M0084203
1.62:1	RH	No	XL(25)	1687-840561A29	1600-8M0084203
1.75:1	RH	No	S(15)		1600-8M0084203
1.75:1	RH	No	L(20)		1600-8M0084203
1.75:1	RH	No	XL(25)		1600-8M0084203
1.87:1	RH	No	S(15)	1687-840561T33	1600-8M0084203
1.87:1	RH	No	L(20)	1687- <b>840561T34</b>	1600-8M0084203
1.87:1	RH	No	XL(25)	1687- <b>840561A35</b>	1600- <b>8M0084203</b>
2.00:1	RH	No	S(15)	1687-840561T36	1600-8M0084203
2.00:1	RH	No	L(20)	1687- <b>840561A37</b>	1600- <b>8M0084203</b>
2.00:1	RH	No	XL(25)	1687- <b>840561A38</b>	1600- <b>8M0084203</b>

#### 2.5L Sport Master Gearcase Counter Rotation

Ratio	Rotation	Torque Tab	Shaft Length	Part Number	Service Housing
1.62:1	LH	No	S(15)	1687-840561A63	1600- <b>8M0084203</b>
1.62:1	LH	No	L(20)	1687- <b>840561A64</b>	1600- <b>8M0084203</b>
1.62:1	LH	No	XL(25)	1687- <b>840561A65</b>	1600- <b>8M0084203</b>
1.75:1	LH	No	S(15)		1600- <b>8M0084203</b>
1.75:1	LH	No	L(20)		1600- <b>8M0084203</b>
1.75:1	LH	No	XL(25)		1600- <b>8M0084203</b>
1.87:1	LH	No	S(15)	1687- <b>840561T69</b>	1600- <b>8M0084203</b>
1.87:1	LH	No	L(20)	1687- <b>840561T70</b>	1600- <b>8M0084203</b>
1.87:1	LH	No	XL(25)	1687- <b>840561T71</b>	1600- <b>8M0084203</b>
2.00:1	LH	No	S(15)	NLA	1600- <b>8M0084203</b>
2.00:1	LH	No	L(20)	NLA	1600- <b>8M0084203</b>
2.00:1	LH	No	XL(25)	NLA	1600- <b>8M0084203</b>

#### 2.5L Torque Master Gearcase

Ratio	Rotation	Torque Tab	Shaft Length	Part Number	Service Housing
1.87:1	RH	Yes	L(20)		1686-827214T25
2.00:1	RH	Yes	L(20)		1686- <b>827214T25</b>

OUTBOARD GEARCASES - SPORT MASTER FOR 2.5L MODELS

## **WARNING**

AVOID SERIOUS INJURY OR DEATH FROM LOSS OF BOAT CONTROL.

USE SPORT MASTER & FLEET MASTER GEARCASES <u>WITHOUT</u> TORQUE TABS <u>ONLY</u> IN MULTIPLE ENGINE APPLICATIONS.

FOR SINGLE ENGINE APPLICATION <u>ALWAYS</u>
USE SPORT MASTER & TORQUE MASTER
GEARCASES <u>WITH</u> TORQUE TABS.

# **OUTBOARD GEARCASE HOUSING**



#### 1600-8M0083306

Gearcase housing only. With torque tab, satin finish. Fits 2.5L outboards

#### **OUTBOARD GEARCASE HOUSING**



Gearcase housing only. Without torque tab, satin finish. Fits 2.5L outboards

# OUTBOARD GEARCASES - TORQUE MASTER FOR 2.5L MODELS

# **GEAR HOUSING**



Gear housing only - satin finish.
Fits 2.5 L Outboards

# **OUTBOARD GEAR SET FOR 2.5L MODELS**

#### **GEAR CONVERSION KIT**



#### 43-848855T 2

To convert a 1.87:1 or 2.00:1 ratio RH rotation gearcase to a 1.62:1 ratio Fits 2.5L outboards

#### **GEAR CONVERSION KIT**



#### 43-849189T 2

To convert a 1.87:1 or 2.00:1 ratio RH rotation gearcase to a 1.75:1 ratio Fits 2.5L outboards

# WATER PRESSURE RELIEF VALVE KIT

#### WATER PRESSURE RELIEF VALVE KIT



### 863208A 3

The purpose of this kit is to regulate engine block water pressure to a maximum of 30 psi and vent excess water overboard.

Fits all MCM engines in high performance applications where engine block water pressures are exceeding the maximum 30 psi.

# **ENGINE MOUNTS**

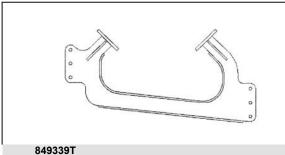
# **ENGINE MOUNT**



849143T

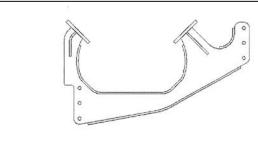
Front - Single

# **ENGINE MOUNT**



Front Port - Side by Side

# **ENGINE MOUNT**

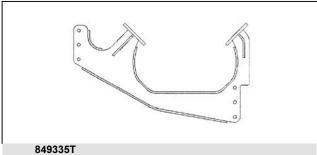


849310T

Front Starboard - Staggered

# **ENGINE MOUNT**

Front Port - Staggered



# **SPACER KITS**

#### SIX SSM SPACER KIT



#### 846743A 1

.50 inch (12.7 mm) spacer

#### 846562A 1

1 inch (25.4 mm) spacer

# 846563A 1

1.50 inch (38.1 mm) spacer

#### 846744A 1

2 inch (50.8 mm) spacer

#### 846745A 1

2.50 inch (63.5 mm) spacer

### 846564A 1

3 inch (76.2 mm) spacer

# **M8 DRIVE SPACER KIT**



# 8M8025968

.50 inch (12.7 mm)

Lowers M8 drives .50 inch from stock height.

#### 8M8025970

1.50 inch (38.1 mm)

Lowers M8 drives 1.50 inches from stock height.

#### 8M8025969

1 inch (25.4 mm)

Lowers M8 drives 1 inch from stock height.

# 8M8025971

2 inch (50.8 mm)

Lowers M8 drives 2 inches from stock height.

# 8M8025972

2.50 inch (63.5 mm)

Lowers M8 drives 2.50 inches from stock height.

### 8M8025973

3 inch (76.2 mm)

Lowers M8 drives 3 inches from stock height.

# **NXT1 SPACER KIT**



#### 8M8023731

.50 inch (12.7 mm)

Lowers NXT1 .50 inch from stock height.

#### 8M8023733

1 inch (25.4 mm)

Lowers NXT1 drives 1 inch from stock height.

# **SPACER KIT**

#### 8M8023735

1.50 inch (38.1 mm)

Lowers NXT1 drives 1.50 inches from stock height.

#### 8M8023737

2 inch (50.8 mm)

Lowers NXT1 drives 2 inches from stock height.

#### 8M8023739

2.50 inch (63.5 mm)

Lowers NXT1 or NXT1/6 SSM drives 2.50 inches from stock height.

#### 8M8023741

3 inch (76.2mm)

Lowers NXT1 drives 3 inches from stock height.

# STERNDRIVE ACCESSORIES

#### **FLAME ARRESTOR**



Optional - 4-1/2 in. Fits MCM 600 SCi

843946T

#### QUICK-CHANGE THRU TRANSOM EXHAUST TIPS



#### 843426A 1

Polished stainless steel tips feature a in.quick change in. anti-backflow valve. 2 outlets per kit

For 4 in. (102 mm) I.D. exhaust pipe. Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages.

# TRANSOM EXHAUST TIPS REPAIR KIT



#### 843426A 2

This kit is to repair the internal rubber flapper baffle for one 4 in. (102 mm) I.D. exhaust tip 843426A1. Contains components to repair one exhaust tip.

Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages that have the Quick-Change Thru Transom Exhaust Tips

# QUICK-CHANGE THRU TRANSOM EXHAUST TIPS



#### 843434A 1

Polished stainless steel tips feature a in.quick change in. anti-backflow valve. 2 outlets per kit.

For 3 in. (76 mm) I.D. exhaust pipe. Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages.

# TRANSOM EXHAUST TIPS REPAIR KIT



#### 843434A 2

This kit is to repair the internal rubber flapper baffle for one 3 in. (76 mm) I.D. exhaust tip 843434A1. Contains components to repair one exhaust tip.

Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages that have the Quick-Change Thru Transom Exhaust Tips

#### TRANSOM EXHAUST TIPS FLAPPER ASSEMBLY



#### 8M0109049

This kit is to repair the internal rubber flapper baffle for one 3 in. (76 mm) I.D. exhaust tip 843434A1. Contains components to repair one exhaust tip.

Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages that have the Quick-Change Thru Transom Exhaust Tips

#### TRANSOM EXHAUST TIPS FLAPPER ASSEMBLY



#### 8M0109050

This kit is to repair the internal rubber flapper baffle for one 4 in. (102 mm) I.D. exhaust tip 843426A1. Contains components to repair one exhaust tip.

Fits all Mercury Racing and Mercury MerCruiser consumer sterndrive engine packages that have the Quick-Change Thru Transom Exhaust Tips.

# **BRAVO ONE SPORT MASTER SPLASH PLATE**



#### 843042T03

Designed for extending the upper area of the Bravo One XR drives outfitted with the Sport Master Gearcase. Includes everything needed to mount the plate to a drive.

#### TAILSTOCK ASSEMBLY



#### 8M8026029

Includes the shift linkage and cable mount required for manual shift transmissions. For use with the Velvet Drive 72C based transmissions (BAM and Huber). Allows the use of Race M-Series transom plate assemblies and Race NXT1SSM stern drives utilizing those transmissions. Can also be used with Race Six Drive transom plate assemblies and Race NXT1SSM stern drives which require the removal of a spacer plate.

# **ENGINE HARNESS RIGGING KITS-NON DTS**

# **HP RIGGING KITS (14 PIN)**



#### 8M8024581

Single engine application. Includes all the necessary CAN harnesses & hardware to connect the engines PCM with the dash/helm area, including key/start function, lanyard switch, SmartCraft junction block, & accessory dash power.

Designed for use with non-DTS engines using 14 pin "Deutsche" connections at the engine harness.

#### **HP RIGGING KITS (14 PIN)**



#### 8M8024582

Twin engine application. Includes all the necessary CAN harnesses & hardware to connect the engines PCM with the dash/helm area, including key/start function, lanyard switch, SmartCraft junction block, & accessory dash power.

Designed for use with non-DTS engines using 14 pin "Deutsche" connections at the engine harness.

#### **HP RIGGING KITS (14 PIN)**



#### 8M8024583

Triple engine application. Includes all the necessary CAN harnesses & hardware to connect the engines PCM with the dash/helm area, including key/start function, lanyard switch, SmartCraft junction block, & accessory dash power.

Designed for use with non-DTS engines using 14 pin "Deutsche" connections at the engine harness.

#### **HP RIGGING KITS (14 PIN)**



#### 8M8024584

Quad engine application. Includes all the necessary CAN harnesses & hardware to connect the engines PCM with the dash/helm area, including key/start function, lanyard switch, SmartCraft junction block, & accessory dash power.

Designed for use with non-DTS engines using 14 pin "Deutsche" connections at the engine harness.

#### **FUEL TANK HARNESS**



#### 84-898289T75

120 inch Harness needed to connect tank senders to the 350 Verado SCI and sterndrive models 565 through 1650

#### ANALOG GAUGE INTERFACE (AGI) KIT



#### 892486K07

Includes AGI Module Assembly, Harness and hardware. For installations using analog gauges instead of SmartCraft. Use with analog tachometer, coolant temp, oil pressure or level, trim and fuel level. Enhanced Voltage Suppression.

Race MerCruiser or outboard engines in single or multiple engine installations plus MerCruiser 496Mag/Mag HO engines.

Mercury Branded

### ANALOG GAUGE INTERFACE (AGI) KIT



#### 892486K04

For installations using analog gauges instead of SmartCraft. Use with analog tachometer, coolant temp, oil temp, oil pressure or fuel pressure gauges. Enhanced Voltage Suppression.

Race MerCruiser engines with the 14 pin Deutsch connector engine wiring harness. One AGI kit per engine required.

# VESSEL ANALOG GAUGE INTERFACE (AGI) KIT



#### 892486K05

For installations using analog gauges instead of SmartCraft. Use with analog tab position (port & starboard), fuel level (two fuel tanks) and trim position gauges. Enhanced Voltage Suppression.

Race MerCruiser engines with the 14 pin Deutsch connector engine wiring harness. One AGI kit per boat required.

# **EXTENSION (WING) PLATES**

# **OUTER EXTENSION (WING) PLATE**



#### 844342

Bolt on outer wing plate for driveline or close couple engine installations. Mounting hardware is shipped with the engines.

 $\label{lem:condition} \textbf{Racing MerCruiser engines with universal engine mounts}.$ 

#### **INNER EXTENSION (WING) PLATE**



#### 8M0012221

Bolt on inner wing plate for driveline or close couple engine installations. Mounting hardware is shipped with the engines.

Racing MerCruiser engines with universal engine mounts.

# SINGLE EXTENSION (WING) PLATE



#### 8M0051209

Bolt on inner wing plate for driveline or close couple engine installations. Mounting hardware is shipped with the engines.

Racing MerCruiser engines with universal engine mounts.

# **FUEL FILTER**

#### **FUEL FILTER ASSEMBLY**



#### 35-8M0050833

Includes fuel filter, hose and adapter fitting. Used on all Mercury Racing EFI engines.

# **MERCATHODE**

### **MERCATHODE KIT**



#### 42600A18

Automatically protects the sterndrive from galvanic corrosion. Each Mercathode system is designed to protect one drive unit.

NXT1, NXT1/SSM or Dry Sump Six sterndrives.

# **FLOOR MOUNT KIT**

#### **DECK MOUNT KIT - TRIM PUMP**



#### 842109A01

Mounting brackets and hardware to mount various Race trim pumps onto horizontal surfaces.

Can be used on Race power trim pumps included with Race Sport K-planes, Race NXT and M series transom plates and Race Optimax 200XS, 200XS ROS, 250XS, 250XS Sport and 300XS outboards. See Mercury electronic parts catalog (EPC) for outboard serial number(s) information.

# X-HAUST NOISE REDUCER

Exhaust noise reduction system. Is compatible with both side-by-side (close couple) or staggered (driveline) engine installations depending on specific engine model. The Stage 1 system by itself limits idle noise levels to 88dBA. The Stage 1 system combined with the Stage 2 muffler kit will beat the stringent European Union (EU) Recreational Craft Directive (RCD) noise emission standard. Also provides compliance for most existing state or regional regulations that require a pass by test here in the United States. For use on Race 520, 540, 565, 600 SCi, EU 662 SCi and 700 SCi sterndrive engines.

# X-HAUST STAGE 1 TAILPIPE KITS

#### CLOSE COUPLE TAILPIPE KIT - STAGE 1



#### 8M0094135

520 Port outlet. Kit includes all mounting hardware.

For 520 close couple engines only. Both single and twin engine applications. Can be used with standard steering and all Bravo XR drives. Or the Axius steering system when installed with Bravo 3XR stern drives only.

#### **CLOSE COUPLE TAILPIPE KIT - STAGE 1**



#### 8M0094136

520 Starboard outlet. Kit includles all mounting hardware.

For 520 close couple engines only. Both single and twin engine applications. Can be used with standard steering and all Bravo XR drives. Or the Axius steering system when installed with Bravo 3XR stern drives only.

#### **EXHAUST COUPLER ASSEMBLY**

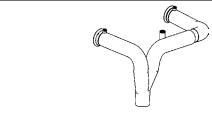


#### 8M0123001

Exhaust coupler 10.5"

To be used when taller exhaust than standard is used on the 520

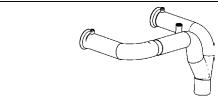
#### **CLOSE COUPLE TAILPIPE KIT - STAGE 1**



#### 8M8023624

Port outlet. Requires 1 each 8M8023358 hardware kit for each tailpipe kit ordered. For use on 540, 565, 600 SCi, EU662 SCi and 700 SCi sterndrive engines.

#### **CLOSE COUPLE TAILPIPE KIT - STAGE 1**

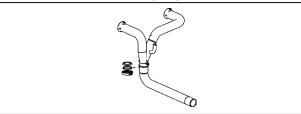


#### 8M8023625

Starboard outlet. Requires 1 each 8M8023358 hardware kit for each tailpipe kit ordered.

For use on 540, 565, 600 SCi, EU662 SCi and 700 SCi sterndrive engines.

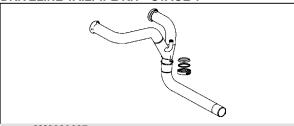
#### **DRIVELINE TAILPIPE KIT - STAGE 1**



#### 8M8023626

Port outlet. Requires 1 each 8M8023359 hardware kit for each tailpipe kit ordered. For use on 540, 565, 600 SCi, EU662 SCi and 700 SCi sterndrive engines.

#### **DRIVELINE TAILPIPE KIT - STAGE 1**



#### 8M8023627

Starboard outlet. Requires 1 each 8M8023359 hardware kit for each tailpipe kit ordered.

For use on 540, 565, 600 SCi, EU662 SCi and 700 SCi sterndrive engines.

#### **103 DEGREE TAILPIPE**



### 8M0059759

103 degree angle tailpipe for use with X-Haust tailpipe kit and Mercury sweeper headers in driveline engine installations.

For use with 8M8023624 close couple tailpipe kit and Mercury sweeper headers in driveline engine applications. This tailpipe requires the driveline engine to be 42 inches ahead of the rear (close couple) engine.

# X-HAUST TAILPIPE HARDWARE KITS

### X-HAUST HARDWARE KIT



#### 8M8023358

1 required for each X-Haust close couple tailpipe kit (8M8023624 or 8M8023625) ordered.

For use with X-Haust Stage 1 close couple tailpipe kits.

#### X-HAUST HARDWARE KIT



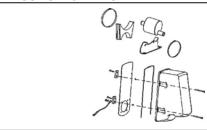
#### 8M8023359

1 required for each X-Haust driveline tailpipe kit (8M8023626 or 8M8023627) ordered.

For use with X-Haust Stage 1 driveline tailpipe kits.

# STAGE 2 MUFFLER KIT

#### X-HAUST STAGE 2 MUFFLER KIT



#### 8M8023320

Transom muffler, idle relief attenuator, brackets and hardware are included in kit. One muffler kit required for each installed Stage 1 tailpipe kit.

For use on 520, 540, 565, 600 SCi, EU662 SCi and 700 SCi sterndrive engines with installed Stage 1 tailpipe kit(s).

# X-HAUST ACCESSORIES

# IDLE RELIEF OUTLET, TRANSOM DISCHARGE



#### 8M0037021

One required for each engine with installed Stage 1 X-Haust system or Stage 1 and Stage 2 X-Haust systems. For back of boat discharge. For use on 540, 565, 600 SCi, EU662 SCi and 700 SCi sterndrive engines.

# **IDLE RELIEF OUTLET, TRANSOM DISCHARGE**



#### 8M0092927

One required for each engine with installed Stage 1 X-Haust system or Stage 1 and Stage 2 X-Haust systems. For back of boat discharge. For use on 520 sterndrive engines.

#### **IDLE RELIEF OUTLET, SIDE DISCHARGE**



#### 8M0038928

One required for each engine with installed Stage 1 X-Haust system or Stage 1 and Stage 2 X-Haust systems. For port or starboard side of boat discharge. For use on 540, 565, 600 SCi, EU662 SCi and 700 SCi sterndrive engines.

# X-HAUST TRANSOM DRILL FIXTURE



91-8M0097143 X-Haust installation tool For use on 520 engines

# X-HAUST TRANSOM DRILL FIXTURE



X-Haust installation tool For use on 600 SCi, EU662 SCi and 700 SCi engines.

#### X-HAUST TRANSOM DRILL FIXTURE



91-8M0064794 X-Haust installation tool For use on 540 and 565 engines.

# **M8 DRIVES**

#### TRIM HOSE EXTENSION KIT



#### 8M8027354

Set of two 96 inch hoses with 90 degree bend at one end. For use with the common M series transom plates and M8 or NXT1 stern drives.

#### **M8 PROP AERATOR KIT**



#### 8M8027372

Needed on certain boat hulls to ventilate the propellor(s) and reduce time to plane. Race M8 stern drives.

# **NXT1 DRIVELINE KIT**

# NXT TRANSMISSION DRIVELINE KIT



#### 842064A02

For conversion of a close couple 700SCi to a driveline engine . Racing sterndrive packages with the NXT transmission only.

# **NXT1 PROP HUB KITS**

#### **HUB KIT**



#### 8M8022263

Double nut kit for use with Mercury Racing NXT1 sterndrives adapting Cleaver

# **NXT1 STEERING INDICATOR**

# STEERING POSITION INDICATOR KIT



#### 8M8021162

Provides steering position indication.

For use with the Race NXT1 drive only. Compatible with SmartCraft SC1000 gauges, SC5000 Systemview and Systemview Race Edition.

# **NXT1 WATER PICKUP KITS**

#### WATER PICK UP KIT



#### 842049A01

(0.1 square inch)

Interchangeable water pick up. For boat speed of 150 to 200 mph. Race NXT1 sterndrives. One kit per drive required.

#### 842049A02

(0.2 square inch)

Interchangeable water pick up. For boat speed of 110 to 160 mph. Race NXT1 sterndrives. One kit per drive required.

#### 842049A03

(0.3 square inch)

Interchangeable water pick up. For boat speed of 90 to 130 mph. Race NXT1 sterndrives. One kit per drive required.

#### 842049A04

(0.4 square inch)

Interchangeable water pick up. For boat speed of 80 to 100 mph. Race NXT1 sterndrives. One kit per drive required.

#### 842049A06

(0.6 square inch) Interchangeable water pick up. For boat speed of 60 to 80 mph.

Race NXT1 sterndrives. One kit per drive required.

#### 842049A08

(0.8 square inch)

Interchangeable water pick up. For boat speed of 50 to 70 mph.

Race NXT1 sterndrives. One kit per drive required.

#### NXT1 TORPEDO BORE COVER ASSEMBLY



#### 8M8022198

To be installed in place of NXT1 water pick ups when hull mounted water pick ups are installed/used.

For use with NXT1 drives only. Not for use with NXT1 SSM drives.

# **QC4V ENGINES**

#### NON-POWER STEERING ADAPTER KIT



#### 8M8026006

Eliminates the power steering pump from the engine. With the adapter and pulley from the kit installed, the drive belt is re-used in its original routing. Mercury Racing QC4v 1100 and 1350 hp engines.

### **CARBON FIBER DRESS KIT**



#### 8M8026070

Cosmetic upgrade kit. Includes front cover, port and starboard air intake covers plus installation hardware.

Race QC4v 1100 engines only. Kit comes standard on 1350 engines.

# **POWER STEERING**

#### POWER VALUE BLOCK ASSEMBLY



#### 844399T01

Used to connect the power steering pump on the engine(s) with the steering helm and the steering cylinders located on the drive(s). Includes air purge bleeder-check valves and pressure relief valves.

NXT1, NXT1/SSM or Dry Sump Six sterndrives.

#### **POWER STEERING RESERVOIR CAP**



#### 8M8020356

With threads to fit a -8 ORB fitting. Allows engines to be rigged with a series return line, or with the use of two power steering caps a common boat reservoir can be added between the two engine mounted reservoirs.

Gen. 1 525 EFI and 600 SCI engines. All 700 SCI engines.

#### **POWER STEERING RESERVOIR KIT**



#### 8M8026004

External power steering reservoir. For use in applications where a common reservoir is wanted or needed. Comes with two inlet ports and two outlet ports plus an integral bracket that is suitable for mounting to a vertical surface.

For use with all Race 525, 600, 662, 700, 850, 1025, 1075, 1200 and QC4v 1100 or 1350 engines.

# BRAVO GIMBAL RING CONVERSION KIT

#### **GIMBAL RING KIT**



#### 8M0061384

Used to convert standard Bravo gimbal ring to heavy duty gimbal ring and bell housings. Trim limit switch cannot be used on HD gimbal ring.

Fits MCM Bravo drives

# **RACE DTS ACCESSORIES**

### **DUAL CALIBRATION TDS KIT**



# 8M0111476

Theft Deterrent System for Dual Calibration Mercury Racing 1550 engines.

One kit required per boat. The silver FOB runs the engine on the 1350 mode while the blue FOB runs the engine in the 1550 mode.

#### **DUAL CALIBRATION KEY FOBS**



#### 8M0114877

Key Fobs. Silver Fob 1350 horsepower mode, blue Fob 1550 horsepower mode. To be used with Mercury Racing Dual Calibration 1550 sterndrive engine.

#### SINGLE DTS RIGGING KIT PANEL MOUNT



#### 8M0121246

Includes helm board, key switch, lanyard, lever extension harness and other rigging parts

All Mercury Racing DTS product

# ZERO EFFORT SINGLE DTS RIGGING KIT

Includes helm board, key switch, lanyard and other rigging parts All Mercury Racing DTS products

#### ZERO EFFORT DUAL DTS RIGGING KIT

Image not Available.

#### 8M0121252

Includes helm board, key switches, lanyards and other rigging parts. Multi engine guardian enabled.

All Mercury Racing DTS product

#### 8M0121252

Includes helm board, key switches, lanyards and other rigging parts. Multi engine guardian enabled.

All Mercury Racing DTS product

# ZERO EFFORT TRIPLE DTS RIGGING KIT



#### 8M0121253

Includes helm board, key switches, lanyards and other rigging parts. Multi engine guardian enabled.

All Mercury Racing DTS product

#### ZERO EFFORT QUAD DTS RIGGING KIT



Includes helm board, key switches, lanyards and other rigging parts. Multi Engine guardian enabled.

All Mercury Racing DTS product

#### **EXTENSION HARNESS**



#### 84-8M8026041

7 ft. wiring extension harness for shift function. Labeled lever 1. For use with Race DTS (digital throttle and shift) 14 pin data harnesses.

#### **EXTENSION HARNESS**



### 84-8M8026042

7 ft. wiring extension harness for shift function. Labeled lever 2. For use with Race DTS (digital throttle and shift) 14 pin data harnesses.

# **EXTENSION HARNESS**



#### 84-8M8026043

7 ft. length wiring extension harness for throttle function. Labeled lever 3. For use with Race DTS (digital throttle and shift) 14 pin data harnesses.

#### **EXTENSION HARNESS**



#### 84-8M8026044

7 ft. length wiring extension harness for throttle function. Labeled lever 4. For use with Race DTS (digital throttle and shift) 14 pin data harnesses.

# **BEARING UPGRADE KITS**

#### **GIMBAL BEARING KIT**



# 30-879194A00

Perma-Lube Bearing Kit required to retrofit the new XR/XZ drives to older Bravo transom plate assemblies to provide enough clearance for the larger u-joint on the new XR/XZ drives.

Fits Bravo transom assemblies

# **DRIVESHAFT ASSEMBLY**

#### **DRIVESHAFT ASSEMBLY**



#### 45-847633A 1

9 in.(229 mm) 1480 series heavy duty driveline. Adapter may be required for transmission.

Fits Mercury Racing VI and VII stern drives.

# **BRAVO HD PROPSHAFT KIT**

#### **PROPSHAFT KIT**



#### 44-840377A 1

Used to convert standard Bravo propshaft to a heavy-duty propshaft. A special tool (91-840393A 1) is also required to install the heavy-duty propshaft. Fits Bravo One drives

# **RETAINER WRENCH TOOL KIT**



#### 91-840393A 1

Aids in the installation of the bearing carrier retainer with a heavy-duty propeller shaft installed on the lower unit.

# TRANSOM MOUNTED WATER PICKUP

# **SEAWATER PICKUP**



Transom mount, for 1-1/4 in.(32 mm) hose.
Fits any sterndrive engine that has an engine mounted seawater pump.

# **JET DRIVE**

# **JET DRIVE SHIFT CABLES**

#### SHIFT CABLE



#### 820671A8

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 2.4 m (8 ft.)

#### 820671A10

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 3.0 m (10 ft.)

#### 820671A12

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 3.7 m (12 ft.)

#### 820671A14

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 4.3 m (14 ft.)

#### 820671A16

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 4.9 m (16 ft.)

#### 820671A18

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 5.5 m (18 ft.)

# SHIFT CABLE



#### 64-853951A10

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit. Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1.

3.0 m (10 ft.)

#### 64-853951A12

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit. Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1.

3.7 m (12 ft.)

#### 64-853951A14

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit. Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1.

4.3 m (14 ft.)

#### 64-853951A16

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit.

Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1.

4.9 m (16 ft.)

#### 64-853951A18

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit. Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1. 5.5 m (18 ft.)

#### **SHIFT CABLE**



#### 858342A10

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200

OptiMax, 210 & 240 EFI Jet Drives.

3.0 m (10 ft.)

# 858342A12

40 series cable with cable end connector. Includes shift cable bellows kit. Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

#### 3.7 m (12 ft.) **858342A14**

40 series cable with cable end connector. Includes shift cable bellows kit.
Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200
OptiMax, 210 & 240 EFI Jet Drives.

#### 4.3 m (14 ft.) **858342A16**

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

4.9 m (16 ft.)

#### 858342A18

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200

OptiMax, 210 & 240 EFI Jet Drives.

5.5 m (18 ft.)

#### 858342A20

40 series cable with cable end connector. Includes shift cable bellows kit. Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

6.1 m (20 ft.)

#### 858342A22

40 series cable with cable end connector. Includes shift cable bellows kit. Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

6.7 m (22 ft.)



#### **BULKHEAD COMPRESSION FITTINGS**



Fits Sport-Jet 90/95/120 and 175 with 40 series cables. Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

#### **BULKHEAD COMPRESSION FITTINGS**



#### 820677A 1

For 30 series cable, use either Bulkhead Compression Fittings or Bulkhead Bellows Kits. Not for use together.

Fits Sport-Jet 90/95/120 with 30 series shift cables.

#### SHIFT CABLE BELLOWS



#### 877581A 2

For 40 Series cable, installs on cable outside of transom.

Fits Sport-Jet 175 (1999 and older) and 90/95/120 with optional 802755 Remote Control with 40 Series shift cable.

#### SHIFT CABLE BELLOWS



### 877581A 5

For 40 series cable, installs on cable outside of transom.

Fits Sport-Jet 120XR2 and 175 (2000 and newer) with 40 series shift cables. Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

#### **BULKHEAD BELLOWS KIT**



850697A 2

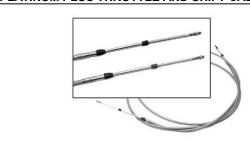
Fits Jet Drive models with 40 series cables

# PLATINUM PLUS THROTTLE AND SHIFT CABLE

Platinum Plus Throttle and Shift cable is built for a long life and is designed for maximum performance in all weather conditions - even down to 0 degrees Fahrenheit.

- Layered Technology Featuring Tough polypropylene outer jacket is UV and abrasion resistant
   22 oil-tempered wires for increased compression strength and
- Lubricated core liner to stand up to the harsh marine environment while remaining flexible
- Patented hexagonal shape allows for minimal contact with the liner
- Stainless steel core is specially designed to handle tough compression loads, but flexible for severe applications

#### PLATINUM PLUS THROTTLE AND SHIFT CABLE



### 8M0082575

3 FT (.92m)

SAE Controls

# 8M0082576

4 FT (1.2m) SAE Controls

# 8M0082577

5 FT (1.5m)

SAE Controls

# 8M0082578

6 FT (1.8m)

SAE Controls

# 8M0082579

7 FT (2.1m)

SAE Controls

#### 8M0082580

8 FT (2.4m)

SAE Controls

#### 8M0082581

9 FT (2.7m)

SAE Controls

# 8M0082582

10 FT (3.0m)

SAE Controls

8M0082583

11 FT (3.4m)

SAE Controls

8M0082584

12 FT (3.7m)

SAE Controls

8M0082585

13 FT (4.0m)

SAE Controls

8M0082586

14 FT (4.3m)

SAE Controls

8M0082587

15 FT (4.6m) SAE Controls

8M0082588

16 FT (4.9m)

SAE Controls

8M0082589

17 FT (5.2m)

SAE Controls

8M0082590

18 FT (5.5m)

SAE Controls

8M0082591

19 FT (5.8m)

SAE Controls

8M0082592

20 FT (6.1m)

SAE Controls

8M0082593

21 FT (6.4m)

SAE Controls

8M0082594

22 FT (6.7m)

SAE Controls 8M0082595

23 FT (6.7m)

SAE Controls

8M0082596

24 FT (7.0m)

SAE Controls

8M0082597 25 FT (7.3m)

SAE Controls

8M0082598

26 FT (7.6m)

SAE Controls

8M0082599

27 FT (7.9m) SAE Controls

# JET DRIVE 135 & 270 DEG. STEERING SYSTEM

The 135 deg. system allows 135 degrees rotation of the steering wheel (3/8 turn lock to lock). The 270 deg. system allows 270 degrees rotation of the steering wheel (3/4 turn lock to lock). Order helm, bezel, and steering cable separately. If the size required is not listed, use the next larger size.

#### STEERING HELM



#### 809486

135 Degree Steering Helm.

Fits all Sport Jet models, except V-6 models.

## STEERING HELM



#### 850699

270 Degree Steering Helm.

Fits all Jet Drive models

# **TILT STEERING HELM**



64-879686

270 Degree Steering Helm.

Fits all Jet Drive models

#### **BEZEL KIT**



#### 809485

Fits all Jet Drive models

#### STEERING CABLE



#### 64-835457A11

11 ft.(3.4 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A13

13 ft.(4.0 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A15

15 ft.(4.6 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A17

17 ft.(5.2 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A19

19 ft.(5.8 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A21

21 ft.(6.4 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A23

23 ft.(7.0 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit

Fits all Jet Drive models.

#### 64-835457A25

 $25\ \mathrm{ft.}(7.6\ \mathrm{m})\ 60$  series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### STEERING CABLE BELLOWS



#### 877581A 4

Installs on cable outside of transom
Fits Jet Drive models with 270 Degree system and 60 series cables

# STEERING CABLE ROD END

#### STEERING ROD END



#### 883053A 1

For 135 & 540 deg. steering systems. 5/16 in. (7.9 mm) Fits Sport Jet models with 60 series cables

# STEERING CABLE BULKHEAD FITTINGS AND BELLOWS KITS

Hardware used to complete Sport Jet installations. Use either bulkhead fittings or bellows kit. Not for use together.

### **BULKHEAD COMPRESSION FITTINGS**



#### 820675

Fits Sport-Jet 90/95/120 and 175 with 40 series cables. Also fits 200 OptiMax, 210  $\&\,240$  EFI Jet Drives.

#### **BULKHEAD BELLOWS KIT**



#### 850005A 2

For 135 & 270 deg. steering systems and 60 series cables. Fits Jet Drive models with 60 series cables

#### **BULKHEAD BELLOWS KIT**



#### 850697A 2

Fits Jet Drive models with 40 series cables

# **IGNITION KEY SWITCH WITH HARNESSES**

Mounts in a 2-1/8 in.(54 mm) hole. Includes warning horn and electrical connections for instrumentation and lanyard stop switch.

#### **KEY SWITCH W/ HARNESS**



# 84-816626A 2

2 ft.(610 mm) harness with audio warning horn.

Fits Mercury/Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury / Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

#### 84-816626A15

15 ft.(4.57 m) harness with audio warning horn.

Fits Mercury/Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury/Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

#### 84-816626A20

20 ft.(6.1 m) harness with audio warning horn.

Fits Mcrcury/Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury/Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

#### 84-816626A24

25 ft.(7.6 m) harness with audio warning horn.

Fits Mercury / Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury / Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

# **FLUSHING KITS**

### **FLUSHING ATTACHMENT**



#### 22-820543A 1

For consumer use. Only for use while engine is not running. Fits 90/95/120 Sport-Jet.

#### **FLUSHING ATTACHMENT**



#### 22-820543A 6

Allows the customer to flush the engines while engine is not running or idling under 1200 RPM

Fits 200 OptiMax, 210 and 240 EFI Jet Drives.

#### **FLUSHING KIT**



#### 22-820573

Dealer kit, flushes engine while the engine is running. This kit is not for permanent installation. It is intended as a dealer service tool aid.

Fits Sport-Jet 90/95/120 engines.

#### REPLACEMENT CAP



#### 19-821908

For consumer use sport-jet flushing attachment.

Fits the consumer use 90/95/120 Sport-Jet flushing attachment. Standard flushing kit on the Sport Jet 175 and the 200 OptiMax, 210 and 240 EFI Jet Drives.

# REPLACEMENT INLET GRATES

#### REPLACEMENT INLET GRATE



#### 854810T 1

Stainless steel Rock Grate for shallow rocky conditions.

Fits all V-6 Jet Drives (1997 & newer) and Sport-Jet 120 Jet Drives (1999 and 2000).

# REPLACEMENT INLET GRATE



#### 852962T

Inlet Grate - aluminum fixed grate.

Fits all V-6 Jet Drives (1997 & newer) and Sport-Jet 120 Jet Drives (1999 and 2000). Standard grate on the Sport-Jet 175XR2.

#### REPLACEMENT INLET GRATE



Hydro Surge Grate - automatic weed clean out system

Fits all V-6 Jet Drives (1997 & newer) and Sport-Jet 120 Jet Drives (1999 and 2000).

# **PUMP MOUNTING GROMMETS**

Seals between the Jet Drive unit and the boat hull.

#### PUMP MOUNTING GROMMET



#### 25-820663250

1/4 in.(6 mm) flange.

Fits Jet Drives with original dimension "short" tunnel cutouts.

#### 25-820663375

3/8 in.(10 mm) flange

Fits Jet Drives with original dimension "short" tunnel cutouts.

#### 25-820663A 2

3/8 in.(10 mm) flange

Fits Jet Drives with original dimension "short" tunnel cutouts. Priced & packaged in qty. of 20

#### 25-820663500

1/2 in.(13 mm) flange

Fits Jet Drives with original dimension "short" tunnel cutouts.

#### PUMP MOUNTING GROMMET



### 879634

3/8 in.(10 mm) flange. Provides improved vibration isolation.

Fits 200 OptiMax, 210 and 240 EFI Jet Drives with "Long" tunnel cutouts with radiused edges and glued in grommet.

# PUMP MOUNTING GROMMET CHART

### **Pump Mounting Grommets**

Model	Original Dimension Jet Drive; Short Tunnel Cutouts	Original Dimension Jet Drive; Short Tunnel Cutouts	Revised Dimension Jet Drive; Long Tunnel Cutouts w
Sport Jet 90/95/125	25-820663250	25-820663375	N/A
Sport Jet 175	25-820663250	25-820663375	NLA
200 Optimax	25-820663250	25-820663375(1)	879634(2)
210	25-820663250	25-820663375(1)	879634(2)
240 EFI	25-820663250	25-820663375(1)	879634(2)

(1) Not Recommended

(2) Provides improved vibration isolation

# **TUNNEL SAMPLE**

 $\mbox{\sc Aids}$  in the development of jet boat designs. Can be fabricated into a prototype or used to make a mold.

# **TUNNEL SAMPLE**



91-881242T

For fiberglass boats to help with jet drive boat design.

# **MUFFLERS**

# **MUFFLER ASSEMBLY**



859389A 1

Starboard

Fits 210 Carb Jet Drive

# **MUFFLER ASSEMBLY**



878147A03

Port

Fits 200 DFI, 240 EFI & 250 DFI Jet Drives

# **MUFFLER ASSEMBLY**



878148A03

Starboard

Fits 200 DFI, 240 EFI & 250 DFI Jet Drives

# **ANODES - SPORT JET**

# ANODE ASSY.



856581C

Aluminum

# **ANODE KIT**



833163A 1

Aluminum

# ANODE



820503 1

Aluminum

# ANODE CHART - SPORT JET

# **SportJet Pump Anodes**

Model	Serial # Range	Nozzle Anode	Mat.	Rudder Anode	Mat.
90 Sport Jet	0E021000 and up	N.L.A.	Zinc	820503 1	Alum.
95XR Sport Jet	0E021000 and up	N.L.A.	Zinc	820503 1	Alum.
120 Sport Jet	0E080400 - 0E145579	N.L.A.	Zinc	820503 1	Alum.
120XR Sport Jet	0E145580 - 0E344999	N.L.A.	Zinc	820503 1	Alum.
120XR2 Sport Jet	0E145580 - 0E379999	856581C	Alum.	820503 1	Alum.
175XR2 Sport Jet	0E151580 - 0E344999	833163A 1	Alum.	820503 1	Alum.
175XR2 Sport Jet	0F345000 - 0E433153	856581C	Alum.	820503 1	Alum.
200 DFI	0E379931 - 0E428850	856581C	Alum.	820503 1	Alum.
200 DFI M2	0E379931 - 0E423075	856581C	Alum.	820503 1	Alum.
210 Carb	0E379931 - 0E433153	833163A 1	Alum.	820503 1	Alum.
210 Carb M2	0E370718 - 0E426999	856581C	Alum.	820503 1	Alum.
240 EFI	0E379931 - 0E406399	833163A 1	Alum.	820503 1	Alum.
240 EFI	0E406400 and up	856581C	Alum.	820503 1	Alum.
240 EFI M2	0E370718 and up	856581C	Alum.	820503 1	Alum.
250 DFI	0E407100 and up	856581C	Alum.	820503 1	Alum.
250 DFI M2	0E407100 and up	856581C	Alum.	820503 1	Alum.

# MARINE BATTERIES AND ACCESSORIES

# MARINE BATTERIES AND ACCESSORIES

# **MARINE BATTERIES**

#### **OPTIMA BLUE TOP DC 4.2**



#### 67-886561

High power, dual purpose engine start and deep cycle • For use in boats with large accessory loads • Sealed lead acid battery • 12 Volts nominal voltage • Color: light grey case with blue cover • Group size: BCl 34 • Metric dimensions: 254x175x200 mm (length/width/height) • Weight: 19,7 kg • Open circuit voltage (fully charged): 13.1 volts • Internal resistance (fully charged): 0.0028 ohms • Capacity: 55 Ah (C/20) • Reserve capacity: BCl: 120 minutes • Power: 765 amps CCA (EN -18°C), 870 amps MCA (BCl 0°C)

#### **OPTIMA BLUE TOP BT SLI 4.2**



#### 67-886560

High power marine starting battery only • Sealed lead acid battery • 12 Volts nominal voltage • Color: dark grey case with blue cover • Group size: BCI 34 • Metric dimensions: 254x175x200 mm (length/width/height) • Weight: 17,4 kg • Open circuit voltage (fully charged): 12,8 volts • Internal resistance (fully charged): 0.0030 ohms • Capacity: 50 Ah (C/20) • Reserve capacity: BCI: 100 minutes • Power: 815 amps CCA (EN -18°C), 1000 amps MCA (BCI 0°C)

#### **OPTIMA BLUE TOP DC 5.0**



#### 67-8M9200903

High power, dual purpose engine start and deep cycle
• For use in boats with large accessory loads
• Sealed lead acid battery

- 12 Volts nominal voltage
- Color: light grey case with blue cover
   Group size: BCI 27
- Metric dimensions: 309x172x221mm length/width/height)
   Weight: 22,7 kg
   Internal resistance (fully charged): 0.0025 ohms

- Capacity: 66 Ah (C/20)
- Reserve capacity: BCI: 140 minutes

   Power: 845 amps CCA (EN -18°C), 1000 amps MCA (BCI 0°C)

#### **OPTIMA BLUE TOP DC 5.5**



#### 67-886562

High power, dual purpose engine start and deep cycle • For use in boats with large accessory loads • Sealed lead acid battery • 12 Volts nominal voltage • Color: light grey case with blue cover • Group size: BCI 31• Metric dimensions: 325x165x238 mm (length/width/height) • Weight: 26,5 kg • Open circuit voltage (fully charged): 13.1 volts • Internal resistance (fully charged): 0.0025 ohms • Capacity: 75 Ah (C/20) • Reserve capacity: BCI: 155 minutes • Power: 975 amps CCA (EN -18°C), 1125 amps MCA (BCI 0°C)

#### MARINE BATTERY



### 67-8M0109257

12V Full River AGM HC28 Start battery for outboards with electric starter. Can be mounted in any orientation except inverted. US DOT and IATA certified

non-spillable (sealed).

Performance: PHCA: 925A at 80°F (27°C); for 5 secondsCCA: 410A at 0°F (-18°C) - CA/MCA: 530A at 32°F (0°C) - HCA: 625A at 80°F (27°C) - Reserve capacity: 48 minutes

Short circuit current: 1300A - Operation temperature range: 5°F (-15°C) to 122°F (50°C).

4-stroke: 8HP - 30 HP 2-stroke: 8HP – 60 HP

# MARINE BATTERIES AND ACCESSORIES

# **BATTERY ACCESSORIES**

#### **OPTIMATE 2 BATTERY CHARGER**



#### 8M0072744

Fully automatic battery maintainer. Battery Performance guaranteed!

- · Extends battery life
- Safe long term battery care
- · Sealed weatherproof enclosure

OptiMateTM2, extends life and improves performance of a 12V battery of a ophiliate Miz. Activities and minimum of a particular of the water craft or 12V battery operated system that is not in daily use. OptiMate 2 senses the battery condition, recharges and then keeps the battery 100% ready, never overcharging, and provides power to the anti-theft alarm, display, on board computer, etc. OptiMate 2 is ideal for standby power applications, display, of Doard Computer, etc. Opinities 2 is deal for stalling power application the interactive standby mode during long term maintenance reverts to full charge mode if it senses high current drain from the battery.

#### **OPTIMATE 5 BATTERY CHARGER**



#### 8M0072745

Complete 12V battery care for medium to large batteries · Desulphates and saves neglected batteries

- Optimises battery power and life

Safe long-term maintenance cycle
Tests battery every hour
OptiMateTM5, the all-in-one tool for 12V battery care at home. Diagnoses, recovers, charges, tests and optimally maintains, automatically.

Forgot your battery throughout the winter? OptiMate 5 will recover it from deep discharge and optimally recharge it. Then it will check that the charge delivered is the best possible before then checking how well the battery can retain the charge. And tell you its status, at a glance. Of course, it will then maintain your battery at full charge safely for months at a time. And prolong its life by up to 400%. Reducing waste, for a better environment.

#### **BATTERY TESTER AND ELECTRICAL SYSTEM ANALYSER T10**



#### 8M0147933

Fully graphical interface, LCD display, integrated printer, and touchpad with sensor technology. WET, AGM, AGM spiral, EFB, GEL, Ca. Complies to Specs: CCA, SAE, EN, IEC, DIN, CA/MCA, JIS, EN1, EN2. Tests the starter, alternator, and grounding, and can transfer the data to PC. Test results memory saving. Battery tester and electrical system analyser for 12V batteries.

#### **BATTERY DESULFATOR**



#### 8M0157844

- 8mm Fork Terminals 1500 Ah Conditioning Cable Reach 34inch / 850mm
- Compliant to IP65 Rating
- Multi-Mode activation
- Multi-Voltage Activation 6v-48v
- Small to Medium Applications
- Benefits:
- Increased Reliability
- Reduced Down-Time
- Reduced Greenhouse Emissions - Reduced Warranty Costs & Running Costs

Works with all types of batteries (except lithium and NiCad). Tested and proven.

#### **BATTERY CONNECTOR CABLE**



Connect your battery easily with your Optimate charger. Weatherproof permanent battery lead, M6, 5A max, SAF connection

#### COMPACT KEY STYLE BATTERY SWITCH



On/off switch rated at 100 Amp continuous 12V DC • Removable key • Made of plastic • Weatherproof cap included • Screw size #14

# VENTED OUTBOARD SPLASH COVERS

A Splash cover protects your Mercury outboard from stones, fishing lures, sinkers and general cowl wear and tear. It is designed to protect your engine outboard cowling during use and is made from UV stabilized, water resistant Polysoft Polyester with felt like backing to avoid scratching the gel coat of the outboard.

#### Product features:

- Designed to protect outboard engine cowling during use
   Fully functional cover with breathable mesh venting
   Breathable, marine grade fabric and materials

- Increases resale value potential
   Prevents accidental damage
   Further reducing the already low noise values of Mercury engines
- · Custom fit and having original signage
- Available in individual horse power rating for the most common categories

#### **MERCURY 4-STROKE VENTED OUTBOARD SPLASH** COVER



#### 67-8M0087241

F40 outboard splashcover with original Mercury -and horsepower signage. For 4-cylinder engines only.

#### **MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER**



# 67-8M0087242

F50 outboard splashcover with original Mercury -and horsepower signage. For 4-cylinder engines only.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087243

F60 outboard splashcover with original Mercury -and horsepower signage. For 4-cylinder engines only.

#### **MERCURY 4-STROKE VENTED OUTBOARD SPLASH** COVER



#### 67-8M0110408

F75 Sea Pro outboard splash cover with original Mercury and horsepower signage.

#### **MERCURY 4-STROKE VENTED OUTBOARD SPLASH** COVER



#### 67-8M0087244

F80 outboard splashcover with original Mercury -and horsepower signage.

#### **MERCURY 4-STROKE VENTED OUTBOARD SPLASH** COVER



#### 67-8M0097351

F80 outboard splashcover with original Mercury -and horsepower signage. Model Year 2014.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0110409

F90 Sea Pro outboard splashcover with original Mercury and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087245

F100 outboard splashcover with original Mercury -and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0097352

F100 outboard splashcover with original Mercury -and horsepower signage. Model Year 2014

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087246

F115 outboard splashcover with original Mercury -and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0097353

F115 outboard splashcover with original Mercury -and horsepower signage. Model Year 2014.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0110410

F115 Sea Pro outboard splashcover with original Mercury and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0136134

F115 ProXS outboard splashcover with original Mercury and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087247

F150 outboard splashcover with original Mercury -and horsepower signage. Model Year 2013.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087248

F150 Verado outboard splashcover with original Mercury -and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087249

F175 Verado outboard splashcover with original Mercury -and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087250

F200 Verado outboard splashcover with original Mercury -and horsepower signage

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



# 67-8M0087251

F225 Verado outboard splashcover with original Mercury -and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087252

F250 Verado outboard splashcover with original Mercury -and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087253

F275 Verado outboard splashcover with original Mercury -and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0087254

F300 Verado outboard splashcover with original Mercury -and horsepower signage

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



# 67-8M0087255

F350 Sci Verado outboard splashcover with original Mercury -and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER\_



#### 67-8M0108695

 $\ensuremath{\mathsf{F350}}$  L6 generation outboard splashcover with original Mercury -and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH



#### 67-8M0108696

400R generation outboard splash cover with original Mercury Racing and horsepower signage

# MERCURY 2-STROKE VENTED OUTBOARD SPLASH COVER



# 67-8M0136136

OptiMax ProXS outboard splashcover with original Mercury signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



# 67-8M0136137

Verado L6 (225-300HP) white outboard splashcover with original Mercury signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0136144

Verado 400R outboard splashcover with original Mercury and horsepower signage.

# 4-STROKE VENTED SPLASH COVERS WITH QUICK PANEL ACCESS

# 4-STROKE VENTED SPLASH COVERS WITH QUICK PANEL ACCESS

The vented splash covers below include a flap so the quick access panel can be used even with the cover on.



# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0152596

F200 V6 outboard splash cover with original Mercury and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



### 67-8M0152598

F225 V6 outboard splash cover with original Mercury and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0152600

F250 V8 outboard splash cover with original Mercury and horsepower signage.

# MERCURY 4-STROKE VENTED OUTBOARD SPLASH COVER



#### 67-8M0152601

F300 V8 outboard splash cover with original Mercury and horsepower signage.

# POINT-OF-SALE PRODUCT DISPLAYS

Various groupings of extremely fast moving, high volume products will be offered throughout the near future. They will be designed to fit on this easel, providing constant messaging for your in-store customers.



# POINT-OF-SALE PRODUCT KITS

#### ANODE KIT



#### 8M0052656

Let your customers know that our Cadmium-Free anodes are good for the environment and get them thinking about having them inspected for replacement. Anodes should always be replaced when 50% deteriorated for maximum

#### Kit contains:

- (2) 31640Q 4
- (2) 821631Q 1
- (2) 806190Q 1
- (2) 76214Q 5
- (2) 806189Q 1
- (3) 826134Q
- (2) 818298Q 1
- (1) Cadmium-Free Placard
- (1) suggested plan-o-gram for displaying on our easels Applications are displayed on the back of the individual packages. Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **IMPELLER KIT**



#### 47-8M0061756

A collection of various water impeller and water pump replacement parts. These feature the best impeller material and impeller to hub bonding in the industry, display packaged to raise customer awareness. Impellers should be inspected for replacement once per year or every 100 hours of operation.

#### Kit contains:

- (2) 47- 43026Q02 Impeller

- (2) 47- 43026Q06 Impeller Repair Kit (1) 47- 85089Q 4 Impeller Repair Kit (2) 47- 42038Q02 Impeller (2) 47- 96148Q 8 Water Pump Upper Repair Kit (2) 47- 89984Q 5 Impeller Repair Kit (2) 47- 59362Q01 Impeller Repair Kit

- (1) Suggested plan-o-gram for product placement, product applications are displayed on the back of the point-of-sale packaging.

Quicksilver Branded

# POINT-OF-SALE PRODUCTS AND EASELS

# IMPELLER KIT + QUICKSILVER EASEL



#### 8M0070409

Includes 8M0061756 Impeller kit and Quicksilver Easel.

# POINT-OF-SALE PRODUCT DISPLAYS

#### **ANODE KIT + QUICKSILVER EASEL**



#### 8M0070410

Includes 8M0052656 Anode Kit and Quicksilver Easel.

# **LOGOS**

#### **MERCURY DECAL**



#### 37-8M0046011

Diecut and furnished on a premask.
1.67 (42mm) inches tall x 13.01 (330mm) inches long.
Mercury Branded

#### M-ICON



#### 37-8M0080152

Mercury Marine registered trademark icon in a polished chrome, 29mm diameter circle with Black background.

Designed for use on a flat surface.

Mercury Branded

# 37-8M0043701

Mercury Marine registered trademark icon in a polished chrome, 39mm diameter circle with Black background.

Designed for use on a flat surface.

Mercury Branded

# 37-8M0043702

Mercury Marine registered trademark icon in a polished chrome, 53mm diameter circle with Black background.

Designed for use on a flat surface.

Mercury Branded

#### 37-8M0043705

Mercury Marine registered trademark icon in a polished chrome, 60mm diameter circle with Black background.

This icon has a more flexible backing and may be installed on a slightly curved surface.

Mercury Branded

#### 37-8M0043706

Mercury Marine registered trademark icon in a polished chrome, 60mm diameter circle with Black background.

Designed for use on a flat surface.

Mercury Branded

#### 37-8M0043703

Mercury Marine registered trademark icon in a polished chrome, 66mm diameter circle with Black background.

Designed for use on a flat surface.

Mercury Branded

#### M-ICON



#### 37-8M0043700

Mercury Marine registered trademark icon in a polished chrome, 39mm diameter circle with Red background.

Designed for use on a flat surface.

Mercury Branded

#### 37-8M0043707

Mercury Marine registered trademark icon in a polished chrome, 53mm diameter circle with Red background.

Designed for use on a flat surface.

Mercury Branded

### 37-8M0043699

Mercury Marine registered trademark icon in a polished chrome, 66mm diameter circle with Red background.

Designed for use on a flat surface.

Mercury Branded

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and above	3.0L V6 TDI Diesel (Tier 3)
150 EFI FourStroke 1B905505 and above 245	3.0L V6 VM Diesel
15 HP EFI FourStroke 0R833820 and above 242	4.2L V8 TDI Diesel (Tier 3)
15 Hp FourStroke 0R235949 and above 242	
2.5-3.5 HP FourStroke 0R131842 and above 242	4.3L MPI Bravo
200-300 (6 Cyl) Verado 1B390143 and above	4.3L TKS Alpha
(prior to Gen V)	4.3L TKS Bravo
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20 Hp FourStroke 0R235168 and above 243	5 0l /5 7l MPI Alpha 255
25-30 Hp EFI FourStroke 0R106999 and	5.0L/5.7L MPI Bravo
above243	5.0L/5.7L TKS Alpha
350-400 (6 Cyl) Verado	E 01 /E 71 TVC Drave
40-50-60 Hp FourStroke 1C050252 and above	5.7 & 6.2 MPI MIE
	5.7L MPI Towsports
40 Hp (3 cyl) FourStroke 1C049739 and above	5.7L TKS MIE & Towsports
4-5-6 Hp FourStroke 0R411838 and above 242	6.2L MPI Bravo (Mercury) 256
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and above	6.7L (180/230/260/280 TCA) Diesel 259
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Outboard Service Interval Kits - Without	
Anodes	

# **OUTBOARD MAINTENANCE**

# **OUTBOARD MAINTENANCE**

# 2.5-3.5 HP FOURSTROKE 0R131842 AND ABOVE

#### **CARBURETOR REPAIR KIT**

8M0090764

**ANODE** 

823913Q

Aluminum

**INLINE FUEL FILTER** 

35-16248

An in-line fuel filter located under cowl on outboard engines

WATER IMPELLER REPAIR KIT

889246A16

Includes impeller, key, face plate and face plate gaskets.

WATER PUMP IMPELLER

47-16154 3

**SPARK PLUG** 

33-803507

NGK, DCPR6E, check and set gap per owner's manual or the emissions control information decal if present.

**THERMOSTAT** 

804540

52 degrees Centigrade, 126 degrees Fahrenheit

# 4-5-6 HP FOURSTROKE 0R411838 AND ABOVE

#### **CARBURETOR REPAIR KIT**

8M0044575

Includes new float, float pin, inlet needle, bowl gasket and flange gaskets.

**ANODE** 

823912

Aluminum, Round style.

875208

Square style.

**INLINE FUEL FILTER** 

35- 16248

An in-line fuel filter located under cowl on outboard engines

WATER IMPELLER REPAIR KIT

16159A03

WATER PUMP IMPELLER

47-16154 3

**SPARK PLUG** 

33-803507

NGK, DCPR6E, check and set gap per owner's manual or the emissions control information decal if present.

**THERMOSTAT** 

804540

52 degrees Centigrade, 126 degrees Fahrenheit

# 8-9.9 HP FOURSTROKE 0R042475 AND ABOVE

# CARBURETOR REPAIR KIT

8M0044576

Includes new float, float pin, inlet needle, bowl gasket, air box o-ring and flange gaskets.

TRIM TAB ANODE

853762T01

Zinc

**ANODE** 

875208

Square style.

**INLINE FUEL FILTER** 

35- 16248

An in-line fuel filter located under cowl on outboard engines.

#### WATER IMPELLER REPAIR KIT

47-803748Q01

Includes new impeller and face plate.

47-803748Q02

Includes new impeller and face plate.

#### WATER PUMP IMPELLER

47-803748

47-803748 1

#### **SPARK PLUG**

33-803507

NGK, DCPR6E, check and set gap per owner's manual or the emissions control information decal if present.

### 15 HP FOURSTROKE 0R235949 AND ABOVE

#### **TRIM TAB ANODE**

853762T01

Zinc

ANODE

875208

Square style

#### **INLINE FUEL FILTER**

35- 16248

An in-line fuel filter located under cowl on outboard engines.

#### FOURSTROKE OUTBOARD OIL FILTER

35-822626Q03

FourStroke Outboard replaceable screw-on type canister filters.

#### WATER IMPELLER REPAIR KIT

46-8M0122064

#### WATER PUMP IMPELLER

47-803748

**SPARK PLUG** 

33-803507

NGK, DCPR6E, check and set gap per owner's manual or the emissions control information decal if present.

# 15 HP EFI FOURSTROKE 0R833820 AND ABOVE

**FUEL FILTER** 

35-8M0134466

# FOURSTROKE OUTBOARD OIL FILTER

35-822626Q03

FourStroke Outboard replaceable screw-on type canister filters.

COMPLETE WATER PUMP KIT

98-8M0135821

Includes both upper & lower housings, gaskets, plate and impeller.

# HEAVY ABRASION RESISTANT WATER PUMP

8M0137849

Heavy duty face plate and housing designed to improve life in highly abrasive water conditions.

#### **WATER PUMP IMPELLER**

47-8M0135803

#### **SPARK PLUG**

33-803507

NGK, DCPR6E, check and set gap per owner's manual or the emissions control information decal if present.

#### **THERMOSTAT**

8M0139434

125 Degrees

# 20 HP FOURSTROKE 0R235168 AND ABOVE

#### **TRIM TAB ANODE**

853762T01

7inc

#### **ANODE**

875208

Square style.

#### **INLINE FUEL FILTER**

35- 16248

An in-line fuel filter located under cowl on outboard engines.

#### FOURSTROKE OUTBOARD OIL FILTER

35-822626Q03

FourStroke Outboard replaceable screw-on type canister filters.

#### WATER IMPELLER REPAIR KIT

46-8M0122064

# WATER PUMP IMPELLER

47-803748

# SPARK PLUG

33-803507

NGK, DCPR6E, check and set gap per owner's manual or the emissions control information decal if present.

# 20 HP EFI FOURSTROKE 0R833820 AND ABOVE

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Includes both upper & lower housings, gaskets, plate and impeller.

#### HEAVY ABRASION RESISTANT WATER PUMP 8M0137849

Heavy duty face plate and housing designed to improve life in highly abrasive water conditions.

#### WATER PUMP IMPELLER

47-8M0135803

#### SPARK PLUG

33-803507

NGK, DCPR6E, check and set gap per owner's manual or the emissions control information decal if present.

#### **THERMOSTAT**

8M0139434

125 Degrees

# 25-30 HP EFI FOURSTROKE 0R106999 AND ABOVE

#### **TRIM TAB ANODE**

853762

Zinc

#### ANODE

804043

823912002

Aluminum

#### **FUEL FILTER KIT**

35-8M0088825

#### FOURSTROKE OUTBOARD OIL FILTER

35-822626Q03

FourStroke Outboard replaceable screw-on type canister filters.

#### IMPELLER REPAIR KIT

853792A07

#### WATER PUMP IMPELLER

47-16154 1

Various 25-20 Hp. FourStroke and 2-cycle outboards.

#### **SPARK PLUG**

33-803507

NGK, DCPR6E, check and set gap per owner's manual or the emissions control information decal if present.

# 40 HP (3 CYL) FOURSTROKE 1C049739 AND ABOVE

#### TRIM TAB

822157T03

17264T 2

#### **POWER TRIM ANODE**

818298Q 1

Aluminum

Located on the bottom of the external power trim pump assembly.

#### 818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.

#### SIDE POCKET ANODE

826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

#### 826134T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter

#### **INLINE FUEL FILTER**

35-879884T

A cartridge type fuel filter located under the cowl on outboard engines.

# FOURSTROKE OUTBOARD OIL FILTER

35-8M0065103

FourStroke Outboard replaceable screw-on type canister filters.

#### **COMPLETE WATER PUMP**

46-812966A12

Includes both upper and lower housings, gaskets, key, O-ring, plate, and impeller

#### WATER PUMP IMPELLER

47-19453T

Various 30-60 Hp. FourStroke outboards.

#### THERMOSTAT KIT

855676A 1

Includes 120 degree thermostat and gaskets.

#### TIMING BELT

57-8M0065179

# **OUTBOARD MAINTENANCE**

# 40-50-60 HP FOURSTROKE 1C050252 AND ABOVE

#### **TRIM TAB**

#### 31640T07

EDP - Black, this painted tab will not perform an anodic function.

# POWER TRIM ANODE

#### 818298Q 1

Aluminum

Located on the bottom of the external power trim pump assembly.

#### 818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.

#### SIDE POCKET ANODE

#### 826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

#### 826134T

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter.

#### **INLINE FUEL FILTER**

35-879884T

A cartridge type fuel filter located under the cowl on outboard engines.

#### FOURSTROKE OUTBOARD OIL FILTER

35-8M0065103

FourStroke Outboard replaceable screw-on type canister filters.

#### **COMPLETE WATER PUMP**

46-812966A12

Includes both upper and lower housings, gaskets, key, O-ring, plate, and impeller

#### 46-8M0113801

Includes both upper & lower housings, gaskets, plate and impeller.

#### WATER PUMP IMPELLER

47-19453T

Various 30-60 Hp. FourStroke outboards

47-43026T 2

#### **THERMOSTAT**

14586

120 Degrees

#### **TIMING BELT**

57-8M0065179

# **75-90-115 HP FOURSTROKE 2B094996 AND ABOVE**

### **TRIM TAB**

### 8M0091534

EDP painted, this tab does not provide anodic protection.

#### **ANODIC PLATE**

# 76214Q 5

Aluminum

Provides additional clearance for high rake propellers.

#### POWER TRIM ANODE

### 818298Q 1

Aluminum

Located on the bottom of the external power trim pump assembly.

#### 818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.

#### SIDE POCKET ANODE

#### 826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

#### 826134T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter

#### FOURSTROKE OUTBOARD OIL FILTER

#### 35-8M0065103

FourStroke Outboard replaceable screw-on type canister filters.

#### **COMPLETE WATER PUMP**

#### 8M0094529

Includes upper and lower housings, gaskets, plate, seals, key and impeller.

#### WATER PUMP IMPELLER

47-43026T 2

#### **SPARK PLUG**

33-8M0057936

NGK, ZFR5F, check and set gap per owner's manual or the emissions control information decal if present.

#### THERMOSTAT ASSEMBLY

8M0090819

Includes thermostat and housing

# 75-90-115 HP FOURSTROKE 1B366823-2B094995

#### **TRIM TAB**

#### 31640T07

EDP - Black, this painted tab will not perform an anodic function.

#### **POWER TRIM ANODE**

#### 818298Q 1

Aluminum

Located on the bottom of the external power trim pump assembly.

#### 818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.

#### SIDE POCKET ANODE

#### 826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

#### 826134T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

# **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter.

#### FOURSTROKE OUTBOARD OIL FILTER

#### 35-877761Q01

Replaceable screw-on type canister filter.

#### AIR FILTER

35-8M0082911

#### COMPLETE WATER PUMP

46-8M0113799

Includes both upper & lower housings, gaskets, plate and impeller.

#### WATER PUMP IMPELLER

47-43026T 2

# SPARK PLUG

33-898829001

NGK, LFR4A-E, check and set gap per owner's manual or the emissions control information decal if present.



#### **THERMOSTAT**

892864T06

Includes thermostat and housing.

#### **ALTERNATOR BELT**

57-897574Q01

75-115 EFI 1.7L FourStroke outboard

# 75-90-115 OPTIMAX (1.5L) 1B227000 AND ABOVE

#### **TRIM TAB**

31640T07

EDP - Black, this painted tab will not perform an anodic function.

31640T 6

Magnesium - For freshwater use only. Do not use in Saltwater applications.

#### **POWER TRIM ANODE**

818298Q 1

Aluminum

Located on the bottom of the external power trim pump assembly.

818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.

#### SIDE POCKET ANODE

826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

826134T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### IN-LINE OIL FILTER

35-875284T01

In-line oil filter

#### **FUEL FILTER ELEMENT**

35-8M0122423

Under cowl replacement cartridge where applicable.

#### **COMPLETE WATER PUMP**

46-8M0113799

Includes both upper & lower housings, gaskets, plate and impeller.

#### WATER PUMP IMPELLER

47-43026T 2

#### **SPARK PLUG**

3-892567Q

NGK IZFR5J, check and set gap per owner's manual or the emissions control information decal if present.

#### **THERMOSTAT**

833072004

62 degrees Centigrade, 143 degrees Fahrenheit.

#### ALTENATOR BELT

57-8M0026410

75-125 Hp. 3 cylinder (1.5L) Optimax outboard

# 75-90-115/115 PRO XS HP FOURSTROKE 2B094996 AND ABOVE

#### **TRIM TAB**

8M0091534

EDP painted, this tab does not provide anodic protection.

### **ANODIC PLATE**

76214Q 5

Provides additional clearance for high rake propellers.

#### POWER TRIM ANODE

#### 818298Q 1

Aluminum

Located on the bottom of the external power trim pump assembly

#### 818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.

#### SIDE POCKET ANODE

826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter

#### **FUEL FILTER SCREEN**

35-8M0090809

In-line, under cowl fuel filter

#### FOURSTROKE OUTBOARD OIL FILTER

35-8M0065103

FourStroke Outboard replaceable screw-on type canister filters.

#### COMPLETE WATER PUMP

8M0094529

Includes upper and lower housings, gaskets, plate, seals, key and impeller.

#### WATER PUMP IMPELLER

47-43026T 2

#### SPARK PLUG

3-8M0057936

NGK, ZFR5F, check and set gap per owner's manual or the emissions control information decal if present.

#### THERMOSTAT ASSEMBLY

8M0090819

Includes thermostat and housing.

# 150 EFI FOURSTROKE 1B905505 AND ABOVE

#### ANODIC PLATE 76214Q 5

Aluminum Provides additional clearance for high rake propellers.

Magnesium - For freshwater use only. Do not use in saltwater applications.

#### POWER TRIM ANODE

Aluminum. Located on the bottom of the external power trim assembly.

### SIDE POCKET ANODE

826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter.

### INLINE FUEL FILTER

35-8M0057677

High pressure in-line fuel filter to fuel rail.

#### **FUEL FILTER SCREEN**

35-8M0090809

In-line, under cowl fuel filter

# **OUTBOARD MAINTENANCE**

#### FOURSTROKE OUTBOARD OIL FILTER

35-877761Q01

Replaceable screw-on type canister filter.

#### **COMPLETE WATER PUMP**

8M0094529

Includes upper and lower housings, gaskets, plate, seals, key and impeller.

### WATER PUMP IMPELLER

47-43026T 2

### **SPARK PLUG**

33-8M0057936

NGK, ZFR5F, check and set gap per owner's manual or the emissions control information decal if present.

#### **THERMOSTAT**

892864T06

Includes thermostat and housing

## **ALTERNATOR BELT**

57-8M0031641

# V-6 OPTIMAX (2.5L, NON-PRO MODELS) 1B227000 AND ABOVE

#### **ANODIC PLATE**

76214Q 5

Aluminum

Provides additional clearance for high rake propellers.

76214A 6

Magnesium - For freshwater use only. Do not use in saltwater applications.

#### **POWER TRIM ANODE**

818298Q 1

Aluminum

Located on the bottom of the external power trim pump assembly.

#### 818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.

# SIDE POCKET ANODE

826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

#### 826134T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### IN-LINE OIL FILTER

35-875284T01

In-line oil filter

### WATER SEPARATING FUEL FILTER

35-18458Q4

Water separating fuel filter with the blue screw-in sensor.

#### WATER PUMP UPPER REPAIR KIT

46-96148Q8

Includes plastic pump housing assembly, impeller, face plate, gaskets, drive key or pin, water tube guide sleeve, "O" rings and gearlube fill & vent screw seals. (Base not included)

#### WATER PUMP IMPELLER

47-89984T 4

### **SPARK PLUG**

33-889597Q

NGK, IZFR5G, check and set gap per owner's manual or the emissions control information decal if present.

#### **THERMOSTAT**

833072003

62 degrees Centigrade, 143 degrees Fahrenheit

#### **ALTERNATOR BELT**

57-828507Q 4

135/150/175 Optimax, 2.5L DFI outboard

# V-6 OPTIMAX (3.0L, NON-PRO MODELS) 1B227000 AND ABOVE

#### **ANODIC PLATE**

76214Q 5

Aluminum

Provides additional clearance for high rake propellers

#### 76214A 6

Magnesium - For freshwater use only. Do not use in saltwater applications.

#### **POWER TRIM ANODE**

818298Q 1

Aluminum

Located on the bottom of the external power trim pump assembly.

#### 818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.

#### SIDE POCKET ANODE

826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

#### 92642AT 2

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### IN-LINE OIL FILTER

35-875284T01

In-line oil filter

#### **FUEL FILTER ELEMENT**

35-8M0122423

Under cowl replacement cartridge where applicable

#### **WATER PUMP IMPELLER**

47-43026T 2

### **SPARK PLUG**

33-843220Q

NGK, LZFR6J, check and set gap per owner's manual or the emissions control information decal if present.

#### **THERMOSTAT**

8M0057307

54 Degrees Centigrade, 130 Degrees Fahrenheit

#### **BELT - ALTERNATOR**

57-828507Q 5

# 135-150-175-200 (4 CYLINDER) VERADO 1B311420 AND ABOVE

## **ANODIC PLATE**

76214Q 5

Aluminun

Provides additional clearance for high rake propellers.

#### 76214A 6

Magnesium - For freshwater use only. Do not use in saltwater applications.

# POWER TRIM ANODE

818298Q 1

Aluminun

Located on the bottom of the external power trim pump assembly.

#### 818298T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located on the bottom of the external power trim pump assembly.



#### SIDE POCKET ANODE

#### 826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

#### 826134T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter

#### **FUEL FILTER ELEMENT**

35-8M0122423

Under cowl replacement cartridge where applicable.

### FOURSTROKE OUTBOARD OIL FILTER

35-877767Q01

Replaceable screw-on type canister filter. Replaces the production 896546\_ series oil filter.

#### **AIR FILTER**

35-896247

#### **COMPLETE WATER PUMP**

817275A09

Includes both upper and lower housings, gaskets, seals, key, Oil-carrier, retaining ring, plate, and impeller.

#### WATER PUMP IMPELLER

7-43026T 2

#### **SPARK PLUG**

3-889246Q39

NGK, ILFR6GE, check and set gap per owner's manual or the emissions control information decal if present.

#### THERMOSTAT ASSEMBLY

892864T04

Includes thermostat and housing

#### ALTERNATOR BELT

57-880566Q14

6 cylinder Verado

# 200-300 (6 CYL) VERADO 1B390143 AND ABOVE (PRIOR TO GEN V)

### **ANODIC PLATE**

76214Q 5

Aluminum

Provides additional clearance for high rake propellers

76214A 6

Magnesium - For freshwater use only. Do not use in saltwater applications

#### **POWER TRIM ANODE**

880653

Aluminum Power Trim

893404

Multiple pieces may be required per engine application.

#### SIDE POCKET ANODE

826134Q

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

826134T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter.

#### FUEL FILTER ELEMENT

35-8M0122423

Under cowl replacement cartridge where applicable.

#### FOURSTROKE OUTBOARD OIL FILTER

35-877769Q01

Replaceable screw-on type canister filter. Replaces the production 883701\_ series

#### AIR FILTER

35-893318T02

#### COMPLETE WATER PUMP

817275A09

Includes both upper and lower housings, gaskets, seals, key, Oil-carrier, retaining ring, plate, and impeller.

#### 8M0078858

Includes water impeller, upper and lower housings, face plate, gaskets, drive key, face seal and water tube coupling.

#### WATER PUMP IMPELLER

47-43026T 2

#### SPARK PLUG

33-889246Q39

NGK, ILFR6GE, check and set gap per owner's manual or the emissions control information decal if present

#### THERMOSTAT ASSEMBLY

892864T04

Includes thermostat and housing.

#### ALTERNATOR BELT

57-880566Q14

6 cylinder Verado

# 200-300 (6 CYL) VERADO 2B144123 AND ABOVE (GEN V)

#### ANODIC PLATE

76214T 5

Aluminum

Provides additional clearance for high rake propellers.

#### 76214A 6

Magnesium - For freshwater use only. Do not use in saltwater applications.

#### POWER TRIM ANODE

880653

Aluminum, Power Trim

#### 893404

Multiple pieces may be required per engine application.

#### SIDE POCKET ANODE

826134T

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

#### 826134T 3

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### FUEL FILTER SCREEN

35-8M0090809

In-line, under cowl fuel filter

#### **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter.

### **FUEL FILTER SCREEN**

35-8M0090809

In-line, under cowl fuel filter

# **OUTBOARD MAINTENANCE**

#### WATER SEPARATING FUEL FILTER

#### 35-8M0095659

Designed smaller to better fit the hand, the internal holding capacity of this filter is as great as our standard filter. A new o-ring for the water sensor is included with each filter.

#### FOURSTROKE OUTBOARD OIL FILTER

#### 35-877769K01

Replaceable screw-on type canister filter.

#### **AIR FILTER**

35-893318T02

#### **COMPLETE WATER PUMP**

#### 817275A09

Includes both upper and lower housings, gaskets, seals, key, Oil-carrier, retaining ring, plate, and impeller.

#### 8M0078858

Includes water impeller, upper and lower housings, face plate, gaskets, drive key, face seal and water tube coupling.

#### **WATER PUMP IMPELLER**

47-43026T 2

#### **SPARK PLUG**

#### 33-889246Q39

NGK, ILFR6GE, check and set gap per owner's manual or the emissions control information decal if present.

#### THERMOSTAT ASSEMBLY

#### 892864T04

Includes thermostat and housing

#### **ALTERNATOR BELT**

57-880566Q14

6 cylinder Verado

## 350-400 (6 CYL) VERADO

#### **ANODIC PLATE**

#### 76214T 5

Aluminum

Provides additional clearance for high rake propellers.

#### 76214A 6

Magnesium - For freshwater use only. Do not use in saltwater applications.

#### ANODE

#### 8M0012083

Corrosion protection.

#### **POWER TRIM ANODE**

893404

Multiple pieces may be required per engine application.

#### SIDE POCKET ANODE

#### 826134T

Aluminum

Located in side pockets on the gearhousing just above the cavitation plate.

#### 826134T

Magnesium - For freshwater use only. Do not use in saltwater applications. Located in side pockets on the gearhousing just above the cavitation plate.

#### **FUEL FILTER**

35-879885Q

In-line, under cowl fuel filter.

#### **FUEL FILTER SCREEN**

35-8M0090809

In-line, under cowl fuel filter

35-8M0090809

In-line, under cowl fuel filter

#### **FUEL FILTER ELEMENT**

35-8M0122423

Under cowl replacement cartridge where applicable

#### FOURSTROKE OUTBOARD OIL FILTER

35-877769K01

Replaceable screw-on type canister filter.

#### **AIR FILTER**

35-893318T02

#### **COMPLETE WATER PUMP**

#### 817275A09

Includes both upper and lower housings, gaskets, seals, key, Oil-carrier, retaining ring, plate, and impeller.

#### 8M0078858

Includes water impeller, upper and lower housings, face plate, gaskets, drive key, face seal and water tube coupling.

#### WATER PUMP IMPELLER

47-43026T 2

#### **SPARK PLUG**

33-889246Q39

NGK, ILFR6GE, check and set gap per owner's manual or the emissions control information decal if present.

#### THERMOSTAT ASSEMBLY

892864T04

Includes thermostat and housing

#### **ALTERNATOR BELT**

57-880566Q14

6 cylinder Verado

# "NEW" 175-300HP V6 (3.4L) & V8 (4.6L)

#### **ANTI VENT PLATE**

97-8M0137814

Aluminum

#### **POWER TRIM ANODE**

#### 818298Q 1

Aluminum

Located on the bottom of the external power trim pump assembly.

# 893404

Multiple pieces may be required per engine application.

### 880653

Aluminum, Power Trim

## WATER SEPARATING FUEL FILTER - ON ENGINE

#### 35-8M0106635

This filter separates water from fuel as it removes other impurities. Fuel contaminated water can result in poor engine performance, stalling and damage to the fuel system.10 Micron filtration.

#### WATER SEPARATING FUEL FILTER - BOAT MOUNTED

35-8M0126144

Removes 99% of water and other impurities from gasoline. 10 Micron filtration over 95% efficiency.

#### FOURSTROKE OUTBOARD OIL FILTER

35-8M0123025

Replaces screw-on canister filters. Requires filter wrench #889277

#### **WATER PUMP IMPELLER**

47-43026Q02

### WATER PUMP REPAIR KIT

98-8M0142980

Includes: Water pump gasket, face plate, face plate gasket, key, impeller, face seal, drain plug seal, water pump gasket, o-ring, actuator seal and face seal tool.

#### SPARK PLUG

33-8M0135348

NGK Iridium IX - LART7C-9, check and set gap per owner's manual or the emissions control information decal if present.

# THERMOSTAT 8M0137816

140 Degrees

# **ALTERNATOR BELT**

57-8M0142251

Replace every 300hrs. or every 3 years.

# **OUTBOARD SERVICE INTERVAL KITS**

## **OUTBOARD SERVICE INTERVAL KITS**

# **OUTBOARD SERVICE INTERVAL KITS**

### 300 HOUR SERVICE KIT

#### 8M0120836

Fuel filter, oil drain seal, 2 - gearcase drain seals, thermostat, thermostat gasket, spark plug, impeller kit, anode.

4/5/6 HP EFI 0R411838 and above

Mercury Branded

## 8M0120837

Fuel filter, oil drain seal, 2 - gear case drain seals, thermostat, thermostat gasket, 2 - spark plugs, impeller kit, anode

8/9.9 HP Standard gearcase only 0R042475 and above

Mercury Branded

#### 8M0120867

Fuel filter, oil drain seal, 2- gear case drain seals, thermostat, thermostat gasket, 2 - spark plugs, impeller kit, anode

8/9.9 HP Command Thrust only 0R042475 and above

Mercury Branded

#### 8M0120838

Oil Filter, fuel filter, oil drain seal, 3- gearcase drain seals, thermostat, thermostat gasket, 2- spark plugs, impeller kit, anode

15/20 HP 0R235949 - 0R833819

Mercury Branded

# 100 HOUR SERVICE KIT

#### 8M0151469

Oil filter, fuel filter, oil drain seal, 2 gearcase drain seals 15/20 EFI FourStroke S/N: 0R833820 & above Mercury Branded, Box Point of Sale Packaged.

# 300 HOUR SERVICE KIT

#### 8M0151470

Oil filter, fuel filter, oil drain seal, 2 gearcase drain seals, thermostat and gasket, impeller kit, 2 spark plugs, anodes

15/20 EFI FourStrokes S/N: 0R833820 & above

Mercury Branded

#### 8M0120839

Oil filter, fuel filter, oil drain seal, 2- gearcase drain seals, thermostat, thermostat gasket, 3- spark plugs, impeller kit, anode

25/30 HP 0R106999 and above

Mercury Branded

### **100 HOUR SERVICE KIT**



#### 8M0090558

Oil filter, low & high pressure fuel filter, oil drain seal, 2-gearcase drain seals, thermostat and 2-thermostat gaskets

40-60 EFI 4Cyl. 4 Stroke

Mercury Branded

#### **300 HOUR SERVICE KIT**



#### 8M0090559

Oil filter, low & high pressure fuel filter, oil drain seal, 2-gearcase drain seals, thermostat, 2-thermostat gaskets, 4-spark plugs, water impeller kit, power trim adode and lower unit anode.

40-60 EFI 4Cyl. 4 Stroke (BigFoot and CT gearcases only)

Mercury Branded

## 300 HOUR SERVICE KIT



#### 8M0113483

Oil filter, low & high pressure fuel filter, oil drain seal, 2-gearcase drain seals, thermostat, 2-thermostat gaskets, 4-spark plugs, water impeller kit, power trim anode and lower unit anode.

40-60HP 4Cyl.EFI Fourstroke (standard gearcase only)

Mercury Branded

### **100 HOUR SERVICE KIT**



#### 8M0097856

Oil filter, fuel filter, oil drain seal and 2-gearcase drain seals 75-115HP FourStroke (1.7L) S/N:1B366823 - 2B094995 Mercury Branded

### 300 HOUR SERVICE KIT



#### 8M0097857

Oil filter, fuel filters, oil drain seal, 2-gearcase drain seals, 4-spark plugs, thermostat kit, water impeller kit, belt, power trim and lower unit anode. 75-115HP FourStroke (1.7L) S/N:1B366823 - 2B094995 Mercury Branded

#### **100 HOUR SERVICE KIT**



#### 8M0097854

Oil filter, fuel filter and gearcase drain seal 75-115HP FourStroke (2.1L) S/N:2B094996 and Up Mercury Branded

### **300 HOUR SERVICE KIT**



#### 8M0097855

Oil filter, fuel filters, gearcase drain seal, 4-spark plugs, thermostat kit, water impeller kit, power trim and lower unit anode.
75-115HP FourStroke (2.1L) S/N:2B094996 and Up
Mercury Branded

#### **100 HOUR SERVICE KIT**



### 8M0094232

Oil filter, low & fuel filter, gearcase drain seal. 150HP EFI 4 Stroke Mercury Branded

### **300 HOUR SERVICE KIT**



#### 8M0094233

Oil filter, low & high pressure fuel filter, gearcase drain seal, 4-spark plugs, thermostat kit, water impeller kit, belt, 2-lower unit anodes and power trim anode 150HP EFI 4 Stroke

Mercury Branded

### **300 HOUR SERVICE KIT**

Image not Available.

#### 8M0130835

Oil filter, 2-fuel filters, oil drain seal, 2-gearcase drain seals, thermostat, spark plugs, water impeller kit, drive belt, and anode kit.

L4 Verado FourStroke

Mercury Branded

### **100 HOUR SERVICE KIT**



### 8M0097858

Oil filter, fuel filter, oil drain seal and 2-gearcase drain seals L6 Verado FourStroke (2B144122 and below) Mercury Branded

## **300 HOUR SERVICE KIT**



#### 8M0097859

Oil filter, low & high pressure fuel filter, oil drain seal, 2-gearcase drain seals, 6-spark plugs, thermostat kit, water impeller kit, belt and anode kit. L6 Verado FourStroke (2B144122 & Below) Mercury Branded

# **OUTBOARD SERVICE INTERVAL KITS**

### **100 HOUR SERVICE KIT**



#### 8M0120657

Oil filter, fuel filter, oil drain seal and 2-gearcase drain seals. L6 Verado (2B144123 & above) Mercury Branded

### **300 HOUR SERVICE KIT**



#### 8M0133617

Oil filter, spin-on fuel filter, high pressure fuel filter screen, oil drain seal, 2-gearcase drain seals, 6-spark plugs, thermostat kit, water impeller kit, belt and anode kit.

L6 Verado FourStroke (2B144123 and above) Mercury Branded

# 100 HR SERVICE KIT

Image not Available.

### 8M0149929

Oil filter, fuel filter and 2-gearcase drain seals.

Fits: 'NEW" 175-300HP V6 (3.4L) & V8 (4.6L) FourStroke outboards. Mercury Branded

### 300 HOUR SERVICE KIT

### 8M0149930

Oil filter, fuel filter, 2-oil drain seals, spark plugs, thermostat, alternator belt, water pump repair kit and anodes.

V6 (3.4L) FourStroke outboards

Mercury Branded

### 8M0149931

Oil filter, fuel filter, 2-oil drain seals, spark plugs, thermostat, alternator belt, water pump repair kit and anodes.

V8 (4.6L) CMS/ SeaPro & ProXS FourStroke outboards Mercury Branded

#### 8M0149932

Oil filter, fuel filter, 2-oil drain seals, spark plugs, thermostat, alternator belt, water pump repair kit and anodes.

V8 (4.6L) Verado & Verado SeaPro

Mercury Branded

# OUTBOARD SERVICE INTERVAL KITS - WITHOUT ANODES

### 300 HOUR SERVICE KIT - NO ANODES



#### 8M0149427

This kit was designed for the heavy hour customer that does not need to replace anodes every 300 hours. Kit includes: Oil filter, fuel filter, 2-oil drain seals, spark plugs, thermostat, alternator belt, water impeller repair kit. NO ANODES INCLUDED

L6 Verado FourStroke (2B144122 and below) Mercury Branded

### 300 HOUR SERVICE KIT - NO ANODES



#### 8M0149428

This kit was designed for the heavy hour customer that does not need to replace anodes every 300 hours. Kit includes: Oil filter, fuel filter, 2-oil drain seals, spark plugs, thermostat, alternator belt, water impeller repair kit. NO ANODES INCLUDED

L6 Verado (2B144123 & above) Mercury Branded

# **MERCRUISER MAINTENANCE**

# **3.0L TKS**

**CAP AND ROTOR KIT** 

811635Q 2

**SPARK PLUG** 

**33-816336Q** NGK, BPR6EFS

**CARBURETOR FUEL FILTER** 

35-53336Q

**CARBURETOR REPAIR KIT** 

3302-804844002

**FUEL PUMP FILTER** 

35-8M0046752

THERMOSTAT KIT

807252Q 5

160 degree

**V-BELT** 

57-862054Q

39-1/2 in. (1003 mm) length

57- 65607Q

37 in. (940 mm) length

**OIL FILTER** 

35-866340Q03

# **3.0L MPI**

**CAP AND ROTOR KIT** 

811635Q 2

**SPARK PLUG** 

33-816336Q

NGK, BPR6EFS

**FUEL FILTER** 

35-866594Q01

10 micron

THERMOSTAT KIT

807252Q 5

160 degree

**V-BELT** 

57-862054Q

39-1/2 in. (1003 mm) length

57- 65607Q

37 in. (940 mm) length

OIL FILTER

35-866340Q03

# 4.3L TKS ALPHA

**CAP AND ROTOR KIT** 

815407T 5

**SPARK PLUG** 

33-862029

AC, MR43LTS

**CARBURETOR FUEL FILTER** 

35- 53336Q

**CARBURETOR REPAIR KIT** 

3302-804844002

WATER SEPARATING FUEL FILTER

35-802893Q01

25 micron

**PCV VALVE** 

8M0065285

THERMOSTAT KIT

807252Q 5

160 degree

**THERMOSTAT** 

864493

170 degree, FWC

**SERPENTINE BELT** 

57-865615Q04

1941 mm length

57-865615Q09

1780 mm length

57-865615Q03

2704 mm length

**OIL FILTER** 

35-883702K

w/o remote oil

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

# 4.3L TKS BRAVO

**CAP AND ROTOR KIT** 

815407T 5

**SPARK PLUG** 

33-862029

AC, MR43LTS

CARBURETOR FUEL FILTER

35- 53336Q

CARBURETOR REPAIR KIT

3302-804844002

WATER SEPARATING FUEL FILTER

35-802893Q01

25 micron

**PCV VALVE** 

8M0065285

THERMOSTAT KIT

807252Q 5

160 degree

THERMOSTAT

864493

170 degree, FWC

**SERPENTINE BELT** 

57-865615Q03

2704 mm length

57-865615Q08

2535 mm length

OIL FILTER

35-883702K

w/o remote oil

35-866340Q03

# **MERCRUISER MAINTENANCE**

#### **SEA WATER PUMP IMPELLER KIT**

47-8M0104229

## 4.3L MPI ALPHA

**CAP AND ROTOR KIT** 

898253T28

**SPARK PLUG** 

33-8M2018369

NGK, ITR4A15 (Iridium)

WATER SEPARATING FUEL FILTER

35-802893Q01

25 micron

**PCV VALVE** 

8M0065285

THERMOSTAT KIT

807252Q 5

160 degree

**THERMOSTAT** 

864493

170 degree, FWC

**SERPENTINE BELT** 

57-865615Q04

1941 mm length

57-865615Q09

1780 mm length

57-865615Q03

2704 mm length

**OIL FILTER** 

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

# 4.3L MPI BRAVO

**CAP AND ROTOR KIT** 

898253T28

**SPARK PLUG** 

33-8M2018369

NGK, ITR4A15 (Iridium)

WATER SEPARATING FUEL FILTER

35-802893Q01

25 micron

**PCV VALVE** 

8M0065285

THERMOSTAT KIT

807252Q 5

160 degree

**THERMOSTAT** 

864493

170 degree, FWC

**SERPENTINE BELT** 

57-865615Q03

2704 mm length

57-865615Q08

2535 mm length

**OIL FILTER** 

35-866340Q03

#### SEA WATER PUMP IMPELLER KIT

47-8M0104229

## 4.5L MPI ALPHA

**SPARK PLUG** 

33-8M0095454

NGK, BPR5EFS-13

**FUEL FILTER ELEMENT** 

35-8M0122423

Under cowl replacement cartridge where applicable.

**PCV VALVE** 

21-8M2017060

**THERMOSTAT** 

8M0089715

140 degree

864493

170 degree, FWC

**SERPENTINE BELT** 

57-8M0087881

1409 mm Length

57-8M0088876

1687 mm length

**OIL FILTER** 

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

## 4.5L MPI BRAVO

**SPARK PLUG** 

33-8M0095454

NGK, BPR5EFS-13

**FUEL FILTER ELEMENT** 

35-8M0122423

Under cowl replacement cartridge where applicable.

**PCV VALVE** 

21-8M2017060

**THERMOSTAT** 

**8M0089715** 140 degree

864493

170 degree, FWC

**SERPENTINE BELT** 

57-8M0097728

1713 mm length

57-8M0088876

1687 mm length

**OIL FILTER** 

35-866340Q03

SEA WATER PUMP IMPELLER KIT

47-8M0104229

# 5.0L/5.7L TKS ALPHA

**CAP AND ROTOR KIT** 

805759Q 3

**SPARK PLUG** 

33-816336Q

NGK, BPR6EFS

**CARBURETOR FUEL FILTER** 

35-53336Q

CARBURETOR REPAIR KIT

3302-804844002

WATER SEPARATING FUEL FILTER

35-802893Q01

25 micron

**PCV VALVE** 

21-8M2017060

THERMOSTAT KIT

807252Q 5

160 degree

**SERPENTINE BELT** 

57-865615Q04

1941 mm length

57-865615Q09

1780 mm length

OIL FILTER

35-866340Q03

# 5.0L/5.7L TKS BRAVO

**CAP AND ROTOR KIT** 

805759Q3

**SPARK PLUG** 

33-816336Q

NGK, BPR6EFS

**CARBURETOR FUEL FILTER** 

35-53336Q

**CARBURETOR REPAIR KIT** 

3302-804844002

WATER SEPARATING FUEL FILTER

35-802893Q01

25 micron

**PCV VALVE** 

21-8M2017060

THERMOSTAT KIT

807252Q 5

160 degree

**SERPENTINE BELT** 

57-865615Q03

2704 mm length

57-865615Q08

2535 mm length

**OIL FILTER** 

35-866340Q03

SEA WATER PUMP IMPELLER KIT

47- 59362T 6

# 5.0L/5.7L MPI ALPHA

**CAP AND ROTOR KIT** 

8M0061335

SPARK PLUG

33-8M2018369

NGK, ITR4A15 (Iridium)

#### WATER SEPARATING FUEL FILTER

35-802893Q01

25 micron

PCV VALVE

21-8M2017060

THERMOSTAT KIT

807252Q 5

160 degree

SERPENTINE BELT

57-865615Q04

1941 mm length

57-865615Q09

1780 mm length

57-865615Q08

2535 mm length

**OIL FILTER** 

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

# 5.0L/5.7L MPI BRAVO

**CAP AND ROTOR KIT** 

8M0061335

**SPARK PLUG** 

33-8M2018369

NGK, ITR4A15 (Iridium)

WATER SEPARATING FUEL FILTER

35-8M0093688

Replacement filter

**PCV VALVE** 

21-8M2017060

THERMOSTAT KIT

807252Q 5

160 degree

THERMOSTAT

864493

170 degree, FWC

SERPENTINE BELT

57-865615Q03

2704 mm length

57-865615Q06

2667 mm length

57-865615Q08

2535 mm length

OIL FILTER

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

# 5.7L TKS MIE & TOWSPORTS

CAP AND ROTOR KIT

805759Q 3

**SPARK PLUG** 

33-**816336Q** NGK. BPR6EFS

CARBURETOR FUEL FILTER

35- 53336Q

# **MERCRUISER MAINTENANCE**

**CARBURETOR REPAIR KIT** 

3302-804844002

WATER SEPARATING FUEL FILTER

35-802893Q01

25 micron

**PCV VALVE** 

21-8M2017060

THERMOSTAT KIT

807252Q 5

160 degree

**SERPENTINE BELT** 

57-865615Q05

2233 mm length

**OIL FILTER** 

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-59362T 6

# **5.7L MPI TOWSPORTS**

**CAP AND ROTOR KIT** 

8M0061335

**SPARK PLUG** 

33-8M2018369

NGK, ITR4A15 (Iridium)

WATER SEPARATING FUEL FILTER

35-802893Q01

25 micron

**PCV VALVE** 

21-8M2017060

THERMOSTAT KIT

807252Q 5

160 degree

SERPENTINE BELT

57-865615Q05

2233 mm length

**OIL FILTER** 

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

# 5.7 & 6.2 MPI MIE

**CAP AND ROTOR KIT** 

8M0061335

**SPARK PLUG** 

33-8M2018369

NGK, ITR4A15 (Iridium)

WATER SEPARATING FUEL FILTER

35-8M0093688

Replacement filter

**PCV VALVE** 

21-8M2017060

THERMOSTAT KIT

807252Q 5

160 degree

**THERMOSTAT** 

864493

170 degree, FWC

**SERPENTINE BELT** 

57-865615Q05

2233 mm length

57-865615Q10

2195 mm length

**OIL FILTER** 

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

## **6.2L MPI BRAVO**

**CAP AND ROTOR KIT** 

8M0061335

**SPARK PLUG** 

33-8M2018369

NGK, ITR4A15 (Iridium)

WATER SEPARATING FUEL FILTER

35-8M0093688

Replacement filter

**PCV VALVE** 

21-8M2017060

THERMOSTAT KIT

807252Q 5

160 degree

**THERMOSTAT** 

864493

170 degree, FWC

**SERPENTINE BELT** 

57-865615Q03

2704 mm length

57-865615Q06

2667 mm length

57-865615Q08

2535 mm length

**OIL FILTER** 

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

# **6.2L MPI BRAVO (MERCURY)**

**SPARK PLUG** 

33-8M0095454

NGK, BPR5EFS-13

**FUEL FILTER ELEMENT** 

35-8M0122423

Under cowl replacement cartridge where applicable.

**PCV VALVE** 

21-8M2017060

THERMOSTAT 8M0089715

140 degree

864493

170 degree, FWC

**SERPENTINE BELT** 

57-8M0097728

1713 mm length

57-8M0088876

1687 mm length

**OIL FILTER** 

35-866340K01

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

8.1L MCM & MIE

**SPARK PLUG** 

33-8M0129146

AC, 41-983 (Platinum)

WATER SEPARATING FUEL FILTER

35-8M0093688

Replacement filter

**THERMOSTAT** 

8M0076464

160 Degree

**SERPENTINE BELT** 

57-865635Q01

2519 mm length

57-865635Q02

2111 mm length

**OIL FILTER** 

35-866340Q03

SEA WATER PUMP IMPELLER KIT

47-8M0104229

8.2L MCM & MIE

**SPARK PLUG** 

33-**8M0114747** NGK, BPR6ES

WATER SEPARATING FUEL FILTER

35-8M0093688

Replacement filter

**PCV VALVE** 

8M0099429

THERMOSTAT

8M0045990

170 degree

SERPENTINE BELT

57-8M0045227

3157 mm

57-8M0045986

2287 mm

**OIL FILTER** 

35-866340Q03

**SEA WATER PUMP IMPELLER KIT** 

47-8M0104229

**QSD 2.0 DIESEL** 

AIR FILTER

8M0047848

Design II

35-879172143

Design I

WATER SEPARATING FUEL FILTER

35-879172104

**THERMOSTAT** 

879150054

**SERPENTINE BELT** 

57-879172120

Replacement belt

**ENGINE ANODE ASSEMBLY** 

879194217

M18 x 1.5 Plug w/ thread-in anode (20mm length x 15mm O.D.)

**OIL FILTER ELEMENT** 

35-895207

3.25 in. (83 mm) diameter

35-879312041

2.625 in. (67 mm) diameter

SEAWATER PUMP IMPELLER KIT

47-896332063

Jahsco

47-879312025

Sherwood

# **QSD 2.8 DIESEL**

AIR FILTER

855514002

WATER SEPARATING FUEL FILTER

35-879172104

**THERMOSTAT** 

8M0093561

SERPENTINE BELT

57-879194425

Replacement Belt

ENGINE ANODE ASSEMBLY

879194217

M18 x 1.5 Plug w/ thread-in anode (20mm length x 15mm O.D.)

OIL FILTER ELEMENT

35-895207

3.25 in. (83 mm) diameter

**SEAWATER PUMP IMPELLER KIT** 

47-896332063

Jabsco

47-879312025

Sherwood

**QSD 4.2 DIESEL** 

**AIR FILTER** 

**898272048** Foam

WATER SEPARATING FUEL FILTER

35-879172104

**THERMOSTAT** 

879150054

SERPENTINE BELT

57-898101579

Replacement Belt

# **MERCRUISER MAINTENANCE**

**ENGINE ANODE ASSEMBLY** 

879194217

M18 x 1.5 Plug w/ thread-in anode (20mm length x 15mm O.D.)

**OIL FILTER ELEMENT** 

35-895207

3.25 in. (83 mm) diameter

**SEAWATER IMPELLER KIT** 

47-879194186

Jabsco

**SEAWATER PUMP IMPELLER KIT** 

8M0056956

Sherwood

# 3.0L V6 TDI DIESEL (TIER 3)

**AIR FILTER** 

35-8M6002131

WATER SEPARATING FUEL FILTER

35-8M0067337

Replacement element

**FUEL FILTER** 

35-8M0067597

Element, Square

**THERMOSTAT** 

8M0093480

**SERPENTINE BELT** 

57-8M0093495

Alternator & Power steering

**ANODE KIT** 

8M6002274

Block

**OIL FILTER** 

35-8M0066483

Element

**SEAWATER PUMP IMPELLER KIT** 

47-816814T

# 3.0L V6 VM DIESEL

**AIR FILTER** 

8M6004711

WATER SEPARATING FUEL FILTER

35-8M0135210

Replacement element

**THERMOSTAT** 

896309

**SERPENTINE BELT** 

57-8M0129918

Alternator, Seawater pump & Power steering - MCM

57-8M0148883

Alternator & Seawater pump - MIE

**ANODE PLUG** 

8M0067625

M18 x 1.5 Plug w/ thread-in anode (20mm length x 15mm O.D.)

35-8M0150927

**SEAWATER PUMP IMPELLER KIT** 

8M0056956

Sherwood

# 4.2L V8 TDI DIESEL (TIER 3)

**AIR FILTER** 

35-8M6002552

WATER SEPARATING FUEL FILTER

35-8M6002390

**THERMOSTAT** 

8M0086400

**SERPENTINE BELT** 

57-8M0093513

Alternator

**ANODE KIT** 

8M6002274

Block

**OIL FILTER** 

35-8M0066483

Element

**SEAWATER PUMP IMPELLER KIT** 

47-816814T

# 6.7L (135/150 NA) DIESEL

**AIR FILTER** 

35-8M0106323

Replacement cartridge

WATER SEPARATING FUEL FILTER

35-8M0105781

Replacement element

FUEL FILTER

8M0106015

8M0106193

Replacement cartridge

**THERMOSTAT** 

SERPENTINE BELT

57-8M0105952

Alternator

V-BELT

57-8M0110926

Power Steering

ANODE

97-8M0112332

**OIL FILTER** 

35-8M0106058

Replacement cartridge

SEAWATER PUMP IMPELLER

8M0106368

### 6.7L (220 TC) DIESEL

**AIR FILTER** 

35-8M0106324

Replacement cartridge

35-8M0145281

**FUEL FILTER** 

8M0106015

Replacement cartridge

**THERMOSTAT** 

8M0106193

SERPENTINE BELT

57-8M0105952

Alternator

**V-BELT** 

57-8M0110926

Power Steering

ANODE

97-8M0112332

**OIL FILTER** 

35-8M0106058

Replacement cartridge

**SEAWATER PUMP IMPELLER KIT** 

47-816814T

# 6.7L (180/230/260/280 TCA) DIESEL

**AIR FILTER** 

35-8M0106324

Replacement cartridge

WATER SEPARATING FUEL FILTER

35-8M0105781

Replacement element

**FUEL FILTER** 

8M0106015

Replacement cartridge

THERMOSTAT

8M0106193

SERPENTINE BELT

57-8M0105952

Alternator

V-BELT

57-8M0110926

**Power Steering** 

ANODE

97-8M0112332

**OIL FILTER** 

35-8M0106058

Replacement cartridge

**SEAWATER PUMP IMPELLER KIT** 

47-816814T

# **ALPHA STERNDRIVE**

WATER IMPELLER REPAIR KIT

47-8M0100526

**SEAL KIT** 

26-88397A 1

Driveshaft Hsg

26-816575A 4

Gear Housing

ANODE KIT

888756Q03

Aluminum anodes - For use in saltwater or freshwater.

888755Q03

Magnesium anodes - For freshwater use only. Do not use in saltwater applications.

**DRIVE INSTALLATION KIT** 

27-94996Q 2

SHIFT CABLE BELLOWS

74639A 2

Includes clamps

**U-JOINT BELLOWS** 

816431A 1

**EXHAUST BELLOWS - BELL HOUSING** 

18654A 1

SHIFT CABLE KIT

865436A03

# **BRAVO STERNDRIVE**

**SEAL KIT** 

26-16709A 2

Driveshaft Hsg

26-76868A04

Gearcase

ANODE KIT

888758Q02

Aluminum anodes - For use in saltwater or freshwater.

888761Q03

Aluminum anodes - For use in saltwater or freshwater.

888761Q04

Aluminum anodes - For use in saltwater or freshwater.

**DRIVE INSTALLATION KIT** 

16755Q 1

SHIFT CABLE BELLOWS

74639A 2

Includes clamps

**U-JOINT BELLOWS** 

8M0062406

**EXHAUST BELLOWS - BELL HOUSING** 

18654A 1

SHIFT CABLE KIT

815471T 1

# MERCRUISER SERVICE INTERVAL KITS

# MERCRUISER SERVICE INTERVAL KITS

# MERCRUISER ENGINE MAINTENANCE KITS

### **100 HOUR SERVICE KIT**



### 8M0147048

Contains Oil filter, fuel filters, gearcase drain seals. For 2.5L & 3.0L Carb engines (1987 and newer) Mercury Branded

#### **300 HOUR SERVICE KIT**



#### 8M0147061

Contains Oil filter, fuel filters, gearcase drain seals, spark plugs, thermostat & yasket & V-Belts

For 3.0L Carb engines with std cooling (2000 & newer) Mercury Branded

# **100 HOUR SERVICE KIT**



#### 8M0147049

Contains Oil filter, fuel filter, gearcase drain seals. For 3.0L MPI engines (2008 and newer) Mercury Branded

### **300 HOUR SERVICE KIT**



#### 8M0147062

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & gasket, IAC filter & V-Belts

For 3.0L MPI engines with std cooling (2008 & newer) Mercury Branded

### **100 HOUR SERVICE KIT**



# 8M0147050

Contains Oil filter, fuel filter, gearcase drain seals. For 4.3L Carb engines w/o remote oil (1993 and newer) Mercury Branded

### **300 HOUR SERVICE KIT**



#### 8M0147063

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & gasket & serpentine belt

For 4.3L carb Alpha engines with std cooling and w/o remote oil (1996 & newer) Mercury Branded



#### 8M0147051

Contains Oil filter, fuel filter, gearcase drain seals.

For all GM V6 & V8 engines with spin on fuel filter, except V6 w/o remote oil (1977 and newer)

Mercury Branded

## **300 HOUR SERVICE KIT**



#### 8M0147064

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & gasket, IAC filter & serpentine belt

For 4.3L MPI Alpha engines with std cooling (2002 & newer) Mercury Branded

# **300 HOUR SERVICE KIT**



#### 8M0147065

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & gasket, IAC filter, serpentine belt & seawater pump impeller kit For 4.3L MPI Bravo engines with std cooling (2002 & newer) Mercury Branded

## 100 HOUR SERVICE KIT



#### 8M0147052

Contains Oil filter, fuel filter, gearcase drain seals. For 4.5L & 6.2L (Mercury) engines (2014 and newer) Mercury Branded

## 300 HOUR SERVICE KIT



### 8M0147066

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & gasket, PCV valve & serpentine belt
For 4.5L MPI Alpha engines with std cooling (2014 & newer)

Mercury Branded

### 300 HOUR SERVICE KIT



#### 8M0147067

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & gasket, PCV valve, serpentine belt & seawater pump impeller kit For 4.5L MPI Bravo engines with std cooling (2014 & newer) Mercury Branded

# MERCRUISER SERVICE INTERVAL KITS

### 300 HOUR SERVICE KIT



#### 8M0147068

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & gasket & serpentine belt

For 5.0L & 5.7L MPI Alpha engines with std cooling (2002 & newer) Mercury Branded

### **100 HOUR SERVICE KIT**



#### 8M0147053

Contains Oil filter, fuel filter, gearcase drain seals.
For all GM V8 MPI engines w/Gen III cool fuel (2002 and newer)
Mercury Branded

### 300 HOUR SERVICE KIT



#### 8M0147069

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & gasket, serpentine belt & seawater pump impeller kit
For 5.0L, 5.7L & 6.2L (GM) MPI Bravo engines with std cooling (2002 & newer)
Mercury Branded

### **300 HOUR SERVICE KIT**



#### 8M0147070

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & gasket, PCV valve, serpentine belt & seawater pump impeller kit
For 6.2L (Mercury) MPI Bravo engines with std cooling (2015 & newer)
Mercury Branded

### **300 HOUR SERVICE KIT**



#### 8M0147071

Contains Oil filter, fuel filter, gearcase drain seals, spark plugs, thermostat & seal, PCV valve, serpentine belt & seawater pump impeller kit
For 8.2L MPI Bravo engines (2010 & newer)
Mercury Branded

# MERCRUISER STERNDRIVE MAINTENANCE KITS

#### **100 HOUR SERVICE KIT**



## 8M0147054

Contains Drive Install Gasket Kit, Aluminum Anode Kit & Gearcase Drains seals For Alpha One drives (1994-1990) Mercury Branded

### **100 HOUR SERVICE KIT**



#### 8M0147072

Contains drive install gasket kit, aluminum anode kit, gearcase drains seals, transom repair kit, shift cable kit water pump impeller kit, fill & drain screws For Alpha One drives (1994-1990)

Mercury Branded

### **100 HOUR SERVICE KIT**



#### 8M0147055

Contains drive install gasket kit, aluminum anode kit & gearcase drains seals For Alpha One Gen II drives (1991 and newer) Mercury Branded

### **100 HOUR SERVICE KIT**



### 8M0147073

Contains drive install gasket kit, aluminum anode kit, gearcase drains seals, transom repair kit, shift cable kit, water pump impeller kit, fill & drain screws For Alpha One Gen II drives (1991 and newer) Mercury Branded

#### **100 HOUR SERVICE KIT**



#### 8M0147056

Contains drive install o-ring kit, aluminum anode kit & gearcase drains seals For Bravo One drives (1988 and newer) Mercury Branded

# 300 HOUR SERVICE KIT



#### 8M0147074

Contains drive install gasket kit, aluminum anode kit, gearcase drains seals, transom repair kit, shift cable kit, fill & drain screws For Bravo One drives (1988 and newer) Mercury Branded

## 100 HOUR SERVICE KIT



#### 8M0147057

Contains drive install o-ring kit, aluminum anode kit & gearcase drains seals For Bravo Two drives (1988 and newer) & Bravo Three drives (1995-2002) Mercury Branded

## 300 HOUR SERVICE KIT



#### 8M0147075

Contains drive install gasket kit, aluminum anode kit, gearcase drains seals, transom repair kit, shift cable kit, fill & drain screws For Bravo Two drives (1988 and newer) & Eravo Three drives (1995-2002) Mercury Branded

### 100 HOUR SERVICE KIT



#### 8M0147058

Contains drive install o-ring kit, aluminum anode kit & gearcase drains seals For Bravo Three drives (2003 and newer) Mercury Branded

# MERCRUISER SERVICE INTERVAL KITS

# 300 HOUR SERVICE KIT



### 8M0147076

Contains drive install gasket kit, aluminum anode kit, gearcase drains seals, transom repair kit, shift cable kit, fill & Drain screws
For Bravo Three drives (2003 and newer)
Mercury Branded

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# **QUICKSILVER 2-STROKE OIL**

# APPLICATION AND SKU CHART

## 2-Stroke Outboard Oil Application Chart

PRODUCT	Low HP: 2.5HP to 30HP	Mid HP: 40 HP to 115HP	High HP: Above 115HP	All HP
	Carubureted or EFI	Carbureted or EFI	Carbureted or EFI	Direct Injection
Premium	*Good	Good	Not recommended	Not recommended
Premium Plus	Better	*Better	*Better	Better
DI Engine Oil	Best	Best	Best	*Best

### **Premium TCW3**

Part Number	Description	Price/Packaging
92-858021QB1	1 L (33.8 oz.) plastic bottles	Priced individually, sold @ 6 bottles / case.
92-858022QB1	4 L (1.06 gal.) plastic bottles	Priced individually, sold @ 3 bottles / case.
92- <b>858023QB1</b>	10L (2.64 gal.) plastic bottles	Priced individually, sold @ 2 bottles / case.
92-858024QB1	55 gallon (208 L) drum	

#### **Premium Plus TCW3**

Part Number	Description	Price/Packaging
92-858026QB1	1 L (33.8 oz.) plastic bottles	Priced individually, sold @ 6 bottles / case.
92-858027QB1	4 L (1.06 gal.) plastic bottles	Priced individually, sold @ 3 bottles / case.
92-858028QB1	10 L (2.64 gal.) plastic bottles	Priced individually, sold @ 2 bottles / case.
92-858029QB1	55 gallon (208 L) drum	

## Direct Injection (DI) Engine Oil

Part Number	Description	Price/Packaging
92-858037QB1	4 L (1.06 gal.) plastic bottles	Priced individually, sold @ 6 bottles / case.
92-858038QB1	10 L (2.64 gal.) plastic bottles	Priced individually, sold @ 2 bottles / case.
92-858039Q01	55 gallon (208 L) drum	

# Performance Blend for 2-Cycle Outboards

Part Number	Description	Price/Packaging
92-8M0078011	3.78 L (1 US gal) plastic bottles	Priced individually, sold @3 bottles / case

# **PREMIUM TCW3 OIL**

Quicksilver's exclusive formulation provides superior protection to help extend the life of small horsepower, outboard engines. Continued use of Quicksilver® Premium 2-Cycle oil also helps:

- Prevent corrosion of internal components
- Maintain peak engine performance and reliability

This all weather formula provides protection in temperatures down to -13° F (-25° C).

Recommended for use in pre-mix applications for low-horsepower, carbureted engines such as, outboards, personal watercraft, snowmobiles, motorcycles and chainsaws

Meets all outboard and personal watercraft manufacturers' warranty requirements and recommendations for use of a TC-W3® oil

## PREMIUM 2-CYCLE TC-W3 OUTBOARD OIL



# 92-858021QB1

1 L plastic bottle

Quicksilver Branded

### PREMIUM TCW3 OIL



#### 92-858022QB1

4 L plastic bottle Quicksilver Branded

#### **PREMIUM TCW3 OIL**



#### 92-858023QB1

10 L plastic bottle Quicksilver Branded

# **QUICKSILVER 2-STROKE OIL**

### PREMIUM TCW3 OIL



92-858024QB1 208 L drum Quicksilver Branded

# PREMIUM PLUS TCW3

Quicksilver's exclusive formulation offers extreme protection for mid- to

- high-horsepower outboard engines. Continued use this oil will:

   Provide outstanding wear and corrosion protection which help extend engine life
- Minimize performance-robbing carbon deposits
- · Maintain peak engine performance and reliability

Recommended for use in oil-injected, carbureted or electronic fuel injected (EFI) mid- to high-horsepower engines such as Mercury®, Mariner® and Force® outboards, Mercury Jet Drives® and Mercury Sport Jet® engines

Meets or exceeds all outboard and personal watercraft manufacturers' warranty requirements and recommendations for use of a TC-W3® oil

#### PREMIUM PLUS TCW3 OIL



#### 92-858026QB1

Extreme protection. Exceptional marine fomulation for high horsepower and heavy-duty applications.

1 L (33.8 fl oz) plastic bottle Quicksilver Branded

# PREMIUM PLUS TCW3 OIL



# 92-858027QB1

4 L plastic bottle Quicksilver Branded

#### PREMIUM PLUS TCW3 OIL



92-858028QB1

10 L plastic bottle Quicksilver Branded

# PREMIUM PLUS TCW3 OIL



92-858029QB1

208 L drum Quicksilver Branded

# **DIRECT INJECTION (DI) ENGINE OIL**

Quicksilver's exclusive formulation offers the maximum protection for DI

- (direct injection) outboard engines. Continued use this oil will:

  Provide outstanding wear and corrosion protection which help extend engine life
- Minimize performance-robbing carbon deposits
- · Maintain peak engine performance and reliability
- Reduce smoke

Recommended for use in direct injection two-cycle engines such as Mercury OptiMax®

Exceeds all outboard manufacturer's warranty requirements and recommendations for use in direct injection applications

### **DIRECT INJECTION ENGINE OIL**



92-858037QB1

4 L plastic bottle Quicksilver Branded

## **DIRECT INJECTION ENGINE OIL**



92-858038QB1 10 L plastic bottle Quicksilver Branded

# **DIRECT INJECTION ENGINE OIL**



92-858039Q01 208 L (55 Gal) drum Quicksilver Branded

# 2-STROKE MULTI-FUEL OUTBOARDS

Specialty oil for multi-fuel engines such as JP OptiMax

## JP OPTIMAX OIL



92-**858092A01**JP OptiMax Multi-Fuel
Priced individually, sold @ multiples of 2
9.46 L (2.5 gallons) bottle

Mercury Branded

## JP OPTIMAX OIL



92-858093A01 JP OptiMax Multi-Fuel 208 L (55 Gal) drum Mercury Branded

# PERFORMANCE BLEND FOR 2-CYCLE RACE OUTBOARDS

Specifically formulated for hi-performance and racing engines. Gives added protection at high operating temperatures which occur when engines are run at high rpm's for extended periods of time.

### HIGH PERFORMANCE TWO-STROKE OIL



92-8M0078011
Priced individually, sold @ multiples of 3
3.78 liters (1 US Gal) bottle
Mercury Branded

# QUICKSILVER 4-STROKE MARINE ENGINE OIL AND OIL FILTERS

# **APPLICATION AND SKU CHART**

# FLAGSHIP PROTECTION FOR ALL FOURSTROKE MARINE ENGINES

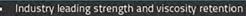
# All New FourStroke Oil Technology

Brand new FourStroke oil formulations provide the best protection and performance. 3 things to know:

# FOR USE IN ALL FOURSTROKE MARINE ENGINES

New formula FourStroke oils for use in all brands of FourStroke outboard, sterndrive and inboard engines and exceeds all marine industry FourStroke oil requirements including FC-W® and FC-W® Catalyst Compatible.

# FLAGSHIP ENGINE AND CORROSION PROTECTION



· Ultimate corrosion and wear protection

# THE MOST RECOMMENDED MARINE OIL

Over 5 years of engineering and development by the largest marine engine manufacturer in the world.



	FourStroke Outboards						Gas	Sterndr	ives/I	boards	
		N	on-SeaPro Engl	nes		45.110.					
	Low HP 2.5 HP to 9.9 HP	Low HP 15 HP to 60 HP	MId HP 75 HP to 115 HP (1.7L)	Mid HP 75 HP to 115 HP (2.1L)	150 HP	15 HP to 150 HP SeaPro	Verado	Non- Catalyzed Engine	Catalyzed Engine	Part Nur	nber
10W30 Mineral	Good*	Good*	Good*	Good	Good	Good	Not Applicable	Not Ap	plicable	11: 41: 2081:	8M0086220 8M0086221 8M0086222
10W30 Synthetic Blend	BEST	Good*	Good*	BEST	BEST	Good*	Not Applicable	NotAp	plicable	1 L: 4 L: 208 L:	8M0152563 8M0152564 8M0152565
25W40 Mineral	Good	Good	Good	Good	Good	Good	Good	Good**	Good**	11: 41: 601: 2081:	8M0086223 8M0086224 8M0121914 8M0086225
25W40 Synthetic Blend	Good	BEST	BEST	Good	Good	BEST	BEST	BEST**	BEST**	11: 41: 2081:	8M0086226 8M0086227 8M0086228

3.4 L V6 Outboards			4.6L V8 Outboards					
	FourStroke	SeaPro	ProXS	FourStroke	SeaPro	PreXS	Part Nur	mber
10W30 Mineral	Good	Optional when temp. ≤ 0 C°	Good	Good	Optional when temp. ≤ 0 C°	Good	1L: 4L: 208L:	8M0086220 8M0086221 8M0086222
10W30 Synthetic Blend	BEST	Optional when temp. s 0 C°	BEST	BEST	Optional when temp. s o C°	BEST	1L: 4L: 208L:	8M0152563 8M0152564 8M0152565
25W40 Mineral	Optional	Good	Optional	Optional	Good	Optional	1L: 4L: 60 L: 208L:	8M0086223 8M0086224 8M0121914 8M0086225
25W40 Synthetic Blend	Optional	BEST	Optional	Optional	BEST	Optional	1L: 4L: 208L:	8M0086226 8M0086227 8M0086228

<sup>\*10</sup>W30 is recommended for certain operating temperatures and manual start applications, consult owners manual \*\*2SW50 is recommended in certain operating conditions and high-performance applications, consult owners manual

Note Oil recommendation chart is only a guide, consult owners manual to be assured of react oil recommendation.

Cenerally, synthetic blend oils are preferred over the mineral oil of equivalent visionity due to increased corrosion protection properties.

For simplicity sake, 25/W40 oils are generally approved for use in all engines types while 10W30 and 25/W50 oils are not suitable for certain engines or operating condition.

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## FCW® 10W30 Mineral Marine Oil

Part Number	Description	Price/Packaging
92-8M0086220	1 L (33.8 oz.) plastic bottles	Priced individually, sold @ 6 bottles / case.
92-8M0086221	4 L (1.06 gal.) plastic bottles	Priced individually, sold @ 3 bottles / case.
92-8M0086222	55 gallon (208 L) drum	

## FCW® 10W30 Synthetic Blend Marine Oil

Part Number	Description	Price/Packaging
92-8M0152563	1 L (33.8 oz.) plastic bottles	Priced individually, sold @ 6 bottles / case.
92-8M0152564	4 L (1.06 gal.) plastic bottles	Priced individually, sold @ 3 bottles / case.
92-8M0152565	55 gallon (208 L) drum	

### FCW® 25W40 Mineral Marine Oil

Part Number	Description	Price/Packaging
92-8M0086223	1 L (33.8 oz.) plastic bottles	Priced individually, sold @ 6 bottles / case.
92-8M0086224	4 L (1.06 gal.) plastic bottles	Priced individually, sold @ 3 bottles / case.
92- <b>8M0086225</b>	55 gallon (208 L) drum	

# FCW® 25W40 Synthetic Blend Marine Oil

Part Number	Description	Price/Packaging
92-8M0086226	1 L (33.8 oz.) plastic bottles	Priced individually, sold @ 6 bottles / case.
92-8M0086227	4 L (1.06 gal.) plastic bottles	Priced individually, sold @ 3 bottles / case.
92-8M0086228	55 gallon (208 L) drum	

# FCW® 25W50 Synthetic Blend Marine Oil

Part Number	Description	Price/Packaging
92-8M0096256	1 L (1.06 qt) plastic bottles	Priced individually, sold @6 bottles / case.
92-858084QE1	4 L (1.06 gal.) plastic bottles	Priced individually, sold @ 3 bottles / case.
92-858119QE1	55 gallon (208 L) drum	

# FCW® 10W30 MINERAL MARINE OIL

Quicksilver's all new 4-Stroke oil technology outperforms automotive oils in marine applications because of its specialized additive package designed for marine engines. The NEW mineral 4-Stroke oil is also now approved for use in all Outboard Engines; previously only our synthetic blend could make this claim.

3 things to know:

- 3 things to know:
   For use in all 4-Stroke Marine Engines New formula 4-Stroke oils are engineering approved for use in certain marine 4-Stroke Outboard applications and exceeds all Marine industry 4-Stroke oil requirements including FC-W and FC-W Catalyst Compatible. In addition, all 10W30 & 25W40 oils are now fully FC-W Catalyst Compatible.
   Flagship Engine and Corrosion Protection Industry leading strength and viscosity retention and ultimate corrosion and wear protection.
   The most recommended Marine Oil Over 5 years of engineering and
- The most recommended Marine Oil Over 5 years of engineering and development by the largest marine engine manufacture in the world.

10W30 is recommended for certain operating temperatures and manual start applications.

#### 10W30 MARINE ENGINE OIL



92-8M0086220 1 L (32.0 fl oz) plastic bottle Quicksilver Branded

#### 10W30 MARINE ENGINE OIL



92-8M0086221 4 L (1.06 US gal) plastic bottle Quicksilver Branded

#### 10W30 MARINE ENGINE OIL



92-8M0086222 208 L (55 US gal) drum Quicksilver Branded

# FCW® 10W30 SYNTHETIC BLEND MARINE OIL

Quicksilver's all new 4-Stroke oil technology outperforms automotive oils in marine applications because of its specialized additive package designed for marine engines. The NEW mineral 4-Stroke oil is also now approved for use in all Outboard Engines; previously only our synthetic blend could make this claim.

3 things to know:

- 3 things to know:
   For use in all 4-Stroke Marine Engines New formula 4-Stroke oils are engineering approved for use in certain marine 4-Stroke Outboard applications and exceeds all Marine industry 4-Stroke oil requirements including FC-W and FC-W Catalyst Compatible. In addition, all 10W30 & 25W40 oils are now fully FC-W Catalyst Compatible.
   Flagship Engine and Corrosion Protection Industry leading strength and viscosity retention and ultimate corrosion and wear protection.
   The most recommended Marine Oil Over 5 years of engineering and
- The most recommended Marine Oil Over 5 years of engineering and development by the largest marine engine manufacture in the world.

10W30 is recommended for certain operating temperatures and manual start applications.

#### 10W30 SYNTHETIC MARINE OIL



#### 92-8M0152563

10W30 4-Stroke synthetic marine oil 11 plastic bottle Quicksilver Branded

#### 10W30 SYNTHETIC MARINE OIL



### 92-8M0152564

10W30 Full synthetic 4-stroke marine oil 4 L plastic bottle Quicksilver Branded

### 10W30 SYNTHETIC BLEND 4-STROKE OIL



#### 92-8M0152565

10W30 synthetic blend marine oil for 4-Stroke engines. 208 L drum

Quicksilver Branded

## FCW® 25W40 MINERAL MARINE OIL

Quicksilver's all new 4-Stroke oil technology outperforms automotive oils in marine applications because of its specialized additive package designed for marine engines.

#### 3 things to know:

- For use in all 4-Stroke Marine Engines New formula 4-Stroke oils are engineering approved for all marine 4-Stroke applications, including: Outboard, MerCruiser, High Performance, Stern Drive/Inboard, and exceeds all Marine industry 4-Stroke oil requirements including FC-W and FC-W Catalyst Compatible.
- Flagship Engine and Corrosion Protection Industry leading strength and viscosity retention and ultimate corrosion and wear protection.
  The most recommended Marine Oil Over 5 years of engineering and development by the largest marine engine manufacture in the world.

25W40 recommended in all Marine Engines.

### 25W40 MARINE ENGINE OIL



# 92-8M0086223

1L (32 fl oz) plastic bottle Quicksilver Branded

#### 25W40 MARINE ENGINE OIL



## 92-8M0086224

4 L (1.06 US gal) plastic bottle Quicksilver Branded

#### 25W40 MARINE ENGINE OIL



#### 92-8M0121914

25W40 Marine 4-Stroke Engine Oil 60L (15.85 US gal) drum Quicksilver Branded

## 25W40 MARINE ENGINE OIL



**92-8M0086225** 208 L (55 US gal) drum Quicksilver Branded

## FCW® 25W40 SYNTHETIC BLEND MARINE OIL

Quicksilver's all new 4-Stroke oil technology outperforms automotive oils in marine applications because of its specialized additive package designed for marine engines.

#### 3 things to know:

- For use in all 4-Stroke Marine Engines New formula 4-Stroke oils are engineering approved for all marine 4-Stroke applications, including: Outboard, MerCruiser, High Performance, Stern Drive/Inboard, and exceeds all Marine industry 4-Stroke oil requirements including FC-W and FC-W Catalyst Compatible.
- Flagship Engine and Corrosion Protection Industry leading strength and viscosity retention and ultimate corrosion and wear protection
   The most recommended Marine Oil - Over 5 years of engineering and development by the largest marine engine manufacture in the world.

25W40 Synthetic Blend recommended in all Marine Engines (BEST Choice).

### 25W40 SYNTHETIC BLEND MARINE ENGINE OIL



92-8M0086226 1 L (32 oz) plastic bottle Quicksilver Branded

#### 25W40 SYNTHETIC BLEND MARINE ENGINE OIL



92-8M0086227 4 L (1.06 US gal) Quicksilver Branded

### 25W40 SYNTHETIC BLEND MARINE ENGINE OIL



92-8M0086228 208 L (55 US gal) drum Quicksilver Branded

## FCW® 25W50 SYNTHETIC BLEND MARINE OIL

25W50 oil is often recommended for engines used in racing. This high performance oil provides maximum lubrication for your marine engine.

- Maintains viscosity under the most extreme operating conditions such as
- Racing: Operating engine at maximum output and high temperatures
   Tow sports and fishing: Alternating between periods of high RPM's and throttling down to low RPMs or idle
- Protects against varnish buildup and sludge formation
- Exceeds the rust protection requirements for NMMA certification

Recommended for use in Verado® outboards and other high-performance marine engines

Exceeds manufacturers' warranty requirements and recommendations for use of an FCW® 25W50 oil

#### 25W50 SYNTHETIC BLEND OUTBOARD OIL



92-8M0096256

High Performance 4-Stroke Marine Engine oil. 1 Liter (1.06 Quarts) plastic bottle Quicksilver Branded

### 25W50 SYNTHETIC BLEND OUTBOARD OIL



92-858084QE1 4 L plastic bottle Quicksilver Branded

### SYNTHETIC BLEND SAE 25W50 OIL



92-858119QE1 208 L drum Quicksilver Branded

# **MERCURY HIGH PERFORMANCE 4-STROKE OIL**

Maximum protection is essential when pushing your engine to the limit. Racing, tow sports and fishing applications require your engine to operate under extreme conditions. Operating at high engine output and high temperatures or alternating between periods of high RPMs and throttling down to low RPMs or idle puts serious pressure on engine oil. Mercury Racing Four Stroke oil will not break down under these conditions. It maintains its viscosity, protects against varnish buildup and sludge formation and exceeds the rust protection requirements for NMMA® certification.

Recommended for use in all Mercury Racing four-stroke engines including: FormulaRace and Verado outboards and 525 EFI through 1650 sterndrives

Meets or exceeds manufacturers' warranty requirements for use of an FC-W® marine engine oil

#### 25W50 SYNTHETIC BLEND HIGH PERFORMANCE OIL



92-8M0096727

4-Stroke 25W50 Synthetic blend engine oil. 4 L (1.06 US Gal) bottle Mercury Branded

# OIL CAPACITY CHART - 4-STROKE OUTBOARDS

# Crankcase Oil Capacity Chart & Quicksilver Filters

Model	Model Note	Year Range Metric Crankcase Capacity	US Crankcase Capacity	Canister Filter
2.5/3.5 FourStroke		2006 - 2019 0.30 liter (300ml)	0.31 QT. (10 oz.)	N/A
2.0/0.0 1 04/04/040		2000 2010 0.00 ii.di (000111)	0.01 &1. (10 02.)	1471
4/5/6 FourStroke		1999 - 2019 0.45 liter (450ml)	0.48 QT. (15.2 oz.)	N/A
4/3/01 Outotions		1555 - 2015 0.45 liter (45011)	0.40 &1. (10.2 02.)	IVA
8 FourStroke	232cc	1995 - 2000 1.0 liter (1,000ml)	1.05 QT. (35 oz.)	N/A
8 FourStroke	323cc	2001 - 2004 1.0 liter (1,000ml)	1.05 QT. (35 oz.)	35-822626Q03
8 FourStroke	209cc		, ,	N/A
o FoulStioke	20900	2005 - 2019 0.80 liter (800ml)	0.85 QT. (27 oz.)	IN/A
0.0 FaurCtrake	232cc	100E 1009 1 0 liter (1 000ml)	1 05 OT (25 o= )	N/A
9.9 FourStroke		1995 - 1998 1.0 liter (1,000ml)	1.05 QT. (35 oz.)	N/A
9.9 FourStroke	323cc	1999 - 2004 1.0 liter (1,000ml)	1.05 QT. (35 oz.)	35-822626Q03
9.9 FourStroke	209cc	2005 - 2019 0.80 liter (800ml)	0.85 QT. (27 oz.)	N/A
15 FourStroke	323cc	1998 - 2008 1.0 liter (1,000ml)	1.05 QT. (35 oz.)	35-822626Q03
15 Carb and EFI FourStroke	32300	2008 - 2019 1.0 liter (1,000ml)	1.05 QT. (35 oz.)	35-822626Q03
13 Carb and Er 11 ourstroke		2000 - 2019 1.0 liter (1,000HH)	1.00 Q1. (00 02.)	33-022020Q03
20 Carb and EFI FourStroke		2008 - 2019 1.0 liter (1,000ml)	1.05 QT. (35 oz.)	35-822626Q03
20 Carb and EFT FourStroke		2006 - 2019 1.0 liter (1,000HII)	1.05 Q1. (35 02.)	33-022020Q03
25 FourStroke	498cc, Carb Models	1998 - 2006 3.0 liter (3,000ml)	3.17 QT. (106 oz.)	35-8M0065103
25 FourStroke	•		, ,	35-822626Q03
25 Four-Stroke	492cc, EFI Models	2006 - 2019 1.8 liter (1,800ml)	1.90 QT. (63 oz.)	30-022020Q03
30 FourStroke	747cc	1999 - 2005 3.0 liter (3,000ml)	2 17 OT (106 oz.)	35-8M0065103
30 FourStroke	492cc	2006 - 2019 1.8 liter (1,800ml)	3.17 QT. (106 oz.) 1.90 QT. (63 oz.)	35-822626Q03
30 FourStroke	49200	2006 - 2019 1.8 liter (1,000IIII)	1.90 Q1. (03 02.)	33-022020QU3
40 FourStroke	747 2	4000 0040 2.0 like / 2.000 li	2.47.OT (40C )	0E 0M000E400
	747cc, 3 cylinder	1999 - 2019 3.0 liter (3,000ml)	3.17 QT. (106 oz.)	35-8M0065103
40 FourStroke	996cc, 4 cylinder	2001 - 2019 3.0 liter (3,000ml)	3.17 QT. (106 oz.)	35-8M0065103
50 5 Obsolve	O2F A reliedes	4005 0000 2.0 like / 2.000 l)	2.47.OT (40C )	05 0M0005400
50 FourStroke	935cc, 4 cylinder	1995 - 2000 3.0 liter (3,000ml)	3.17 QT. (106 oz.)	35-8M0065103
50 FourStroke	996cc, 4 cylinder	2001 - 2019 3.0 liter (3,000ml)	3.17 QT. (106 oz.)	35-8M0065103
CO F	OOC A sulinder	2004 2040 2.0 like - /2 0001)	2.47.OT (40C )	05 0M0005400
60 FourStroke	996cc, 4 cylinder	2001 - 2019 3.0 liter (3,000ml)	3.17 QT. (106 oz.)	35-8M0065103
75 FOhl	Orderstad	0000 0005 50 like (5000-1)	5 00 OT (470 )	0E 0M000E400
75 FourStroke	Carbureted	2000 - 2005 5.0 liter (5,000ml)	5.28 QT. (176 oz.)	35-8M0065103
75 FourStroke	EFI, s/n 1B366822 & below	2006 4.5 liter (4,500ml)	4.80 QT. (160 oz.)	35-8M0065103 35-877761Q01
75 FourStroke	EFI, 1B366823-2B094995, 1.7L	2006 - 2014 5.0 liter (5,000ml)	5.28 QT. (176 oz.)	
75/80 FourStroke	EFI, 2B094996 & UP, 2.1L	2014 - 2019 5.2 Liter (5,200ml)	5.5 QT. (176 oz.)	35-8M0065103
00 FarraCharles	Orderstad	0000 0005 50 like (5000-1)	5 00 OT (470 )	05 0M0005400
90 FourStroke	Carbureted	2000 - 2005 5.0 liter (5,000ml)	5.28 QT. (176 oz.)	35-8M0065103
90 FourStroke	EFI, s/n 1B366822 & below	2006 4.5 liter (4,500ml)	4.80 QT. (160 oz.)	35-8M0065103
90 FourStroke	EFI, 1B366823-2B094995, 1.7L	2006 - 2014 5.0 liter (5,000ml)	5.28 QT. (176 oz.)	35-877761Q01
90/100 FourStroke	EFI, 2B094996 & Up, 2.1L	2014 - 2019 5.2 liter (5,200ml)	5.5 QT. (176 oz.)	35-8M0065103
115 FourStroke	EFI, s/n 1B366822 & below	2001 - 2006 5.0 liter (5,000ml)	5 28 OT (176 oz )	35-8M0065103
115 FourStroke	EFI, s/n 1B366822 & below EFI, 1B366823-2B094995, 1.7L		5.28 QT. (176 oz.)	35-8M0065103 35-877761Q01
		2006 - 2014 5.0 liter (5,000ml)	5.28 QT. (176 oz.)	
115 FourStroke	EFI, 2B094996 & Up, 2.1L	2014 - 2019 5.2 liter (5,200ml)	5.5 QT. (176 oz.)	35-8M0065103
150 FourStroke	EEI	2011 2019 6.0 liter (6.000ml)	6 34 OT (211 oz )	35 877761001
150 FourStroke	EFI	2011 - 2019 6.0 liter (6,000ml)	6.34 QT. (211 oz.)	35-877761Q01
125 Vorado	4 avlindor	2006 2010 6.0 liter (6.000ml)	6 24 OT (244 c= )	25 977767004
135 Verado	4 cylinder	2006 - 2019 6.0 liter (6,000ml)	6.34 QT. (211 oz.)	35-877767Q01
150 Verado	4 cylinder	2006 - 2019 6.0 liter (6,000ml)	6.34 QT. (211 oz.)	35- <b>877767Q01</b>

Model	Model Note	Year Range Metric Crankcase Capacity	US Crankcase Capacity	Canister Filter
175 Verado	4 cylinder	2006 - 2019 6.0 liter (6,000ml)	6.34 QT. (211 oz.)	35-877767Q01
200 Verado	4 cylinder	2007 - 2019 6.0 liter (6,000ml)	6.34 QT. (211 oz.)	35-877767Q01
225 FourStroke	EFI	2003 - 2006 6.0 liter (6,000ml)	6.34 QT. (211 oz.)	35- <b>822626Q15</b>
200 Verado	6 cylinder	2005 - 2019 7.0 liter (7,000ml)	7.40 QT. (246 oz.)	35-877769Q01
225 Verado	6 cylinder	2005 - 2019 7.0 liter (7,000ml)	7.40 QT. (246 oz.)	35-877769Q01
250 Verado	6 cylinder	2005 - 2019 7.0 liter (7,000ml)	7.40 QT. (246 oz.)	35-877769Q01
275 Verado	6 cylinder	2005 - 2019 7.0 liter (7,000ml)	7.40 QT. (246 oz.)	35-877769Q01
300 Verado	6 cylinder	2007 - 2019 7.0 liter (7,000ml)	7.40 QT. (246 oz.)	35-877769Q01
350/400R Verado	6 cylinder	2015 - 2019 7.0 liter (7,000ml)	7.40 QT. (246 oz.)	35-877769Q01

# QUICKSILVER/MERCURY 4-STROKE OUTBOARD **OIL FILTERS**

### FOURSTROKE OUTBOARD OIL FILTER



#### 35-822626Q03

FourStroke Outboard replaceable screw-on type canister filters.

Fits Mercury/Mariner 8/9.9 hp. FourStroke outboards (323cc) , 15/20 hp. FourStroke carbureted outboards, 15/20 EFI FourStroke outboards, 0R833820 and above and the 25/30 hp. EFI FourStroke outboard (MY2006 & newer). Quicksilver Branded, Box Point of Sale Packaged.

### FOURSTROKE OUTBOARD OIL FILTER



#### 35-8M0065103

FourStroke Outboard replaceable screw-on type canister filters.

Fits Mercury/Mariner 25 hp. FourStroke (Carb, MY2006 & prior), 30 hp. FourStroke (3 cyl., MY2005 & prior), all 40-60 hp. FourStroke outboards (MY 1998 & newer), all 75-115 hp. FourStroke outboards (USA 1B366822 & prior), and all 75-115 hp. FourStroke outboards (USA 2B094996 and above).

Priced individually, sold @ multiples of 6

Quicksilver Branded, Box Point of Sale Packaged.

#### FOURSTROKE OUTBOARD OIL FILTER



#### 35-877761Q01

Replaceable screw-on type canister filter.

Fits the 75/90/115 hp. FourStroke outboard (USA 1B366823-2B094995, 1731 cc.) and the 150 hp. EFI FourStroke outboard.

Quicksilver Branded, Box Point of Sale Packaged.

#### FOURSTROKE OUTBOARD OIL FILTER



### 35-877767Q01

Replaceable screw-on type canister filter. Replaces the production 896546\_ series

Fits the 135/150/175/200 hp. Verado In-line 4 cylinder outboard.

Quicksilver Branded, Box Point of Sale Packaged.

# FOURSTROKE OUTBOARD OIL FILTER



#### 35-877769Q01

Replaceable screw-on type canister filter. Replaces the production 883701\_ series

Fits the 200/225/250/275/300/350/400R hp. Verado In-line 6 cylinder outboard. Quicksilver Branded, Box Point of Sale Packaged.

# FOURSTROKE OUTBOARD OIL FILTER



### 35-822626Q15

Replaceable screw-on type canister filters.

Fits Mercury/Mariner V-225 hp. (V-6) FourStroke outboard and also replaces Yamaha 225 hp. four stroke outboard filter 69J-13440-00-00.

Quicksilver Branded

## **OIL DRAIN FUNNEL KIT**



### 91-892866A01

Helps to direct draining crankcase oil past the cavitation plate. Fits the XL version of the L6 Verado outboard.

# OIL CAPACITY CHART - GASOLINE STERNDRIVE/INBOARD ENGINES

The engine oil capacity is only an Approximate, ALWAYS use dipstick to determine exact quantity of oil required.

## MerCruiser Gas Engine Oil Capacity

Model	Make	CID/Litre	Cyl.	Year Range	Serial # Range	Approx. Oil Pan Capacity w/ New Filter(1)
MCM 60	Renault	68/1.1L	I/L 4	1965 - 1968	1887079 - 2049044	2-3/4 US qt (2.6 L)
MCM 80	Renault	80/1.3L	I/L 4	1966 - 1969	2049045 - 2851423	5 US qt (4.7 L)
MCM 90	Renault	96/1.6L	I/L 4	1970 - 1972	2851424 - 3226957	5 US qt (4.7 L)
MCM 110/120/ 2.5L	GM	153/2.5L	I/L 4	1963 - 1989	1537370 - 0C853255	4 US qt (3.8 L)
MCM 140/ 3.0L/LX	GM	181/3.0L	I/L 4	1968 - 2019	2508261 and up	4 US qt (3.8 L)
MCM 470/165/170/ 3.7L	Mercury	224/3.7L	I/L 4	1976 - 1989	4208730 and up	5-1/2 US qt (5.2 L)
MCM 485	Mercury	224/3.7L	I/L 4	1980 - 1982	5685394 - 6218036	5-3/4 US qt (5.4 L)
MCM 488/180/190/ 3.7LX	Mercury	224/3.7L	I/L 4	1983 - 1989	6170297 and up	6-1/2 US qt (6.1 L)
MCM 140	GM	194/3.2L	I/L 6	1963	1538930 - 1725960	5 US qt (4.7 L)
MCM 160/165	GM	250/4.1L	I/L 6	1967 - 1981	2048022 - 5813433	5 US qt (4.7 L)
MCM 200	GM	292/4.8L	I/L 6	1969	2453769 - 2712072	6 US qt (5.7 L)
MCM 185 (4 bbl)	GM	229/3.8L	V-6	1983 - 1984	6330183 - 6919655	4-1/2 US qt (4.3 L)
MCM 175/185/205	GM	262/4.3L	V-6	1985 - 1987	0A331455 - 0B773242	4-1/2 US qt (4.3 L)
MCM 262 Mag EFI	GM	262/4.3L	V-6	1996 - 1997	0F803800 - 0K999999	4-1/2 US qt (4.3 L)
MCM 4.3L/LX/LH/LXH	GM	262/4.3L	V-6	1988 - 2001	0B773243 - 0M299999	4-1/2 US qt (4.3 L)
MCM 4.3L EFI	GM	262/4.3L	V-6	1998 - 2001	0L012009 - 0M299999	4-1/2 US qt (4.3 L)
MCM 4.3L & MPI	GM	262/4.3L	V-6	2002 - 2019	0M300000 and up	4 US qt (3.8 L)
MCM 888	Ford	302/4.9L	V-8	1971 - 1977	3108723 - 4887829	6 US qt (5.7 L)
MCM/MIE 225	Ford	302/4.9L	V-8	1973 - 1974	3385721 - 4176999	6 US qt (5.7 L)
MCM/MIE 215	Ford	302/4.9L	V-8	1970 - 1972	2781153 - 3563181	7 US qt (6.6 L)
MCM 190	GM	283/4.6L	V-8	1963 - 1964	1564539 - 1730903	5 US qt (4.7 L)
MCM 228	GM	305/5.0L	V-8	1977 - 1978	4765100 - 5170008	5 US qt (4.7 L)
MCM 200/ 5.0L/898	GM	305/5.0L	V-8	1977 - 1995	4762210 - 0F600999	5 US qt (4.7 L)
MCM 228/230/ 5.0LX	GM	305/5.0L	V-8	1979 - 1995	5170009 - 0F600999	5-1/2 US qt (5.2 L)
MCM 5.0L & EFI	GM	305/5.0L	V-8	1998 - 2002	0L012052 - 0M299999	5-1/2 US qt (5.2 L)
MCM 5.0L & MPI	GM	305/5.0L	V-8	2002 - 2019	0M300000 and up	4-1/2 US qt (4.25 L)
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Model	Make	CID/Litre	Cyl.	Year Range	Serial # Range	Approx. Oil Pan Capacity w/ New Filter(1)
MIE 198/228/230/ 5.0L	GM	305/5.0L	V-8	1977 - 1988	4762210 - 0B788151	6 US qt (5.7 L)
MCM 225	GM	327/5.4L	V-8	1963 - 1966	1539620 - 2278646	5 US qt (4.7 L)
MCM 225/250	GM	327/5.4L	V-8	1967 - 1969	2278647 - 2694014	7 US qt (6.6 L)
MIE 225/250	GM	327/5.4L	V-8	1968	2278647 - 2694014	6 US qt (5.7 L)
						,
MCM 250/ 255	GM	350/5.7L	V-8	1975 - 1977	4175500 - 4908849	5 US qt (4.7 L)
MCM 260/ 5.7L/LX & EFI	GM	350/5.7L	V-8	1978 - 2002	4908850 - 0M299999	5-1/2 US qt (5.2 L)
MCM 350 Mag, EFI & MPI	GM	350/5.7L	V-8	1986 - 2002	0A635178 - 0M299999	5-1/2 US qt (5.2 L)
MCM 350 Mag & MPI	GM	350/5.7L	V-8	2002 - 2019	0M300000 and up	4-1/2 US qt (4.25 L)
MCM 5.7L	GM	350/5.7L	V-8	2002 - 2019	0M300000 and up	4-1/2 US qt (4.25 L)
MIE 255/260/ 5.7L	GM	350/5.7L	V-8	1975 - 1993	4175500 - 0D839999	6 US qt (5.7 L)
MIE 5.7L & EFI	GM	350/5.7L	V-8	1993 - 1997	0D840000 - 0K999999	4 US qt (3.8 L)
MIE 5.7L/ 350 Mag MPI	GM	350/5.7L	V-8	1998 - 2002	0L002003 - 0M299999	5-1/2 US qt (5.2 L)
MIE 5.7L/ 350 Mag MPI	GM	350/5.7L	V-8	2002 - 2019	0M300000 and up	4-1/2 US qt (4.25 L)
Ski 5.7L	GM	350/5.7L	V-8	1985 - 1989	0A338553 - 0C756666	4 US qt (3.8 L)
Ski 5.7L/ 350 Mag & MPI	GM	350/5.7L	V-8	1990 - 1997	0C756667 - 0K999999	5 US qt (4.7 L)
Ski 5.7L/ 350 Mag MPI	GM	350/5.7L	V-8	1998 - 2002	0L002005 - 0M299999	5-1/2 US qt (5.2 L)
Ski 5.7L/ 350 Mag MPI	GM	350/5.7L	V-8	2002 - 2019	0M300000 and up	4-1/2 US qt (4.25 L)
Black Scorpion Ski (Gen+)	GM	350/5.7L	V-8	1996 - 1997	0F800000 - 0K999999	5 US qt (4.7 L)
Black Scorpion Ski (Gen+)	GM	350/5.7L	V-8	1998 - 2001	0L002500 - 0M391599	5-1/2 US qt (5.2 L)
Black Scorpion Ski (Gen+)	GM	350/5.7L	V-8	2003 - 2019	0M391600 and up	4-1/2 US qt (4.25 L)
MCM 233/255	Ford	351/5.8L	V-8	1973 - 1977	3258728 - 4902304	5 US qt (4.7 L)
MIE 233/255	Ford	351/5.8L	V-8	1973 - 1976	3258728 - 4775784	7 US qt (6.6 L)
MX 6.2L MPI	GM/Mercury	377/6.2L	V-8	2000 - 2002	0L680003 - 0M299999	5-1/2 US qt (5.2 L)
MX 6.2L MPI	GM/Mercury	377/6.2L	V-8	2002 - 2019	0M300000 and up	4-1/2 US qt (4.25 L)
MX 6.2L MPI MIE	GM/Mercury	377/6.2L	V-8	1999 - 2002	0L670000 - 0M299999	5-1/2 US qt (5.2 L)
MX 6.2L MPI MIE & Ski	GM/Mercury	377/6.2L	V-8	2002 - 2019	0M300000 and up	4-1/2 US qt (4.25 L)
MX 6.2L Blk Scorpion Ski	GM/Mercury	377/6.2L	V-8	2001 - 2003	0L670015 - 0M391599	5-1/2 US qt (5.2 L)
MX 6.2L Blk Scorpion Ski	GM/Mercury	377/6.2L	V-8	2003 - 2019	0M391750 and up	4-1/2 US qt (4.25 L)
MCM 325	GM	427/7.0L	V-8	1969 - 1972	2278747 - 3780449	8 US qt (7.6 L)
MIE 325	GM	427/7.0L	V-8	1968 - 1974	2278747 - 3780449	7 US qt (6.6 L)
MCM 330	GM	454/7.4L	V-8	1977 - 1981	4623115 - 6083144	6 US qt (5.7 L)
MCM 330 & 454 Mag Alpha	GM	454/7.4L	V-8	1982 - 1988	6083145 - 0B785148	7 US qt (6.6 L)
MCM 7.4L & 454 Mag	GM	454/7.4L	V-8	1988 - 1991	0B771113 - 0D603117	8 US qt (7.6 L)
MCM 7.4L/LX & 454 Mag, EFI & MPI	GM	454/7.4L	V-8	1992 - 2001	0D603118 - 0M024999	7 US qt (6.6 L)
MIE 330	GM	454/7.4L	V-8	1977 - 1980	4623115 - 5889913	7 US qt (6.6 L)
MIE 340/ 7.4L w/ Borg Warner trans.	GM	454/7.4L	V-8	1981 - 1992	5889914 - 0D715493	7 US qt (6.6 L)
MIE 7.4L w/Hurth trans.	GM	454/7.4L	V-8	1988 - 1992	0C391564 - 0D715493	8 US qt (7.6 L)
MIE 7.4L & 454 Mag MPI	GM	454/7.4L	V-8	1992 - 2001	0D715494 - 0L674613	7 US qt (6.6 L)
Ski 454 Mag EFI & MPI	GM	454/7.4L	V-8	1995 - 1997	0F215800 - 0K999999	7 US qt (6.6 L)
MCM 390	GM	482/7.9L	V-8	1969 - 1970	2781129 - 3042731	8 US qt (7.6 L)
MIE 390	GM	482/7.9L	V-8	1969 - 1970	2781129 - 2825059	7 US qt (6.6 L)
MCM 496 Mag & HO	GM	496/8.1L	V-8	2001 - 2019	0M025000 and up	9 US qt (8.5L)
MIE 8.1S Horizon & HO	GM	496/8.1L	V-8	2001 - 2019	0M026000 and up	9 US qt (8.5L)
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Model	Make	CID/Litre	Cyl.	Year Range	Serial # Range	Approx. Oil Pan Capacity w/ New Filter(1)
MCM 502 Mag, EFI & MPI	GM	502/8.2L	V-8	1992 - 2001	0D824589 - 0M024999	7 US qt (6.6 L)
MCM 8.2 Mag	GM	502/8.2L	V-8	2010 - 2019	1A350340 and up	7 US qt (6.6 L)
MIE 8.2L	GM	502/8.2L	V-8	1990 - 1996	0C878221 - 0F819619	8 US qt (7.6 L)
MIE 8.2L MPI	GM	502/8.2L	V-8	1996 - 2001	0F819620 - 0L674200	7 US qt (6.6 L)
MIE 8.2	GM	502/8.2L	V-8	2010 - 2019	1A350802 and up	7 US qt (6.6 L)

<sup>(1)</sup> Approximate, ALWAYS use dipstick to determine exact quantity of oil required

# OIL CAPACITY CHART - HI-PERF GASOLINE ENGINE

The engine oil capacity is only an Approximate, ALWAYS use dipstick to determine exact quantity of oil required.

## MerCruiser Hp Gas Engine Oil Capacity

Model	CID/Litre	Cyl.	Year Range	Serial # Range	Approx. Oil System Capacity w/ New Filter (1)
270	350/5.7L	V-8	1969 - 1972	2851074 - 3385720	7 US qt (6.6 L)
270 MIE	350/5.7L	V-8	1969 - 1972	2851074 - 3077735	6 US qt (5.7 L)
280 TRS	350/5.7L	V-8	1975 - 1976	4176250 - 4770199	6-1/2 US qt (6 L)
300 Tempest	350/5.7L	V-8	1985 - 1986	6668677 - 0B430367	6-1/2 US qt (6 L)
320 (EFI)	350/5.7L	V-8	1987 - 1989	0A543604 - 0C622418	6-1/2 US qt (6 L)
377 Scorpion (Sterndrive)	377/6.2L	V-8	2000 - 2019	0L416146 and up	5 US qt (4.7 L)
377 Scorpion Ski	377/6.2L	V-8	1997 - 1998	0K000656 - 0L600314	5 US qt (4.7 L)
370 TRS	454/7.4L	V-8	1978 - 1987	4179554 - 0B714586	6 US qt (5.7 L)
400 TRS (Cyclone)	454/7.4L	V-8	1980 - 1986	4179554 - 0B457644	7 US qt (6.6 L)
420	454/7.4L	V-8	1987 - 1989	0A398941 - 0B622418	6 US qt (5.7 L)
425	454/7.4L	V-8	1990 - 1992	0B622419 - 0D725499	8 US qt (7.6 L)
425 (Gen. V)	454/7.4L	V-8	1992 - 1993	0D725500 - 0D937011	8 US qt (7.6 L)
440 TRS (Cyclone)	454/7.4L	V-8	1983 - 1986	4179554 - 0B485220	7 US qt (6.6 L)
450 (Gen. V)	454/7.4L	V-8	1995 - 1996	0F347100 - 0F347277	8 US qt (7.6 L)
525 SC	454/7.4L	V-8	1991 - 1992	0D456000 - 0D725808	8 US qt (7.6 L)
525 SC (Gen. V)	454/7.4L	V-8	1992 - 1999	0D763746 - 0L415623	8 US qt (7.6 L)
,					
460 TRS (Cyclone)	482/7.9L	V-8	1983 - 1986	4179554 - 6181046	10 US qt (9.4L)
465	502/8.2L	V-8	1990 - 1992	0C849992 - 0D725646	8 US qt (7.6 L)
465 (Gen. V)	502/8.2L	V-8	1992 - 1994	0D725647 - 0F213244	8 US qt (7.6 L)
500 (Gen. V)	502/8.2L	V-8	1994 - 1996	0F213293 - 0F745159	8 US qt (7.6 L)
500 (Gen VI)	502/8.2L	V-8	1997 - 1998	0F745195 - 0L001772	8 US qt (7.6 L)
500 (Gen +)	502/8.2L	V-8	1999	0L414639 - 0L601036	8 US qt (7.6 L)
500 EFI	502/8.2L	V-8	1999 - 2005	0L001477 and up	7 US qt (6.6 L)
575 SCi	502/8.2L	V-8	2001	0L306696 - 0L307026	8 US qt (7.6 L)
575 SCi	502/8.2L	V-8	2000	0L601000 - 0L602090	8 US qt (7.6 L)
575 SCi	502/8.2L	V-8	2001 - 2005	0M050000 - 0M950526	8 US qt (7.6 L)
600 SC	502/8.2L	V-8	1991 - 1992	0D456489 - 0D456768	8 US qt (7.6 L)
600 SC (Gen. V)	502/8.2L	V-8	1992 - 2000	0D725676 and up	8 US qt (7.6 L)
500 Bulldog	540/8.9L	V-8	1990 - 2001	0C577254 - 0M050281	12 US qt (11.3 L)
575	540/8.9L	V-8	1986 - 1992	0A677429 - 0D763716	7 US qt (6.6 L)
800 SC (Gen. V)	572/9.4L	V-8	1993 - 1998	0D763836 and up	9 US qt (8.5L)
900 SC	542/8.9L	V-8	1998 - 2000	0K999856 - 0L602069	11 US qt (10.5 L)
900 SC (Dry Sump)	542/8.9L	V-8	2001 - 2019	0L306805 and up	16 US qt (15.2 L)

<sup>(1)</sup> Approximate, ALWAYS use dipstick to determine exact quantity of oil required

# **MERCRUISER OIL FILTERS - GASOLINE**

This engineered marine filter provides outstanding durability through a more robust design, heavier gauge materials and a superior paint process inside and out. Designed for a marine environment, this filter provides benefits not found in a standard automotive filter.

### **OIL FILTER**



#### 35-883702Q

Fits MCM V-6 models that have the oil filter mounted on the engine block. Not for use with V-6 engines that have a remote oil filter.

Quicksilver Branded, Box Point of Sale Packaged.

#### **OIL FILTER**



#### 35-866340Q03

Fits all MCM/MIE GM engines, except V-6 models that have the oil filter mounted on the engine block. Also fits the 4.5L and 6.2L Mercury engine.

Priced individually, sold @ multiples of 6

Quicksilver Branded, Box Point of Sale Packaged.

# OIL FILTER



#### 35-858004Q

High efficiency, High performance synthetic media removes over 97% of oil contaminants versus 78% for conventional paper element filters.

Fits all MCM/MIE GM engines, except V-6 models that have the oil filter mounted on the engine block. Also fits the 4.5L and 6.2L Mercury engine. Quicksilver Branded, Box Point of Sale Packaged.

#### **OIL FILTER**



#### 35-8M0116378

Fits all MCM/MIE Ford engines Quicksilver Branded, Box Point of Sale Packaged.

#### **OIL FILTER**



#### 35-16595Q

Fits 2006 & older MCM Hi-Performance GM V-8 engines. Quicksilver Branded, Box Point of Sale Packaged.

#### **OIL FILTER**



### 35-881126K01

10 micro, synthetic media

Fits 2007 and newer MCM Hi-Performance GM V-8 engines, except the following SCi engines: 600, 662, & 700 (s/n 0M953905-0M962240) and all 850, 1075 & 1200 Mercury Branded, Box Point of Sale Packaged.

#### **OIL FILTER**



# 35-840634K01

Fits MCM Racing SCi engines. 600, 662, & 700 (s/n 0M953905-0M962240) and all 850, 1075 & 1200 Mercury Branded





# AXIUS HYDRAULIC OIL FILTER



### 35-8M0138697

Axius Power Steering Oil Filter Fits MCM engines w/ Axius steering Mercury Branded

# TRANSMISSION OIL FILTER



# 35-879312T25

Fits Scorpion 350 EC w/ ZF 45C transmission Mercury Branded

# QUICKSILVER DIESEL STERNDRIVE/INBOARD OIL

# QUICKSILVER DIESEL STERNDRIVE/INBOARD OIL

# **SKU CHART**

# **Quicksilver Diesel Engine Oil**

Part Number	Description	Price/Packaging
92-8M0096794	4 L (1.06 gal) plastic bottles	Priced individually, sold @ 3 bottles / case.
92-8M0096795	208 L (55 gal.) drum	
92-8M0089690	1 L (33.8 oz. plastic bottles	Priced individually, sold @ 6 bottles / case.
92-8M0089691	4 L (1.06 gal) plastic bottles	Priced individually, sold @ 3 bottles / case.
92-8M0089692	208 L (55 gal) drum	

# **SAE 5W30**

Optimizes engine performance in marine applications because this stable, stay-in-grade formula resists thermal breakdown and oxidation under extreme conditions. Use of this oil will:

• Protect anti-pollution systems

- · Increase the life of diesel particulate filters (DPF)
- Provide outstanding wear and corrosion protection which help extend engine life

Meets international ACEA C3 specifications Meets OEM approvals for:

• Volkswagen® VW 501.00/507.00

- BMW® LL-04
- Mercedes-Benz® MB-Approval 229.51
- Porsche® C30

For use in Turbocharged Direct Injection (TDI) engines

# **5W30 FULL SYNTHETIC TDI ENGINE OIL**



92-8M0089690 1L (33.8 oz) plastic bottle

Quicksilver Branded

### 5W30 FULL SYNTHETIC TDI ENGINE OIL



92-8M0089691

4 L (1.06 gal) plastic bottle Quicksilver Branded

# **5W30 FULL SYNTHETIC TDI ENGINE OIL**



92-8M0089692

208 L (55 gal) drum Quicksilver Branded

# **SAE 15W40**

Protects better than standard fleet oils. Use of this oil will:

- · Provide outstanding wear and corrosion protection which help extend engine life
- Control soot, deposits and oil thickening
- Prevent sludge and varnish deposits

Meets or exceeds API CH-4/CF-4/SJ

- Meets or exceeds OEM approvals for:
   Mercury® non-TDI diesel applications
   Volvo® VDS®
- Caterpillar® CD/TO-2
- Cummins®
- · Detroit Diesel®
- · And other diesel engines

### 15W40 DIESEL ENGINE OIL



92-8M0096794

4 L plastic bottle Quicksilver Branded

### 15W40 DIESEL ENGINE OIL



92-8M0096795

208 L drum

Quicksilver Branded

# **OIL CAPACITY CHART - DIESEL ENGINE**

The engine oil capacity is only an Approximate, ALWAYS use dipstick to determine exact quantity of oil required.

# MerCruiser Diesel Engine Oil Capacity

Model	CID/Litre	Cyl.	Year Range	Serial # Range	Approx. Oil Pan Capacity w/ New Filter
D1.7L DTI (Alpha)	103/1.7L	I/L 4	2001 - 2019	0M055000 and up	4.75 US qt (4.5 L)
SDI 40/50/60	116/1.9L	I/L 4	2003 - 2012	All - All	4.75 US qt (4.5 L)
TDI 45/75	116/1.9L	I/L 4	2003 - 2012	All - All	4.75 US qt (4.5 L)
QSD 2.0L 115/130/150/170	2.0L	1/L4	All	All - All	5.5 US at (5.2L)
SDI 55/75	153/2.5L	I/L 5	2002 - 2019	All - All	, , ,
					6.34 US qt (6 L)
TDI 100/120/140/150/165	153/2.5L	I/L 5	2002 - 2019	All - All	6.34 US qt (6 L)
D2.8L D-Tronic (Bravo & MIE)	169/2.8L	I/L 4	1997 - 2019	0K144109 and up	8.45 US qt (8 L)
TDI 100/225/230/260/265	181/3.0L	V-6	2006 - 2019	All - All	8.45 US qt (8 L)
D183 Turbo AC (Bravo & MIE)	183/3.0L	I/L 5	1990 - 1993	0B993002 - 0D725151	9.5 US qt (9 L)
530 D-TA (Bravo & MIE)	183/3.0L	I/L 5	1989 - 1993	0B993002 - 0D725151	9.5 US qt (9 L)
D3.0L (Bravo & MIE)	183/3.0L	I/L 5	1994 - 1997	0D725152 and up	9.5 US qt (9 L)
D219 Turbo AC (Bravo & MIE)	219/3.6L	I/L 6	1990 - 1993	0B993002 - 0D850127	10.56 US qt (10 L)
636 D-TA (Bravo & MIE)	219/3.6L	I/L 6	1989 - 1993	0B993002 - 0D850127	10.56 US qt (10 L)
D3.6L (Bravo & MIE)	219/3.6L	I/L 6	1994 - 1997	0D850128 and up	10.56 US qt (10 L)
D3.6L W (Bravo)(MCM)(Intl.)	219/3.6L	I/L 6	1997	0K000001 and up	10.56 US qt (10 L)
TDI 335/350/370	254/4.2L	V-8	2009 - 2019	All - All	10 US qt (9.5 L)
D254 Turbo AC (Bravo & MIE)	254/4.2L	I/L 6	1990 - 1993	0C849461 - 0D554731	12.68 US qt (12 L)
D4.2L (Bravo & MIE)	254/4.2L	I/L 6	1994 - 1997	0D554732 and up	12.68 US qt (12 L)
D4.2L D-Tronic (Bravo & MIE)	254/4.2L	I/L 6	1997 - 2019	0K144114 and up	12.68 US qt (12 L)
D4.2L LD	254/4.2L	I/L6	1999 - 2019	0L344381 and up	12.68 US qt (12 L)
7.3L (Bravo & MIE)	444/7.3L	V-8	1994 - 1996	0F060000 and up	12 US qt (11.3 L)
D7.3L D-Tronic	444/7.3L	V-8	1996 - 2001	0K095775 and up	16-1/2 US qt (15.6 L)

<sup>(1)</sup> Approximate, ALWAYS use dipstick to determine exact quantity of oil required

# OIL FILTERS FOR MERCRUISER DIESEL ENGINES

# OIL FILTER ELEMENT 882687

Fits 1.7L MS 120 diesel.

# **OIL FILTER ELEMENT**



3.25 in. (83 mm) diameter

Fits CMD diesel engines D2.8L (170 & 200) (s/n 88010001 and up). Also fits QSD 2.0 (early version), 2.8 & 4.2 engines

# QUICKSILVER DIESEL STERNDRIVE/INBOARD OIL

# **OIL FILTER ELEMENT**



### 35-879312041

2.625 in. (67 mm) diameter

2.625 in. (67 mm) diameter
Fits 2008 & newer QSD 2.0 engines.
MCM ES 130 (s/n 88206399 and up)
MCM ES 150 (s/n 88221799 and up)
MCM ES 170 (s/n 88231000 and up)
MIE EI 115 (s/n 88200499 and up)
MIE EI 130 (s/n 88205099 and up)
MIE EI 150 (s/n 88220299 and up)
MIE EI 170 (s/n 88230000 and up)

### **OIL FILTER**



# 35-19485

Fits diesel engines D2.8L E models (s/n 88010000 and below), D3.0L (s/n 0D725460 and up), D3.6L (s/n 0F306930 and up), D4.2L (s/n 0F450250 and up), D4.2L E models, D183, D219, 530D-TA & 636D-TA.

# **OIL FILTER**



### 35-816168

Fits diesel engines D3.0L (s/n 0D725152-0D725459), D3.6L (s/n 0D850128-0F306929) & D4.2L (s/n 0D554732-0F450249).

# **OIL FILTER**



### 35-8M0066483

Fits 3.0L V6 & 4.2L V8 TDI diesel engine

### **OIL FILTER**



# 35-805809T

5.5 in. (139.7 mm) length Fits D7.3L diesel engines

# **OIL FILTER**



# 35-862889

7.5 in (190.5 mm) long

Fits MCM D7.3L D-tronic diesel engines (s/n 0L050050-0L391832)

# QUICKSILVER POWERSPORTS LUBRICANTS

# PERSONAL WATERCRAFT (PWC)

Quicksilver Full Synthetic 2-Stroke Personal Watercraft Oil meets the needs of all 2-Stroke PWC and sport boat engines. This low smoke/low odor formula keeps your engine cleaner. Continued use of this oil will:

- Provide outstanding wear and corrosion protection which helps extend engine life
- Minimize performance-robbing carbon deposits
  Maintain peak engine performance and reliability

Meets or exceeds manufacturers' warranty requirements. Using this product will not void manufacturer warranties.

Exceeds JASO FD and ISO EGD

Recommended for use in all 2-Stroke personal watercraft engines. Can be used in oil-injected or pre-mix applications.

# 2-STROKE FULL SYNTHETIC PWC OIL



# 92-8M0058907

Priced individually, sold @ multiples of 6 946 mL (32 FI Oz) plastic bottle Quicksilver Branded

# 2-STROKE FULL SYNTHETIC PWC OIL



# 92-8M0058908

Priced individually, sold @ multiples of 3 3.78 L (1 US Gal) plastic bottle Quicksilver Branded

# QUICKSILVER CORROSION PROTECTION

# QUICKSILVER CORROSION PROTECTION

# **CORROSION GUARD**



### 92-802878Q55

Corrosion Guard is a rust inhibitor that forms a water resistant barrier on non-painted and painted surfaces.

Use to prevent rust from forming on out drives, lower units and power trim motors and components or other metal surfaces. Can also be used to prevent further paint damage in areas where undercutting and blistering have occurred. Do not spray on surfaces coated with antifouling or biocide paint. Do no spray on drive belts.

Priced individually, sold @ multiples of 6

312 g (11 oz) spray can Quicksilver Branded

# SILICONE DIELECTRIC COMPOUND



# 92-823506 1

Protects and displaces moisture from spark plug boots, coils, and electrical switches.

227 g (8 oz) tube Quicksilver Branded

# STORAGE SEAL FOGGING OIL



# 92-8M0121972

Quicksilver Storage Seal forms a protective barrier that prevents rust on internal metal surfaces. It also keeps cylinders lubricated to prevent cylinder or piston damage when starting your engine after storage.

Use in all 2- and 4-cycle carbureted and fuel-injected gasoline engines including cars, trucks, motorcycles, ATVs, snowmobiles, marine engines, lawn mowers, chain saws, string trimmers and snow blowers.

Safe for catalyzed engines.

340 g (12 oz) spray can Quicksilver Branded

# STORAGE SEAL FOGGING OIL



### 92-802879Q 1

Priced individually, sold @ multiples of 2 3.78 L (1 US gal) plastic bottle Quicksilver Branded

# QUICKSILVER ENGINE COOLANT AND WATER SYSTEM ANTIFREEZE

# QUICKSILVER ENGINE COOLANT AND WATER SYSTEM ANTIFREEZE

### MARINE ENGINE COOLANT



### 92-8M0117687

Additives provide protection against corrosion and scale buildup. Premixed formula with low silicate content prevents silicate gelling. Protects down to -33 deg.F (-38

For MCM/MIE gas and diesel engines with closed cooling systems.

4 L (1.057 US gal) plastic bottle

Quicksilver Branded

### **EXTENDED LIFE COOLANT/ANTIFREEZE**



# 92-877770Q 1

Provides extended life protection for closed cooling systems. This 5 year, 1000 hour protection is ethylene glycol based and pre-diluted 50/50 with de-ionized water. It is silicate and phosphate free and will not cause gelling. Provides freeze protection down to -34 deg. F and boiling protection to 265 deg. F. It is also compatible with conventional anti-freeze, but dilution will reduce extended life

# Meets ASTM D-3306, ATSM D-4340

For use in all MCM/MIE gasoline engines with closed cooling systems. Also recommended for the following applications:

• ANFOR R 15-601

• BS 6580 (British standard)

• Chrysler® MS7170

- Chrysler® MS9769
- Ford® ESE-M97B44-A Ford® WSS-M97B44-D Ford® WSS-M97B51-A1
- FVV HEFT R443 (Germany)
- GM® 1825M GM® 6277M (DEX-COOL® specification) JASO M325 (Japan) JIS K 2234 (Japan) SAE J1034

- Mercedes Benz® DBL 7700

Priced individually, sold @ multiples of 4

3.78 L (1 US gal) plastic bottle

Quicksilver Branded

# LONG LIFE COOLANT/ANTIFREEZE



### 92-8M0110567

Long Life Coolant/Antifreeze Premixed 50/50.

Pre-diluted anti-freeze - Do not add water. Provides extended life protection for closed cooling systems. It is silicate and phosphate free and will not cause gelling. It is also compatible with conventional antifreeze.

Meets or Exceeds G12++ Performance Requirements Meets ASTM D-3306, ATSM D-4340

Recommended for the following applications:

• ANFOR R 15-601

• BS 6580 (British standard)

• Chrysler® MS7170

• Chrysler® MS9769

• Ford® ESE-M97B44-A

• Ford® WSS-M97B44-D

• Ford® WSS-M97B51-A1

• FVV HEFT R443 (Germany)

• GM® 1825M

- GM® 1825M
- GM® 6277M (DEX-COOL® specification)
- JASO M325 (Japan) JIS K 2234 (Japan) SAE J1034
- Mercedes Benz® DBL 7700
- VW® TL774-D
- VW® TL774-F VW® TL774-G

Priced individually, sold @ multiples of 4

3.78L (1 Gallon) plastic bottle

Quicksilver Branded

# QUICKSILVER ENGINE COOLANT AND WATER SYSTEM ANTIFREEZE

### EXTENDED LIFE COOLANT/ANTIFREEZE



### 92-8M0070979

Coolant/Antifreeze Concentrated.

Provides extended life protection for closed cooling systems. It is silicate and phosphate free and will not cause gelling. It is also compatible with conventional antifreeze, but dilution will reduce extended life benefits.

Meets ASTM D-3306. ATSM D-4340

Recommended for the following applications:

• ANFOR R 15-601

• BS 6580 (British standard)

• Chrysler® MS7170

• Chrysler® MS9769

• Ford® ESE-M97B44-A

• Ford® WSS-M97B44-D

• Ford® WSS-M97B51-A1

• FVV HEFT R443 (Germany)

• GM® 1825M

- FVV HEFT R443 (Germany)
  GM® 1825M
  GM® 6277M (DEX-COOL® specification)
  JASO M325 (Japan)
  JIS K 2234 (Japan)
  SAE J1034
  Mercedes Benz® DBL 7700

- VW® TL774-D
- VW® TL774-G

Priced individually, sold @ multiples of 4

3.78L (1 Gallon) plastic bottle

Quicksilver Branded

# **HEAVY DUTY DIESEL COOLANT**



# 92-8M0150218

Pre-mixed 50/50 formula with SCA's

Fre-mixed 50/50 formula with SCA's

For use in Mercury Diesel 6.7L. Works in all heavy-duty diesel, gasoline, and natural engine cooling systems. Optimum proctection against freezing and boil over. Provides corrosion protection of all cooling system metals and components. Incorporates nitrite to provide wet sleeve liner protection against cavitation. Designed to last the life of the engine when maintained with a high quality SCA filter system. Eliminates SCA mixing errors at initial fill. Phosphate-free formula reduces the risk of scale. Meets or exceeds these specification requirements:

CATERPILLAR®, CUMMINS® 90T8-4, CES 14603, DETROIT DIESEL® 7SE298, 93K217, JOHN DEERE® H24A1, H24C1, NAVISTAR B-1 TYPE II,
FREIGHTLINER® 48-22880, VOLVO / MACK®, MTU 5048, GM® 1899M, ASTM D4985, ASTM D5345, ASTM D6210, TMC RP329

4 L plastic bottle

# QUICKSILVER FUEL SYSTEM CARE AND MAINTENANCE

# **FUEL TREATMENT**

Quickare is a fuel treatment that can be used at every fill-up to:

- Maximize engine performance with all grades of gasoline
   Help control corrosion, gum and varnish build-up and phase separation associated with ethanol-blended fuel
- Help control moisture and corrosion problems associated with non-ethanol-blended fuel
- Clean up existing varnish and gum deposits from fuel lines, tanks, carburetors and injectors, intake valves and spark plugs
- Keep fuel fresh between fill-ups up to 3 months

20 ml treats 25 liters of fuel Use in all 2- and 4-cycle carbureted and fuel-injected gasoline engines including cars, trucks, motorcycles, ATVs, snowmobiles, marine engines, lawn mowers, chain saws, string trimmers and snow blowers. Safe for catalyzed engines.

# QUICKARE FUEL TREATMENT



### 92-8M0079743

20 ml treats 25 liters of fuel - 355 ml bottle treats 454 liters of fuel 355 mL (12 oz) plastic bottle Quicksilver Branded

### QUICKARE FUEL TREATMENT



# 92-8M0058680

.8ml ounce treats 1L of fuel - 946ml ounce bottle treats 1211 L Priced individually, sold @ multiples of 6 946 mL (32 oz) bottle Quicksilver Branded

# **ENGINE AND FUEL SYSTEM CLEANER**

- Quickleen should be used throughout the boating season to:
   Quickly and thoroughly remove carbon deposits from carburetors and injectors, intake valves, spark plugs, piston crowns and cylinder heads
- Prevent engine knocking and piston seize-up
- Extend spark plug life
   Moreover the state of the

Note: This product does not contain fuel stabilizers. use Quickare to prevent fuel breakdown and oxidation.

Use in all 2- and 4-cycle carbureted and fuel-injected gasoline engines including cars, trucks, motorcycles, ATVs, snowmobiles, marine engines, lawn mowers, chain saws, string trimmers and snow blowers. Safe for catalyzed engines.

# QUICKLEEN ENGINE & FUEL SYSTEM CLEANER



# 92-8M0079744

40 ml treats 25 liters of fuel - 355 ml treats 227 liters of fuel 355 mL (12 oz.) plastic bottle Quicksilver Branded

# QUICKLEEN ENGINE AND FUEL SYSTEM CLEANER



# 92-8M0058681

1.6ml treats 1 L of fuel 946ml bottle treats 1211L of fuel Priced individually, sold @ multiples of 6 946 mL (32 oz) Quicksilver Branded

# QUICKSILVER FUEL SYSTEM CARE AND MAINTENANCE

### QUICKGUARD DIESEL FUEL TREATMENT



### 92-8M0089198

Quickguard marine diesel additive is the industry's most complete multifunctional premium diesel additive with cetane improver. Diesel Guard Heavy Duty/Marine diesel additive upgrades typical No. 2 diesel fuel to a high cetane premium diesel. It is documented in fleet and laboratory tests to significantly improve engine performance, increase fuel economy, and reduce exhaust emissions. Typical applications include marine, and other heavy duty diesel applications.

Use of Quickguard Diesel Additive helps to:
• Stabilize fuel to prevent sludge
• Reduce smoke, exhaust emissions, and odor
• Provide thermal and storage stability

- Increase cetane up to 4 numbers
- Exceed L-10 Superior injector cleanliness rating (10 CRC max)
- Clean up injector deposits
   Exceed OEM lubricity standards
- Prevent corrosion
- · Prevent filter plugging
- Increase filter life
- Improve fuel economy up to 13.6%Demulsify water

Treats up to 946 Liters.

Priced individually, sold @ multiples of 6 946 mL (32 oz) Quicksilver Branded

# POWER TUNE INTERNAL ENGINE CLEANER



# 92-8M0121969

Quicksilver Power Tune© is recommended to assist in restoring lost power due to carbon, gum and varnish deposits that accumulate in the combustion chambers of gasoline engines. These deposits are the result of normal engine use, low temperature operation and the use of some fuels. Removing these deposits helps improve fuel/air flow and overall engine performance.

Use in all 2- and 4-cycle carbureted and fuel-injected gasoline engines including cars, trucks, motorcycles, ATVs, snowmobiles, marine engines, lawn mowers, chain saws, string trimmers and snow blowers.

Safe for catalyzed engines.

340 g (12 oz) spray can Quicksilver Branded

# **FUEL STABILIZER**

Add Quickstor Fuel System Treatment & Stabilizer to fuel before long-term boat storage to:

- · Prevent regular and ethanol-blended fuel from breaking down and oxidizing
- Stabilize fuel for up to a year
- Prevent fuel system corrosion
- Prevent gum and varnish from forming in the fuel and settling in fuel lines and tanks, carburetors and injectors
- Keep injectors and carburetors lubricated

1 ounce treats 5 gallons - 12 ounce bottle treats 60 gallons

Use in all 2- and 4-cycle carbureted and fuel-injected gasoline engines including cars, trucks, motorcycles, ATVs, snowmobiles, marine engines, lawn mowers, chain saws, string trimmers and snow blowers. Safe for catalyzed engines.

# **QUICKSTOR FUEL STABILIZER**



### 92-8M0079745

40 ml treats 25 liters of fuel - 355 ml bottle treats 227 liters of fuel 355 mL (12 oz.) plastic bottle Quicksilver Branded

### QUICKSTOR FUEL STABILIZER



# 92-8M0058682

1.6ml treats 1L of fuel 946ml ounce bottle treats 1211L of fuel Priced individually, sold @ multiples of 6 946 mL (32 oz) Quicksilver Branded





# **QUICKSTOR FUEL STABILIZER**



### 92-8M0058683

1.6ml treats 1L of fuel 3.785L bottle treats 2366L of fuel Priced individually, sold @ multiples of 4 3.78 L (1 US Gal) plastic bottle Quicksilver Branded

# WATER ELIMINATOR



### 67-808887Q

Contains a drying agent commonly used to keep small, sealed containers dry. It absorbs water that has collected in the fuel tank.

How to use: Attach to the inside fuel cap with the lanyard (included). Adjust the lanyard so the Water Eliminator sits at the bottom of the fuel tank. Replace as

For use in all octane grades of gasoline, including ethanol blended. Not recommended for diesel fuel.

For use in all 2-cycle and 4-cycle gasoline outboard, sterndrive, inboard and jet drive marine engines.

Priced individually, sold @ multiples of 6

Quicksilver Branded, Point of Sale Packaged.

# **ALCOHOL TESTER**



Test Tube used to find the ethanol/alcohol percentage in gasoline.

# Directions:

Directions:
Step 1: Add water to the water line.
Step 2: Add gasoline to the gasoline line.
Step 3: Replace cap and shake vigorously
Step 4: Stand vial vertically with cap upright for 10 minutes.
Step 5: Locate the gasoline/water separation line and read scale. The separation line will indicate the percentage of alcohol, if present.

# **QUICKSILVER GEARCASE LUBRICANT**

# QUICKSILVER GEARCASE LUBRICANT

Quicksilver outperforms automotive gear oil in marine applications because of its specialized additive package designed for marine gear cases. Continued use of this gear case lubricant will:

• Provide maximum protection against excessive wear—even in the presence of water

- Prevent corrosion and pitting
- · Help extend gear life

# **SKU CHART**

# **Quicksilver Gearcase Lubricant SKU Chart**

Item Number	Qty per Case	Container Size	Pallet Qty	Btl Length (in)	Btl Depth (in)	Btl Height (in)	Btl Weight (lb)	Case Length (in)	Case Width (in)	Case Height (in)	Case Weight (lb)	Pallet Weight (lb)
		SAE	80W90 PREM	IIUM GEAR LU	BE FOR OU	TBOARDS & J	ET PUMPS BEI	OW 75HP				
92-8M0121963	12	237 ML (8 FL OZ) TUBE										
92-858058QB1	6	QUART	468	4.2	2.375	9.25	2.083	8.9	7.7	10.1	12.5	1040
92-858059QB1	2	2.5 GAL.	72	9.1	6.8	14.5	20	9.78	14.5	14.5	40	1490
92-858007Q01	1	5 GAL.	36	12	12	14.75	39	12	12	14.75	39	1454
92-858061QB1	1	16 GAL.	9	14.25	14.25	27	136	14.25	14.25	27	136	1274
92-858062QB1	1	55 GAL.	4	23	23	34	434	23	23	34	434	1786
	SAE 90 H	IGH PERFORMANC	E GEAR LUB	E FOR OUTBO	DARDS, JET	PUMPS & SPO	ORT JETS ABO	VE 75HP AND	ALL STERND	RIVES		
90- <b>8M0121960</b>	12	237 ML (8 FL OZ) TUBE										
92-858064QB1	6	QUART	468	4.2	2.375	9.25	2.083	8.9	7.7	10.1	12.5	1040
92-858065QB1	2	2.5 GAL.	72	9.1	6.8	14.5	20	9.78	14.5	14.5	40	1490
92-858008Q01	1	5 GAL.	36	12	12	14.75	39	12	12	14.75	39	1454
92-858067QB1	1	16 GAL.	9	14.25	14.25	27	136	14.25	14.25	27	136	1274
92-858068QB1	1	55 GAL.	4	23	23	34	434	23	23	34	434	1786

# PREMIUM GEAR LUBE - SAE 80W90

Quicksilver Premium Gear Lube is recommended in lower units for outboards below 75HP.

# SAE 80W90 GEAR LUBE



92-8M0121963

237 ml (8 fl oz) tube Quicksilver Branded

# **SAE 80W90 GEAR LUBE**



# 92-858058QB1

For use in all outboard lower units and jet pumps below 75 hp.

- 1 L plastic bottle
- Quicksilver Branded



# SAE 80W90 GEAR LUBE



92-858059Q01
Priced individually, sold @ multiples of 2
9.46 L (2.5 US Gal) plastic bottle
Quicksilver Branded

# **SAE 80W90 GEAR LUBE**



92-858007Q01 18.9 L (5 US gal) plastic pail Quicksilver Branded

# **SAE 80W90 GEAR LUBE**



92-858061QB1 60 L drum Quicksilver Branded

# SAE 80W90 GEAR LUBE



92-858062QB1 208 L drum Quicksilver Branded

# PREMIUM GEAR LUBE CAPACITY CHART

This gearlube capacity chart is limited to recent models and has been developed to aid in determining how much gearlube to have on hand when servicing a particular gearhousing. Changing and servicing of gearlube should always be performed in accordance with techniques and procedures as outlined in the appropriate service or owner manuals. The quantities shown here are to be regarded as reference only. Any variation from the quantities shown may indicate an incorrect model selection, the wrong service technique or a more serious problem. Contact your local dealer prior to running if this should occur.

# For outboards less than 75 hp

Mercury or Quicksilver SAE 80W90 Premium Gear Lube is recommended

Brand	Model	Cycle	Model Description	Oz.	mL.
Mercury/Mariner	2.2, 2.5, 3.3	2 cycle		4.5	135
Mercury/Mariner	4, 5	2 cycle		6.8	200
Mercury/Mariner	6, 8, 9.9, 15	2 cycle		6.8	200
Mercury/Mariner	20, 25	2 cycle		8.8	260
Mercury/Mariner	30, 40	2 cycle	2 cylinder	14.9	440
Mercury/Mariner	40, 50	2 cycle	3 cylinder, std. Gearcase	14.9	440
Mercury/Mariner	60	2 cycle	Big Foot	22.5	665
Force	5	2 cycle		4.0	120
Force	9.9, 15	2 cycle		6.8	200
Force	25	2 cycle		8.8	260
Force	40, 50	2 cycle		14.9	440
Mercury/Mariner	2.5, 3.5	FourStroke		6.1	180
Mercury/Mariner	4, 5	FourStroke		6.8	200
Mercury/Mariner	8/9.9	FourStroke	MY 2004 & prior Standard gearcase	6.8	200
Mercury/Mariner	8/9.9	FourStroke	MY 2005 & newer Standard gearcase	10.8	320
Mercury/Mariner	9.9	FourStroke	MY 2004 & prior BigFoot	8.8	260
Mercury/Mariner	9.9	FourStroke	MY 2005 & newer BigFoot	12.5	370
Mercury/Mariner	15 (323cc)	FourStroke	Standard Gearcase	6.8	200
Mercury/Mariner	15 (323cc)	FourStroke	Big Foot	8.8	260
Mercury/Mariner	15 (351cc)	FourStroke		12.5	370
Mercury/Mariner	15 EFI	FourStroke	EFI	15.6	460
Mercury/Mariner	20 (351cc)	FourStroke		12.5	370
Mercury/Mariner	20 EFI	c)FourStrok e	EFI	15.6	460
Mercury/Mariner	25	FourStroke	Big Foot, Carb	14.9	440
Mercury/Mariner	25	FourStroke	EFI	11.8	350
Mercury/Mariner	30	FourStroke	MY 2005 & prior Standard gearcase	14.9	440
Mercury/Mariner	30	FourStroke	MY 2006 & newer EFI	11.8	350
Mercury/Mariner	30	FourStroke	MY 2005 & prior Big Foot	22.5	665
Mercury/Mariner	40	FourStroke	3 cylinder, std. Gearcase	14.9	440
Mercury/Mariner	40	FourStroke	3 cylinder, Big Foot	22.5	665
Mercury/Mariner	40, 45, 50	FourStroke	4 cylinder, 935 cc, std. Gearcase	14.9	440
Mercury/Mariner	40, 45, 50	FourStroke	4 cylinder, 935 cc, Big Foot	22.5	655
Mercury/Mariner	40	FourStroke	4 cylinder, 996 cc, Big Foot	24.0	710
Mercury/Mariner	50, 60	FourStroke	4 cylinder, 996 cc, std. Gearcase	11.5	340

# **QUICKSILVER GEARCASE LUBRICANT**

Brand	Model	Cycle	Model Description	Oz.	mL.
Mercury/Mariner	50, 60	FourStroke	4 cylinder, 996 cc, Big Foot	24.0	710

# HIGH PERFORMANCE GEAR LUBE - SAE 90

Quicksilver High Performance Gear Lube is recommended for use in marine gear cases with marine engines above 75HP.

# **SAE 90 GEAR LUBE**



90-8M0121960 237 ml (8 fl oz) tube Quicksilver Branded

# **SAE 90 GEAR LUBE**



92-858064QB1 1 L (33.8 fl oz) plastic bottle Quicksilver Branded

# SAE 90 GEAR LUBE QUART & GEAR LUBE PUMP



### 91-8M0050053

Gear lube pump and a one liter of Hi Performance gear lube conveniently packaged together. Use the pump to replace your gear case oil with ease. Fits all quart and liter bottles.

Gear lube pump: Fits all MerCruiser sterndrives and Mercury/Mariner outboards (except models of Japanese origin) with a .375 in-16 drain/fill screw. Adapter available

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **SAE 90 GEAR LUBE**



92-858065QB1 10 L (2.64 gal) plastic bottle Quicksilver Branded

# SAE 90 GEAR LUBE



92-858067QB1 60 L drum Quicksilver Branded

# SAE 90 GEAR LUBE



92-858068QB1 208 L drum Quicksilver Branded



# HIGH PERFORMANCE GEAR LUBE CAPACITY CHART

This gear lube capacity chart is limited to recent models and has been developed to aid in determining how much gearlube to have on hand when servicing a particular gearhousing. Changing and servicing of gearlube should always be performed in accordance with techniques and procedures as outlined in the appropriate service or owner manuals. The quantities shown here are to be regarded as reference only. Any variation from the quantities shown may indicate an incorrect model selection, the wrong service technique or a more serious problem. Contact your local dealer prior to running if this should occur.

### For outboards 75 hp and up and all sterndrives

Mercury or Quicksilver SAE 90 High Performance Gear Lube is recommended

Brand	Model	Cycle	Model Description	Oz.	mL.
Mercury/Mariner	75, 90	2 cycle	3 cylinder	22.5	665
Mercury/Mariner	100, 115, 125	2 cycle	4 cylinder	22.5	665
Mercury/Mariner	115	2 cycle	3 cylinder Optimax	22.5	665
Mercury/Mariner	135, 150	2 cycle	2.0L	22.5	665
Mercury/Mariner	150, 175, 200	2 cycle	2.5L Carb/EFI/Optimax	22.5	665
Mercury/Mariner	200, 225, 250	2 cycle	3.0L Carb/EFI/Optimax	27.0	798
Force	75	2 cycle		12.0	355
Force	90, 120	2 cycle		22.5	655
Mercury/Mariner	75-90	FourStroke	S/N 1B366822 & below	22.5	665
Mercury/Mariner	75-90	FourStroke	S/N 1B366823 & above	24.0	710
Mercury/Mariner	115	FourStroke		24.0	710
Mercury/Mariner	135/150/175	FourStroke	Verado (RH rotation)	32.8	970
Mercury/Mariner	150 EFI	FourStroke	RH rotation	26.4	780
Mercury/Mariner	200	FourStroke	Verado (RH rotation)	32.8	970
Mercury/Mariner	225 EFI	FourStroke	Standard gearcase	39.0	1.15L
Mercury/Mariner	225/250/275/300	FourStroke	Verado (RH rotation)		
			4.8 Diameter	32.8	970
			5.44 Dia. Sportmaster	20.9	620
			5.44 Dia. HD	17.2	510
			5.44 non-HD	28.7	850
MerCruiser	Alpha One Gen II	4 cycle	without Gear lube Monitor	1.22 US Quarts	1.16L
MerCruiser	Alpha One Gen II	4 cycle	with Round Gear lube Monitor	2.0 US Quarts	1.9L
MerCruiser	Alpha One Gen II	4 cycle	with Rectangular Gear lube Monitor	1.75 US Quarts	1.66L
MerCruiser	Bravo One	4 cycle	without Gear lube Monitor	2.0 US Quarts	1.9L
MerCruiser	Bravo One	4 cycle	with Round Gear lube Monitor	3.25 US Quarts	3.07L
MerCruiser	Bravo One	4 cycle	with Rectangular Gear lube Monitor	2.75 US Quarts	2.6L
MerCruiser	Bravo Two	4 cycle	without Gear lube Monitor	2.5 US Quarts	2.4L
MerCruiser	Bravo Two	4 cycle	with Round Gear lube Monitor	3.75 US Quarts	3.55L
MerCruiser	Bravo Two	4 cycle	with Rectangular Gear lube Monitor	3.25 US Quarts	3.07L
MerCruiser	Bravo Three	4 cycle	without Gear lube Monitor	2.0 US Quarts	1.9L
MerCruiser	Bravo Three	4 cycle	with Rectangular Gear lube Monitor	3.0 US Quarts	2.84L

Brand	Model	Cycle	Model Description	Oz.	mL.
MerCruiser	Blackhawk	4 cycle	without Gear lube Monitor	1.75 US Quarts	1.66L
MerCruiser	Blackhawk	4 cycle	with Rectangular Gear lube Monitor	2.25 US Quarts	2.1L

# MERCURY EXTREME PERFORMANCE GEAR LUBE

Mercury Racing Gear Lube was designed for outboard and sterndrive racing applications. This gear lube provides maximum protection against:

- Water intrusion advanced emulsifiers protect gears if water enters the gear housing
- Wear tackifiers and pressure additives improve oil film adhesion and protect against excessive wear
- Horsepower loss prevents horsepower loss and won't break down when gears reach high temperatures

Recommended for use in Mercury Racing outboard gear cases including: Sport Master, Torque Master, Fleet Master, VI SSM and IV SSM and Mercury Racing sterndrive applications including Dry Sump Six,NXT6, SSM, NXT, Bravo XR, Bravo XR Sport Master drives and NXT transmission assemblies.

### SAE 85W90 EXTREME PERFORMANCE GEAR OIL



# 92-8M0078015

Used in high-performance gearcases Priced individually, sold @ multiples of 6 946 ml (32 oz) bottle Mercury Branded

# SAE 85W90 EXTREME PERFORMANCE GEAR OIL



### 92-8M0078016

Used in high-performance gearcases Priced individually, sold @ multiples of 1 18.9 liters (5 US Gal) plastic pail Mercury Branded

# QUICKSILVER GEARCASE LUBRICANT ACCESSORIES

# **QUICKSILVER GEARCASE LUBRICANT ACCESSORIES**

# **GEAR LUBE PUMP**



### 91-8M0072133

Easily replace your lower unit oil with this pump. Fits all quart and liter bottles. Fits any outboard or stern drive with a 3/8"-16 drain plug. Use adapter (included) for gear cases with an M8x1.25 drain plug.

Priced individually, sold @ multiples of 6

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **GEAR LUBE PUMP**



# 91-850730Q 1

For all 2-1/2 US gal (10 L) plastic oil bottles. May be used with any outboard which uses a 3/8"-16 drain/fill screw.

Fits all MerCruiser sterndrives and Mercury/Mariner Outboards except those models of Japanese origin.

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### **GEAR LUBE PUMP ADAPTER**



# 91-883704Q03

Adapts our 3/8-16 threaded quart, liter and 2-1/2 gallon gearlube pumps for filling the gearcase.

Fits Mercury/Mariner 4/5 HP (1987 and newer), 4/5/6 HP FourStroke, 225 EFI FourStroke, MY2005 & newer 8/9.9 HP FourStroke, MY2006 & newer 25/30 EFI FourStroke, the 15/20 HP FourStroke (351cc), all Mercury/Mariner outboards of Japanese origin and all Nissan/Yamaha/Tohatsu/Honda outboards with an 8x1.25 metric threaded gear lube fill hole.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **QUICKSILVER GREASES**

Quicksilver Grease Product Line Simplified

Quicksilver greases have gone through a makeover. The product line has been simplified to eliminate confusion about which grease to use in what application. The line has been reduced from six types of grease to three. Below is a summary of the consolidation:

2-4-C Marine Grease - No change

Needle Bearing Assembly Grease - Now called Assembly Grease. The formula has not changed but the packaging has. Instead of 8 oz tubes, the product now comes in 1lb tubs.

Special 101 – Replaced by 2-4-C Marine Grease
U-Joint and Gimbal Bearing Lubricant – Replaced by Extreme Grease

Anti-Corrosion Grease - Replaced by Extreme Grease Engine Coupler/Spline Grease - Replaced by Extreme Grease

# **MARINE GREASE**

Quicksilver 2-4-C Marine Grease with PTFE is a high quality, extremely versatile lithium-based, NLGI 2 grease that won't break down when mixed with water. It also has:

- Excellent resistance to oxidation and degradation
- Extreme pressure additives to withstand friction in a wide variety of operations and temperatures

Replaces Quicksilver Special 101 Lubricant part number 92-802865Q02

For use in the following marine applications:
• Steering systems/cable linkages
• Throttle and shift cables and linkages

- Remote controls
- Prop shafts
- Swivel pins
- Tilt lock mechanisms/tilt tube
- Hinge pins
- Boat trailer wheel bearings

# 2-4-C MARINE LUBRICANT



### 92-802861Q 1

Priced individually, sold @ multiples of 10

3 - 85 a tubes (3 - 3 oz tubes) cartridge

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# 2-4-C MARINE LUBRICANT & CARTRIDGE GUN



# 91-74057Q 5

Cartridge gun and one 3 oz.(85 g) cartridge. Priced individually, sold @ multiples of 4

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# 2-4-C MARINE LUBRICANT



### 92-8M0121966

2-4C grease with Teflon 227 g (8 oz) tube Quicksilver Branded

### 2-4-C MARINE LUBRICANT



### 92-802863Q 1

Fits standard 14 oz grease guns Priced individually, sold @ multiples of 4 397 g (14 oz) cartridge Quicksilver Branded

# QUICKSILVER GREASES

# **MULTI-PURPOSE GREASE**

Quicksilver Extreme Grease is a formulated for high-temperature and high-load applications.

• Calcium sulfonate-based NLGI 2 grease

- · Meets GC-LB requirements
- Excellent rust and corrosion protection
- Formulated for high-temperature and high load applications
  100% compatible with lithium-based greases

- Quicksilver Engine Coupler Spline Grease part number 92-802869Q1
- Quicksilver U-Joint & Gimbal Bearing Lubricant part numbers 92-802870Q1 and 92-802871Q1
- Quicksilver Anti-Corrosion Grease part number 92-802867Q1

For use in the following applications for automobiles, light trucks, campers, marine engines, utility trailers, ATV/UTVs, motorcycles and snowmobiles:

- Steering systems/cable linkages
- Throttle and shift cables and linkages
- Drive shaft splinesGimbal bearings
- U-Joints
- · Suspension systems
- Chassis
- Ball joints
- Disc brakes and ABS applications
- · Trailer wheel bearings

See the Non-Marine Application Grease Chart for more information.

# **EXTREME GREASE**



### 92-8M0071837

Priced individually, sold @ multiples of 10

85 g (3 oz) 3-pack cartridges

Quicksilver Branded, Peg Display Product Point of Sale Packaged.

# **EXTREME GREASE**



### 92-8M0071838

- For use in the following applications:
  \*Steering systems/cable linkages and linkages
  \*Drive shaft splines
  \*Gimbal bearings

- \*U-joints
- \*Suspension systems
  \*Chassis

- \*Ball joints
  \*disc brakes and ABS applictions
  \*Trailer wheel bearings

Priced individually, sold @ multiples of 6

227 g (8 oz) tube

Quicksilver Branded

# **EXTREME GREASE**



# 92-8M0071841

Formulated for high-temperature and high-load applications

Priced individually, sold @ multiples of 4

397 g (14 oz) cartridge

Quicksilver Branded

# **ENGINE ASSEMBLY GREASE**

# **ASSEMBLY GREASE**



### 92-8M0071836

Use to protect newly repaired or rebuilt engines. Will not contaminate engine lubricants and dissolves completely after initial engine startup.

Recommended for engine components that are susceptible to wear at startup such as:
\* Bearings
\* Camshaft lobes
\* Lifters
\* Docker arms

- \* Rocker arms \* Wrist pins

For use in the assembly and repair of two and four stroke engines.

Priced individually, sold @ multiples of 4

454 g (16 oz)

Quicksilver Branded

# **GREASE APPLICATION CHARTS**

# **Marine Application Grease Chart**

This chart is a general maintenance guide for applying either 2-4-C Marine Grease or Extreme Grease in marine applications. Maintenance schedules for specific models are included in each engine owner's manual and should be followed as such.

	Outboards	Sterndrives	Freshwater Lubrication Intervals	Saltwater Lubrication Intervals			
Steering systems/ cable, linkages	2-4-C	2-4-C	100 hrs./ at least once a year	50 hrs./at least once a year			
Throttle and shift cables and linkages	2-4-C	2-4-C	100 hrs.	50 hrs.			
Remote controls	2-4-C	2-4-C	100 hrs./or once a year	50 hrs./or once a year			
Prop shaft	2-4-C	2-4-C	100 hrs./120 days	50 hrs./60 days			
Swivel pins	2-4-C	2-4-C	100 hrs./120 days	50 hrs./60 days			
Tilt lock mechanism/tilt tube	2-4-C		100 days	50 days			
Hinge pins		2-4-C	100 hrs./or once a year	50 hrs./or once a year			
Drive shaft splines (engine couplers)	Extreme	Extreme	100 hrs./or once a year	50 hrs./or once a year			
Gimbal bearings		Extreme	100 hrs./or once a year	50 hrs./or once a year			
U-Joint (1)		Extreme	100 hrs./or once a year	50 hrs./or once a year			
(1) 1993 and newer A	(1) 1993 and newer Alpha One models have a Perma-lube U-joint which requires no lubrication.						

# **Non-Marine Application Grease Chart**

This chart is a general maintenance guide for applying Extreme Grease in non-marine applications. Maintenance schedules for specific equipment and models are included in your owner's manual and should be followed as such.

Application	ATV/UTV/Motorcycle	Snowmobile	Auto
Steering systems/ cable, linkages	Х	Х	Х
Throttle and shift cables and linkages	Χ	X	X
Drive shaft splines (engine couplers)			Χ
U Joint	Χ		X
Suspension systems	Χ	X	X
Chassis	Χ		X
Ball joints			Х
Disc brakes and ABS apps	Χ	Х	Χ

# **QUICKSILVER PAINTS AND FINISH**

# **QUICKSILVER PAINTS AND FINISH**

# **FORCE COLORS**

# FORCE BLACK PAINT



# 92-802878Q32

Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Quicksilver Branded

### **GRAPHITE GRAY PAINT**



# 92-802878Q30

For all Force and Tracker outboards with dark gray hoods (1997 and older) Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Quicksilver Branded

# **MARINER COLORS**

# **MARINER GRAY PAINT**



# 92-802878Q16

For all 1984 and older Mariner outboards. Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Quicksilver Branded

# **MARINER LIGHT GRAY PAINT**



### 92-802878Q14

For 1985 and newer Mariner outboards (except 1994 and newer top cowls, 1994 and newer lower cowls on 8/9.9/15, 75 hp and larger models and 1997 3.0L Offshore models) also for Tracker outboards with silver hoods.

Priced individually, sold @ multiples of 6

340 g (12 oz) spray can Quicksilver Branded

# MARINER NICKEL GRAY PAINT



# 92-802878Q10

For Mariner outboard lower cowls on 8/9.9/15, 75 hp and larger models - 1994 and newer (except 1997 3.0L Offshore models) and Tracker outboards with silver hoods

Priced individually, sold @ multiples of 6

340 g (12 oz) spray can

Quicksilver Branded

# **MARINER SILVER PAINT**



### 92-802878Q12

For Mariner outboard top cowls - 1994 and newer (except 1997 3.0L Offshore models) and Tracker outboards with silver hoods.

Priced individually, sold @ multiples of 6

340 g (12 oz) spray can

Quicksilver Branded

# **MERCURY COLORS**

# **CAMOUFLAGE TAN PAINT**



### 92-802878Q39

Special low-gloss paint to match the Advantage MAX-4 HD® graphics on the Mercury FLYWAY outboards.

Recommended for use on Mercury FLYWAY 25 EFI outboards

Priced individually, sold @ multiples of 6

340 g (12 oz) spray can

Quicksilver Branded

### **PHANTOM BLACK**



# 92-8M0133921

Paint pen for touch-up in Phantom Black. For all Mercury outboards and MCM/MIE engines and drives.

18 mL paint pen

Mercury Branded

# **VERADO SILVER**



# 92-8M0132061

Authentic silver paint for Mercury and Mariner outboards. Fast drying and high gloss.

340 g (12 oz) can Mercury Branded

# **VERADO SILVER**



# 92-802878Q21

Priced individually, sold @ multiples of 6 18 mL (.6 fl oz) bottle with applicator brush Quicksilver Branded, Box Point of Sale Packaged.

# **WARM FUSION PAINT**



### 92-8M0094987

Authentic white paint for Mercury Outboards. Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Mercury Branded

# **COLD FUSION PAINT**



# 92-8M0094988

Authentic white paint for Mercury Outboards. Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Mercury Branded

# **QUICKSILVER PAINTS AND FINISH**

# **PROPELLER PAINT**

# **EDP PROPELLER BLACK PAINT**



### 92-802878Q50

Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Quicksilver Branded

# PHANTOM BLACK PAINT



# 92-802878Q 1

For all Mercury outboards and MCM/MIE engines and drives. Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Quicksilver Branded

# **SURFACE PREPARATION AND FINISH**

# **LIGHT GRAY PRIMER**



# 92-802878Q52

Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Quicksilver Branded

# **CLEAR COAT**



### 92-802878Q53

For cowls on Mercury, Mariner and Force outboards. Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Quicksilver Branded

# **LEVELER**



### 92-802878Q54

Used to smooth the finish of painted objects. Priced individually, sold @ multiples of 6 340 g (12 oz) spray can Quicksilver Branded

# **COWL FINISH COMPOUND**



# 92-859026K 1

Removes minor scratches while providing a high gloss finish For all Mercury and Mariner cowls Priced individually, sold @ multiples of 6 250 mL (8.4 oz) bottle Mercury Branded

# QUICKSILVER STEERING FLU

# **QUICKSILVER STEERING FLUID**

# **POWER TRIM AND STEERING FLUID**



### 92-858074QB1

A universal hydraulic fluid designed to mix with all hydraulic fluids, protect seals and hoses, and prevent foaming, oxidation and corrosion.

Recommended for all outboard and sterndrive applications except electric power steering systems (use Synthetic Power Steering Fluid SAE 0W30) and non-power hydraulic steering systems (use Hydraulic Helm Steering Fluid)

Recommended for all applications that require a Type F Transmission Fluid 237 ml (8 fl oz) plastic bottle

Quicksilver Branded

# **POWER TRIM AND STEERING FLUID**



# 92-858075QB1

A universal hydraulic fluid designed to mix with all hydraulic fluids, protect seals and hoses, and prevent foaming, oxidation and corrosion.

Recommended for all outboard and sterndrive applications except electric power steering systems (use Synthetic Power Steering Fluid SAE 0W30) and non-power hydraulic steering systems (use Hydraulic Helm Steering Fluid)

Recommended for all applications that require a Type F Transmission Fluid 946 ml (32 fl oz) plastic bottle

Quicksilver Branded

# HYDRAULIC HELM STEERING FLUID



### 92-858078QB1

For use in MCM compact hydraulic helm steering systems.
Also used on Mercury Hydraulic Steering - Verado 135-175 and bolt-on steering system.

1 L (33.8 fl oz) plastic bottle

Quicksilver Branded

# **SYNTHETIC POWER STEERING FLUID SAE 0W-30**



### 92-858076K01

Recommended for electric power steering systems such as Verado. Recommended for transmission and steering and actuator systems for Zeus drives Priced individually, sold @ multiples of 12

236 ml (8 fl oz) plastic bottle Mercury Branded

# **SYNTHETIC POWER STEERING FLUID SAE 0W-30**



# 92-858077K01

Recommended for electric power steering systems such as Verado, JPO and Axius Gen I only. Recommended for transmission and steering and actuator systems for Zeus drives

Priced individually, sold @ multiples of 6 946 ml (32 fl oz) plastic bottle Mercury Branded

# SHOP PRODUCTS FOR ENGINE ASSEMBLY AND MAINTENANCE

# SHOP PRODUCTS FOR ENGINE ASSEMBLY AND MAINTENANCE

# **ADHESIVES AND SEALANTS**

# PERFECT SEAL SEALING COMPOUND



### 92-34227Q02

Used in general sealant applications. 473 ml (16 fl oz) can Quicksilver Branded

### **HEAT TRANSFER COMPOUND**



### 92-8M0119689

Helps transfer heat from the electric fuel pump to the mounting plate and cooler on all MCM cool fuel systems, also helps transfer heat from ignition modules to the distributor bodies.

9.5 g (.33 oz) tube

# **BELLOWS ADHESIVE**



# 92-86166Q1

Securely seals universal and exhaust bellows.

For all MCM sterndrives.

42.5 g (1.5 oz) tube

Quicksilver Branded, Box Point of Sale Packaged.

# **LUBRICANTS**

# SILICONE DIELECTRIC COMPOUND



### 92-823506 1

Protects and displaces moisture from spark plug boots, coils, and electrical switches.

227 g (8 oz) tube Quicksilver Branded

# **SPECIALTY**

# **FUEL INJECTION PRO INJECT-R CLEANER**



# 92-8M0062765

This fluid restores injectors to their original spray pattern, helps prevent recurring problems, and reduces intake and port deposits. Used in canister-type cleaning devices

Note: Not for use as a fuel additive; do not pour into fuel tank.

For professional use only. Use in Mercury pressurized injector cleaner tool 91-898263A01. Consult Instruction sheet (comes with tool) 90-898266 for proper use

Priced individually, sold @ multiples of 12

473 mL (16 fl oz) can

# **FUEL INJECTION CLEANER TOOL**



# 91-898263A01

- Connects directly to your shop air supply. When used with recommended solvent, will clean injectors more effectively than aerosol methods.
- Includes gauge, hose, instructions, and Tools & Techniques manual.



# SHOP TOOLS AND ACCESSORIES

# **DISPLAYS**

# QUICKSILVER OIL AND LUBE DISPLAY STAND



### 93-8M0096340

Quicksilver oils & lubes display stand. Is rolling on 4 wheels and with brake function. Robust metal construction with 5 trays. Large Quicksilver branded panels on top and sides.

Dimensions: Height 1.700mm, Width 600mm, Depth 432mm. Weight 38kg. Colour: Black RAL 9005.

Easy construction. Construction manual and label holders for trays included. Quicksilver Branded

# **BARREL PUMP**

# **BARREL PUMP**



# 91-850438 1

Professional barrel pump with non-drip spout, 360 degree swivel handle and telescopic tube. Delivers approximately 10 oz. per stroke, equipped with standard 2" bung assembly.

Adjusts to fit 15 to 55 gallon drums.

# **BARREL PUMP**



Heavy duty barrel pump of rugged die cast and steel assembly, standard 2" bung assembly and discharge spout threads which can fit a garden hose fitting. Long lasting Buna-N seals for superior suction.

Telescoping pick-up tube accommodates varying barrel sizes.

# **BARREL PUMP**



### 91-878375

Aluminum rotary hand pump includes bung adapter, 4 ft. polyethylene discharge hose and two piece steel suction pipe.

For use with gasoline, diesel and similar light petroleum products including 2 and 4 cycle oils.

# **CRANKCASE OIL PUMP AND ADAPTER**

# **OIL DRAIN PUMP**



# 802889Q 1

8/9.9 4-stroke outboards require additional adapter 828369
Fits all MCM/MIE engines with threaded fitting on dipstick tube, and Mercury/
Mariner 8/9.9 FourStroke outboards MY2004 and prior.
Quicksilver Branded, Hanging Box Point of Sale Packaged.

### **CRANKCASE OIL PUMP**



# 802889A 1

8/9.9 4-stroke outboards require additional adapter 828369

Fits all MCM/MIE engines with threaded fitting on dipstick tube, and Mercury/ Mariner 8/9.9 (4-stroke) outboards.

Mercury Branded, Hanging Box Point of Sale Packaged.

# SHOP TOOLS AND ACCESSORIES

# **OIL PUMP EXTRACTION TUBE**



### 32-859717A 2

.375 in O.D. tube, 19.5 in. long

Connects to the crankcase oil pump for use on the Zeus drive and various Mercury/Mariner FourStroke outboards.

### **ADAPTER**



### 828369

Adapts the standard threaded style MerCruiser crankcase pump for use on the Mercury/Mariner 8/9.9 hp. FourStroke outboards (MY2004 & prior) and the 15hp. FourStroke outboard (323cc).

# **OIL PUMP ADAPTER HOSE**



### 32-863642

Fits MCM/MIE D1.7L DTI diesel engines.

# **GREASE GUNS**

# **GREASE GUN**



# 91-37299Q 2

Pistol grip gun. Aids in the lubrication of key areas on the drive and transom. Allows easy access to grease fittings.

For use with 8 oz.(227 g) tubes.

Priced individually, sold @ multiples of 4

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **GREASE GUN**



### 91-30500

Plunger type gun for use with 8 oz.(227 g) tubes

### **GREASE GUN**



### 91-74057Q 6

for 3 oz.(85 g) cartridges

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **OIL FILTER WRENCHES**

# **OIL FILTER WRENCH**



### 91-802653Q02

This is a formed metal tool for strength and durability.

Fits replaceable screw-on type canister oil filters wherever found on current Mercury/Mariner FourStroke outboards 9.9 thru 60 hp., the 75-115 hp. s/n 1B366822 & below, and the 75-115 hp. s/n 2B094996 and above..

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **OIL FILTER WRENCH**



### 91-889277

Made of metal. Requires a 3/8" drive.

Fits the Quicksilver 35-822626Q15 screw-on type canister oil filter found on the V-225 hp. FourStroke outboard and the new 877767 \_\_ & 877769 \_\_ series filters for the 135-300 Verado.

# **OIL FILTER WRENCH**



### 91-889277002

Made of metal. Requires a 3/8" drive.

Fits the Mercury 35-822626T 7 screw-on type canister oil filter found on the V-225 hp. FourStroke outboard.

### **OIL FILTER WRENCH**



### 91-889277Q01

Metal wrench, requires a 3/8 in. drive ratchet.

Fits the (877761\_) oil filter found on the 75-115 EFI FourStroke outboard (serial number 1B366823-2B094995) and the 150 hp. EFI FourStroke outboard. Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **OIL FILTER WRENCH**



# 91-889277Q03

Metal wrench, requires a .375 in. drive ratchet.

Removes the 896546\_ series and 883701\_ series production oil filters found on the early Verado 135-275 hp. FourStroke outboards.

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **OIL DRIP TRAY**



### 8M0052100

After the oil resevoir has been properly drained, this tray when in place will help to prevent oil from dripping into the lower cowl when removing the side mounted engine filters listed in the application.

Fits the F25/30hp. EFI FourStroke Outboards and the F40-60hp. FourStroke outboards

Notes:			

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# **QUICK REFERENCE GUIDE-OUTBOARD**

# QUICK REFERENCE TWOSTROKE CHARTS

# 75-90-115 Optimax 1B227000 & above

Description		Part Number	Page
	Controls		
Side Mount - MSC 4000 Series - Electric w/trim	15 ft. (4.6 m) harness	8M0083666	
	20 ft. (6.1 m) harness	8M0083667	
Dual Engine Remote Control Kit	(for side mount control stacking)	16909A 2	486
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213	479
	Finger Release - Chrome Handle	8M0030550	479
	Lock Bar	883710A02	480
Console Mount (single eng. with trim) - Commander		88688A25	487
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686	481
Console Mount (dual eng. with trim) - Commander	Twin trim switches in handle	88688A22	487
Console Mount (dual eng. with trim) - MCC 4500	(Gen II) - single trim switch in handle	8M0075245	482
Throttle/Shift Cables (two per engine) - (Gen I)	(Premium Series)	897977A03 thru 897977A50	
Throttle/Shift Cables (two per engine) - (Gen II)	(Premium Series)	897978A03 thru 897978A50	
	Instrumentation		
All Models Max WOT Range = 5,000-5,750 RPM's			
Tachometer - 8000 RPM - Flagship	Black Face	79- <b>895283A06</b>	429
	White Face	79-895283A26	434
Tachometer - 8000 RPM - Admiral	Black Face	79- <b>895283Q06</b>	443
	White Face	79- <b>895283Q26</b>	451
Tachometer - 7000 RPM - Flagship	Black Face	79-895283A05	429
	White Face	79- <b>895283A25</b>	434
Tachometer - 7000 RPM - Admiral	Black Face	79-895283Q05	442
	White Face	79- <b>895283Q25</b>	450
Tachometer - 6000 RPM - Flagship	Black Face	79- <b>895283A03</b>	429
	White Face	79-895283A23	434
Tachometer - 6000 RPM - Admiral	Black Face	79-895283Q03	442
	White Face	79-895283Q23	450
		· · · · · · · · · · · · · · · · · · ·	
Tachometer Harness - Analog	5 ft. length x 14 pin	84-892990T01	571
	10 ft. length x 14 pin	84-892990T10	571
	15 ft. length x 14 pin	84-892990T15	571
			V. 1
Speedometer - 65 MPH - Flagship	Black Face	79-895285A03	430
- operation of the first lagority	White Face	79-895285A23	434
Speedometer - 65 MPH - Admiral	Black Face	79-895285Q03	443
opossimilar - os wii 11 - ziumilar	White Face	79-895285Q23	451
	WING I GOD	1 3"0332030(23	401

Description		Part Number	Page
Battery Meter - Flagship	Black Face	79- <b>895286A</b> 01	431
	White Face	79- <b>895286A21</b>	435
Battery Meter - Admiral	Black Face	79-895286Q01	444
	White Face	79- <b>895286Q21</b>	452
Fuel Gauge - Flagship	Black Face	79-895291A01	432
	White Face	79-895291A21	437
Fuel Gauge - Admiral	Black Face	79-895291Q01	445
	White Face	79-895291Q21	453
Cruiselog (hour meter) - Flagship	Black Face	79-895295A01	433
	White Face	79-895295A21	438
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01	446
	White Face	79-895295Q21	454
			100
Power Trim - Flagship - Analog	Black Face	79-895292A01	433
David Trine Admiral Apple	White Face	79-895292A21	437
Power Trim - Admiral - Analog	Black Face	79-895292Q01	446
	White Face	79-895292Q21	454
Power Trim Sender Kit		8M0098264	464
Tower Hill Serider Nic		UNIOU30204	404
Water Pressure Gauge - 15 PSI - Flagship	Black Face - Analog - (requires hose kit)	79- <b>895288A</b> 01	431
The state of the s	White Face - Analog - (requires hose kit)	79-895288A21	436
Water Pressure Gauge - 15 PSI - Admiral	Black Face - Analog - (requires hose kit)	79-895288Q01	444
	White Face - Analog - (requires hose kit)	79-895288Q21	452
Water Pressure Gauge Hose Kit	(required for analog gauge use)	32-892156A01	461
Service Monitor	Apply 3 wraps for proper operation	79-8M0050399	468
	Electrical		
Ignition/Choke Assembly - 11 ft. (3.35 m) harness		84-896537K11	586
Ignition/Choke Assembly - 15 ft. (4.6 m) harness		84-896537K15	586
Ignition/Choke Assembly - 20 ft. (6.1 m) harness		84-896537K20	587
Ignition/Choke Assembly - 25 ft. (7.62 m) harness		84-896537K24	587
Ignition/Choke Assembly - 30 ft. (9.14 m) harness		84-896537K29	587
Power Trim Switch Kit 10 ft /3 0 m	Transom Mounted	87- 18286A18	20 612
Power Trim Switch Kit - 10 ft. (3.0 m)	Transom Mounted Transom Mounted	87- 18286A19	29, 613 613
Power Trim Switch Kit - 25 ft. (7.6 m)	nansom wounted	07- 10200AT3	013
Lanyard Stop Switch, single outboard	Flush mounted	87- <b>19674A07</b>	596
, , , , , , , , , , , , , , , , , , , ,	Chrome bezel mounted	87- 19674A08	596
Lanyard Stop Switch, dual outboards	Flush mounted	87- 19674A12	596
	Chrome bezel mounted	87- 19674A13	596
	Fuel Line Assemblies, Tanks & Hardware		
	(Low Permeation hoses shown below)		
	Located on VST	35-8M0122423	256
Fuel Filter			
Fuel Filter			

Description		Part Number	Page
Fuel Line 12 ft. (3.7m) - Q/S - (US-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M0061887	
Fuel Line 12 ft. (3.7m) - MPP - (US-EPA)	5/16 ID - Primer Bulb - No Ends	32- <b>8</b> M0061896	
Fuel Line 9 ft. (2.74m) - (non-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M8026967	75
Fuel Line 12 ft. (3.7m) - Q/S - (non-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M0054326	75
Fuel Line 12 ft. (3.7m) - MPP - (non-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M0054331	
(1.61.2.1.)	3.13.12 1.1.11.13.13.13.13.13.13.13.13.13.13.13.	32 0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Bulk Fuel Line - (low permeation)	5/16 ID - no bulb or ends - 100 ft.	32-8M0038500	75
	3/8 ID - no bulb oe ends - 100 ft.	32-8M0038563	75
Fuel Line Connector	3/8 to 5/16	22-8M0001721	79
Primer Bulb - MPP (US-EPA)	Used with 5/16 or 3/8 ID fuel lines	8M0061876	
Primer Bulb - QS (US-EPA)	Used with 5/16 or 3/8 ID fuel lines	8M0061875	
Primer Bulb - MPP (non-EPA)	Used with 5/16 or 3/8 ID fuel lines	8M0054314	
Primer Bulb - QS (non-EPA)	Used with 5/16 or 3/8 ID fuel lines	8M0054313	75
Fuel Tank (US-EPA) 6.6 gal. Box Style	US-EPA 2011 Compliant	1200-8M0054600	
Fuel Tank (US-EPA) 6.6 gal Suitcase Style	US-EPA 2011 Compliant	1200- <b>8M0045691</b>	
Fuel Tank (non-US) 6.6 gal. (25 L) - Plastic Box Style	Quick connect fuel line connection/integral gauge	1200- <b>8M0083451</b>	72
Fuel Tank (non-US) 6.6 gal Plastic Suitcase Style	Quick connect fuel line connection/integral gauge	1200- <b>8M0083452</b>	72
	Miscellaneous Accessories		
Remote Oil Tank Kit		1257- <b>8742A25</b>	90, 418
Tilt Limit Switch Kit	Analog device	899625K02	611
	Digital device	899625K04	612
Coastal Flushing Kit	(allows engine flushing while in water)	858566A02	71
Tiller Handle Kit - Traditional		896648A09	47
Big Tiller	Mechanical Non-Power Steering Version	8M0093581	48, 627
Big Tiller	Mechanical Power Steering Version	8M0134607	48, 626
Big Tiller thottle/shift cable kit	Required for either version	8M0082352	49
	•		
Big Tiller Auxiliary Light	Optional	897978T02	50, 628
RPM Adjuster	Optional	87-8M0083437	49, 614
	4.44	440570.0	
Flushing Attachment - allows running engine - Q/S	(not for use with Jet 65)	44357Q 2	209
Flushing Attachment - allows running engine - MPP	(not for use with Jet 65)	44357T 2	
	Steering		
Dida Cuida Attachina Vit. 75/00	Cinala Fanina Cinala Cabla	00076440	670
Ride Guide Attaching Kit - 75/90	Single Engine - Single Cable	92876A12	670
	Single Engine - Two Cable	92876A 8	673
	Dual Engine - Two Cable	92876A 9	673
	Hydraulic Steering - Optional		
Hydraulic Helms	Standard 1 Al. Halm w/fluid & mtg. hdus	8M0050098	645
Hydraulic Helms	Standard 1.4L Helm w/fluid & mtg. hdwe.		645
D	Tilt Helm w/fluid & mtg. hdwe.	8M0050099	645
Remote Fill Kit	Use with Tilt Helm Kit	64- <b>889934A0</b> 5	648

Description		Part Number			Page
Hydraulic Hoses	Cylinder to helm	32-8M0053474	thru	8M0053491	647
Hydraulic Cylinder - Standard Rotation	Single engines	8M0054993			

# V-6 Optimax (Non DTS) 1B227000 & above

Description		Part Number	Page
•			
	V-6 Optimax SmartCraft Riging Kits		
			=
Single Engine Data Kit with Oil Sender	System Monitor or VesselView not included	8M0056277	417
	(will accommodate System Tach/Speed)		
	(will accommodate System Link gauges) (requires 84-896537_ Series Harness)		
	(requires 04-050537_ Series Flattiess)		
Dual Engine Data Kit with Oil Sender	System Monitor or VesselView not included	8M0056279	418
	(will accommodate System Tach/Speed)		
	(will accommodate System Link gauges)		
	(requires 84-896537_ Series Harness)		
	Controls		
Side Mount - MSC 4000 Series - Electric w/trim	15 ft. (4.6 m) harness	8M0083666	
	20 ft. (6.1 m) harness	8M0083667	
Dual Engine Remote Control Kit	(for side mount control stacking)	16909A 2	486
Budi Engine Nomble Control Nit	(for side mount control stacking)	100007.2	400
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213	479
	Finger Release - Chrome Handle	8M0030550	479
	Lock Bar	883710A02	480
Console Mount (single eng. with trim) - Commander		88688A25	487
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686	481
Console Mount (dual eng. with trim) - Commander	Twin trim switches in handle	88688A22	487
Console Mount (dual eng. with trim) - MCC 4500	(Gen II) - single trim switch in handle	8M0075245	482
Throttle/Shift Cables (two per engine) - (Gen I)	(Premium Series)	897977A03 thru 897977A50	
Throttle/Shift Cables (two per engine) - (Gen II)	(Premium Series)	897978A03 thru 897978A50	
	,		
	Instrumentation - Analog Gauges		
135 HP. Max WOT Range = 5,000-5,600 RPM's			
150/175 HP. Max WOT Range = 5,250-5,750 RPM's			
200/225 HP. Max WOT Range = 5,000-5,750 RPM's			
250 HP. Max WOT Range = 5,500-6,000 RPM's			
Service Monitor	Apply 3 wraps for proper operation	79-8M0050399	468
Sel vice ividilitui	дрріу з міара іог ріореї орегаціон	1.2-0INIO020288	400
Tachometer - 8000 RPM - Flagship	Black Face	79- <b>895283A06</b>	429
	White Face	79-895283A26	434
Tachometer - 8000 RPM - Admiral	Black Face	79-895283Q06	443
	White Face	79- <b>895283Q26</b>	451

Description		Part Number	Page
- Security and the secu		i di ritaliissi	r ago
Tachometer - 7000 RPM - Flagship	Black Face	79-895283A05	429
	White Face	79- <b>895283A25</b>	434
Tachometer - 7000 RPM - Admiral	Black Face	79- <b>895283Q05</b>	442
	White Face	79-895283Q25	450
Tachometer - 6000 RPM - Flagship	Black Face	79- <b>895283A03</b>	429
	White Face	79- <b>895283A23</b>	434
Tachometer - 6000 RPM - Admiral	Black Face	79- <b>895283Q03</b>	442
	White Face	79- <b>895283Q23</b>	450
Tachometer Harness - Analog	5 ft. length x 14 pin	84-892990T01	571
	10 ft. length x 14 pin	84-892990T10	571
	15 ft. length x 14 pin	84-892990T15	571
Speedometer - 80 MPH - Flagship	Black Face	79- <b>895285A04</b>	430
	White Face	79-895285A24	434
Speedometer - 80 MPH - Admiral	Black Face	79-895285Q04	443
	White Face	79-895285Q24	451
Speedometer - 65 MPH - Flagship	Black Face	79- <b>895285A03</b>	430
	White Face	79- <b>895285A23</b>	434
Speedometer - 65 MPH - Admiral	Black Face	79- <b>895285Q03</b>	443
	White Face	79- <b>895285Q23</b>	451
Battery Meter - Flagship	Black Face	79-8 <b>95286A01</b>	431
	White Face	79-895286A21	435
Battery Meter - Admiral	Black Face	79- <b>895286Q01</b>	444
	White Face	79-895286Q21	452
5.10	5	70.007001101	400
Fuel Gauge - Flagship	Black Face	79-895291A01	432
5.10	White Face	79-895291A21	437
Fuel Gauge - Admiral	Black Face	79-895291Q01	445
	White Face	79- <b>895291Q21</b>	453
Caricolog (hour motor). Florabia	Diagle Face	70.905905404	422
Cruiselog (hour meter) - Flagship	Black Face White Face	79-895295A01 79-895295A21	433 438
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01	446
Cruiselog (nour meter) - Aumiral	White Face	79-895295Q21	454
	Willie Face	15-0502550021	707
Power Trim - Flagship - Analog	Black Face	79-895292A01	433
. St Hagorip / titalog	White Face	79-895292A21	437
Power Trim - Admiral - Analog	Black Face	79-895292R21	446
Toron Time Training	White Face	79-895292Q21	454
Water Pressure Gauge - 30 PSI - Flagship	Black Face	79- <b>895288A03</b>	431
	White Face	79-895288A23	436
Water Pressure Gauge - 30 PSI - Admiral	Black Face	79-895288Q03	445
_	White Face	79-895288Q23	453
Water Temperature Gauge (100-240 deg. F) - Flagshi	Black Face	79-895287A01	431
· · · · · · · · · · · · · · · · · · ·	White Face	79-895287A21	435
Water Temperature Gauge (100-240 deg. F) - Admiral	Black Face	79-895287Q01	444
	White Face	79-895287Q21	452

Description		Part Number	Page
Dual Engine Synchronizer - Flagship	Black Face	79-895294A01	432
	White Face	79-895294A21	437
Dual Engine Synchronizer - Admiral	Black Face	79-895294Q01	446
	White Face	79-895294Q21	454
Oil Level (for tanks w/quick connect)	Flagship - Black Face	79-895290A01	432
	Flagship - White Face	79-895290A21	437
	Admiral - Black Face	79-895290Q01	445
Oil Level (for tanks w/o quick connect)	Admiral - White Face	879346A58	
(Verify engine for suitability of product.)	Instrumentation - SmartCraft Gauges		
SC1000 System Monitor - Front Mount	Rectangular	79-879896K21	403
SC1000 System Monitor - Rear Mount	Rectangular	79- <b>879896K19</b>	403
SC1000 System Monitor - Front Mount	Round - Black	79- <b>892219K19</b>	402
	Round - White	79- <b>892219K20</b>	402
MercMonitor - NMEA 2000	Gateway Level 1 ECO Screen	79-8M0100793	
	Gateway Level 2 SmartTow RPM, ECO Screen	79-8M0100794	
	Gateway Level 3 SmartTow Pro, ECO Screen	79-8M0100797	
	Gateway Level 3 SmartTow Pro w/GPS puck, ECO Scrren	79-8M0100795	
	ECO Screen only	79-8M0119406	402
SC1000 Black - Glass Lens	Bezels must be ordered separately.		
	Glass Lens 7,000 Tach	79-8M0101099	
	Glass Lens, Single Engine Kit	79-8M0101096	
	Glass Lens, Dual Engine Kit	79-8M0101095	
SC1000 White - Glass Lens	Bezels must be ordered separately.		
	Glass Lens 7,000 Tach	79-8M0101097	
	Glass Lens, Single Engine Kit	79-8M0101088	
	Glass Lens, Dual Engine kit	79-8M0101089	
SC1000 Gray - Glass Lens	Bezels must be ordered separately.		
	Glass Lens 7,000 Tach	79-8M0101102	
	Glass Lens, Single Engine Kit	79-8M0101104	
	Glass Lens, Dual Engine kit	79-8M0101105	
Maran Gray Makila		04.0N0445000	077
VesselView Mobile		84-8M0115080	377
VesselView403		8M0124498	374
VesselView502 Single Engine		8M0110643	374
VesselView502 Multi Engine		8M0110646	374
VesselView703 Single Engine		8M0124495	374
VesselView703 Multi Engine		8M0124496	374
VesselView903 Single Engine		8M0129543	373
VesselView903 Multi Engine		8M0129545	373
	Florida		
	Electrical		
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.4.0005071/00	500
Ignition/Choke Assembly - 2 ft. (609 mm) harness		84-896537K02	586

Description		Part Number	Page
Ignition/Choke Assembly - 8 ft. (2.44 m) harness		84-896537K08	586
Ignition/Choke Assembly - 11 ft. (3.35 m) harness		84- <b>896537K11</b>	586
Ignition/Choke Assembly - 15 ft. (4.6 m) harness		84-896537K15	586
Ignition/Choke Assembly - 20 ft. (6.1 m) harness		84-896537K20	587
Ignition/Choke Assembly - 25 ft. (7.62 m) harness	Single harness	84-896537K24	587
Ignition/Choke Assembly - 25 ft. (7.62 m) harnesses	Two harnesses	84-896537K25	587
Ignition/Choke Assembly - 30 ft. (9.14 m) harness	Single harness	84-896537K29	587
Ignition/Choke Assembly - 30 ft. (9.14 m) harnesses	Two harnesses	84-896537K30	587
Lanyard Stop Switch, single engine	Flush mounted	87- <b>19674A07</b>	596
	Chrome bezel mounted	87- <b>19674A08</b>	596
Lanyard Stop Switch, dual engine	Flush mounted	87- 19674A12	596
	Chrome bezel mounted	87- 19674A13	596
Lanyard Stop Switch, triple or quad	Flush mounted	87- 19674A14	
	Chrome bezel mounted	87- 19674A15	598
Diode Assembly - dual engine	(required to use a single lanyard)	84- <b>898289A72</b>	597
	Fuel Line Assemblies, Tanks & Hardware		
	(new Low Permeation hoses shown below)		
Water Separating Fuel Filter - canister style	Located on 3.0L EFI and all 2.5L	35- <b>18458Q</b> 4	246
Fuel Filter - Element Style	Located on 3.0L DFI and DTS	35-8M0122423	256
Fuel Line 9 ft. (2.74m) - (US-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M0061899	
Fuel Line 12 ft. (3.7m) - Q/S - (US-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M0061887	
Fuel Line 12 ft. (3.7m) - MPP - (US-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M0061896	
Fuel Line 9 ft. (2.74m) - (non-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M8026967	75
Fuel Line 12 ft. (3.7m) - Q/S - (non-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M0054326	75
Fuel Line 12 ft. (3.7m) - MPP - (non-EPA)	5/16 ID - Primer Bulb - No Ends	32-8M0054331	
Bulk Fuel Line - (low permeation)	5/16 ID - no bulb or ends - 100 ft.	32- <b>8M0038500</b>	75
	3/8 ID - no bulb or ends - 100 ft.	32-8M0038563	75
Fuel Line Connector	3/8 to 5/16	22-8M0001721	79
Primer Bulb - MPP (US-EPA)	Used with 5/16 or 3/8 ID fuel lines	8M0061876	
Primer Bulb - QS (US-EPA)	Used with 5/16 or 3/8 ID fuel lines	8M0061875	
Primer Bulb - MPP (non-EPA)	Used with 5/16 or 3/8 ID fuel lines	8M0054314	
Primer Bulb - QS (non-EPA)	Used with 5/16 or 3/8 ID fuel lines	8M0054313	75
Fuel Tank (US-EPA) 6.6 gal. Box Style	US-EPA 2011 Compliant	1200-8M0054600	
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200- <b>8M0045691</b>	
Fuel Tank (non-US) 6.6 gal. (25 L) - Plastic Box Style	Quick connect fuel line connection/integral gauge	1200- <b>8M0083451</b>	72
Fuel Tank (non-US) 6.6 gal Plastic Suitcase Style	Quick connect fuel line connection/integral gauge	1200- <b>8M0083452</b>	72
	Mines II and a second a second and a second		
	Miscellaneous Accessories		
Oil Tank Extension Kit	(includes 30 ft. of double oil hose)	41729A 3	92
S. ISSE ENGINEERING	(modulo oo n. or doddio oii mooo)	TITEUITO	32
Oil Tank Hold Down Kit	For optional 1.8 gallon tank	824954A 1	91
	For 3 gallon tank - floor or wall mount	12335A 1	91
	For 3 gallon tank - floor mount only	884481A 1	91
			<u>.</u>

Description		Part Number	Page
Deck Oil Fill	Straight filler neck	15969A09	92
	80 degree filler neck	15969A10	92
Rigging Hose Kit		32- <b>825191A03</b>	56, 499
rugging riose rut		32-023191A03	30, 433
High Altitude Gear Kit	Converts 1.87:1 to 2:1 gear ratio	43- <b>44102A</b> 2	68
Trim Limit Switch Kit - mercury switch style	Model Year 2003 & newer 3.0L Optimax	87- <b>887979A 2</b>	34
Trim Limit Switch Kit - electronic switch style	Analog device	899625K02	611
Trim Limit Switch Kit - electronic switch style	Digital device	899625K04	612
Tring Deduces (#		0500454.4	24
Trim Reducer Kit		858915A 1	34
Trailering Clip		833006A 1	35
Big Tiller	Mechanical Power Steering Version	8M0134607	48, 626
Big Tiller throttle/shift cable kit	Required	8M0082353	49, 627
Big Tiller Auxiliary Light	Optional	897978T02	50, 628
RPM Adjuster	Optional	87- <b>8M0083437</b>	49, 614
Flushing Attachment - allows running engine - Q/S	(not for use with Jet)	44357Q 2	209
Flushing Attachment - allows running engine - MPP	(not for use with Jet)	44357T 2	
Dual Water Pickup Flush Seal Kit - Q/S		881150Q 1	209
Dual Water Pickup Flush Seal Kit - MPP		881150K 1	
	Steering		
Ride Guide Attaching Kit - Mechanical	Single Engine - Two Cable	92876A 8	673
	Dual Engine - Two Cable	92876A 9	673
Linday illa Charden half an	Observational A. C. Halos with south access	0140050420	040
Hydraulic Steering - bolt on	Standard 1.5 Helm without hoses	8M0056139 8M0056140	646 646
	Tilit Helm w/remote fill (no hoses) Port Cylinder	8M0056145	646
	Starboard Cylinder	8M0050097	646
	Stationard Symbol	0.110000007	010
Hydraulic Hoses	Cylinder to Helm	32-8M0053474 thru 8M0053491	647
Dual Engine Tie Bars	Dual engine with single cylinder	64-8M0063473 thru 8M0063477	643
	Dual engine with two cylinders	64-892789Q22 thru 892789Q27	643
Kicker Tie Bar	Port engine mount	898370A03	644
	Starboard engine mount	898966A02	644

### QUICK REFERENCE FOURSTROKE CHARTS

#### 4-5-6 Hp FourStroke 0R411838 & above

Description		Part Number			Page
	Controls				
Remote Control Conversion Kit	Converts Tiller model to RC model	8M0062241			497
Throttle/Shift Cables (two required)		8M0085937	thru	8M0085963	506
	Instrumentation				
Service Monitor	Apply 3 wraps for proper operation	79-8M0050399			468
	5 11: A 12: T 1 AU 1				
	Fuel Line Assemblies, Tanks & Hardware				
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, without gauge	1200-8M0045692			
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, with fuel gauge	1200- <b>8M0047598</b>			
Primer Bulb Assembly (US-EPA)	MPP Branded	8M0061876			
	QS Branded	8M0061875			
	Miscellaneous Accessories				
Flushing Attachment - static flush	Serial number 0R411838 and above	8M0057047			69
Flushing Attachment - allows running engine - Q/S		12612Q 2			70
	Steering				
Clevis Kit		70599A 5			
0.01.01.01		. 5000/10			

#### 8-9.9 Hp FourStroke 0R192772 & above

Description		Part Number	Page
	Controls		
Panel Mount Controls - General Information	May only be used above s/n 0R052327		
Panel Mount (non-trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011212	479
	Lock Bar	883710A01	480
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213	479
	Finger Release - Chrome Handle	8M0030550	479
	Lock Bar	883710A02	480
Console Mount - General Information	May only be used above s/n 0R052327		
Console Mount (single eng. w/o-trim) - MCC 4500	Gen II	8M0060782	481
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686	481
Throttle/Shift Cables (two required) - GEN I		897977A03 thru	897977A04
Throttle/Shift Cables (two required) - GEN II		8M0082526 thru	8M0082553 504

Description		Part Number	Page
	Instrumentation		
8/9.9 Hp. Max WOT Range = 5,000-6,000 RPM's			
Tachometer - 6000 RPM - Flagship	White Face	79- <b>895283A43</b>	438
Tachometer - 6000 RPM - Admiral	Black Face	79- <b>895283Q03</b>	442
	White Face	79- <b>895283Q23</b>	450
Digital Depth Gauge Kit	White Face/White Bezel	79- <b>879292A02</b>	435
	Black Face/Black Bezel	79- <b>879292A01</b>	430
Service Monitor	Apply 3 wraps for proper operation	79-8M0050399	468
	landida (Obrania)		
	Ignition/Charging		
	Electrical		
	Electrical		
14 pin x 2 ft. (.61 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T02	570
14 pin x 8 ft. (2.44 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T08	570
14 pin x 11 ft. (3.35 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537T11</b>	570
14 pin x 15 ft. (4.6 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537T15</b>	570
14 pin x 20 ft. (6.1 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T20	570
14 pin x 25 ft. (4.6 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537T24</b>	571
14 pin x 30 ft. (4.6 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537T29</b>	571
Keyswitch	Required for above harnesses	87- <b>88107A13</b>	582
Ignition/Choke Assembly - Transom Mounted	14 pin, requires adapter harness & choke harness	15000A14	40, 588
	h hade consider a constant of the		,,,,,
Ignition/Choke Assembly - 2 ft. (.61 m) harness	8 pin, requires adapter harness	84-816626A 2	228, 585
Ignition/Choke Assembly - 8 ft. (2.44 m) harness	8 pin, requires adapter harness	84-816626A 8	585
Ignition/Choke Assembly - 11 ft. (3.35 m) harness	8 pin, requires adapter harness	84-816626A11	585
Ignition/Choke Assembly - 15 ft. (4.6 m) harness	8 pin, requires adapter harness	84-816626A15	228, 585
Ignition/Choke Assembly - 20 ft. (6.1 m) harness	8 pin, requires adapter harness	84-816626A20	228, 585
Ignition/Choke Assembly - 25 ft. (4.6 m) harness	8 pin, requires adapter harness	84-816626A24	228, 586
Ignition/Choke Assembly - 30 ft. (4.6 m) harness	8 pin, requires adapter harness	84-816626A29	586
Ignition/Choke Assembly - Transom Mounted	8 pin, requires adapter harness	15000A 7	39, 588
Adapter Harness	Adapts 14 pin control harness to engine Amp connector	84-896541T01	579
Adapter Harness	Adapts 8 pin control harness to engine Amp connector	84- <b>892473A01</b>	484
Choke Harness with gauge connections	Use if gauges are to be hooked up	84- <b>892990T01</b>	571
Choke Harness without gauge connections	Use for choke only, no gauges	84-896537T99	571
	5 U. A. U. T. A. U. I		
	Fuel Line Assemblies, Tanks & Hardware		
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, without gauge	1200- <b>8M0045692</b>	
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, with fuel gauge	1200-8M0047598	
. 33. 13 (00 E17) 0.E gai. (12 E) -1 10300	55 E. M. 2011 Somphant, mail tuoi gaago	1200 01110071 000	
Fuel Tank (US-EPA) 6.6 gal. (25 L) Box Style	US-EPA 2011 Compliant	1200- <b>8M0054600</b>	
, , , , , , , , , , , , , , , , , , , ,	r · · ·		
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200- <b>8M0045691</b>	
Primer Bulb Assembly (US-EPA)	MPP Branded	8M0061876	

Description		Part Number	Page
	Miscellaneous Accessories		
Pro-Kicker Strap Kit	Fits ELPT & EXLPT, Pro-Kicker models	896297A01	98
Flushing Attachment - static flush - Q/S		16841Q02	69
Flushing Attachment - allows running engine - Q/S	Used with BigFoot gearcase	12612Q 2	70
Flushing Attachment - allows running engine - Q/S	Used with Standard & BigFoot gearcase	44357Q 2	209
Mounting Hardware Kit	2 screws, washers & nuts	56- <b>92729A49</b>	67

### 15 Hp (351cc) FourStroke 0R235949 & above

Description		Part Number	Page
	Controls		
Panel Mount (non-trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011212	479
	Lock Bar	883710A01	480
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213	479
	Finger Release - Chrome Handle	8M0030550	479
	Lock Bar	883710A02	480
Console Mount (single eng. w/o-trim) - MCC 4500	Gen II	8M0060782	481
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686	481
Throttle/Shift Cables (two per engine) - (Gen I)	Premium Series	897977A03 thru 897977A04	
Throttle/Shift Cables (two per engine) - (Gen II)	Premium Series	8M0082526 thru 8M0082553	504
	Instrumentation		
15 Hp. maximum WOT range = 5,000-6,000 RPM's			
Tachometer - 6000 RPM - Flagship	White Face	79-895283A43	438
Tachometer - 6000 RPM - Admiral	Black Face	79-895283Q03	442
	White Face	79-895283Q23	450
Tachometer Harness	Use with 8 or 10 pin Side Mount controls or harness	84- 86396A 8	607
Tachometer Harness - Analog - 5 ft.	Use with 14 pin Side Mount controls or harness	84-892990T01	571
Tachometer Harness - Analog - 10 ft.	Use with 14 pin Side Mount controls or harness	84-892990T10	571
Tachometer Harness - Analog - 15 ft.	Use with 14 pin Side Mount controls or harness	84-892990T15	571
Speedometer - 10/45 MPH - Flagship	White Face	79-895285A41	439
Speedometer - 10/45 MPH - Admiral	Black Face	79-895285Q01	443
	White	79-895285Q21	451
Battery Meter - Flagship	White Face	79- <b>895286A41</b>	439
Battery Meter - Admiral	Black Face	79-895286Q01	444
	White Face	79- <b>895286Q21</b>	452
Fuel Gauge - Flagship	White Face	79- <b>895291A41</b>	441
Fuel Gauge - Admiral	Black Face	79-895291Q01	445

Description		Part Number	Page
·	White Face	79-895291Q21	453
Cruiselog (hour meter) - Flagship	White Face	79-895295A41	442
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01	446
oracong (roa motor) y ramma	White Face	79-895295Q21	454
	Time Lass	70 000200421	101
Digital Depth Gauge Kit	Black Face/Black Bezel	79-8 <b>79292A</b> 01	430
	White Face/White Bezel	79-879292A02	435
Low Oil Warning Light Kit	Dash Mounted - ERC Models only	8M0031424	
Service Monitor	Apply 3 wraps for proper operation	79-8M0050399	468
	Electrical		
14 pin x 2 ft. (.61 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T02	570
14 pin x 8 ft. (2.44 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T08	570
14 pin x 11 ft. (3.35 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537T11</b>	570
14 pin x 15 ft. (4.6 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537T15</b>	570
14 pin x 20 ft. (6.1 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537T20</b>	570
14 pin x 25 ft. (7.62 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537T24</b>	571
14 pin x 30 ft. (9.14 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T29	571
Keyswitch	Required for harnesses above	87- 88107A13	582
Ignition/Choke Assembly - Transom Mounted	14 pin, requires adapter harness & choke harness	15000A14	40, 588
Ignition/Choke Assembly - 2 ft. (.61 m) harness	8 pin, requires adapter harness	84- <b>816626A 2</b>	228, 585
Ignition/Choke Assembly - 8 ft. (2.44 m) harness	8 pin, requires adapter harness	84-816626A 8	585
Ignition/Choke Assembly - 11 ft. (3.35 m) harness	8 pin, requires adapter harness	84-816626A11	585
Ignition/Choke Assembly - 15 ft. (4.6 m) harness	8 pin, requires adapter harness	84-816626A15	228, 585
Ignition/Choke Assembly - 20 ft. (6.1 m) harness	8 pin, requires adapter harness	84-816626A20	228, 585
Ignition/Choke Assembly - 25 ft. (7.62 m) harness	8 pin, requires adapter harness	84-816626A24	228, 586
Ignition/Choke Assembly - 30 ft. (9.14 m) harness	8 pin, requires adapter harness	84- <b>816626A29</b>	586
Ignition/Choke Assembly - Transom Mounted	8 pin, requires adapter harness	15000A 7	39, 588
Adapter Harness	Adapts 8 pin control harness to engine Amp connector	84- <b>892473A</b> 01	484
Adapter Harness	Adapts 14 pin control harness to engine Amp connector	84-896541T01	579
Choke Harness with gauge connections	Use if gauges are to be hooked up	84-892990T01	571
Choke Harness without gauge connections	Use for choke only, no gauges	84-896537T99	571
	Fuel Line Assemblies, Tanks & Hardware		
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, without gauge	1200- <b>8M0045692</b>	
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, with fuel gauge	1200-8M0047598	
Fuel Tank (US-EPA) 6.6 gal. (25 L) Box Style	US-EPA 2011 Compliant	1200- <b>8M0054600</b>	
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200- <b>8M0045691</b>	
Primer Bulb Assembly (US-EPA)	MPP Branded	8M0061876	
	QS Branded	8M0061875	

Description	Part Number	Page
Miscellaneous Accessories		
Oil Filter - QS	35- <b>822626Q03</b>	276
Oil Filter Wrench - QS	91- <b>802653Q02</b>	306
Flushing Attachment - allows running engine - Q/S	44357Q 2	209

### 20 Hp (351cc) FourStroke 0R235168 & above

Description		Part Number			Page
	Controls				
Panel Mount (non-trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011212			479
	Lock Bar	883710A01			480
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213			479
	Finger Release - Chrome Handle	8M0030550			479
	Lock Bar	883710A02			480
Console Mount (single eng. w/o-trim) - MCC 4500	Gen II	8M0060782			481
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686			481
Throttle/Shift Cables (two per engine) - (Gen I)	Premium Series	897977A03	thru	897977A50	
Throttle/Shift Cables (two per engine) - (Gen II)	Premium Series	8M0082526	thru	8M0082553	504
	Instrumentation				
20 Hp. maximum WOT range = 5,100-6,100 RPM's					
Tachometer - 6000 RPM - Flagship	White Face	79-895283A43			438
Tachometer - 6000 RPM - Admiral	Black Face	79-895283Q03			442
	White Face	79-895283Q25			450
Tachometer Harness	Use with 8 or 10 pin Side Mount controls or harness	84- 86396A 8			607
Tachometer Harness - Analog - 5 ft.	Use with 14 pin Side Mount controls or harness	84- <b>892990T01</b>			571
Tachometer Harness - Analog - 10 ft.	Use with 14 pin Side Mount controls or harness	84-892990T10			571
Tachometer Harness - Analog - 15 ft.	Use with 14 pin Side Mount controls or harness	84-892990T15			571
Speedometer - 10/45 MPH - Flagship	White Face	79-895285A41			439
Speedometer - 10/45 MPH - Admiral	Black Face	79-895285Q01			443
	White	79-895285Q21			451
Battery Meter - Flagship	White Face	79-895286A41			439
Battery Meter - Admiral	Black Face	79-895286Q01			444
	White Face	79-895286Q21			452
5.10		=0.00500			
Fuel Gauge - Flagship	White Face	79-895291A41			441
Fuel Gauge - Admiral	Black Face	79-895291Q01			445
	White Face	79-895291Q21			453
0	MES E	70.0050054.44			440
Cruiselog (hour meter) - Flagship	White Face	79-895295A41			442

Description		Part Number	Page
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01	446
	White Face	79-895295Q21	454
Digital Depth Gauge Kit	Black Face	79- <b>879292A</b> 01	430
	White Face	79-879292A02	435
Low Oil Warning Light Kit	Dash Mounted - ERC Models only	8M0031424	
Service Monitor	Apply 3 wraps for proper operation	79-8M0050399	468
	Electrical		
14 pin x 2 ft. (.61 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T02	570
14 pin x 8 ft. (2.44 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T08	570
14 pin x 11 ft. (3.35 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537</b> T11	570
14 pin x 15 ft. (4.6 m) harness	Requires adapter harness, choke harness & keyswitch	84- <b>896537</b> T15	570
14 pin x 20 ft. (6.1 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T20	570
14 pin x 25 ft. (7.62 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T24	571
14 pin x 30 ft. (9.14 m) harness	Requires adapter harness, choke harness & keyswitch	84-896537T29	571
Keyswitch	Required for harnesses above	87- 88107A13	582
Ignition/Choke Assembly - Transom Mounted	14 pin, requires adapter harness & choke harness	15000A14	40, 588
Ignition/Orloke Assembly - Transom Wounted	14 pm, requires adapter namess & droke namess	13000/114	40, 300
Ignition/Choke Assembly - 2 ft. (.61 m) harness	8 pin, requires adapter harness	84-816626A 2	228, 585
Ignition/Choke Assembly - 8 ft. (2.44 m) harness	8 pin, requires adapter harness	84-816626A 8	585
Ignition/Choke Assembly - 11 ft. (3.35 m) harness	8 pin, requires adapter harness	84-816626A11	585
Ignition/Choke Assembly - 15 ft. (4.6 m) harness	8 pin, requires adapter harness	84-816626A15	228, 585
Ignition/Choke Assembly - 20 ft. (6.1 m) harness	8 pin, requires adapter harness	84-816626A20	228, 585
Ignition/Choke Assembly - 25 ft. (7.62 m) harness	8 pin, requires adapter harness	84-816626A24	228, 586
Ignition/Choke Assembly - 30 ft. (9.14 m) harness	8 pin, requires adapter harness	84-816626A29	586
Ignition/Choke Assembly - Transom Mounted	8 pin, requires adapter harness	15000A 7	39, 588
,	- F1 F		
Adapter Harness	Adapts 8 pin control harness to engine Amp connector	84- <b>892473A</b> 01	484
Adapter Harness	Adapts 14 pin control harness to engine Amp connector	84- <b>896541T01</b>	579
Choke Harness with gauge connections	Use if gauges are to be hooked up	84-892990T01	571
Choke Harness without gauge connections	Use for choke only, no gauges	84-896537T99	571
	Fuel Line Assemblies, Tanks & Hardware		
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, without gauge	1200- <b>8M0045692</b>	
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, with fuel gauge	1200-8M0047598	
(55) 5.2 gai. (12 L) 1 10500	55 E Estimphiant, marriadi gaugo	31110011 000	
Fuel Tank (US-EPA) 6.6 gal. (25 L) Box Style	US-EPA 2011 Compliant	1200- <b>8M0054600</b>	
, , , , , , , , , , , , , , , , , , , ,	·		
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200- <b>8M0045691</b>	
Primer Bulb Assembly (US-EPA)	MPP Branded	8M0061876	
	QS Branded	8M0061875	
	Miscellaneous Accessories		
01.511.00		05 000	
Oil Filter - QS		35- <b>822626Q03</b>	276
Oil Eilter Wrench OS		04 902652002	206
Oil Filter Wrench - QS		91-802653Q02	306

Description	Part Number	Page
Flushing Attachment - allows running engine - Q/S	44357Q 2	209

#### 25-30 Hp EFI FourStroke 0R106999 & above

Description		Part Number	Page
	Controls		
Side Mount - MSC 4000 Series - Electric w/trim	15 ft. (4.6 m) harness, Gen II	8M0083666	
	20 ft. (6.1 m) harness, Gen II	8M0083667	
	Extra 6 ft. Extension (10 pin)	84-8M0058668	484
	<b>"</b>	400004.0	400
Dual Engine Remote Control Kit	(for side mount control stacking)	16909A 2	486
Panel Mount (non-trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011212	479
The state of the s	Lock Bar	883710A01	480
	255.54		
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213	479
	Finger Release - Chrome Handle	8M0030550	479
	Lock Bar	883710A02	480
Console Mount (single eng. w/o-trim) - MCC 4500	Gen II	8M0060782	481
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686	481
Console Mount (dual eng. w/o-trim) - MCC 4500	Gen II	8M0075244	482
Console Mount (dual eng. with trim) - MCC 4500	(Gen II) - single trim switch in handle	8M0075245	482
Throttle/Shift Cables (two per engine) - (Gen I)	(Premium Series)	897977A03 thru 897977A04	
Throttle/Shift Cables (two per engine) - (Gen II)	(Premium Series)	8M0082526 thru 8M0082553	504
	Instrumentation		
25 Hp. Max WOT range = 5,000-6,000 RPM's			
30 Hp. Max WOT range = 5,250-6,250 RPM's			
Tachometer - 6000 RPM - Flagship	White Face	79-895283A43	438
Tachometer - 6000 RPM - Admiral	Black Face	79-895283Q03	442
	White Face	79-895283Q23	450
Tachameter Harness Analog 5ft	Use with 14 nin Side Mount Centrals or harmasses	84-892990T01	571
Tachometer Harness - Analog - 5ft.	Use with 14 pin Side Mount Controls or harnesses.	84-892990T10	571
Tachometer Harness - Analog - 10 ft. Tachometer Harness - Analog - 15 ft.	Use with 14 pin Side Mount Controls or harnesses.  Use with 14 pin Side Mount Controls or harnesses.	84-892990T15	571
Tachometer Flattless - Allalog - 15 it.	Ose with 14 pin Side Modrit Controls of Harnesses.	04-037320113	371
Speedometer - 10/45 MPH - Flagship	White Face	79-895285A41	439
Speedometer - 10/45 MPH - Admiral	Black Face	79-895285Q01	443
	White Face	79-895285Q21	451
Battery Meter - Flagship	White Face	79-895286A41	439
Battery Meter - Admiral	Black Face	79-895286Q01	444
	White Face	79-895286Q21	452
Fuel Gauge - Flagship	White Face	79-895291A41	441
Fuel Gauge - Admiral	Black Face	79-895291Q01	445

Description		Part Number	Page
	White Face	79-895291Q21	453
Cruiselog (hour meter) - Flagship	White Face	79-895295A41	442
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01	446
	White Face	79-895295Q21	454
Power Trim - Flagship	White Face	79- <b>895292A41</b>	441
Power Trim - Admiral	Black Face	79- <b>895292Q01</b>	446
	White Face	79- <b>895292Q21</b>	454
Power Trim Sender Kit		822573A12	464
Water Pressure Gauge - 30 PSI - Admiral	Black Face	79-895288Q03	445
	White Face	79-895288Q23	453
Digital Depth Gauge Kit	Black Face/Black Bezel	79-879292A01	430
	White Face/White Bezel	79-879292A02	435
Low Oil Warning Light Kit	Dash Mounted - ERC Models only	8M0031424	
	·		
	Ignition/Charging		
	Electrical		
Ignition/Choke Assembly - 11 ft. (3.35 m) harness		84-896537K11	586
Ignition/Choke Assembly - 15 ft. (4.6 m) harness		84-896537K15	586
Ignition/Choke Assembly - 20 ft. (6.1 m) harness		84-896537K20	587
Ignition/Choke Assembly - 30 ft. (9.14 m) harness		84-896537K29	587
Ignition/Choke Assembly - Transom Mounted	14 pin connector	15000A14	40, 588
	•		,
MerCathode		88334A 2	182
	Fuel Line Assemblies, Tanks & Hardware		
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, without gauge	1200-8M0045692	
Fuel Tank (US-EPA) 3.2 gal. (12 L) - Plastic	US-EPA 2011 Compliant, with fuel gauge	1200-8M0047598	
Fuel Tank (US-EPA) 6.6 gal. (25 L) Box Style	US-EPA 2011 Compliant	1200- <b>8M0054600</b>	
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200- <b>8M0045691</b>	
	·		
Primer Bulb Assembly (US-EPA)	MPP Branded	8M0061876	
	QS Branded	8M0061875	
	Miscellaneous Accessories		
Oil Filter - QS		35-822626Q03	276
Oil Filter Wrench - QS		91-802653Q02	306
Flushing Attachment - allows running engine - Q/S		44357Q 2	209
Prop Hardware Kit	Nut, thrust hub, washer & cotter pin	13914Q03	914
	<u> </u>		

Description		Part Number	Page
	Steering		
Steering Link Rod with engine bracket	Starboard Entry, thru-tilt tube mechanical	898101A45	671

#### 40 Hp (3 cyl) FourStroke 1C049739 & above

Description	Application	Part Number	Thru P/N	Page
	Controle			
	Controls			
Side Mount - MSC 4000 Series - Electric (non-trim)	15 ft. (4.6 m) harness, Gen II	8M0083860		
Side Mount - MSC 4000 Series - Electric w/trim	15 ft. (4.6 m) harness, Gen II	8M0083666		
	20 ft. (6.1 m) harness, Gen II	8M0083667		
	Extra 6 ft. Extension (10 pin)	84-8M0058668		484
Dual Engine Remote Control Kit	(for side mount control stacking)	16909A 2		486
Dual Englis Notifice Control Nit	(101 state mount control stateking)	1030374.2		400
Panel Mount (non-trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011212		479
	Lock Bar	883710A01		480
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213		479
	Finger Release - Chrome Handle	8M0030550		479
	Lock Bar	883710A02		480
Console Mount (single eng. w/o-trim) - Commander		88688A27		487
Console Mount (single eng. w/o-trim) - MCC 4500	Gen II	8M0060782		481
Console Mount (single eng. with trim) - Commander		88688A25		487
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686		481
Console Mount (dual eng. w/o-trim) - Commander		88688A24		487
Console Mount (dual eng. w/o-trim) - MCC 4500	Gen II	8M0075244		482
Console Mount (dual eng. with trim) - Commander	Twin trim switches in handle	88688A22		487
Console Mount (dual eng. with trim) - MCC 4500	(Gen II) - single trim switch in handle	8M0075245		482
Remote Control Attaching Kit	Converts EH (tiller) to ERC (remote)	880095A08		497
Remote Control Attaching Kit	Converts En (tiller) to ENC (remote)	000093A00		431
Throttle/Shift Cables (two per engine) - (Gen I)	(Premium Series)	897977A03	thru 897977A50	
Throttle/Shift Cables (two per engine) - (Gen II)	(Premium Series)	897978A03	thru 897978A50	
3 , (	( · · · · · · · · · · · · · · · · · · ·			
	Instrumentation			
40 Hp. Max. WOT Range = 5,500-6,000 RPM's				
T   0000 DDM 5  1:	Di LE	70.005000400		400
Tachometer - 6000 RPM - Flagship	Black Face	79-895283A03		429
T	White Face	79-895283A23		434
Tachometer - 6000 RPM - Admiral	Black Face	79-895283Q03		442
	White Face	79-895283Q23		450
Tachometer Harness - Analog - 5 ft.	Use with 14 pin Side Mount Controls or harnesses.	84-892990T01		571
Tachometer Harness - Analog - 5 ft.  Tachometer Harness - Analog - 10 ft.	Use with 14 pin Side Mount Controls or harnesses.	84-892990T10		571
Tachometer Harness - Analog - 10 ft.	Use with 14 pin Side Mount Controls or harnesses.	84-892990T15		571
Turnoso Transcos - Analog - 10 It.	OSC WIRT 17 pin Olde Mount Controls of Harriesses.	07-092990119		371
Speedometer - 45/50 MPH - Flagship	Black Face	79-895285A01		429
	White Face	79-895285A21		434

Description	Application	Part Number	Thru P/N	Page
Speedometer - 45/50 MPH - Admiral	Black Face	79-895285Q01		443
	White Face	79-895285Q21		451
Speedometer - 65 MPH - Flagship	Black Face	79-895285A03		430
	White Face	79-895285A23		434
Speedometer - 65 MPH - Admiral	Black Face	79-895285Q03		443
	White Face	79-895285Q23		451
Battery Meter - Flagship	Black Face	79-895286A01		431
	White Face	79-895286A21		435
Battery Meter - Admiral	Black Face	79-895286Q01		444
	White Face	79-895286Q21		452
Fuel Gauge - Flagship	Black Face	79-895291A01		432
	White Face	79-895291A21		437
Fuel Gauge - Admiral	Black Face	79-895291Q01		445
	White Face	79-895291Q21		453
Cruiselog (hour meter) - Flagship	Black Face	79-895295A01		433
	White Face	79-895295A21		438
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01		446
	White Face	79-895295Q21		454
Power Trim - Flagship	Black Face	79-895292A01		433
	White Face	79-895292A21		437
Power Trim - Admiral	Black Face	79-895292Q01		446
	White Face	79-895292Q21		454
Power Trim Sender Kit		8M0098264		464
Water Pressure Gauge - 30 PSI - Flagship	Black Face	79-895288A03		431
	White Face	79-895288A23		436
Water Pressure Gauge - 30 PSI - Admiral	Black Face	79-895288Q03		445
	White Face	79-895288Q23		453
Service Monitor	Apply 3 wraps for proper operation	79-8M0050399		468
	Electrical			
Ignition/Chalco Accomply 45 ft (4 C \		0.4.0065071445		EOC
Ignition/Choke Assembly - 15 ft. (4.6 m) harness		84-896537K15		586
Ignition/Choke Assembly - 20 ft. (6.1 m) harness		84-896537K20		587
Ignition/Choke Assembly - Transom Mounted		15000A14		40, 588
Power Trim Switch Kit - 10 ft. (3.0 m)		87- 18286A18		29, 613
Power Trim Switch Kit - 25 ft. (7.6 m)		87- 18286A19		613
TOWER THIN OWNER I RE- 20 IL (1.0 III)		01- 10200M13		010
Lanyard Stop Switch, single engine	Flush mounted	87- <b>19674A07</b>		596
Lanyard otop owiton, single engine	Chrome bezel mounted	87- 19674A07		596
Lanyard Stop Switch, dual engines	Flush mounted	87- 19674A08		596
Languid Stop Omiton, addi originos	Chrome bezel mounted	87- 19674A12		596
	Silionio 3020i iliouniou	01- 100/4A10		550
MerCathode		88334A 2		182
inoi danidati		00007/12		102

Description	Application	Part Number Thru P/N	Page
	Fuel Line Assemblies, Tanks & Hardware		
	(new Low Permeation hoses shown below)		
Fuel Filter - EFI Models	In-Line	35- <b>879885</b> Q	248
Fuel Line 100 ft. (30.5m) - (low permeation)	3/8 ID	32-8M0038563	75
	5/16 ID	32-8M0038500	75
Fuel Line Coupler	Barbed ends, couples 3/8 ID line to 5/16 ID Line	22-8M0001721	79
Fuel Tank (US-EPA) 6.6 gal. (25 L) Box Style	US-EPA 2011 Compliant	1200-8M0054600	
Fuel Tank (non-US) 6.6 gal. (25 L) Box Style	Threaded fuel line connection	1200- <b>8M0057256</b>	73
Fuel Tank (non-US) 6.6 gal. (25 L) Box Style	Threaded fuel line connection & integral gauge	1200- <b>8M0047607</b>	72
Fuel Tank (non-US) 6.6 gal. (25 L) Box Style	Quick connect fuel line connection/integral gauge	1200-8M0083451	72
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200- <b>8M0045691</b>	
Fuel Tank (non-US) 6.6 gal. Suitcase Style	Threaded fuel line connection	1200- <b>8M0057254</b>	73
Fuel Tank (non-US) 6.6 gal. Suitcase Style	Threaded fuel line connection & integral gauge	1200- <b>8M0047603</b>	73
Fuel Tank (non-US) 6.6 gal. Suitcase Style	Quick connect fuel line connection/integral gauge	1200- <b>8M0083452</b>	72
Primer Bulb Assembly (US-EPA)	MPP Branded	8M0061876	
	Quicksilver Branded	8M0061875	
Primer Bulb Assembly (non-EPA)	MPP Branded	8M0054314	
	Quicksilver Branded	8M0054313	75
	Miscellaneous Accessories		
Oil Filter - QS		35-8M0065103	276
Oil Filter - MPP		35-8M0065104	
Oil Filter Wrench - QS		91-802653Q02	306
Oil Filter Wrench - MPP		91-802653K02	
Crankcase Oil Pump		802889Q 1	305
-			
Thermostat Kit		825212A 1	87
Tiller Handle Kit	Converts ERC (remote) to EH (tiller)	880093A03	46
Flushing Attachment - allows running engine - Q/S		44357Q 2	209
Flushing Attachment - allows running engine - MPP		44357T 2	
	Steering		
Steering Bracket w/o carrying handle		816667A 2	56, 671
Ride Guide Attaching Kit	Starboard Cable Entry	19608A14	670
	Port Cable Entry	19609A 6	670

#### 40-50-60 Hp FourStroke 1C050252 & above

Description	Application	Part Number Thru P/N	Page
	Controls		
Side Mount - MSC 4000 Series - Electric w/trim	15 ft. (4.6 m) harness, Gen I	8M0083666	
	20 ft. (6.1 m) harness, Gen I	8M0083667	
	Extra 6 ft. extension (10 pin)	84-8M0058668	484
Dual Engine Remote Control Kit	Used with side mount controls	16909A 2	486
Dual Engine Nemote Control Nit	Used with side mount controls	10303A 2	400
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213	479
	Finger Release - Chrome Handle	8M0030550	479
	Lock Bar	883710A02	480
Console Mount (single eng. with trim) - Commander		88688A25	487
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686	481
Console Mount (dual ong with trim). Commander	Twin trim switches in handle	88688A22	197
Console Mount (dual eng. with trim) - Commander  Console Mount (dual eng. with trim) - MCC 4500	(Gen II) - single trim switch in handle	88088AZZ 8M0075245	487 482
Outsole mount (dual eng. with tillin) - IVICC 4500	(Oon ii) - sirigie tiini switch iii nahule	UNIOU JAHJ	402
Remote Control Conversion Kit	40 BigFoot, 50 & 60	880095A08	497
	Converts EH (tiller) to ERC (remote)		
Remote Control Extension Harness - 10 ft. (3.0 m)		84- 17829A10	573
Remote Control Extension Harness - 20 ft. (6.1 m)		84- <b>17829A20</b>	573
Throttle/Shift Cables (two per engine) - (Gen I)	(Premium Series)	897977A03 thru 897977A50	
Throttle/Shift Cables (two per engine) - (Gen II)	(Premium Series)	897978A03 thru 897978A50	
	Instrumentation - Analog Gauges		
	notation riving dauget		
40/50/60 Hp. Max WOT Range = 5,500-6,000 RPM's			
Tachometer - 7000 RPM - Flagship	Black Face	79- <b>895283A05</b>	429
	White Face	79- <b>895283A25</b>	434
Tachometer - 7000 RPM - Admiral	Black Face	79- <b>895283Q05</b>	442
	White Face	79-895283Q25	450
Tachometer - 6000 RPM - Flagship	Black Face	79-895283A03	429
Transfer - 0000 Ft. III - Fragoriip	White Face	79-895283A23	429
Tachometer - 6000 RPM - Admiral	Black Face	79-895283Q03	442
	White Face	79-895283Q23	450
Tachometer Harness - Analog - 5 ft.	Use with 14 pin Side Mount Controls or harnesses.	84-892990T01	571
Tachometer Harness - Analog - 10 ft.	Use with 14 pin Side Mount Controls or harnesses	84-892990T10	571
Tachometer Harness - Analog - 15 ft.	Use with 14 pin Side Mount Controls or harnesses	84- <b>892990T15</b>	571
a de la descripción de la desc	5.45	=0.00=00=104	400
Speedometer - 45/50 MPH - Flagship	Black Face	79-895285A01	429
Speedometer - 45/50 MPH - Admiral	White Face Black Face	79-895285A21 79-895285Q01	434 443
Opecuoniciel - 40/00 INIFIT - Autilial	White Face	79-895285Q21	443 451
			-101
Speedometer - 65 MPH - Flagship	Black Face	79-895285A03	430
, <del>gr</del>			

Description	Application	Part Number	Thru P/N	Page
	White Face	79-895285A23		434
Speedometer - 65 MPH - Admiral	Black Face	79-895285Q03		443
- Specialista so in 11 Franka	White Face	79-895285Q23		451
	wille i ace	79-093203Q23		401
Battery Meter - Flagship	Black Face	79-895286A01		431
,	White Face	79-895286A21		435
Battery Meter - Admiral	Black Face	79-895286Q01		444
Battery Motor Adminds	White Face	79-895286Q21		452
		70 000200421		.02
Fuel Gauge - Flagship	Black Face	79-895291A01		432
	White Face	79-895291A21		437
Fuel Gauge - Admiral	Black Face	79-895291Q01		445
- ad dage ramma	White Face	79-895291Q21		453
	7,1110.7.000	70 000201421		.00
Cruiselog (hour meter) - Flagship	Black Face	79- <b>895295A01</b>		433
	White Face	79-895295A21		438
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01		446
	White Face	79-895295Q21		454
Power Trim - Flagship	Black Face	79-895292A01		433
	White Face	79-895292A21		437
Power Trim - Admiral	Black Face	79-895292Q01		446
	White Face	79-895292Q21		454
Water Pressure Gauge - 30 PSI - Flagship	Black Face	79-895288A03		431
	White Face	79-895288A23		436
Water Pressure Gauge - 30 PSI - Admiral	Black Face	79-895288Q03		445
	White Face	79-895288Q23		453
Service Monitor	Apply 3 wraps for proper operation	79-8M0050399		468
(Verify engine for suitability of product)	Instrumentation - SmartCraft Gauges			
SC1000 System Monitor - Front Mount	Rectangular	79- <b>879896K21</b>		403
SC1000 System Monitor - Rear Mount	Rectangular	79-879896K19		403
SC1000 System Monitor - Front Mount	Round - Black	79-892219K19		402
	Round - White	79- <b>892219K20</b>		402
M. M. V. NIMEA 0000	0.1 145000	70.0140400700		
MercMonitor - NMEA 2000	Gateway Level 1 ECO Screen	79-8M0100793		
	Gateway Level 2 SmartTow RPM, ECO Screen	79-8M0100794		
	Gateway Level 3 SmartTow Pro, ECO Screen	79-8M0100797		
	Gateway Level 3 SmartTow Pro w/GPS puck, ECO Screen	79-8M0100795		400
	ECO Screen only	79-8M0119406		402
SC1000 Black - Glass Lens	Bezels must be ordered separately			
OO 1000 Didon - Oldoo Lollo	Glass Lens 7,000 Tach	79-8M0101099		
		79-8M0101099		
	Glass Lens, Single Engine Kit			
	Glass Lens, Dual Engine Kit	79-8M0101095		
SC1000 White - Glass Lens	Bezels must be ordered separately			
SOCIOSI TITILO GIGOD EDITO	Glass Lens 7,000 Tach	79-8M0101097		
	Glass Lens, Single Engine Kit	79-8M0101088		

Description	Application	Part Number Thru P/N	Page
·	Glass Lens, Dual Engine Kit	79-8M0101089	
	•		
SC1000 - Gray Lens	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79-8M0101102	
	Glass Lens, Single Engine Kit	79-8M0101104	
	Glass Lens, Dual Engine Kit	79-8M0101105	
VesselView Mobile		84- <b>8M0115080</b>	377
VesselView403		8M0124498	374
VesselView502 Single Engine		8M0110643	374
VesselView502 Multi Engine		8M0110646	374
VesselView703 Single Engine		8M0124495	374
VesselView703 Multi Engine		8M0124496	374
VesselView903 Single Engine		8M0129543	373
VesselView903 Multi Engine		8M0129545	373
	Electrical		
Ignition/Choke Assembly - 15 ft. (4.6 m) harness		84-896537K15	586
Ignition/Choke Assembly - 20 ft. (6.1 m) harness		84-896537K20	587
Ignition/Choke Assembly - Transom Mounted		15000A14	40, 588
I gride in order of accountry		10000711-7	40,000
Power Trim Switch Kit - 10 ft. (3.0 m)	With or without tiller handle	87- <b>18286A18</b>	29, 613
Power Trim Switch Kit - 25 ft. (7.6 m)	With or without tiller handle	87- 18286A19	613
Tower min owner rat = 25 it. (7.5 iii)	With of Without the Hariate	07-10200410	010
Lanyard Stop Switch, single engine	Flush mounted	87- <b>19674A</b> 07	596
Lawyard crop critical, cangle origine	Chrome bezel mounted	87- 19674A08	596
Lanyard Stop Switch, dual engines	Flush mounted	87- 19674A12	596
Lanyard Stop Switch, dada originas	Chrome bezel mounted	87- 19674A13	596
	5.115.11.6 3.22.6 7.134.1.134	5. 1557 IV.15	
MerCathode		88334A 2	182
	Fuel Line Assemblies, Tanks & Hardware		
	(Low Permeation hoses shown below)		
Fuel Filter - EFI Models		35- <b>879885</b> Q	248
Fuel Line 100 ft. (30.5m) - (low permeation)	3/8 ID	32- <b>8M0038563</b>	75
	5/16 ID	32-8M0038500	75
Fuel Line Coupler	Barbed ends, couples 3/8 ID line to 5/16 ID line	22-8M0001721	79
Fuel Tank (US-EPA) 6.6 gal. (25 L) Box Style	US-EPA 2011 Compliant	1200- <b>8M0054600</b>	
Fuel Tank (non-US) 6.6 gal. (25 L) Box Style	Threaded fuel line connection	1200- <b>8M0057256</b>	73
Fuel Tank (non-US) 6.6 gal. (25 L) Box Style	Threaded fuel line connection & integral gauge	1200- <b>8M0047607</b>	72
Fuel Tank (non-US) 6.6 gal. (25 L) Box Style	Quick connect fuel line connection/integral gauge	1200- <b>8M0083451</b>	72
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200- <b>8M0045691</b>	
Fuel Tank (non-US) 6.6 gal. Suitcase Style	Threaded fuel line connection	1200- <b>8M0057254</b>	73
Fuel Tank (non-US) 6.6 gal. Suitcase Style	Threaded fuel line connection & integral gauge	1200- <b>8M0047603</b>	73
Fuel Tank (non-US) 6.6 gal. Suitcase Style	Quick connect fuel line connection/integral gauge	1200- <b>8M0083452</b>	72
Primer Bulb Assembly (US-EPA)	MPP Branded	8M0061876	
	QS Branded	8M0061875	

Description	Application	Part Number	Thru P/N	Page
Primer Bulb Assembly (non-EPA)	MPP Branded	8M0054314		
	QS Branded	8M0054313		75
	Miscellaneous Accessories			
Oil Filter - QS		35-8M0065103		276
Oil Filter - MPP		35- <b>8M0065104</b>		
Oil Filter Wrench - QS		91-802653Q02		306
Oil Filter Wrench - MPP		91-802653K02		000
OIL FIRE WICHELL - WILL		31-002030102		
Crankcase Oil Pump		802889Q 1		305
Tiller Handle Kit	40 BigFoot, 50 & 60	880093A03		46
	Converts ERC (remote) to EH (tiller)			
Big Tiller for ELPT Models	Manual mechanical, non-power steering	879291A04		48, 627
Big Tiller for ELHPT Models	Manual mechanical, non-power steering	879291A05		49, 627
Big Tiller throttle/shift cable kit	Required for either version	8M0082354		49
Big Tiller Auxiliary Light	Optional	897978T02		50, 628
Big Tiller RPM Adjuster	Optional	87-8M0083437		49, 614
Tilt Limit Switch Kit	Analog device	899625K08		612
Driveshaft Extension Kit - 5 in 40 BigFoot	Converts 20 in. (508 mm) to 25 in. (635 mm)	12092A20		59
Driveshaft Ext. Kit - 2-1/2 in 50/60 Standard	Converts 20 in. (508 mm) to 22-1/2 in. (572 mm)	879150A88		60
Driveshaft Ext. Kit - 5 in 50/60 BigFoot	Converts 20 in. (508 mm) to 25 in. (635 mm)	12092A20		59
Flucking Attaches at allows are in a spain and		442570.0		000
Flushing Attachment - allows running engine - QS		44357Q 2 44357T 2		209
Flushing Attachment - allows running engine - MPP		4435712		
	Steering			
	oteening			
Steering Cable Attaching Kit - Mechanical	Starboard entry	19608A14		670
	Port entry	19609A 6		670
Steering Bracket without carrying handle	Necessary to convert tiller to remote steering	816667A 2		56, 671

### 75-90-115 Hp FourStroke 1B366823-2B094995

Description		Part Number	Page
	Controls		
Side Mount - MSC 4000 Series - Electric w/trim	15 ft. (4.6 m) harness 20 ft. (6.1 m) harness	8M0083666 8M0083667	
	Extra 6 ft. extension (10 pin)	84-8M0058668	484
Dual Engine Remote Control Kit	Used with side mount controls	16909A 2	486
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213	479
	Finger Release - Black Handle Lock Bar	8M0030550 883710A02	479 480
	LUCA DAI	0037 TUAUZ	
Console Mount (single eng. with trim) - Commander		88688A25	487

Description		Part Number			Page
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686			481
Console Mount (dual eng. with trim) - Commander	Twin trim switches in handle	88688A22			487
Console Mount (dual eng. with trim) - MCC 4500	(Gen II) - single trim switch in handle	8M0075245			482
Throttle/Shift Cables (two per engine) - (Gen I)	Premium	897977A03	thru 8	897977A50	
Throttle/Shift Cables (two per engine) - (Gen II)	Premium	897978A03		897978A50	
( Constitution of the cons					
	Analog Instrumentation				
75/80/90/100 hp. WOT = 5000-6000 RPMs					
115 hp. WOT = 5800-6400 RPM's					
Tachometer - 8000 RPM - Flagship	Black Face (setting 6P)	79-895283A06			429
,	White Face (setting 6P)	79-895283A26			434
Tachometer - 8000 RPM - Admiral	Black Face (setting 6P)	79-895283Q06			443
	White Face setting (6P)	79-895283Q26			451
	· ,				
Tachometer - 7000 RPM - Flagship	Black Face (setting 6P)	79-895283A05			429
	White Face (setting 6P)	79- <b>895283A25</b>			434
Tachometer - 7000 RPM - Admiral	Black Face (setting 6P)	79-895283Q05			442
	White Face (setting 6P)	79-895283Q25			450
		,			
Tachometer Harness - Analog - 5 ft.	Use with 14 pin Side Mount controls or harnesses.	84-892990T01			571
- Analog - 10 ft.	Use with 14 pin Side Mount controls or harnesses.	84-892990T10			571
- Analog - 15 ft.	Use with 14 pin Side Mount controls or harnesses.	84-892990T15			571
Speedometer - 65 MPH - Flagship	Black Face	79-895285A03			430
	White Face	79-895285A23			434
Speedometer - 65 MPH - Admiral	Black Face	79-895285Q03			443
	White Face	79-895285Q23			451
Battery Meter - Flagship	Black Face	79-895286A01			431
	White Face	79-895286A21			435
Battery Meter - Admiral	Black Face	79-895286Q01			444
	White Face	79-895286Q21			452
	Time I do	70 000200Q21			102
Fuel Gauge - Flagship	Black Face	79-895291A01			432
au saagu haganp	White Face	79-895291A21			437
Fuel Gauge - Admiral	Black Face	79-895291Q01			445
- Son States - Manimum	White Face	79-895291Q21			453
		. 5 55525 1921			
Cruiselog (hour meter) - Flagship	Black Face	79-895295A01			433
	White Face	79-895295A21			438
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01			446
	White Face	79-895295Q21			454
	<del></del>				
Power Trim - Flagship	Black Face	79-895292A01			433
	White Face	79-895292A21			437
Power Trim - Admiral	Black Face	79-895292Q01			446
	White Face	79-895292Q01 79-895292Q21			454
		. 0 000202021			-107
Power Trim Sender Kit	(equipped on engine from factory)	8M0098264			464
1 OHOL HILL OCHUCI IXI	(equipped on engine from factory)	01410030204			404

Description		Part Number	Page
Water Pressure Gauge - 40 PSI - Flagship	Black Face	79- <b>895288A05</b>	432
	White Face	79-895288A25	436
Water Pressure Gauge - 40 PSI - Admiral	Black Face	79-895288Q05	445
	White Face	79-895288Q25	453
Water Pressure Fitting	(included in 40 PSI water pressure kits)	22-896094A01	461
(Verify engine for suitability of product)	SmartCraft Instrumentation		
SmartCraft Conversion Kit	Includes block water temp & pressure sensors	889250K01	416
	Includes trim position & pitot sensors		
	Gauges must be ordered separately		
SC1000 System Monitor - Front Mount	Rectangular	79-879896K21	403
SC1000 System Monitor - Rear Mount	Rectangular	79- <b>879896K19</b>	403
004000 0 4 14 7 5 444	0. 1.01.1	70 0000101110	,
SC1000 System Monitor - Front Mount	Round - Black	79-892219K19	402
	Round - White	79-892219K20	402
MercMonitor - NMEA 2000	Gateway Level 1 ECO Screen	79-8M0100793	
IMERCINOTINO - NIMEA 2000	•	79-8M0100794	
	Gateway Level 2 SmartTow RPM, ECO Screen	79-8M0100797	
	Gateway Level 3 SmartTow Pro, ECO Screen  Gateway Level 3 SmartTow Pro w/GPS puck, ECO Screen	79-8M0100797	
	ECO Screen only	79-8M0119406	
	ECO Screen only	79-0M0119400	
SC1000 Black - Glass Lens	Bezels must be ordered separately		
	Glass Lens, 7,000 Tach	79-8M0101099	
	Glass Lens, Single Engine Kit	79-8M0101096	
	Glass Lens, Dual Engine Kit	79-8M0101095	
SC1000 White - Glass Lens	Bezels must be ordered separately		
	Glass Lens, 7,000 Tach	79-8M0101097	
	Glass Lens, Single Engine Kit	79-8M0101088	
	Glass Lens, Dual Engine Kit	79-8M0101089	
SC1000 Gray - Glass Lens	Bezels must be ordered separately		
	Glass Lens, 7,000 Tach	79-8M0101102	
	Glass Lens, Single Engine Kit	79-8M0101104	
	Glass Lens, Dual Engine Kit	79-8M0101105	
VesselView Mobile		84- <b>8M0115080</b>	377
VesselView403		8M0124498	374
VesselView502 Single Engine		8M0110643	374
VesselView502 Multi Engine		8M0110646	374
VesselView703 Single Engine		8M0124495	374
VesselView703 Multi Engine		8M0124496	374
VesselView903 Single Engine		8M0129543	373
VesselView903 Multi Engine		8M0129545	373
	Electrical		
Ignition/Choke Assembly - 2 ft. (.61 m) harness	with keyswitch	84-896537K02	586
Ignition/Choke Assembly - 8 ft. (2.4 m) harness	with keyswitch	84-896537K08	586
- 3	mu no your con	5-1 5555071N00	300

Description		Part Number	Page
Ignition/Choke Assembly - 11 ft. (3.3 m) harness	with keyswitch	84-896537K11	586
Ignition/Choke Assembly - 15 ft. (4.6 m) harness	with keyswitch	84-896537K15	586
	·	84-896537K20	587
Ignition/Choke Assembly - 20 ft. (6.1 m) harness	with keyswitch		
Ignition/Choke Assembly - 25 ft. (6.1 m) harness	with keyswitch	84-896537K24	587
D T O N I W 100 (00 )		0= 40000 4 <del>=</del>	044
Power Trim Switch Kit - 10 ft. (3.0 m)	Surface or flush mounting	87- <b>18286A47</b>	614
Power Trim Switch Kit - 25 ft. (7.6 m)	Surface or flush mounting	87- 18286A46	609
"Y" Harness for trim switches above	Allows tee-in of bow PT switch with remote controls	84-889295T	614
Lanyard Stop Switch, single engine	Flush mounted	87- <b>19674A07</b>	596
	Chrome bezel mounted	87- 19674A08	596
Lanyard Stop Switch, dual engines	Flush mounted	87- 19674A12	596
	Chrome bezel mounted	87- 19674A13	596
	Fuel Line Assemblies, Tanks & Hardware		
	(new Low Permeation hoses shown below)		
Fuel Filter	In-Line filter	35-879885Q	248
Fuel Line 100 ft. (30.5m) - (low permeation)	5/16 ID	32-8M0038500	75
Fuel Line 100 ft. (30.5m) - (low permeation)	3/8 ID	32-8M0038563	75
(			
Fuel Line Coupler	Barbed ends, couples 3/8 ID line to 5/16 ID line	22-8M0001721	79
Tuoi Eine Goupiei	Barbed citas, couples of the line to of to the line	22-000001721	73
Fuel Tank (US-EPA) 6.6 gal. Box Style	US-EPA 2011 Compliant	1200- <b>8M0054600</b>	
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200-8M0045691	70
Fuel Tank (non-US) 6.6 gal. (25 L) Box Style	Quick connect fuel line connection/integral gauge	1200-8M0083451	72
Fuel Tank (non-US) 6.6 gal. Suitcase Style	Quick connect fuel line connection/integral gauge	1200-8M0083452	72
		00.0045050	
Connector Kit - QS branded	Contains on-engine and mating fuel line connector	22-804787Q	78
Connector Kit - MPP branded	Contains on-engine and mating fuel line connector	22-804787T	
	Miscellaneous Accessories		
Oil Filter - QS	Requires 91-889277Q01 or K01 filter wrench	35- <b>877761Q01</b>	276
Oil Filter - MPP	Requires 91-889277Q01 or K01 filter wrench	35- <b>877761K01</b>	
Oil Filter Wrench - QS	Fits the 35-877761 series filter	91- <b>889277Q01</b>	307
Oil Filter Wrench - MPP	Fits the 35-877761 series filter	91- <b>889277K01</b>	
Crankcase Oil Pump		802889Q 1	305
Oil Pump Extraction Tube	Required with pump above	32- <b>859717A 2</b>	306
Tiller Handle Kit		816366A52	47
Big Tiller	Mechanical Non-Power Steering Version	8M0093581	48, 627
Big Tiller	Mechanical Power Steering Version	8M0134607	48, 626
Big Tiller throttle/shift cable kit	Required for either version	8M0082351	49
	,		-
Replacement Skeg		15985A02	94, 928
Tropiacomonit Oncy		TOOOTIVE	57, 320
Driveshoff Extension Vit. 5 insh	Converte 20 inch (FOR man) to 25 inch (CS5)	12002440	E0
Driveshaft Extension Kit - 5 inch	Converts 20 inch (508 mm) to 25 inch (635 mm)	12092A19	58
		0000071/00	04:
Tilt Limit Switch Kit	Analog device	899625K02	611

Description		Part Number		Page
	Digital device	899625K04		612
Flushing Attachment - allows running engine - QS		44357Q 2		209
Flushing Attachment - allows running engine - MPP		44357T 2		
Coastal Flush Kit		858566A03		71
Rigging Tube Kit	Includes 5 ft. of 2 inch tube, clamp & transom fit	32-825191A03		56, 499
	Steering - Mechanical			
		00070440		.=.
Link Rod Attaching Kit	Used with starboard entry attaching cables	92876A12		670
Ride Guide Attaching Kit	Single Engine - Two Cable	92876A 8		673
Inde Suide Attaching Nit	Dual Engine - Two Cable	92876A 9		673
	Buai Engine - Iwo Gubio	32010/13		010
	Steering - Hydraulic			
Hydraulic Helms	Standard 1.4L Helm w/fluid & mtg. hdwe.	8M0050098		645
	Tilt Helm w/fluid & mtg. hdwe.	8M0050099		645
Remote Fill Kit	Use with Tilt Helm Kit	64- <b>889934A05</b>		648
Hydraulic Hoses	Cylinder to Helm	32-8M0053474 thr	ru 8M0053491	647
Hydraulic Cylinder - Standard Rotation		8M0054993		

#### 75-90-115 Hp FourStroke (Standard Models, non-SeaPro and non-ProXS) 2B094996 and Up

Description		Part Number	Page
			. 490
	Controls		
	Controls		
Side Mount - MSC 4000 Series - Electric w/trim	15 ft. (4.6 m) harness	8M0083666	
Olde Would - Woo Golles - Electric Within	20 ft. (6.1 m) harness	8M0083667	
	Extra 6 ft. extension (10 pin)	84-8M0058668	484
	Extra o it. extension (10 pin)	04-0W0030000	404
Dual Fasina Dameta Control Vit	Used with side mount controls	16909A 2	486
Dual Engine Remote Control Kit	Used with side mount controls	109U9A Z	400
D IN ((''' ) MD0 4000 0 : (0 II)	5° D. D. L. H. H.	0110044040	470
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213	479
	Finger Release - Black Handle	8M0030550	479
	Lock Bar	883710A02	480
Console Mount (single eng. with trim) - Commander		88688A25	487
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686	481
Console Mount (dual eng. with trim) - Commander	Twin trim switches in handle	88688A22	487
Console Mount (dual eng. with trim) - MCC 4500	(Gen II) - single trim switch in handle	8M0075245	482
Throttle/Shift Cables (two per engine) - (Gen I)	Premium	897977A03 thru 897977A50	
Throttle/Shift Cables (two per engine) - (Gen II)	Premium	897978A03 thru 897978A50	
	Analog Instrumentation		
	•		
75/80 WOT = 4500-5500 RPMs			
90/100/115 hp. WOT = 5000-6000 RPM's			

Description		Part Number	Page
Tachometer - 8000 RPM - Flagship	Black Face (setting 6P)	79-895283A06	429
	White Face (setting 6P)	79-895283A26	434
Tachometer - 8000 RPM - Admiral	Black Face (setting 6P)	79- <b>895283Q06</b>	443
	White Face setting (6P)	79-895283Q26	451
	2. ,		
Tachometer - 7000 RPM - Flagship	Black Face (setting 6P)	79-895283A05	429
- '	White Face (setting 6P)	79-895283A25	434
Tachometer - 7000 RPM - Admiral	Black Face (setting 6P)	79-895283Q05	442
	White Face (setting 6P)	79-895283Q25	450
Tachometer Harness - Analog - 5 ft.	Use with 14 pin Side Mount controls or harnesses.	84-892990T01	571
- Analog - 10 ft.	Use with 14 pin Side Mount controls or harnesses.	84-892990T10	571
- Analog - 15 ft.	Use with 14 pin Side Mount controls or harnesses.	84-892990T15	571
- Taladag 10 ta	ose man i i pin sae meen somes en namesee.	0.002000.0	· · ·
Speedometer - 65 MPH - Flagship	Black Face	79-895285A03	430
, ·	White Face	79-895285A23	434
Speedometer - 65 MPH - Admiral	Black Face	79-895285Q03	443
Specialistics of the FF Adminds	White Face	79-895285Q23	451
	Time i acc	70-030200023	401
Battery Meter - Flagship	Black Face	79-895286A01	431
Editory Motor Tragorip	White Face	79-895286A21	435
Battery Meter - Admiral	Black Face	79-895286Q01	444
Ballery Meter - Admiral			
	White Face	79-895286Q21	452
Fuel Gauge - Flagship	Black Face	79-895291A01	432
Tuel Gauge - Hagship	White Face	79-895291A21	437
First Course Admired			
Fuel Gauge - Admiral	Black Face	79-895291Q01	445
	White Face	79-895291Q21	453
Cruiselog (hour meter) - Flagship	Black Face	79-895295A01	433
Ordisolog (nodi motor) - Flagship	White Face	79-895295A21	438
On in the What was a start Advantage			
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01	446
	White Face	79-895295Q21	454
Decrea Trine Floreshin	Disab Face	70.005000404	422
Power Trim - Flagship	Black Face	79-895292A01	433
	White Face	79-895292A21	437
Power Trim - Admiral	Black Face	79-895292Q01	446
	White Face	79-895292Q21	454
			101
Power Trim Sender Kit	(equipped on engine from factory)	8M0098264	464
Water Pressure Gauge - 40 PSI - Flagship	Black Face	79-895288A05	432
Traco : resoure Gauge - 40 FOI - Flagsrilp			
Wedge Droopure Course 40 DCI Admind	White Face	79-895288A25	436
Water Pressure Gauge - 40 PSI - Admiral	Black Face	79-895288Q05	445
	White Face	79-895288Q25	453
Water Pressure Fitting	Kit to connect to analog gauge	32-8M0088855	461
(Verify engine for suitability of product)	SmartCraft Instrumentation		
SmartCraft Sensor Kits	Pitot Sensor Kit	8M0090447	427
Omarcorall Odisor Ixio			741
	Water Pressure Digital Kit	8M0089111	
SC1000 System Maniter Front Mayor	Poetangular	70.870806K21	403
SC1000 System Monitor - Front Mount	Rectangular	79-879896K21	403

Description		Part Number	Page
SC1000 System Monitor - Rear Mount	Rectangular	79-879896K19	403
SC1000 System Monitor - Front Mount	Round - Black	79-892219K19	402
	Round - White	79-892219K20	402
MercMonitor - NMEA 2000	Gateway Level 1 ECO Screen	79-8M0100793	
	Gateway Level 2 SmartTow RPM, ECO Screen	79-8M0100794	
	Gateway Level 3 SmartTow Pro, ECO Screen	79-8M0100797	
	Gateway Level 3 SmartTow Pro w/GPS puck, ECO Screen	79-8M0100795	
	ECO Screen only	79-8M0119406	402
SC1000 Black - Glass Lens	Bezels must be ordered separately		
	Glass Lens, 7,000 Tach	79-8M0101099	
	Glass Lens, Single Engine Kit	79-8M0101096	
	Glass Lens, Dual Engine Kit	79-8M0101095	
SC1000 White - Glass Lens	Bezels must be ordered separately		
	Glass Lens, 7,000 Tach	79-8M0101097	
	Glass Lens, Single Engine Kit	79-8M0101088	
	Glass Lens, Dual Engine Kit	79-8M0101089	
SC1000 Gray - Glass Lens	Bezels must be ordered separately		
	Glass Lens, 7,000 Tach	79-8M0101102	
	Glass Lens, Single Engine Kit	79- <b>8M0101104</b>	
	Glass Lens, Dual Engine Kit	79- <b>8</b> M0101105	
VesselView Mobile		84-8M0115080	377
VesselView403		8M0124498	374
VesselView502 Single Engine		8M0110643	374
VesselView502 Multi Engine		8M0110646	374
VesselView703 Single Engine		8M0124495	374
VesselView703 Multi Engine		8M0124496	374
VesselView903 Single Engine		8M0129543	373
VesselView903 Multi Engine		8M0129545	373
	Electrical		
Ignition/Choke Assembly - 2 ft. (.61 m) harness	with keyswitch	84-896537K02	586
Ignition/Choke Assembly - 8 ft. (2.4 m) harness	with keyswitch	84-896537K08	586
Ignition/Choke Assembly - 11 ft. (3.3 m) harness	with keyswitch	84-896537K11	586
Ignition/Choke Assembly - 15 ft. (4.6 m) harness	with keyswitch	84-896537K15	586
Ignition/Choke Assembly - 20 ft. (6.1 m) harness	with keyswitch	84-896537K20	587
Ignition/Choke Assembly - 25 ft. (6.1 m) harness	with keyswitch	84-896537K24	587
Power Trim Switch Kit - 10 ft. (3.0 m)	Surface or flush mounting	87- <b>18286A47</b>	614
Power Trim Switch Kit - 25 ft. (7.6 m)	Surface or flush mounting	87- <b>18286A46</b>	609
"Y" Harness for trim switches above	Allows tee-in of bow PT switch with remote controls	84- <b>889295</b> T	614
Lanyard Stop Switch, single engine	Flush mounted	87- <b>19674A07</b>	596
Lanyard Stop Switch, single engine	Flush mounted Chrome bezel mounted	87- <b>19674A07</b> 87- <b>19674A08</b>	596 596
Lanyard Stop Switch, single engine  Lanyard Stop Switch, dual engines			

Description		Part Number	Page
	Fuel Line Assemblies, Tanks & Hardware		
	(new Low Permeation hoses shown below)		
Low Pressure In-line Fuel Filter	Located under cowl	35-879885K	
Water Separating Fuel Filter Kit	Located in boat, provides warning signal	8M0109543	82
Fuel Line 100 ft. (30.5m) - (low permeation)	5/16 ID	32-8M0038500	75
Fuel Line 100 ft. (30.5m) - (low permeation)	3/8 ID	32-8M0038563	75
Fuel Line Coupler	Barbed ends, couples 3/8 ID line to 5/16 ID line	22-8M0001721	79
5 17 1 440 500 00 10 04	110 FFN 0044 0	4000 01100 1000	
Fuel Tank (US-EPA) 6.6 gal. Box Style	US-EPA 2011 Compliant	1200-8M0054600	
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200-8M0045691	70
Fuel Tank (non-US) 6.6 gal. (25 L) Box Style	Quick connect fuel line connection/integral gauge	1200-8M0083451	72
Fuel Tank (non-US) 6.6 gal. Suitcase Style	Quick connect fuel line connection/integral gauge	1200- <b>8M0083452</b>	72
Primer Bulb Assembly	Not used with this system		
Filliel Bulb Assembly	Not used with this system		
Connector Kit - MPP branded	Contains on-engine and mating fuel line connector	22- <b>804787</b> T	
Same Same Same Same Same Same Same Same	oonaano on ongino and maang labrimo oo mooto		
	Miscellaneous Accessories		
Oil Filter - MPP		35-8M0065104	
Oil Filter Wrench - MPP		91-802653K02	
Crankcase Oil Pump		802889Q 1	305
Oil Pump Extraction Tube	Required with pump above	32-859717A 2	306
Big Tiller	Mechanical Non-Power Steering Version	8M0093581	48, 627
Big Tiller	Mechanical Power Steering Version	8M0134607	48, 626
Big Tiller throttle/shift cable kit	Required for either version	8M0082351	49
Replacement Skeg	Standard gearcase	8M0090442	94
	Command Thrust gearcase	8M0060147	94, 929
Division for First State of St	Occupate 00 inch (F00 com) to 05 inch (C05 com)	8M0105089	50
Driveshaft Extension Kit - Standard gearcase	Converts 20 inch (508 mm) to 25 inch (635 mm)		59
Driveshaft Extension Kit - Command Thrust	Converts 20 inch (508 mm) to 25 inch (635 mm)	8M0105090	59
Steering Trim Tab - Standard Gearcase		8M0091534	245
Stating Standard Godroudb		5555 TOO T	240
Tilt Converter/Limit Switch Kit	Provides digital trim signal AND limits trim range	8M0118725	465
Flushing Attachment - allows running engine - QS		44357Q 2	209
Flushing Attachment - allows running engine - MPP		44357T 2	
Rigging Tube Kit	Includes 5 ft. of 2 inch tube, clamp & transom fit	32- <b>825191A03</b>	56, 499
	Steering - Mechanical		
Link Rod Attaching Kit	Used with starboard entry attaching cables	92876A12	670
Ride Guide Attaching Kit	Single Engine - Two Cable	92876A 8	673
	Dual Engine - Two Cable	92876A 9	673

Description		Part Number			Page
	Steering - Hydraulic				
Hydraulic Helms	Standard 1.4L Helm w/fluid & mtg. hdwe.	8M0050098			645
	Tilt Helm w/fluid & mtg. hdwe.	8M0050099			645
Remote Fill Kit	Use with Tilt Helm Kit	64- <b>889934A05</b>			648
Hydraulic Hoses	Cylinder to Helm	32-8M0053474	thru	8M0053491	647
Hydraulic Cylinder - Standard Rotation		8M0054993			

#### 150 EFI FourStroke (Standard Models, non-SeaPro and non ProXS) 1B905505 & above

Description		Part Number	Page
	Controls		
Side Mount - MSC 4000 Series - Electric w/trim	15 ft. (4.6 m) harness	8M0083666	
	20 ft. (6.1 m) harness	8M0083667	
	Extra 6 ft. extension (10 pin)	84-8M0058668	484
Dual Engine Remote Control Kit	(for side mount control stacking)	16909A 2	486
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Finger Release - Black Handle	8M0011213	479
	Finger Release - Chrome Handle	8M0030550	479
	Lock Bar	883710A02	480
Console Mount (single eng. with trim) - Commander		88688A25	487
Console Mount (single eng. with trim) - MCC 4500	Gen II	8M0059686	481
Console Mount (dual eng. with trim) - Commander	Twin trim switches in handle	88688A22	487
Console Mount (dual eng. with trim) - MCC 4500	(Gen II) - single trim switch in handle	8M0075245	482
Throttle/Shift Cables (two per engine) - (Gen I)	(Premium Series)	897977A03 thru 897977A	
Throttle/Shift Cables (two per engine) - (Gen II)	(Premium Series)	897978A03 thru 897978A	A50
	Instrumentation - Analog Gauges		
150 HP. Max WOT Range = 5,000-5,800 RPM's			
		000 1001/00	400
Analog Gauge Interface	Required for analog water temp or analog oil pressure	892486K08	426
	Trim Sensor Converter not required if AGI is used		
0 · M ·		70.0140050000	400
Service Monitor	Apply 3 wraps for proper operation	79-8M0050399	468
Taskanatan 7000 DDM Flanskin	Disala Fass	70.005000405	400
Tachometer - 7000 RPM - Flagship	Black Face	79-895283A05	429
T   7000 DDM   41   1	White Face	79-895283A25	434
Tachometer - 7000 RPM - Admiral	Black Face	79-895283Q05	442
	White Face	79- <b>895283Q25</b>	450
Tashamatar 6000 DDM Floret	Dicely Face	70.905393.03	400
Tachometer - 6000 RPM - Flagship	Black Face	79-895283A03	429
T	White Face	79-895283A23	434
Tachometer - 6000 RPM - Admiral	Black Face	79-895283Q03	442
	White Face	79- <b>895283Q23</b>	450

Description		Part Number	Page
·			
Tachometer Harness - Analog	5 ft. length x 14 pin	84-892990T01	571
	10 ft. length x 14 pin	84-892990T10	571
	15 ft. length x 14 pin	84-892990T15	571
Speedometer - 80 MPH - Flagship	Black Face	79-895285A04	430
	White Face	79- <b>895285A24</b>	434
Speedometer - 80 MPH - Admiral	Black Face	79- <b>895285Q04</b>	443
	White Face	79-895285Q24	451
Speedometer - 65 MPH - Flagship	Black Face	79- <b>895285A03</b>	430
	White Face	79- <b>895285A23</b>	434
Speedometer - 65 MPH - Admiral	Black Face	79-895285Q03	443
	White Face	79- <b>895285Q23</b>	451
Battery Meter - Flagship	Black Face	79-895286A01	431
	White Face	79- <b>895286A21</b>	435
Battery Meter - Admiral	Black Face	79- <b>895286Q01</b>	444
	White Face	79-895286Q21	452
Fuel Gauge - Flagship	Black Face	79- <b>895291A01</b>	432
	White Face	79- <b>895291A21</b>	437
Fuel Gauge - Admiral	Black Face	79-895291Q01	445
	White Face	79-895291Q21	453
Cruiselog (hour meter) - Flagship	Black Face	79-895295A01	433
	White Face	79-895295A21	438
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01	446
	White Face	79-895295Q21	454
Time Comments	Company distribution singular and a	0140070700	405
Trim Sensor Converter	Converts digital trim signal to analog	8M0059529	465
Power Trim Florobin Apples	Black Face - Converter or AGI required	79-895292A01	433
Power Trim - Flagship - Analog	White Face - Converter or AGI required	79-895292A21	437
Power Trim - Admiral - Analog	Black Face - Converter or AGI required	79-895292Q01	446
Fower Hill - Admiral - Arialog	White Face - Converter or AGI required	79-895292Q21	454
	White Face - Converter of Admequiled	13-030232Q21	404
Water Pressure Fitting Kit	Fitting to connect to engine block	32-8M0063663	
Water Pressure Gauge - 30 PSI - Flagship	Black Face	79-895288A03	431
	White Face	79-895288A23	436
Water Pressure Gauge - 30 PSI - Admiral	Black Face	79-895288Q03	445
	White Face	79-895288Q23	453
Water Temperature Gauge (100-240 deg. F) - Flagshi	Black Face - requires AGI	79-895287A01	431
	White Face - requires AGI	79-895287A21	435
Water Temperature Gauge (100-240 deg. F) - Admiral	Black Face - requires AGI	79-895287Q01	444
	White Face - requires AGI	79-895287Q21	452
Dual Engine Synchronizer - Flagship	Black Face	79-895294A01	432
	White Face	79-895294A21	437
Dual Engine Synchronizer - Admiral	Black Face	79-895294Q01	446
	White Face	79-895294Q21	454

Description		Part Number	Page
	Instrumentation - SmartCraft Gauges		
	0.4 14.5000	=0.0140400=00	
MercMonitor - NMEA 2000	Gateway Level 1 ECO Screen	79-8M0100793	
	Gateway Level 2 SmartTow RPM, ECO Screen	79-8M0100794	
	Gateway Level 3 SmartTow Pro, ECO Scren	79-8M0100797	
	Gateway Level 3 SmartTow Pro w/GPS puck, ECO Screen	79-8M0100795	400
	ECO Screen only	79-8M0119406	402
VesselView Mobile		84-8M0115080	377
VesselView403		8M0124498	374
VesselView502 Single Engine		8M0110643	374
VesselView502 Multi Engine		8M0110646	374
VesselView703 Single Engine		8M0124495	374
VesselView703 Multi Engine		8M0124496	374
VesselView903 Single Engine		8M0129543	373
VesselView903 Multi Engine		8M0129545	373
SC1000 - Black	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79-8M0101099	
	Glass Lens, Single Engine Kit	79-8M0101096	
	Glass Lens, Dual Engine Kit	79-8M0101095	
SC1000 - White	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79-8M0101097	
	Glass Lens, Single Engine Kit	79-8M0101088	
	Glass Lens, Dual Engine Kit	79-8M0101089	
004000 0	Decile worth a reduced executely		
SC1000 - Gray	Bezels must be ordered separately	70.0110404400	
	Glass Lens 7,000 Tach	79-8M0101102	
	Glass Lens, Single Engine Kit	79-8M0101104 79-8M0101105	
	Glass Lens, Dual Engine Kit	79-0M0101103	
SmartCraft Pitot Sensor Kit	Components to use Pitot for Speed	8M0090447	427
SmartCraft Water Pressure Fitting Kit	Components to display water pressure	8M0059531	461
	Electrical		
Ignition/Choke Assembly - 2 ft. (609 mm) harness		84-896537K02	586
Ignition/Choke Assembly - 8 ft. (2.44 m) harness		84-896537K08	586
Ignition/Choke Assembly - 11 ft. (3.35 m) harness		84-896537K11	586
Ignition/Choke Assembly - 15 ft. (4.6 m) harness		84- <b>896537K15</b>	586
Ignition/Choke Assembly - 20 ft. (6.1 m) harness		84-896537K20	587
Ignition/Choke Assembly - 25 ft. (7.62 m) harness	Single harness	84-896537K24	587
Ignition/Choke Assembly - 25 ft. (7.62 m) harnesses	Two harnesses	84-896537K25	587
Ignition/Choke Assembly - 30 ft. (9.14 m) harness	Single harness	84-896537K29	587
Ignition/Choke Assembly - 30 ft. (9.14 m) harnesses	Two harnesses	84-896537K30	587
Lanyard Stop Switch, single engine	Flush mounted	87- 19674A07	596
Stop Stitles, stigle origine	Chrome bezel mounted	87- 19674A08	596
Lanyard Stop Switch, dual engine	Flush mounted	87- 19674A12	596
Languira Otop Ownton, additionging	Chrome bezel mounted	87- 19674A12	596
Lanyard Stop Switch, triple or quad	Flush mounted	87- 19674A13	J30
Euriyara Otop Omitori, tripio or quau	Chrome bezel mounted	87- 19674A14 87- 19674A15	598
	Gillome bezer mounted	01-1301-1713	330

Description		Part Number	Page
Diede Assesbly, deel series	(as wheel to the arrival property	04.000000470	507
Diode Assembly - dual engine	(required to use a single lanyard)	84-898289A72	597
	Fuel Line Assemblies, Tanks & Hardware		
	(Low Permeation hoses shown below)		
Low Pressure Inline Fuel Filter	Located under cowl	35- <b>879885</b> Q	248
High Pressure Inline Fuel Filter	Located under cowl	35-8M0057677	245
Water Separating Fuel Filter Kit	Locate in boat, provides warning signal	8M0109543	82
Bulk Fuel Line - (low permeation)	5/16 ID - no bulb or ends - 100 ft.	32-8M0038500	75
	3/8 ID - no bulb or ends - 100 ft.	32-8M0038563	75
Fuel Line Connector	3/8 to 5/16	22-8M0001721	79
Primer Bulb	Not used with this system	NA	
Fuel Tank (US-EPA) 6.6 gal. Box Style	US-EPA 2011 Compliant	1200- <b>8M0054600</b>	
Fuel Tank (US-EPA) 6.6 gal. Suitcase Style	US-EPA 2011 Compliant	1200-8M0045691	
Fuel Tank (non-US) 6.6 gal. (25 L) - Plastic Box Style	Quick connect fuel line connection/integral gauge	1200-8M0083451	72
Fuel Tank (non-US) 6.6 gal Plastic Suitcase Style	Quick connect fuel line connection/integral gauge	1200-8M0083452	72
	Miscellaneous Accessories		
Oil Filter		35- <b>877761K01</b>	
Oil Filter Wrench		91-889277K01	
Replacement Skeg		8M0060147	94, 929
Driveshaft Extension Kit	Converts an X model to an XL	8M0105087	59
Divestial Extension Kit	Converts an A moder to an AL	ONIO 105007	59
Rigging Hose Kit	Includes new grommet 8M0062583	32-8M0062693	56, 499
Trim Limit Switch Kit - electronic switch style	Analog device	8M0059532	612
Big Tiller	Mechanical Power Steering Version	8M0134604	48, 626
Big Tiller throttle/shift cable kit	Required	8M0082355	49, 628
Big Tiller Auxiliary Light	Optional	897978T02	50, 628
RPM Adjuster	Optional	87-8M0083437	49, 614
The A Determined Control	Faring Installation	01/00/7202	004
Theft Deterrent System	Engine Immobilizer	8M0057383	601
Jet Pump	Rated 110 HP	67-8M0064433	
Flushing Attachment - allows running engine - Q/S	(not for use with Jet)	44357Q 2	209
Flushing Attachment - allows running engine - MPP	(not for use with Jet)	44357T 2	
	Hydraulic Steering		
Hydraulic Steering - Dual Engine	Standard Helm without hoses	8M0056139	646
	Tilit Helm without hoses	8M0056140	646
	Standard Cylinder	8M0050097	646
	Port Cylinder	8M0056145	646

Description		Part Number			Page
Hydraulic Hoses	2 to 30 foot lengths	32-8M0053474	thru	8M0053491	647
	Power Steering				
	rowel Steeling				
Power Steering - Multiple Engines	Standard Helm without hoses	892380K05	thru	892380K12	628
	Tilt Helm without hoses	892560K31	thru	892560K35	
	Standard Cylinder	898349A11			633
	Counter Rotation Cylinder	898349A14			633
Power Steering Hoses (Pump)	2 to 30 ft. lengths	32- <b>892438K02</b>	thru	892438K30	638
Dual Engine Tie Bars	Single Cylinder Tie Bars - 26, 28, 30, 32, 34 inch lengths	64-8M0063473	thru	8M0063477	643

#### 135-150-175-200 (4 Cylinder) Verado 1B311420 & up

Description		Part Number	Page
Безсприон		rait Nullisei	rage
	Rigging Kits for Verado DTS Engines		
	33 3 4 4 4 4 4 5		
Panel Mount - Chrome - Master Rigging Kit	Single Engine	892984K31	522
Panel Mount - Black - Master Rigging Kit	Single Engine	892984K32	522
Slim Binnacle - Chrome	Single Engine	896609K31	
Slim Binnacle - Black	Single Engine	896609K32	
Console Mount - Chrome - Master Rigging Kit	Single Engine	877775K48	
Console Mount - Black - Master Rigging Kit	Single Engine	877775K48	
Console Mount - Chrome - Master Rigging Kit	Dual Engine	8M0079499	522
Console Mount - Black - Master Rigging Kit	Dual Engine	877775K31	
	Controls		
Devel Merret Observe Circle Facine	(included in Marko Wite about)	892984A01	473
Panel Mount - Chrome - Single Engine	(included in Master Kits above)	892984A01 892984A02	473 473
Panel Mount - Black - Single Engine	(included in Master Kits above)	09Z904AUZ	4/3
Slim Binnacle - Chrome	(included in Master Kit above)	896609A01	
Slim Binnacle - Black	(included in Master Kit above)	896609A02	
	(masses in masses to assess)	000000,102	
Console Mount - Chrome - Single Engine	(included in Master Kits above)	NLA	
Console Mount - Black - Single Engine	(included in Master Kits above)	877775A12	
	,		
Console Mount - Chrome - Dual Engine	(included in Master Kits above)	877775A19	
Console Mount - Black - Dual Engine	(included in Master Kits above)	877775A11	
DTS Foot Throttle Control Kit	Hot Foot	893359K03	473
	Instrumentation - Analog Gauges		
135 Hp. Max WOT Range = 5200-6400 RPM's			
150/175/200 Max WOT = 5,800-6.400 RPM's			
Analog Gauge Interface	Converts digital signal for use of analog gauges	892486K08	426

Description		Part Number	Page
	Instrumentation - SmartCraft		
	(Verify engine for suitability of product.)		
SC1000 System Monitor - Front Mount	Rectangular	79-8 <b>79896K21</b>	403
SC1000 System Monitor - Rear Mount	Rectangular	79- <b>879896K19</b>	403
SC1000 System Monitor - Front Mount	Round - Black	79-892219K19	402
SC1000 System Monitor - Front Mount	Round - White	79- <b>892219K20</b>	402
SC1000 Black - Glass Lens	Develorment he ardered apparetally		
SC 1000 Black - Glass Letts	Bezels must be ordered separately Glass Lens 7,000 Tach	79-8M0101099	
	Glass Lens, Single Engine Kit	79-8M0101096	
	Glass Lens, Dual Engine Kit	79-8M0101095	
	Oldo Eolio, Dadi Eligilo Nit	70 dillo to 1000	
SC1000 White - Glass Lens	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79-8M0101097	
	Glass Lens, Single Engine Kit	79-8M0101088	
	Glass Lens, Dual Engine Kit	79-8M0101089	
	· ·		
SC1000 Gray - Glass Lens	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79-8M0101102	
	Glass Lens, Single Engine Kit	79-8M0101104	
	Glass Lens, Dual Engine Kit	79-8M0101105	
MercMonitor	Gateway Level 1 ECO Screen	79-8M0100793	
	Gateway Level 2 SmartTow RPM, ECO Screen	79-8M0100794	
	Gateway Level 3 SmartTow Pro, ECO Screen	79-8M0100797	
	Gateway Level 3 SmartTow Pro w/GPS puck, ECO Screen	79-8M0100795	
	ECO Screen only	79-8M0119406	402
VesselView Mobile		84-8M0115080	377
VesselView403		8M0124498	374
VesselView502 Single Engine		8M0110643	374
VesselView502 Multi Engine		8M0110646	374
VesselView703 Single Engine		8M0124495	374
VesselView703 Multi Engine		8M0124496	374
VesselView903 Single Engine		8M0129543	373
VesselView903 Multi Engine		8M0129545	373
	Electrical		
W 0 11 PT0 0 11		07.0077401/04	500
Key Switch - DTS - 3 position	Single	87-897716K01	583
Key Switch - DTS - 3 position	Dual	87-897716K02	583
3 position switch housing		879305A01	584
Key Switch - DTS - 4 position	(no cover or bezel)	87-893353A02	582
	(includes key cover & bezel)	87-893353A03	582
	Matched Keys - Dual	87-893353A04	582
	Matched Keys - Triple	87-893353A05	583
	· · · · · · · ·		
DTS Command Module Kit	Panel Mount - Single	84-893377K04	523
	Console/Zero Effort - Single	84-892955K04	524
	<del>-</del>		

Description		Part Number			Page
	Console/Zero Effort - Dual	84-893378K04			525
	Slim Binnacle	84-896372K02			524
14 Pin Data Cable	From engine to helm	84- <b>892451T06</b>	thru	84- <b>892451T40</b>	574
Lanyard Stop Switch, single engine	Flush mounted	87- <b>19674A07</b>			596
	Chrome bezel mounted	87- 19674A08			596
Lanyard Stop Switch, dual engines	Flush mounted	87- 19674A12			596
	Chrome bezel mounted	87- 19674A13			596
Lanyard Stop Switch, triple or quad	Flush mounted	87- 19674A14			
	Chrome bezel mounted	87- 19674A15			598
Accessory Power Harness Kit		84-899785K04			581
	Fuel Line Assemblies, Tanks & Hardware				
	(new Low Permeation hose shown below)				
Fuel Filter	Cartridge Element	35-8M0122423			256
Fuel Filter	In-line	35- <b>879885</b> Q			248
Water Separating Fuel Filter Kit	Vessel mounted, provides warning signal	35-8M0113498			83
Fuel Line - (low permeation)	3/8 inch Fuel Line Required	32-8M0038563			75
	Miscellaneous Accessories				
0.15.11		05.0777004			
Oil Filter - QS		35-877767Q01			276
Oil Filter - MPP		35-877767K01			
Digging Hone Wit		32-825191A03			56, 499
Rigging Hose Kit		32-023191A03			50, 455
Trailering Clip		833006A 1			35
Training Sup		000007.1			
Battery Cable Set	1 Pos -1 Neg - 12 ft.	84- <b>88439A50</b>			36, 616
,	•				.,
Big Tiller	DTS Power Steering Version	8M0134609			48, 626
Tilt Limit Switch Kit	Digital device	899625K05			612
Gearcase Replacement Skeg	Fits the 4.80 torpedo gearcase	898245A01			93, 929
Flushing Attachment - allows running engine - Q/S	(not for use with Jet)	44357Q 2			209
Flushing Attachment - allows running engine - MPP	(not for use with Jet)	44357T 2			
Dual Water Pickup Flush Seal Kit - Q/S		881150Q 1			209
Dual Water Pickup Flush Seal Kit - MPP		881150K 1			
	Hydraulic Steering				
Hydraulic Helms	Standard 1.5L Helm w/ fluid & mtg. hdwe.	8M0056139			646
	Tilt Helm w/ fluid & mtg. hdwe.	8M0056140			646
Remote Fill Kit	Use with Tilt Helm Kit	64-889934A05			648
Hydraulic Hoses	Cylinder to Helm	32-8M0053474	thru	8M0053491	647

	Part Number			Page
Used on hydraulic or power steering systems	8M0050097			646
Used on hydraulic or power steering systems	8M0056145			646
Power Steering - Optional				
· ·				
	91- <b>895040K01</b>			637
Standard w/pump, signal harness & helm, 4 ft. (optional lengths available)	892380K05			628
Tilt w/pump, signal harness & helm, 4 ft. (optional lengths available)	892560K35			
Standard w/pump, signal harness & helm, 4 ft. (optional lengths available)	892380K36			
Tilt w/pump, signal harness & helm, 4 ft. (optional lengths available)	892560K56			629
Single (included in kit above)	892380A02			
Single (included in kit above)	8M0030272			
	897478K02			654
(with 4 ft. battery leads)	8M0080199			
(with 12 ft. battery leads)	8M0122662			
(with 24 ft. battery leads)	8M0080201			
50 amp power steering fuse circuit	84-898289T77	thru	84-898289T79	
Multiple engines require 1 harness per engine	84-8M0138676			636
Multiple engines require 1 harness per engine	84-8M0138677			636
Multiple engines require 1 harness per engine	84-8M0138678			636
Dual Engine	84-892868T01			636
Triple Engine	84-892868T02			636
Cylinder to Helm	32-8M0046914	thru	32-8M0046928	637
Power Module to Helm	32- <b>892438K02</b>	thru	32-892438K24	638
Pressure Hose - Dual Station	32-892825008	thru	32-892825026	639
Used on hydraulic or power steering systems	898349A11			633
Used on hydraulic or power steering systems	898349A14			633
Dual Engine & Kicker Tie Bars				
(Common to both Hydraulic and Power Steering Options)				
Single Cylinder - Dual Engine	64-8M0063473	thru	8M0063477	643
Dual Cylinders - Dual Engines	64- <b>892789Q22</b>	thru	64-892789Q27	643
Port engine mount	898370A03			644
				644
Starboard engine mount	898966A02			044
	Used on hydraulic or power steering systems  Power Steering - Optional  Standard w/pump, signal harness & helm, 4 ft. (optional lengths available) Tilt w/pump, signal harness & helm, 4 ft. (optional lengths available) Standard w/pump, signal harness & helm, 4 ft. (optional lengths available) Tilt w/pump, signal harness & helm, 4 ft. (optional lengths available) Single (included in kit above) Single (included in kit above)  (with 4 ft. battery leads) (with 12 ft. battery leads) (with 24 ft. battery leads)  Multiple engines require 1 harness per engine Multiple engines require 1 harness per engine Dual Engine Triple Engine  Cylinder to Helm Power Module to Helm Pressure Hose - Dual Station  Used on hydraulic or power steering systems  Dual Engine & Kicker Tie Bars (Common to both Hydraulic and Power Steering Options)  Single Cylinder - Dual Engine Dual Cylinders - Dual Engine	Used on hydraulic or power steering systems  8M0056145  Power Steering - Optional  91-895040K01  Standard w/pump, signal harness & helm, 4 ft. (optional lengths available) 892380K05 Tilt w/pump, signal harness & helm, 4 ft. (optional lengths available) 892560K35 Standard w/pump, signal harness & helm, 4 ft. (optional lengths available) 892380K036 Tilt w/pump, signal harness & helm, 4 ft. (optional lengths available) 892380A02 Single (included in kit above)  892380A02 Single (included in kit above)  897478K02  (with 4 ft. battery leads) (with 12 ft. battery leads) (with 24 ft. battery leads) (with 24 ft. battery leads) 8M0080201  50 amp power steering fuse circuit  84-89289T77  Multiple engines require 1 harness per engine 84-8M0138676 Multiple engines require 1 harness per engine 84-8M0138678 Multiple engines require 1 harness per engine 84-892886T01  Triple Engine 84-892886T02  Cylinder to Helm 32-89285008  Cylinder to Helm 32-892438K02 Pressure Hose - Dual Station  32-892825008  Used on hydraulic or power steering systems 898349A11  Used on hydraulic or power steering systems 898349A11  Dual Engine & Kicker Tie Bars (Common to both Hydraulic and Power Steering Options)  Single Cylinders - Dual Engine 64-880063473 Dual Cylinders - Dual Engine 64-880063473	Used on hydraulic or power steering systems  91-895040K01  Standard wipump, signal harness & helm, 4 ft. (optional lengths available) Standard wipump, signal harness & helm, 4 ft. (optional lengths available) Standard wipump, signal harness & helm, 4 ft. (optional lengths available) Sp2560K35 Standard wipump, signal harness & helm, 4 ft. (optional lengths available) Sp2560K56  Single (included in kit above)  Single (included in kit above)  Single (included in kit above)  Smytrakou  (with 4 ft. battery leads) (with 12 ft. battery leads) (with 24 ft. battery leads) (with 24 ft. battery leads)  Multiple engines require 1 harness per engine Multiple engines require 1 harness per engine Multiple engines require 1 harness per engine Sp2560K56  Multiple engines require 1 harness per engine Sp2560K36  Multiple engines require 1 harness per engine Sp2660K36  Multiple engines require 1 harness per engin	Used on hydraulic or power steering systems

### 200-225-250-275-300 (6 cyl) Verado 1B390143 & up

Panel Mount - Chrome - Master Rigging Kit   Single Engine   862984431   522	Description		Part Number		Page
Panel Mount - Chrome - Master Rigging Kit					
Parrel Mount - Black - Master Rigging Kit   Single Engine   896906K32   522		Rigging Kits for Verado DTS Engines			
Sim Binnacie - Chrome Single Engine 886609K31 Sim Binnacie - Black Single Engine 886609K32 Sim Binnacie - Black Single Engine 886609K32 Single Engine 886609K32 Single Engine 8877775K48 Single Engine 877775K48 Single Engine 8800079499 S22 Console Mount - Chrome - Master Rigging Kit Dual Engine 877775K31 Single Engine 877775K31 Single Engine 877775K31 Single Engine 97775K31 Single Engine 97775K31 Single Engine 97775K35 Single Engine 97775K37 Single Engine 977775K37 Single Engine	Panel Mount - Chrome - Master Rigging Kit	Single Engine	892984K31		522
Simgle Engine	Panel Mount - Black - Master Rigging Kit	Single Engine	892984K32		522
Simgle Engine					
Console Mount - Chrome - Master Rigging Kit  Console Mount - Chrome - Master Rigging Kit  Dual Engine  Shooty-Master Rigging Kit  Zero Effort control must be ordered separately  S22  Console Mount - Black - Master Rigging Kit  Zero Effort control must be ordered separately  S23955K32  S25  Cuad Engine - Shadow Mode  S77775K17  Controls  Controls  Controls  Controls  Controls  Controls  Console Mount - Chrome - Single Engine  (included in Master Kits above)  S2394401  473  Console Mount - Chrome - Single Engine  (included in Master Kits above)  S77775K12  Console Mount - Chrome - Single Engine  (included in Master Kits above)  S77775K12  Console Mount - Chrome - Dual Engine  (included in Master Kits above)  S77775K19  Console Mount - Black - Dual Engine  (included in Master Kits above)  S77775K11  Triple Engine - Shadow Mode  (included in Master Kit above)  S77775K21  Zaro Effort Control - 4 Lever  Order to complete Master Kit  S40716A 2 thru 840716A19  DTS Foot Throttle Control Kit  Hot Foot, MY2007 and newer  S83398(03)  473		Single Engine	896609K31		
Console Mount - Chrome - Master Rigging Kit  Dual Engine  877775K31  Triple Engine - Shadow Mode  Includes Control  Triple Engine - Shadow Mode  Includes Control  Triple Engine - Shadow Mode  Controls  Controls  Controls  Panel Mount - Chrome - Single Engine  (included in Master Kits above)  Registrate - Shadow Mode  (included in Master Kits above)  892984A01  473  Console Mount - Chrome - Single Engine  (included in Master Kits above)  892984A02  473  Console Mount - Chrome - Single Engine  (included in Master Kits above)  877775A12  Console Mount - Chrome - Single Engine  (included in Master Kits above)  877775A12  Console Mount - Single Engine  (included in Master Kits above)  877775A12  Console Mount - Chrome - Dual Engine  (included in Master Kits above)  877775A12  Console Mount - Chrome - Dual Engine  (included in Master Kits above)  877775A12  Console Mount - Black - Dual Engine  (included in Master Kits above)  877775A13  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A12	Slim Binnacle - Black	Single Engine	896609K32		
Console Mount - Chrome - Master Rigging Kit  Dual Engine  877775K31  Triple Engine - Shadow Mode  Includes Control  Triple Engine - Shadow Mode  Includes Control  Triple Engine - Shadow Mode  Controls  Controls  Controls  Panel Mount - Chrome - Single Engine  (included in Master Kits above)  Registrate - Shadow Mode  (included in Master Kits above)  892984A01  473  Console Mount - Chrome - Single Engine  (included in Master Kits above)  892984A02  473  Console Mount - Chrome - Single Engine  (included in Master Kits above)  877775A12  Console Mount - Chrome - Single Engine  (included in Master Kits above)  877775A12  Console Mount - Single Engine  (included in Master Kits above)  877775A12  Console Mount - Chrome - Dual Engine  (included in Master Kits above)  877775A12  Console Mount - Chrome - Dual Engine  (included in Master Kits above)  877775A12  Console Mount - Black - Dual Engine  (included in Master Kits above)  877775A13  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A12					
Console Mount - Black - Master Rigging Kit  Triple Engine - Shadow Mode  Includes Control  Triple Engine - DTS Rigging Kit  Zero Effort control must be ordered separately  892955K32  525  Quad Engine - Shadow Mode  877775K17  Controls  Panel Mount - Chrome - Single Engine  (included in Master Kits above)  892984A01  473  Panel Mount - Black - Single Engine  (included in Master Kits above)  892984A02  473  Console Mount - Black - Single Engine  (included in Master Kits above)  877775A12  Console Mount - Black - Single Engine  (included in Master Kits above)  877775A12  Console Mount - Black - Dual Engine  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - S	Console Mount - Chrome - Master Rigging Kit	Single Engine	877775K48		
Console Mount - Black - Master Rigging Kit  Triple Engine - Shadow Mode  Includes Control  Zero Effort control must be ordered separately  892955K32  525  Quad Engine - Shadow Mode  R77775K17  Controls  Panel Mount - Chrome - Single Engine  (included in Master Kits above)  892984A01  473  Panel Mount - Black - Single Engine  (included in Master Kits above)  892984A02  473  Console Mount - Chrome - Single Engine  (included in Master Kits above)  8977775A12  Console Mount - Chrome - Single Engine  (included in Master Kits above)  877775A12  Console Mount - Black - Dual Engine  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kits above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Master Kit above)  877775A11  Triple Engine - Shadow Mode  (included in Maste	Console Mount, Chrome, Master Pigging Kit	Dual Engine	8M0070400		522
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Console Mount - Black - Single Engine (included in Master Kits above) 877775A12  Console Mount - Chrome - Dual Engine (included in Master Kits above) 877775A19  Console Mount - Black - Dual Engine (included in Master Kits above) 877775A11  Triple Engine - Shadow Mode (included in Master Kit above) 877775A21  Zero Effort Control - 2 Lever Order to complete Master Kit 840714A1 thru NLA  Zero Effort Control - 4 Lever Order to complete Master Kit 840714A1 thru 840714A24  Zero Effort Control - 6 Lever Order to complete Master Kit 840716A 2 thru 840716A19  DTS Foot Throttle Control Kit Hot Foot, MY2007 and newer 893359K03 473	Console Mount - Chrome - Single Engine	(included in Master Kits above)	877775 <b>∆</b> 23		
Console Mount - Chrome - Dual Engine (included in Master Kits above) 877775A19  Console Mount - Black - Dual Engine (included in Master Kits above) 877775A11  Triple Engine - Shadow Mode (included in Master Kit above) 877775A21  Zero Effort Control - 2 Lever Order to complete Master Kit NLA thru NLA  Zero Effort Control - 4 Lever Order to complete Master Kit 840714A 1 thru 840714A24  Zero Effort Control - 6 Lever Order to complete Master Kit 840716A 2 thru 840716A19  DTS Foot Throttle Control Kit Hot Foot, MY2007 and newer 893359K03 473					
Console Mount - Black - Dual Engine (included in Master Kits above) 877775A11  Triple Engine - Shadow Mode (included in Master Kit above) 877775A21  Zero Effort Control - 2 Lever Order to complete Master Kit NLA thru NLA  Zero Effort Control - 4 Lever Order to complete Master Kit 840714A 1 thru 840714A24  Zero Effort Control - 6 Lever Order to complete Master Kit 840716A 2 thru 840716A19  DTS Foot Throttle Control Kit Hot Foot, MY2007 and newer 893359K03 473  Instrumentation - Analog Gauges	Solidor Modific Black Gingle Engine	(modes in master rate above)	011110112		
Triple Engine - Shadow Mode (included in Master Kit above) 877775A21  Zero Effort Control - 2 Lever Order to complete Master Kit NLA thru NLA  Zero Effort Control - 4 Lever Order to complete Master Kit 840714A 1 thru 840714A24  Zero Effort Control - 6 Lever Order to complete Master Kit 840716A 2 thru 840716A19  DTS Foot Throttle Control Kit Hot Foot, MY2007 and newer 893359K03 473  Instrumentation - Analog Gauges	Console Mount - Chrome - Dual Engine	(included in Master Kits above)	877775A19		
Zero Effort Control - 2 Lever Order to complete Master Kit NLA thru NLA  Zero Effort Control - 4 Lever Order to complete Master Kit 840714A 1 thru 840714A24  Zero Effort Control - 6 Lever Order to complete Master Kit 840716A 2 thru 840716A19  DTS Foot Throttle Control Kit Hot Foot, MY2007 and newer 893359K03 473  Instrumentation - Analog Gauges	Console Mount - Black - Dual Engine	(included in Master Kits above)	877775A11		
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Zero Effort Control - 4 Lever Order to complete Master Kit 840714A 1 thru 840714A24  Zero Effort Control - 6 Lever Order to complete Master Kit 840716A 2 thru 840716A19  DTS Foot Throttle Control Kit Hot Foot, MY2007 and newer 893359K03 473  Instrumentation - Analog Gauges	Triple Engine - Shadow Mode	(included in Master Kit above)	877775A21		
Zero Effort Control - 4 Lever Order to complete Master Kit 840714A 1 thru 840714A24  Zero Effort Control - 6 Lever Order to complete Master Kit 840716A 2 thru 840716A19  DTS Foot Throttle Control Kit Hot Foot, MY2007 and newer 893359K03 473  Instrumentation - Analog Gauges					
Zero Effort Control - 6 Lever Order to complete Master Kit 840716A 2 thru 840716A19  DTS Foot Throttle Control Kit Hot Foot, MY2007 and newer 893359K03 473  Instrumentation - Analog Gauges					
DTS Foot Throttle Control Kit Hot Foot, MY2007 and newer 893359K03 473  Instrumentation - Analog Gauges		· ·			
Instrumentation - Analog Gauges	Zero Effort Control - 6 Lever	Order to complete Master Kit	840716A 2 thru	u 840716A19	
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All Models Max WOT Range = 5,800-6,400 RPM's					
	All Models Max WOT Range = 5,800-6,400 RPM's				
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SC1000 System Monitor - Front Mount   Round - Black   79-892219K19   402	SC1000 System Monitor - Front Mount	Round - Black	79-892219K19		402
SC1000 System Monitor - Front Mount Round - White 79-892219K20 402	-				

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	Glass Lens 7,000 Tach	79-8M0101099	
	Glass Lens, Single Engine Kit	79-8M0101096	
	Glass Lens, Dual Engine Kit	79-8M0101095	
SC1000 - White - Glass Lens	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79-8M0101097	
	Glass Lens, Single Engine Kit	79-8M0101088	
	Glass Lens, Dual Engine Kit	79-8M0101089	
SC1000 Gray - Glass Lens	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79- <b>8M0101102</b>	
	Glass Lens, Single Engine Kit	79-8M0101104	
	Glass Lens, Dual Engine Kit	79-8M0101105	
MercMonitor - NMEA 2000	Gateway Level 1 ECO Scren	79-8M0100793	
	Gateway Level 2 SmartTow RPM, ECO Screen	79-8M0100794	
	Gateway Level 3 SmartTow Pro, ECO Screen	79-8M0100797	
	Gateway Level 3 SmartTow Pro w/GPS puck, ECO Screen	79-8M0100795	
	ECO Screen only	79-8M0119406	402
VesselView Mobile		84-8M0115080	377
VesselView403		8M0124498	374
VesselView502 Single Engine		8M0110643	374
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Key Switch - DTS - 3 position	Single	87-89 <b>77</b> 16K01	583
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3 position switch housing		879305A01	584
Key Switch - DTS - 4 position	(no cover or bezel)	87- <b>893353A02</b>	582
	(includes key cover & bezel)	87- <b>893353A03</b>	582
	Matched Keys - Dual	87- <b>893353A04</b>	582
	Matched Keys - Triple	87- <b>893353A05</b>	583
	Matched Keys - Quad	87- <b>893353A</b> 06	583
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Lanyard Stop Switch, single engine	Flush mounted	87-19674A07	596
	Chrome bezel mounted	87-19674A08	596
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	Chrome bezel mounted	87- <b>19674A15</b>	598
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	Quad - (requires both harnesses shown)	84-896377K03		526
	Quad - (requires both harnesses shown)	84-892955K05		
	,			
On/Off Hot Foot Kit		898259K01		473
14 Pin Data Cable	Standard lengths, 6-40 ft.	84-892451T06 thru	84-892451T40	574
	Long (low loss) lengths, 50-120 ft.	84-898138T70 thru	84-898138T12	
Clean Power Harness - engine to battery	Not included with XL or XXL models	84-8M0113732		580
Clean Power Harness - battery to helm J box	Not included with any engine models	84-8M0127682		580
Accessory Power Harness Kit		84-899785K04		581
	Fuel Line Assemblies, Tanks & Hardware			
	(new Low Permeation hose shown below)			
For Filter	Outdite Florent Con IV and advan	0E 0M0400400		050
Fuel Filter	Cartridge Element, Gen IV and prior	35-8M0122423		256
Fuel Filter		35-879885Q		248
Water Separating Fuel Filter Kit	Vessel mounted Gen IV and prior	35-8M0114618		83
Water Separating Fuel Filter	Vessel mounted Canister, Gen V and newer	8M0095659		
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Fuel Line - (low permeation)	3/8 inch Fuel Line Required	32-8M0038563		75
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	Miscella redus Accessories			
Oil Filter - QS		35- <b>877769</b> Q01		276
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Gearcase Fill Screw, 5.44 gearcase	(without sealing washer)	10-8M0071653		
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Flushing Attachment - allows running engine - Q/S	(not for use with Jet)	44357Q 2		209
Flushing Attachment - allows running engine - MPP	(not for use with Jet)	44357T 2		
Dual Water Biokup Flush Sool Kit O/S		9911500 1		200
Dual Water Pickup Flush Seal Kit - Q/S Dual Water Pickup Flush Seal Kit - MPP		881150Q 1		209
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	Steering			
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Power Steering Primer Module		91-895040K01		637
Power Steering Primer Module		91-895040K01		637
	Standard w/pump, signal harness & helm. 4 ft. shown, other lengths			
Power Steering Primer Module  Power Steering Rigging Kit - Single Engine	Standard w/pump, signal harness & helm, 4 ft. shown, other lengths available	91-895040K01 892380K05		637

### Specing Rigging Rit - Triple Engine    Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths available   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other lengths   Sundard rejourn, signal harness & helm, 4 ft. shown, other le	Description		Part Number			Page
### A butter   Standard   Standard octoors   Standard						
Prover Steering Rigging R4 - Triple Engine   Standard wijsump, signal harmess & heim, 4 ft, shown, other lengths wouldable   800516933	Power Steering Rigging Kit - Dual Engine		892380K36			
Prower Steering Rogery Kri - Quard Engine   Steering Rogery Rojer - Quard Engine   Steering Rojer   Steering Rogery Rojer - Quard Engine   Steering Rojer   Steering Ro		Tilt w/ pump, signal harness & helm, 4 ft. shown, other lengths available	892560K56			629
Prower Steering Rogery Kri - Quard Engine   Steering Rogery Rojer - Quard Engine   Steering Rojer   Steering Rogery Rojer - Quard Engine   Steering Rojer   Steering Ro						
Power Steering Rigging Kit - Qual Engine   Standard wilpump, signal harmous & halm, 4 ft. shown, other lengths available   892519633	Power Steering Rigging Kit - Triple Engine		892558K33			
### Steering   Harmes - 10 ft.    Multiple engines require 1 harmess per engine   14 manss per engine   14 man		Tilt w/ pump, signal harness & helm, 4 ft. shown, other lengths available	892516K53			
### Steering   Harmes - 10 ft.    Multiple engines require 1 harmess per engine   14 manss per engine   14 man						
Steering Helm - Standard   Single (included in likt above)   8023801Ad2   532	Power Steering Rigging Kit - Quad Engine		NA			
Dual Station (Included in list above)		Tilt w/ pump, signal harness & helm, 4 ft. shown, other lengths available	892516K63			
Dual Station (Included in list above)						
Steering Module (pump & motor)   Single (included in list above)   Bitton (included in list above)   Bitto	Steering Helm - Standard	Single (included in kit above)	892380A02			
Dual Station (included in kit abova)   898177402		Dual Station (included in kit above)	895816A02			632
Power Steering Mcdute (pump & motor)	Steering Helm - Tilt	Single (included in kit above)	8M0030272			
Power Steering Module (pump & motor)		Dual Station (included in kit above)	895817A02			
Power Steering Module (pump & motor)						
(with 12 ft. battery leads) (with 24 ft. battery leads)  Multiple Battery Fuse Harness Assembly  50 amp power steering circuit  Multiple engines require 1 harness per engine  84 -8M0138677  633  Power Steering Signal Harness - 10 ft.  Multiple engines require 1 harness per engine  84 -8M0138677  635  636  Power Steering Signal Harness - 20 ft.  Multiple engines require 1 harness per engine  84 -8M0138677  636  637  638  638  639  639  639  639  639  639	Power Steering Kicker Kit		897478K01			
(with 12 ft. battery leads) (with 24 ft. battery leads)  Multiple Battery Fuse Harness Assembly  50 amp power steering circuit  Multiple engines require 1 harness per engine  84 -8M0138677  633  Power Steering Signal Harness - 10 ft.  Multiple engines require 1 harness per engine  84 -8M0138677  635  636  Power Steering Signal Harness - 20 ft.  Multiple engines require 1 harness per engine  84 -8M0138677  636  637  638  638  639  639  639  639  639  639	Dawer Charine Madula (auma 9 mats-)	(with 4 ft hotton loads)	0140400000			
Wiltiple Battery Fuse Harness Assembly   50 amp power steering circuit   04-888289TT7   thru   84-888289TT9	rower steering Module (pump & motor)					
Multiple Battery Fuse Harness Assembly   50 amp power steering circuit   84-898289177   thru   81-898289179						
Power Steering Signal Harness - 10 ft.   Multiple engines require 1 harness per engine   84 8M0138676   636		(WITH 24 TL DATTERY leads)	8MU122663			
Power Steering Signal Harness - 10 ft.   Multiple engines require 1 harness per engine   84 8M0138676   636	Multiple Dettery Fune Harmana Assembly	EO ama nauga atagina airayit	0.4.000000777	Alare .	0/ 000000770	
Power Steering Signal Harness - 20 ft.   Multiple engines require 1 harness per engine   84 8M0138677   636	multiple battery ruse namess Assembly	30 amp power steering circuit	04-090209177	unu	04-030203173	
Power Steering Signal Harness - 20 ft.   Multiple engines require 1 harness per engine   84 8M0138677   636	Power Steering Signal Harness - 10 ft	Multiple engines require 1 harness per engine	84-8M0138676			636
Power Steering Signal Harmess - 30 ft.   Multiple engines require 1 harmess per engine   84 800138678   636						
Dual Engine   84-892868T01   636						
Triple Engine 84-892868T02 636  Power Steering Hose Kit Cylinder to Helm 32-8M0046914 thru 32-8M0046931 637 Power Module to Helm 32-892438K02 thru 32-892438K24 638 Pressure Hose - Dual Station 32-892825008 thru 32-892825026 639  Steering Cylinder for Counter Rotation Outboard NA  Steering Cylinder for Counter Rotation Outboard NA  25 inch to 27 inch center distance 8M0096314 642 27 inch to 28 inch center distance 8M0096316 642 29 inch to 31 inch center distance 8M0096317 642 31 inch to 35 inch center distance 8M0096319 642 33 inch to 35 inch center distance 8M0096319 642 35 inch to 37 inch center distance 8M0096319 642 35 inch to 37 inch center distance 8M0096320 642 27 inch to 29 inch center distance 8M0096320 642 27 inch to 29 inch center distance 8M009632 642 31 inch to 35 inch center distance 8M009632 642 31 inch to 35 inch center distance 8M009632 642 31 inch to 35 inch center distance 8M009632 642 31 inch to 37 inch center distance 8M009632 642 31 inch to 37 inch center distance 8M009632 642 31 inch to 37 inch center distance 8M009632 642 31 inch to 37 inch center distance 8M009632 642 33 inch to 37 inch center distance 8M009632 642 33 inch to 37 inch center distance 8M009632 642 35 inch to 37 inch center distance 8M009632 642 35 inch to 37 inch center distance 8M009632 642 35 inch to 37 inch center distance 8M009632 642 35 inch to 37 inch center distance 8M009632 642 36 inch to 37 inch center distance 8M009632 642 36 inch to 37 inch center distance 8M009632 642 36 inch to 37 inch center distance 8M009632 642 36 inch to 37 inch center distance 8M009632 642 36 inch to 37 inch center distance 8M009632 643						
Power Steering Hose Kit	Tower oteening orginal in names	•				
Power Module to Helm   32-892438K02   thru   32-892438K24   638     Pressure Hose - Dual Station   32-892825008   thru   32-892825026   639     Steering Cylinder for Counter Rotation Outboard   NA		· · · · · · · · · · · · · · · · · · ·				
Pressure Hose - Dual Station   32.892825008   thru   32.892825026   639   63	Power Steering Hose Kit	Cylinder to Helm	32-8M0046914	thru	32-8M0046931	637
Steering Cylinder for Counter Rotation Outboard   25 inch to 27 inch center distance   8M0096314   642   27 inch to 29 inch to 29 inch center distance   8M0096315   642   29 inch to 31 inch center distance   8M0096316   642   29 inch to 31 inch center distance   8M0096316   642   31 inch to 33 inch center distance   8M0096317   642   33 inch to 35 inch center distance   8M0096319   642   35 inch to 37 inch center distance   8M0097267   642   642   642   642   642   642   642   642   642   642   642   643   644   645   644   645   64		Power Module to Helm	32-892438K02	thru	32-892438K24	638
Gen 5 Dual Tie Bar Kit  25 inch to 27 inch center distance  8M0096314  642  27 inch to 29 inch center distance  8M0096315  642  29 inch to 31 inch center distance  8M0096316  642  31 inch to 33 inch center distance  8M0096317  642  33 inch to 35 inch center distance  8M0096319  642  35 inch to 37 inch center distance  8M0097267  642  10 inch to 27 inch center distance  8M0096320  642  27 inch to 29 inch center distance  8M0096320  642  27 inch to 29 inch center distance  8M0096321  642  29 inch to 31 inch center distance  8M0096321  642  31 inch to 33 inch center distance  8M0096323  642  31 inch to 35 inch center distance  8M0096324  642  35 inch to 37 inch center distance  8M0097268  642  Liquid Tie Bar Kit		Pressure Hose - Dual Station	32-892825008	thru	32-892825026	639
Gen 5 Dual Tie Bar Kit  25 inch to 27 inch center distance  8M0096314  642  27 inch to 29 inch center distance  8M0096315  642  29 inch to 31 inch center distance  8M0096316  642  31 inch to 33 inch center distance  8M0096317  642  33 inch to 35 inch center distance  8M0096319  642  35 inch to 37 inch center distance  8M0097267  642  10 inch to 27 inch center distance  8M0096320  642  27 inch to 29 inch center distance  8M0096320  642  27 inch to 29 inch center distance  8M0096321  642  29 inch to 31 inch center distance  8M0096321  642  31 inch to 33 inch center distance  8M0096323  642  31 inch to 35 inch center distance  8M0096324  642  35 inch to 37 inch center distance  8M0097268  642  Liquid Tie Bar Kit						
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31 inch to 33 inch center distance 8M0096317 642 33 inch to 35 inch center distance 8M0096319 642 35 inch to 37 inch center distance 8M0097267 642 Tie Bar, Add-an-Engine Kit 25 inch to 27 inch center distance 8M0096320 642 27 inch to 29 inch center distance 8M0096321 642 29 inch to 31 inch center distance 8M0096321 642 29 inch to 31 inch center distance 8M0096322 642 31 inch to 33 inch center distance 8M0096323 642 33 inch to 35 inch center distance 8M0096324 642 43 inch to 37 inch center distance 8M0097268 642 Liquid Tie Bar Kit 893396A02 643		27 inch to 29 inch center distance	8M0096315			642
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Tie Bar, Add-an-Engine Kit  25 inch to 27 inch center distance  8M0096320 642 27 inch to 29 inch center distance 8M0096321 642 29 inch to 31 inch center distance 8M0096322 642 31 inch to 33 inch center distance 8M0096323 642 33 inch to 35 inch center distance 8M0096324 642 35 inch to 37 inch center distance 8M0097268 642 484 484 485 485 486 486 486 486 486 486 486 486 486 486		33 inch to 35 inch center distance	8M0096319			642
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29 inch to 31 inch center distance 8M0096322 642 31 inch to 33 inch center distance 8M0096323 642 33 inch to 35 inch center distance 8M0096324 642 35 inch to 37 inch center distance 8M0097268 642 Liquid Tie Bar Kit 893396A02 643	Tie Bar, Add-an-Engine Kit	25 inch to 27 inch center distance	8M0096320			642
31 inch to 33 inch center distance 8M0096323 642 33 inch to 35 inch center distance 8M0096324 642 35 inch to 37 inch center distance 8M0097268 642 Liquid Tie Bar Kit 893396A02 643		27 inch to 29 inch center distance	8M0096321			642
33 inch to 35 inch center distance 8M0096324 642 35 inch to 37 inch center distance 8M0097268 642 Liquid Tie Bar Kit 893396A02 643		29 inch to 31 inch center distance	8M0096322			642
35 inch to 37 inch center distance 8M0097268 642 Liquid Tie Bar Kit 893396A02 643		31 inch to 33 inch center distance	8M0096323			642
Liquid Tie Bar Kit 893396A02 643		33 inch to 35 inch center distance	8M0096324			642
		35 inch to 37 inch center distance	8M0097268			642
Sicker Bracket Engine Attachment 892822A02 644	Liquid Tie Bar Kit		893396A02			643
Kicker Bracket Engine Attachment 892822A02 644						
	Kicker Bracket Engine Attachment		892822A02			644

# **QUICK REFERENCE GUIDE-MERCRUISER**

### QUICK REFERENCE GUIDE-MERCRUISER

# QUICK REFERENCE MERCRUISER CHARTS- GAS MODELS

#### **MerCruiser Gas Models**

Description		Part Number	Page
	Controls		
Panel Mount (w/o trim) - MPC 4000 Series (Gen II)	Pistol Grip	8M0011215	479
Panel Mount (with trim) - MPC 4000 Series (Gen II)	Pistol Grip	8M0011214	479
	Lock Bar	883710A03	480
Console Mount (single eng. with trim) - Commander	O II	88688A26	487
Console Mount (single eng. w/o trim) - MCC 4500 Console Mount (single eng. with trim) - MCC 4500	Gen II Gen II	8M0060782 8M0060783	481 481
Console would (single eng. with thin) - woo 4500	Genn	01010000703	401
Console Mount (dual eng. with trim) - Commander	Twin trim switches in handle	88688A23	487
Solicio mount (dadi ong. maranin, soliminando.	Single trim switch in handle	88688A94	
Console Mount (dual eng. w/o trim) - MCC 4500	olligio alli ollici il lialato	8M0041425	
Console Mount (dual eng. with trim) - MCC 4500	Single trim switch in handle	8M0041428	
Throttle/Shift Cables (two per engine) - (Gen I)	Platinum	897977A03 thru 897977A50	
Throttle/Shift Cables (two per engine) - (Gen II)	Platinum	897978A03 thru 897978A50	
, , , ,			
	Instrumentation - Analog		
Tachometer - 6000 RPM - Flagship	Black Face	79- <b>895283A03</b>	429
	White Face	79- <b>895283A23</b>	434
	White Face w/Chrome Bezel	79- <b>895283A43</b>	438
Tachometer - 6000 RPM - Admiral	Black Face	79-895283Q03	442
	Black Face w/Chrome Bezel	79- <b>895283Q63</b>	447
	White Face	79- <b>895283Q23</b>	450
Speedometer - 80 MPH - Flagship	Black Face	79- <b>895285A04</b>	430
	White Face	79- <b>895285A24</b>	434
	White Face w/Chrome Bezel	79- <b>895285A44</b>	439
Speedometer - 80 MPH - Admiral	Black Face	79- <b>895285Q04</b>	443
	Black Face w/Chrome Bezel	79- <b>895285Q64</b>	447
	White Face	79-895285Q24	451
Speedometer - 65 MPH - Flagship	Black Face	79-895285A03	430
	White Face	79-895285A23	434
Consideration Of MPU Admirel	White Face w/Chrome Bezel	79-895285A43	439
Speedometer - 65 MPH - Admiral	Black Face	79-895285Q03	443
	Black Face w/Chrome Bezel	79-895285Q63	447
	White Face	79- <b>895285Q23</b>	451
Battery Meter - Flagship	Black Face	79- <b>895286A01</b>	431
Dattory motor - Fragority	White Face	79-895286A21	435
	White Face w/Chrome Bezel	79-895286A41	439
Battery Meter - Admiral	Black Face	79-895286Q01	439
Solidiy Motor - Admirdi	Black Face w/Chrome Bezel	79-895286Q61	448
	White Face	79-895286Q21	452
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Description		Part Number	Page
Fuel Gauge - Flagship	Black Face	79- <b>895291A01</b>	432
- doi: edage - lagop	White Face	79-895291A21	437
	White Face w/Chrome Bezel	79- <b>895291A41</b>	441
Fuel Gauge - Admiral	Black Face	79-895291Q01	445
- ac caage namma	Black Face w/Chrome Bezel	79-895291Q61	449
	White Face	79-895291Q21	453
	White I doe	70 000201021	100
Cruiselog (hour meter) - Flagship	Black Face	79- <b>895295A01</b>	433
,	White Face	79- <b>895295A21</b>	438
	White Face w/Chrome Bezel	79-895295A41	442
Cruiselog (hour meter) - Admiral	Black Face	79-895295Q01	446
3(11)	Black Face w/Chrome Bezel	79-895295Q61	450
	White Face	79-895295Q21	454
Power Trim - Flagship	Black Face	79-895292A01	433
	White Face	79-895292A21	437
	White Face w/Chrome Bezel	79-895292A41	441
Power Trim - Admiral	Black Face	79-895292Q01	446
	Black Face w/Chrome Bezel	79-895292Q61	449
	White Face	79-895292Q21	454
Water Temperature Gauge (100-240 deg. F) - Flagship	Black Face	79-895287A01	431
	White Face	79-895287A21	435
	White Face w/Chrome Bezel	79-895287A41	440
Water Temperature Gauge (100-240 deg. F) - Admiral	Black Face	79-895287Q01	444
	Black Face w/Chrome Bezel	79-895287Q61	448
	White Face	79-895287Q21	452
Water Temperature Sender - Dual Station		49734	124, 462
Oil Pressure Gauge - Flagship	Black Face	79-895289A01	432
	White Face	79- <b>895289A21</b>	437
	White Face w/Chrome Bezel	79- <b>895289A41</b>	441
Oil Pressure Gauge - Admiral	Black Face	79-895289Q01	445
	Black Face w/Chrome Bezel	79-895289Q61	449
	White Face	79- <b>895289Q21</b>	453
Oil Pressure Sender - Dual Station		37293T	124, 608
Dual Engine Synchronizer - Flagship	Black Face	79- <b>895294A01</b>	432
	White Face	79- <b>895294A21</b>	437
	White Face w/Chrome Bezel	79-895294A41	441
Dual Engine Synchronizer - Admiral	Black Face	79- <b>895294Q01</b>	446
	Black Face w/Chrome Bezel	79- <b>895294Q61</b>	449
	White Face	79- <b>895294Q21</b>	454
Service Monitor		79- <b>8M0050399</b>	468
(Verify engine for suitability of product)	Instrumentation - SmartCraft Gauges		
SC1000 System Monitor - Front Mount	Rectangular	79- <b>879896K21</b>	403
SC1000 System Monitor - Rear Mount	Rectangular	79- <b>879896K19</b>	403
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# QUICK REFERENCE GUIDE-MERCRUISER

# **QUICK REFERENCE GUIDE-MERCRUISER**

Description		Part Number	Page
SC1000 System Monitor - Front Mount	Round - Black	79- <b>892219K19</b>	402
	Round - White	79-892219K20	402
MercMonitor -NMEA 2000	Gateway Level 1 ECO Screen	79-8M0100793	
	Gateway Level 2 SmartTow RPM, ECO Screen	79-8M0100794	
	Gateway Level 3 SmartTow Pro, ECO Screen	79-8M0100797	
	Gateway Level 3 SmartTow Pro w/GPS puck, ECO Screen	79-8M0100795	
	ECO Scrren only	79-8M0119406	402
SC1000 Black - Glass Lens	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79-8M0101099	
	Glass Lens, Single Engine Kit	79-8M0101096	
	Glass Lens, Dual Engine Kit	79-8M0101095	
SC1000 White - Glass Lens	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79-8M0101097	
	Glass Lens, Single Engine Kit	79-8M0101088	
	Glass Lens, Dual Engine Kit	79-8M0101089	
	•		
SC1000 Gray - Glass Lens	Bezels must be ordered separately		
	Glass Lens 7,000 Tach	79-8M0101102	
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#### **VESSELVIEW903**



# VesselView903

From engine information to vessel systems, the Mercury VesselView903's 9" screen is your information portal for your boat. Mercury VesselView allows boaters to display engine information, genset, sounder info and much more...

- Features a bright 16x9 aspect ratio, high definition glass touchscreen with glarereducing coating and dimmable lighting
- Features a built in 10Hz GPS and chart plotter capability (regional electronic chart cards purchased separately)
- Unique touch only screen interface that delivers intuitive display interaction (optional remote control button interface is available)
- Auto Notification of software updates through the embedded WiFi
- Can be integrated with all the Simrad accessories for the Go9 product line: Radar, Sonar transducers, Fish Finder transducers, AIS, VHF, Sonic Hub/Fusion Link/ SiriusXM, C-Zone/Naviop digital switching and more



- Descriptive fault text display provides up-to-date information for 30+ engine parameters Including: Fuel Level & Range, Oil Temperature & Pressure, Battery Voltage, Water Depth, Genset and more
- Simultaneous displays information for up to 4 engines in an easy-to-read interface
- Gateway functionality to allow SmartCraft data to be displayed on NMEA 2000 devices
- · Supports 16 languages and multiple unit conversions
- Requires Mercury's VesselView Link to fully integrate the propulsion system and make your multi-function display truly multi-functional (included in the kit)
- · Can be low profile top mount, flush or bracket mount the display
- Full-featured chartplotter with widest available cartography (Insight, Navionics, CMAP)
- Radar display for Simrad Broadband 3G/4G and Halo Pulse Compression radar systems
- · Built in Broadband Sounder, CHIRP Sonar, StructureScan HD imaging or ForwardScan sonar support (transducer required)

Description	Part Number
VV903 Multi Engine Kit	8M0129545
VV903 Single Engine Kit	8M0129543

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#### **VESSELVIEW703**

# VesselView703

# Precise, reliable control with greater visibility

Discover exceptional clarity, wide viewing angles, and enhanced controls for easier display operation in all conditions. Cruise, fish, and experience an unprecedented level of built-in functionality on the all-new VesselView703.

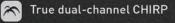
- Features a bright 16x9 aspect ratio, high definition glass touchscreen with glare-reducing coating and dimmable lighting
- Features a built in 10Hz GPS and chart platter capability (regional electronic chart cards purchased separately)
- Hybrid touchscreen and button interface allows users preferences for display interaction
- Auto Notification of software updates through the included WiFi capability
- Can be integrated with all the Simrad accessories for the NSS Evo3 product line: Radar, Sonar transducers, Fish Finder transducers, AIS, VHF, Sonic Hub/Fusion Link, C-Zone and Naviop digital switching and more
- Simultaneously displays information for up to 4 engines in an easy-to-read interface
- Display provides up-to-date information for 30+ engine parameters Including: Fuel Level & Range, Oil Temperature & Pressure, Battery Voltage, Water Depth, Genset and more
- Gateway functionality to allow SmartCraft data to be displayed on NMEA 2000 devices
- Supports 16 languages and multiple unit conversions
- Requires Mercury's VesselView Link to fully integrate the propulsion system and make your multi-function display truly multi-functional (included in the kit)

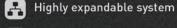


Description	Part Number
VV703 Multi Engine Kit	8M0124496
VV703 Single Engine Kit	8M0124495









Built-in GoFree™ Wi-Fi

VesselView703 is the next generation in the Mercury® VesselView® Multifunction Display family featuring the new Simrad® SolarMAX® HD display.





Learn more at mercurymarine.com

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P/N 90-8M0128535 rev2-0118



#### VESSELVIEW502

# VesselView502

From engine information to vessel systems, the Mercury VesselView502's 5" screen is your information portal for your boat. Mercury VesselView allows boaters to display engine information, genset, sounder info and much more...

- Features a bright 16x9 aspect ratio, high definition glass touchscreen with glarereducing coating and dimmable lighting
- Features a built in 10Hz GPS and chart plotter capability (regional electronic chart cards purchased separately)
- Unique touch only screen interface that delivers intuitive display interaction (optional remote control button interface is available)
- Auto Notification of software updates through the embedded WiFi and Bluetooth capability
- Can be integrated with all the Simrad accessories for the Go5 product line: Radar, Sonar transducers, Fish Finder transducers, AIS, VHF, Sonic Hub/Fusion Link, C-Zone digital switching and more



- Adaptive screen automatically presents information when it is most important
- Descriptive fault text display provides up-to-date information for 30+ engine parameters Including: Fuel Level & Range, Oil Temperature & Pressure, Battery Voltage, Water Depth, Genset and more
- Simultaneous displays information for up to 4 engines in an easy-to-read interface
- Gateway functionality to allow SmartCraft data to be displayed on NMEA 2000 devices
- Supports 16 languages and multiple unit conversions
- Requires Mercury's VesselView Link to fully integrate the propulsion system and make your multi-function display truly multi-functional (included in the kit)

Description	Part Number
VV502 Multi Engine Kit	8M0110646
VV502 Single Engine Kit	8M0110643



Learn more at mercurymarine.com

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P/N 8M0141383

# VESSELVIEW403



# VesselView403

From engine information to vessel systems, Mercury VesselView – the premiere engine information display in the recreational marine industry – is your information portal to your boat. Mercury® VesselView® allows boaters to display engine information, genset, sounder and more.

- Features a bright, 4" glass screen with glare-reducing coating and dimmable lighting
- Low Profile front mount with sleek optimized button-only user interface
- Active Trim interface so that the Active Trim dash pad is not required. Requires a GPS source.
- Includes WiFi support for easier software updates
- Descriptive fault text display provides up-to-date information for over 30 engine parameters
- Supports up to 4 engines and can simultaneously display information for up to 2 engines in an easy-to-read interface
- Whether you ski, wakeboard or surf, Smart Tow<sup>®</sup>
  makes boating easier and more fun by delivering
  consistent, dialed-in pulls for all tow sport activities.
- Gateway functionality to allow SmartCraft® data to be displayed on NMEA 2000 devices
- Supports 16 languages and multiple unit conversions
- Troll Control can set engine trolling speed in increments of 10 RPM for precise control



Description	Part Number
VesselView403 Kit	8M0124498

#### SMART TOW



#### TROLL CONTROL

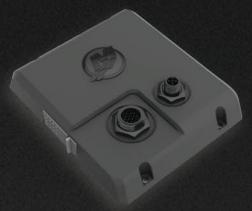


#### ENGINE INFORMATION



### **VESSELVIEW LINK**

# Engine data linked to your vessel display. Welcome to VesselView Link by Mercury Marine.



## VesselView Link

- Offered as a single engine or multi engine (2-4 engine) interface, a "black box" VesselView that installs under the dash
- Can also Link a Simrad or Lowrance compatible display to the Mercury SmartCraft data and control system which provides the fully integrated and functional Mercury VesselView user interface on those displays
- Simrad NSS evo2, NSS evo3, NSO evo2, NSO evo3 and GO series; Lowrance HDS Gen 2 Touch and HDS Gen 3
  - Excellent opportunity for those fisherman with Lowrance displays and Mercury power to get the full VesselView experience where they normally would only rely on analog gauges
- Info & Control features ECO mode, Troll Control in 10 RPM increments, Active Trim interface to omit the dashpad, Cruise Control (RPM or Speed based), SmartTow (tow sport launch control system, RPM or Speed based), with customizable user launch profiles and new intuitive interface utilizing the Launch Target cursor
- User selectable 16 languages that cover the interface, Descriptive Fault Text, Universal Fault Codes (UFCs) and Maintenance Items (for those engines equipped with this feature)

Included in the VV502, VV703 and VV903 kits	
Can also be ordered as a component*	

VesselView Link Multi	8M0110641
VesselView Link Single	8M0110639
VesselView Link Multi w/Advanced Features Bundle	8M0144269

\*only supports Simrad or Lowrance compatible displays

Looking for a display that fully integrates with your propulsion system? Mercury's VesselView Link is the answer. Offered in single engine or multi-engine [2-4 engines] versions, this is your link to all the features SmartCraft has to offer. Available on compatible Lowrance and Simrad displays, you now have all the VesselView information and control capability at your fingertips. With a user interface that's easy to navigate, you're able to integrate the following systems into one display.

- · Chart plotter
- · Sonar/fish finder
- Radai
- · VHF
- AIS (Automatic Identification System)
- · Sonic Hub/Fusion Link
- · CZone/Naviop Digital Switching
- · And many more





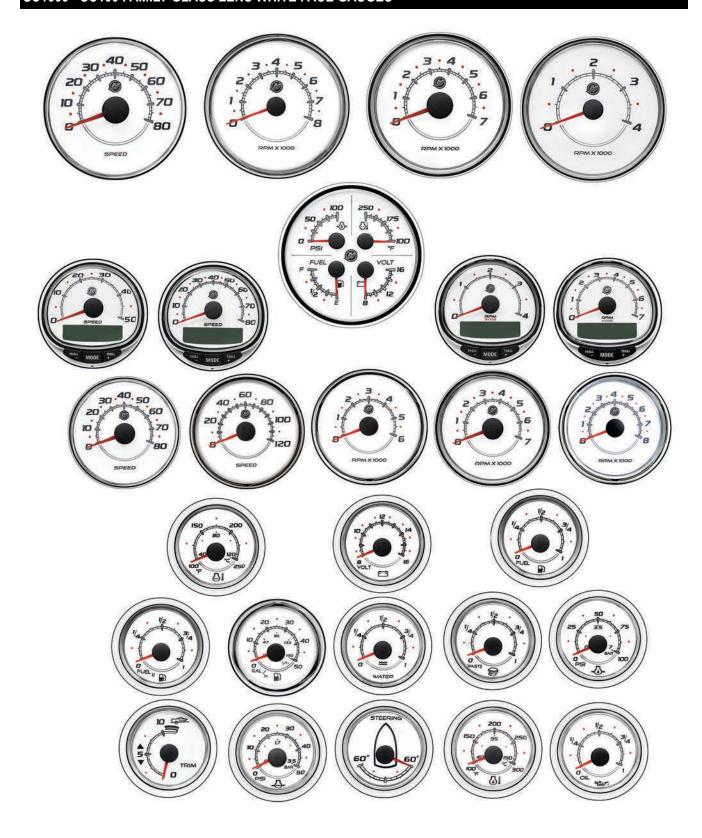


Learn more at mercurymarine.com

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P/N 8M0144269 0218

# SC1000 - SC100 FAMILY GLASS LENS WHITE FACE GAUGES



## SC1000 - SC100 FAMILY GLASS LENS BLACK FACE GAUGES



# SC1000 - SC100 FAMILY GLASS LENS GRAY FACE GAUGES



#### **VESSELVIEW FAMILY**



#### **VESSELVIEW**

VesselView continues to evolve as the next generation full color displays with an enhanced full sunlight viewable vessel information center encompassing data from the vessel, navigation and engines. There are numerous NMEA2K input options in addition to the fully integrated Mercury Marine SmartCraft digital information and control features. Regardless of the application, we have a display solution available: VesselView4, VesselView502, VesselView702, VesselView703, VesselView Link or VesselView Mobile.

#### **VESSELVIEW903 SINGLE ENGINE KIT**



#### 8M0129543

VesselView903 is our 16:9 HD direct sunlight viewable color touchscreen-only multi-function display. Kit includes VesselView Link, VV903 display and harnessing.

Works with all SmartCraft capable engines 40 HP and up, single engine applications only. A NMEA2000 backbone is required, starter kit available separately.

#### **VESSELVIEW 903 MULTI ENGINE KIT**



#### 8M0129545

VesselView903 is our 16:9 HD direct sunlight viewable color touchscreen-only multi-function display. Kit includes VesselView Link, VV903 display and harnessing.

Works with all SmartCraft capable engines 40 HP and up, dual through quad engine applications only. A NMEA2000 backbone is required, starter kit available separately.

#### **VESSELVIEW703 SINGLE ENGINE KIT**



#### 8M0124495

VesselView703 is our 16:9 HD direct sunlight viewable color touchscreen display. Kit includes the VesselView Link and harnessing. WiFi and Bluetooth are built in. Works with all SmartCraft capable engines 40 HP and up, single engine applications only. A NMEA2000 backbone is required, starter kit available

#### **VESSELVIEW703 MULTI ENGINE KIT**



#### 8M0124496

VesselView703 is our 16:9 HD direct sunlight viewable color touchscreen display. Kit includes the VesselView Link and harnessing. WiFi and Bluetooth are built in. Works with all SmartCraft capable engines 40 HP and up, dual through quad engine applications. A NMEA2000 backbone is required, starter kit available separately.

#### VESSELVIEW502 SINGLE ENGINE KIT



#### 8M0110643

VesselView502 is our 16:9 HD direct sunlight viewable color touchscreen-only display. Kit includes the new VesselView Link, harnessing and GoFree WiFi module.

Works with all SmartCraft capable engines 40 HP and up, single engine applications only. A NMEA2000 backbone is required, starter kit available separately.

#### **VESSELVIEW502 MULTI ENGINE KIT** 8M0110646

VesselView502 is our 16:9 HD direct sunlight viewable color touchscreen-only display. Kit includes the new VesselView Link, harnessing and GoFree WiFi

Works with all SmartCraft capable engines 40 HP and up, dual through quad engine applications. A NMEA2000 backbone is required, starter kit available separately.

#### **VESSELVIEW403 KIT**



#### 8M0124498

VesselView403 is a direct sunlight viewable color display for up to 2 engines. Kit includes display and harnessing.

Works with all SmartCraft capable engines 40 HP and above. Single through quad engine applications but display only supports data for up to 2 engines.

#### **VESSELVIEW903 SUN COVER - MERCURY**



#### 8M0133439

Protects VesselView903 when not in in use. With Mercury logo Works with VesselView903

#### **VESSELVIEW703 SUN COVER - MERCURY**



Protects VesselView703 when unit is not being used. With Mercury Logo Works with VesselView703

#### **VESSELVIEW703 SUN COVER - CUMMINS**



#### 8M6005108

Protects VesselView703 when unit is not being used. With Cummins Logo Works with VesselView703

#### **VESSELVIEW502 SUN COVER - MERCURY**



#### 8M6003707

Protects VesselView502 when unit is not being used. With Mercury Logo Works with VesselView 502

#### **VESSELVIEW403 SUN COVER - MERCURY**



#### 8M6005019

Protects VesselView403 when not in use. With Mercury Logo Works with VesselView403

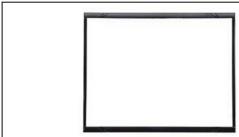
#### **VESSELVIEW403 SUN COVER - CUMMINS**



#### 8M6005109

Protects VesselView403 when not in use. With Cummins logo Works with VesselView403

#### **VESSELVIEW 903 BEZEL - BLACK**



#### 8M0141864

Replacement VesselView903 bezel accent piece - black Works with VesselView903

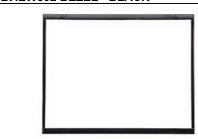
#### **VESSELVIEW703 BEZELS - BLACK**



#### 8M6005025

Replacement VesselView703 bezel accent pieces - black Works with VesselView703

#### **VESSELVIEW502 BEZEL - BLACK**



#### 8M6003706

Replacement VesselView502 bezel accent pieces - black Works with VesselView502

#### **VESSELVIEW403 BEZEL - BLACK**



#### 8M6005014

Replacement VesselView403 bezel accent piece - black Works with VesselView403

#### **VESSELVIEW LINK SINGLE**



#### 8M0110639

Integrate your Lowrance or Simrad display with your Mercury propulsion system and the power of VesselView.

Single SmartCraft capable engine and a compatible display (VesselView502, VesselView702, VesselView703, Simrad NSS evo2, NSS evo3, NSO evo2, GO Series, Lowrance HDS Gen 2 Touch or HDS Gen 3)

#### **VESSELVIEW LINK MULTI**

#### 8M0110641

Integrate your Lowrance or Simrad display with your Mercury propulsion system and the power of VesselView.

Multi SmartCraft capable engines (2 to 4) and a compatible display (VesselView502, VesselView702, VesselView703, Simrad NSS evo2, NSS evo3, NSO evo2, GO Series, Lowrance HDS Gen 2 Touch or HDS Gen 3)

#### VESSELVIEW LINK MULTI WITH ADVANCED FEATURES 8M0144269

Integrate your Lowrance or Simrad display with your Mercury propulsion system and the power of VesselView.

Multi SmartCraft capable engines (2 to 4) and a compatible display (VesselView502, VesselView702, VesselView703, VesselView903, Simrad NSS evo2, NSS evo3, NSO evo2, GO Series, Lowrance HDS Gen 2 Touch or HDS Gen 3). Specifically intended for latest generation Joystick applications and includes the Advanced Features: Heading Adjust, Bowhook and Drifthook.

#### **VESSELVIEW LINK HARNESS**



#### 84-8M0111670

Harness used to connect VesselView Link to the Junction Box, included in the VesselView Link Kits

Can be used with either the VesselView Link Single or Multi engine component

#### **VESSELVIEW LINK MOUNTING BRACKET**



#### 8M0110649

Stainless Steel mounting bracket which allows the VesselView Link (Single or Multi) to be installed vertically to the mounting surface.

Optional bracket to be used when there is not sufficient space to mount the VesselView Link flat to the intended mounting surface.

#### **VESSELVIEW70X POWER HARNESS**



#### 84-8M0111668

Harness provides power and SmartCraft information via a Junction Box connection Used for VesselView702 and 703 displays, comes in the full kit

#### **VESSELVIEW502 POWER HARNESS**



#### 84-8M0111669

Harness provides power and SmartCraft information via a Junction Box connection Used for all VesselView502 displays, comes in the full kit

#### **VESSELVIEW903 DISPLAY ONLY**



#### 8M0129544

Display only with harness, NMEA2000 T and extension, bezels, sun cover, mounting hardware and gasket.

VV903 display only for use with an exisitng VesselView Link on multi-display installations or as a service replacement..

#### **VESSELVIEW703 DISPLAY ONLY**



#### 8M0124497

Display only with harness, NMEA2000 T and extension, bezels, sun cover, mounting hardware and gasket.

VV703 display only for use with an exisitng VesselView Link on multi-display installations.

#### **VESSELVIEW502 DISPLAY ONLY**



#### 8M0110644

Display only with harness, NMEA2000 T and extension, bezels, sun cover, mounting hardware and gasket.

VV502 display only for use with an exisitng VesselView Link on multi-display installations.

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#### **VESSELVIEW7 AND 70X VIDEO INPUT CABLE**



#### 8M6003460

Add up to two video sources as inputs to your VesselView7 or 702 display. Can be used for viewing numerous useful locations: the swim platform area, inside the engine compartment/bilge area, from the ski tower looking aft or down in the galley/cabin below

Works with VV7, VV702 or VV703 and NTSC/PAL analog video signals

#### **VESSELVIEW MOBILE**



#### 84-8M0115080

Connect the SmartCraft digital data stream from your engine to your iOS or Android mobile device via BLE (Bluetooth Low Energy 4.0).

Works with any SmartCraft-capable 2003 or newer engine (from single to quad applications), 40 HP and higher (outboards, gas or diesel sterndrives and inboards, Joystick Piloting, Zeus pods and Racing products).

#### 84-8M0130181

Connect the SmartCraft digital data stream from your engine to your iOS or Android mobile device via BLE (Bluetooth Low Energy 4.0).

Works with any SmartCraft-capable 2003 or newer engine (from single to quad applications), 40 HP and higher (outboards, gas or diesel sterndrives and inboards, Joystick Piloting, Zeus pods and Racing products). Priced individually, sold @ multiples of 12

#### VESSELVIEW MOBILE BULK (24 UNITS) 8M0120319

Individually priced, sold @24. Does not contain point of sale packaging. Intended for high volume installations of the VesselView Mobile Module in Dealer, boat builder and Fleet scenarios. Connect the SmartCraft digital data stream from your engine to your iOS or Android mobile device via BLE (Bluetooth Low Energy 4.0). Get access to all the data via www.vesselviewmobile.com

Works with any SmartCraft-capable 2003 or newer engine (from single to quad applications), 40 HP and higher (outboards, gas or diesel sterndrives and inboards, Joystick Piloting, Zeus pods and Racing products).

#### **VESSELVIEW MOBILE**



- See all the SmartCraft engine parameters: fuel flow, water temperature, oil & water pressures, battery voltage, RPM, etc (parameters available are specific to each engine family)
- Get fault code diagnostic information so you know and understand if that fault is something to be addressed when you return back to the dock or it is something more significant
- Get mapping information for your body of water: location, record a moment on the water, fuel & restaurant locations and more
- Dealer Locator and Primary Dealer selector
- · Checklists associated with your boating lifestyle
- · Maintenance reminders and historical maintenance information logs
- Web-based account to dive deeper into your connection with your boat

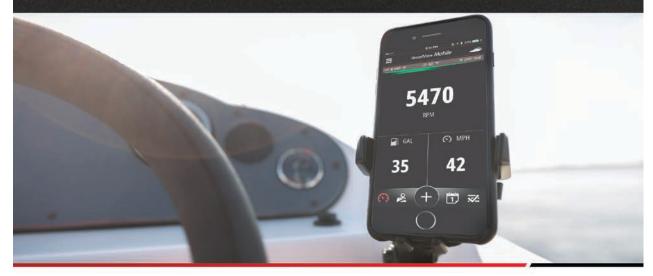
   analyze fuel consumption trip to trip and year to year, relive those
   wonderful family trips or fantastic fishing moments
- Compatible with all Mercury SmartCraft-capable engines built since 2003 [40 HP and up]
- · www.VesselViewMobile.com

Description	Part Number
VesselView Mobile Point of Sale	8M0115080
VesselView Mobile Point of Sale (qty 12)	8M0130181
VesselView Mobile bulk kit (atv 24)	8M0120319



Now you can have the power of SmartCraft on your mobile device (iOS or Android) with all the digital data your SmartCraft engine supports plus new features such as Maintenance Reminders, Mapping, Performance Summary and Fault Code Diagnostic information. Connect with your engine and be in the know.

Android® is a registered trademark of Google®, Inc., Bluetooth® is a registered trademark of Bluetooth SIG, Inc., iOS® is a registered trademark of Cisco Systems®, Inc. [used under license by Apple®, Inc.], SmartCraft® and VesselView® are registered trademarks of Brunswick® Corporation.





Learn more at mercurymarine.com

#### **ROKK MINI MOUNT SYSTEM**

# ROKK Mini Mount System

ROKK mini is a compact and multi-adjustable mounting system for smart phones, tablets, small fish finders, digital and action cameras and more! Small in size but big on features, ROKK Mini is simply the toughest, most reliable mount for your tech. No compromise.

#### **VERSATILE**

A choice of base mounts to install your devices how you want, where you want

#### MORE THAN A MOUNT

Designed, not just made. With features that you'll feel and hear more than you'll see

#### QUICK FIT I QUICK RELEASE

Install your devices instantly onboard. With one reassuring click your mobile device is both secured and released.

#### SOLID INSTALL

A metal-on- metal locking system multiplies your clamping efforts to achieve 100% locking force. Your electronics will never move, until you want them to.

#### UNIVERSAL TABLET CLAMP

Secure mount for mini and full size tablets – ratchet adjustable

Fits devices from 125mm to 220mm [5-81/4"]

#### UNIVERSAL PHONE CLAMP

Product

Quicksilver Office.

Secure mount for smart phones, handheld GPS and other small devices ratchet adjustable

Fits devices from 45mm to 95mm (13/4"-33/4")



Part Number



The ultimate rapid waterproof USB charger with dual socket connectivity that can charge devices up to 3x faster than standard USB sockets. Featuring a click & lock lid and ultra low profile, the ROKK charge+ is perfect for any outdoor application.

#### Smaller | Faster | More Waterproof

#### Universal

- · Universal fit for any USB Type-A connector.
- · Charge up to 2 devices at a time.
- Easy Install
- Click & Lock Lid

#### **Waterproof Charging**

- . IPX6 waterproof with cover closed.
- 1.5A: up to 3x faster than standard USB sockets.
- · Waterproof with 1, 2 and even no cables plugged in.

#### Marine Ready

- 12-24V
- · Anti-corrosion coating on circuit board.
- UV resistant.
- 316 stainless hinge and spring.

#### **Great Design**

- Ultra low profile: only 29mm high, 94mm long.
- Anti-snag cover aligns cables when closed.
- Standard barrel size also fits existing USB socket





Learn more at mercurymarine.com

#### **MOBILE DEVICE SUPPORT**

Three easy steps to select the ROKK mini mount system that works for

- 1. Select your mobile device clamp:
- phone tablet
- 2. Mini adjustable body works with all clamps and bases.
- 3. Select your base:
- surface a.
- b. rail
- C. adhesive
- suction cup



#### **ROKK UNIVERSAL PHONE CLAMP**



#### 8M6005674

ROKK universal phone clamp is used to hold a phone exactly where you want it. Used in conjunction with the Mini Adjustable Body and your choice of ROKK

One of three modular pieces used in the ROKK mini mount system to position your mobile device right where you want it. A great addition to any boat, auto, motorcycle, ATV or plane.

#### **ROKK UNIVERSAL TABLET CLAMP**



#### 8M6005673

ROKK universal tablet clamp is used to hold a tablet exactly where you want it. Used in conjunction with the Mini Adjustable Body and your choice of ROKK

One of three modular pieces used in the ROKK mini mount system to position your mobile device right where you want it. A great addition to any boat, auto, motorcycle, ATV or plane.

#### **ROKK MINI ADJUSTABLE BODY**



#### 8M6005672

ROKK mini adjustable body is used to position a mobile device exactly where you want it. Used in conjunction with a ROKK universal clamp and your choice of ROKK mounts. Easily detaches to move to various locations.

One of three modular pieces used in the ROKK mini mount system to position your mobile device right where you want it. A great addition to any boat, auto, motorcycle, ATV or plane.

#### **ROKK MINI SURFACE MOUNT**



#### 8M6005675

ROKK mini surface mount is used to provide a "ROKK" solid mount for your mini mount system which was designed to hold your mobile device exactly where you want it. Used in conjunction with a ROKK universal clamp and the ROKK mini adjustable body

One of three modular pieces used in the ROKK mini mount system to position your mobile device right where you want it. A great addition to any boat, auto, motorcycle, ATV or plane.

#### **ROKK MINI RAIL MOUNT**



#### 8M6005676

ROKK mini rail mount is used to provide a "ROKK" solid mount for your mini mount system which was designed to hold your mobile device exactly where you want it. Used in conjunction with a ROKK universal clamp and the ROKK mini adjustable

One of three modular pieces used in the ROKK mini mount system to position your mobile device right where you want it. A great addition to any boat, auto, motorcycle, ATV or plane.

#### **ROKK SELF-ADHESIVE MOUNT**



#### 8M6005677

ROKK mini self-adhesive mount is used to provide a "ROKK" solid mount for your mini mount system which was designed to hold your mobile device exactly where you want it. Used in conjunction with a ROKK universal clamp and the ROKK mini adjustable body.

One of three modular pieces used in the ROKK mini mount system to position your mobile device right where you want it. A great addition to any boat, auto, motorcycle, ATV or plane.

#### **ROKK MINI SUCTION CUP MOUNT**



#### 8M6005678

ROKK mini suction cup mount is used to provide a "ROKK" solid mount for your mini mount system which was designed to hold your mobile device exactly where you want it. Used in conjunction with a ROKK universal clamp and the ROKK mini adjustable body.

One of three modular pieces used in the ROKK mini mount system to position your mobile device right where you want it. A great addition to any boat, auto, motorcycle, ATV or plane.

#### **CHARGE+ WATERPROOF DUAL USB POWER**



#### 8M6005670

Easy installation of waterproof USB power for up to two of your mobile devices. 12-24V input, waterproof with 1, 2 and even no cables plugged in, up to 3x faster charging than typical USB outlets, click & lock lid, total output current capacity 4.2A Install any place you want to have USB power close at hand.

#### USB TO LIGHTNING WATERPROOF CABLE - 2 METER



#### 8M6005671

2 meter USB to Lightning waterproof cable

Use with any Apple device that has the Lightning connector and the Charge+waterproof USB power supply

# USB TO LIGHTNING WATERPROOF CABLE - 0.6 METER 8M6005696

0.6 meter USB to Lightning waterproof cable

Use with any Apple device that has the Lightning connector and the Charge+ waterproof USB power supply

# USB TO MICRO USB WATERPROOF CABLE - 2 METER 8M6005695

2 meter USB to micro USB waterproof cable

Use with any Android device that has the micro USB connector and the Charge+waterproof USB power supply

# USB TO MICRO USB WATERPROOF CABLE - 0.6 METER

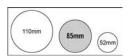
#### 8M6005697

0.6 meter USB to micro USB waterproof cable

Use with any Android device that has the micro USB connector and the Charge+waterproof USB power supply

# SC 1000 SYSTEM TACH/SPEED (85MM) GLASS LENS WHITE FACE GAUGES

Software version 7.0 for all SC1000 Tachometers and Speedometers supports the Mercury global dimming feature, maintenance reminder feature, an improved user interface and have SmartTow standard (various features are engine specific)



#### **SPEEDOMETER - 80 MPH**



#### 79-8M0135627

SC1000 80 MPH speed gauge, white face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft capable engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **BULK SPEEDOMETER - 80 MPH**

#### 79-8M0135628

SC1000 80 MPH speed gauge, white face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support. BULK KIT contains 24 gauges

Priced individually, sold @ multiples of 24

#### SPEEDOMETER - 50 MPH



#### 79-8M0135624

SC1000 50 MPH speed gauge, white face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### SPEEDOMETER - 50 MPH (NO LOGO)



#### 79-8M0135659

SC1000 50 MPH Speed gauge, no logo, white face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPERATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **TACHOMETER - 7K**



#### 79-8M0135634

SC1000 7000 RPM tach gauge, white face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Featuresavailable on this gauge will depend on the individual engine model and its available sensors

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **BULK TACHOMETER - 7K**

#### 79-8M0135638

SC1000 7000 RPM Tach gauge, white face, glass lens. Fits 85mm dia. hole.

Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support. BULK KIT contains 24 gauges

Priced individually, sold @ multiples of 24

#### **TACHOMETER - 4K**



#### 79-8M0135625

SC1000 4000 RPM tach gauge, white face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **TACHOMETER (NO LOGO)**



#### 79-8M0079925

SC1000 4000 RPM Tach gauge, no logo, white face, glass lens. Fits 85mm dia. hole.

Fits 2001 and newer Optimax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-stroke, Verado, Diesel and all SmartCraft compatible Mercruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors. Software 7.0 supports Mercury global dimming function, 150 4-stroke Maintenance Feature, improved user interface and standard SmartTow functionality.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

#### TACHOMETER - 5K (NO LOGO)



#### 79-8M0135658

SC1000 5000 RPM Tach gauge, no logo, white face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

# SINGLE ENGINE TACHOMETER - 7K / SPEEDOMETER - 80 MPH KIT

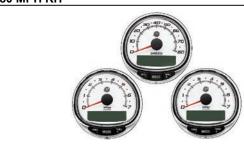


#### 79-8M0135688

One 7000 RPM tach and one 80 MPH speed. Contains speed and tach harnesses, air temp sensor and junction box for single engine application. White face and glass lens. Gauges have RPM and Speed based SmartTow. Features available on these gauges will depend on the individual engine model and its available sensors.

BEZELS SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

# DUAL ENGINE TACHOMETER - 7K / SPEEDOMETER - 80 MPH KIT



#### 79-8M0135626

Two 7000 RPM tachs and one 80 MPH speed. Contains speed and tach harnesses, junction box and air temp sensor for dual engine application. White face and glass lens. Gauges have RPM and Speed based SmartTow. Features on these gauges will depend on the individual engine models and the available sensors.

BEZELS SOLD SEPARATELY. Work with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support. An additional junction box may be required depending on application.

### SC 1000 SYSTEM TACH/SPEED (85MM) GLASS LENS BLACK FACE GAUGES

Software version 9.0 for all SC1000 Tachometers and Speedometers adds Active Trim, Active Exhaust and Oil Level Status support. (various features are engine specific)



#### **SPEEDOMETER - 80 MPH**



#### 79-8M0135631

SC1000 80 MPH speed gauge, black face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **SPEEDOMETER - 50 MPH**



#### 79-8M0135629

SC1000 50 MPH speed gauge, black face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow Features available on this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.
Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **TACHOMETER - 7K**



#### 79-8M0135641

SC1000 7000 RPM tach, black face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **TACHOMETER - 4K**



#### 79-8M0135630

SC1000 4000 RPM tach gauge, black face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SMartTow. Features available on this gauge will depend on the individual engine model and its available sensors

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **TACHOMETER - 4K (NO LOGO)**



#### 79-8M0135656

SC1000 4000 RPM tach gauge, no logo, black face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features on this gauge will depend on the individual engine model and its available sensors

BEZEL SOLD SEPERATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **TACHOMETER - 5K (NO LOGO)**



#### 79-8M0135657

SC1000 5000 RPM tach, no logo, black face, glass lens. Fits 85mm dia. hole. Gauge has RPM and Speed based SmartTow. Features availabe on this gauge will depend on the individual engine model and its available sensors

BEZEL SOLD SEPERATELY. Works with all SmartCraft comp[atible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

# SINGLE ENGINE TACHOMETER - 7K / SPEEDOMEMTER - 80 MPH KIT



#### 8M0135633

One 7000 RPM tach and one 80 MPH speedometer. Contains speed and tach harnesses, air temp sensor and junction box for single engine application. Black face and glass lens. Gauges have RPM and Speed based SmartTow. Features available on these gauges will depend on the individual engine model and its available sensors

BEZELS SOLD SEPARATELY. Work with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

# DUAL ENGINE TACHOMETER - 7K / SPEEDOMETER 80 MPH KIT



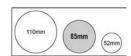
#### 79-8M0135632

Two 7000 RPM tachs and one 80 MPH speedometer. Contains speed and tach harnesses, air temp sensor and junction box for dual application. Black face and glass lens. Gauges have RPM and speed based SmartTow. Features available on these gauges will depend on the individual engine model and its available sensors. BEZELS SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status

#### SC 1000 SYSTEM TACH/SPEED (85MM) GLASS LENS GRAY FACE GAUGES

support. An additional junction box may be required depending on application.

Software version 7.0 for all SC1000 Tachometers and Speedometers supports the Mercury global dimming feature, maintenance reminder feature, an improved user interface and have SmartTow standard (various features are engine specific)



#### **SPEEDOMETER - 80 MPH**



#### 79-8M0135654

SC1000 80 MPH speed gauge, gray face, glass lens. Fits 85mm dia. hole.

Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors
BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.
Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **BULK SPEEDOMETER -80 MPH**

#### 79-8M0135655

SC1000 80 MPH speed gauge, gray face, glass lens. Fits 85mm dia. hole.

gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support Priced individually, sold @ multiples of 24

#### **SPEEDOMETER - 50 MPH**



#### 79-8M0135651

SC1000 50 MPH speed gauge, gray face, glass lens. Fits 85mm dia. hole.

Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **TACHOMETER - 7K**



#### 79-8M0135645

SC1000 7000 RPM tach, gray face, glass lens. Fits 85mm dia. hole.

Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### **BULK TACHOMETER - 7K**

#### 79-8M0135646

SC1000 7000 RPM tach, gray face, glass lens. Fits 85mm dia. hole.

Gauge has RPM and Sppeed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support. BULK KIT contains 24 gauges

Priced individually, sold @ multiples of 24

#### **TACHOMETER - 4K**



#### 79-8M0135644

SC1000 4000 RPM tach, gray face, glass lens. Fits 85mm dia. hole.

Gauge has RPM and Speed based SmartTow. Features available on this gauge will depend on the individual engine model and its available sensors BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### SINGLE ENGINE TACHOMETER - 7K / SPEEDOMETER -80 MPK KIT



#### 79-8M0135648

One 7000 RPM tach and one 80 MPH speedometer. Contains speed and tach harnesses, air temp sensor and junction box for single engine application. Gray face and glass lens. Gauges have RPM and Speed based Smart Tow. Features available on these gauges will depend on the individual engine model and its available sensors.

BEZELS SOLD SEPARATELY. Work with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

# DUAL ENGINE TACHOMETER - 7K / SPEEDOMETER - 80 MPH KIT



#### 79-8M0135649

Two 7000 RPM tachs and one 80 MPH speedometer. Contains speed and tach harnesses, junction box and air temp sensor for dual engine application. Gray face and glass lens. Gauges have RPM and Speed based SmartTow. Features available on these gauges will depend on the individual engine model and its available sensors

BEZELS SOLD SEPARATELY. Works with all SmartCraft compatible engines. Software version 9.0 adds Active Trim, Active Exhaust and Oil Level Status support

#### SC1000 SYSTEM TACH/SPEED 85 MM BEZELS



#### **BEZEL**



#### 859074 1

Black

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors

#### 859074B 1

Black

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors Priced individually, sold @ multiples of 24

#### 859074 2

White

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors

#### 859074B 2

White

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors Priced individually, sold @ multiples of 24

#### 859074 3

Chrome

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors

#### 859074B 3

Chrome

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors Priced individually, sold @ multiples of 24

#### SC 100 GLASS LENS WHITE 52MM

SC100 System Link gauges allow you to monitor vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a plug-in connection. SC100 link gauges can be connected to a SC1000 System Tach, a MercMonitor or System Monitor



#### **COOLANT TEMPERATURE GAUGE**



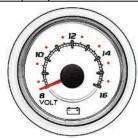
#### 79-8M0052863

Dual scale (English and Metric) temperature gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **VOLTAGE GAUGE (12 V)**



#### 79-8M0052864

Voltage gauge (8-16V), white face, glass lens. Fits a standard 2-1/8" (52mm) dia.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **VOLTAGE GAUGE (24 V)**

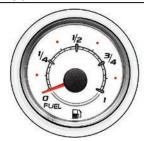


#### 79-8M0069412

Voltage gauge (16-32V), white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

#### **FUEL LEVEL GAUGE**



#### 79-8M0052865

Fuel Level Gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **FUEL LEVEL 2 GAUGE**



#### 79-8M0052866

Fuel Level 2 Gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **FUEL FLOW GAUGE**



#### 79-8M0069416

Dual scale fuel flow gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **WATER LEVEL GAUGE**



#### 79-8M0052867

Water Level Gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### WASTE LEVEL GAUGE



#### 79-8M0052868

Waste Level Gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **OIL PRESSURE GAUGE - 0-100 PSI**



#### 79-8M0052869

Dual scale (English and Metric) 0-100 psi oil pressure gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### OIL PRESSURE GAUGE - 0-150 PSI



#### 79-8M0069414

Dual scale (English and Metric) 0-150 psi oil pressure gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

#### **GEAR OIL PRESSURE GAUGE - 600 PSI**



#### 79-8M0069415

Dual scale (English and Metric) 600 psi oil pressure gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

#### TRANSMISSION OIL TEMPERATURE GAUGE



#### 79-8M0088771

Transmission oil temperature 120-300 degree F.
White face, glass lens. Fits a standard 2.125 inch (52mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.
BEZEL SOLD SEPERATELY. Typically used on diesel SmartCraft capable

#### **TRIM GAUGE**



#### 79-8M0052870

Trim gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### WATER PRESSURE GAUGE



#### 79-8M0052871

Dual scale (English and Metric) water pressure gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **RUDDER ANGLE GAUGE**



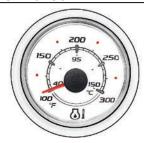
#### 79-8M0052872

Rudder Angle gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **OIL TEMPERATURE GAUGE**



#### 79-8M0054374

Dual scale (English and Metric) oil temperature gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **OIL LEVEL GAUGE**



#### 79-8M0052873

Oil Level gauge, white face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### SC 100 GLASS LENS BLACK 52 MM

SC100 System Link gauges allow you to monitor vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a plug-in connection. SC100 link gauges can be connected to a SC1000 System Tach, a MercMonitor or System Monitor.



#### **COOLANT TEMPERATURE GAUGE**



#### 79-8M0052842

Dual scale (English and Metric) coolant temperature gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **VOLTAGE GAUGE (12 V)**



#### 79-8M0052843

Voltage gauge (8-16V), black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **VOLTAGE GAUGE (24 V)**



#### 79-8M0069426

Voltage gauge (16-32V), black face, glass lens. Fits a standard 2-1/8" (52mm) dia.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

# **FUEL LEVEL GAUGE**



#### 79-8M0052844

Fuel Level gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

## **FUEL LEVEL 2 GAUGE**



#### 79-8M0052845

Fuel Level 2 gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

## WATER LEVEL GAUGE



# 79-8M0052846

Water Level gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **WASTE LEVEL GAUGE**



#### 79-8M0052847

Waste Level gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **OIL PRESSURE GAUGE - 0-80 PSI**



#### 79-8M0069427

Dual scale (English and Metric) 0-80 psi oil pressure gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

# **OIL PRESSURE GAUGE - 0-100 PSI**



# 79-8M0052848

Dual scale (English and Metric) 0-100 psi oil pressure gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.



# **OIL PRESSURE GAUGE - 0-150 PSI**



#### 79-8M0069428

Dual scale (English and Metric) 0-150 psi oil pressure gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

### **GEAR OIL PRESSURE GAUGE - 600 PSI**



#### 79-8M0069429

Dual scale (English and Metric) 600 psi oil pressure gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines.

# TRANSMISSION OIL TEMPERATURE GAUGE



#### 79-8M6002607

Transmission oil temperature 120-300 degree F. Black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Typically used on diesel SmartCraft capable engines.

# **TRIM GAUGE**



#### 79-8M0052849

Trim gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# WATER PRESSURE GAUGE



#### 79-8M0052850

Dual scale (English and Metric) water pressure gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **RUDDER ANGLE GAUGE**



## 79-8M0052851

Rudder Angle gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

# **OIL TEMPERATURE GAUGE**



#### 79-8M0054360

Dual scale (English and Metric) oil temperature gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

## **OIL LEVEL GAUGE**



#### 79-8M0052852

Oil Level gauge, black face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# SC 100 GLASS LENS GRAY 52 MM

SC100 System Link gauges allow you to monitor vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a plug-in connection. SC100 link gauges can be connected to a SC1000 System Tach, a MercMonitor or System Monitor.



#### **COOLANT TEMPERATURE GAUGE**



#### 79-8M0065962

Dual scale (English and Metric) temperature gauge, gray face, glass lens. Fits a standard  $2\text{-}1/8^{\text{m}}$  (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **VOLTAGE GAUGE**



#### 79-8M0065963

Voltage gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **FUEL LEVEL GAUGE**



# 79-8M0065970

Fuel Level Gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

# **FUEL LEVEL 2 GAUGE**



#### 79-8M0065971

Fuel Level 2 Gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **FUEL FLOW GAUGE**



#### 79-8M0069430

Dual scale fuel flow gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### WATER LEVEL GAUGE



# 79-8M0065972

Water Level Gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **WASTE LEVEL GAUGE**



#### 79-8M0065973

Waste Level Gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **OIL PRESSURE GAUGE**



#### 79-8M0065974

Dual scale (English and Metric) oil pressure gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **TRIM GAUGE**



## 79-8M0065975

Trim gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

# **WATER PRESSURE GAUGE**



#### 79-8M0065976

Dual scale (English and Metric) water pressure gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

### **RUDDER ANGLE GAUGE**



#### 79-8M0065977

Rudder Angle gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **OIL LEVEL GAUGE**



#### 79-8M0065979

Oil Level gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **OIL TEMPERATURE GAUGE**



#### 79-8M0065978

Dual scale (English and Metric) oil temperature gauge, gray face, glass lens. Fits a standard 2-1/8" (52mm) dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# SC 100 SYSTEM LINK GAUGE 52 MM BEZELS



#### **BEZEL**



# 879871 1

Black - 52 mm

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

#### 879871B 1

Black

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

## 879871 2

White - 52 mm

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

#### 879871B 2

White

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

#### 8M6002359

Chrome - 52 mm

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

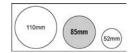
## 8M0032454

Chrome

Fits small 2.125 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

# SC 100 GLASS LENS WHITE 85 MM

SC100 System Link gauges allow you to monitor vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a plug-in connection. SC100 link gauges can be connected to a SC1000 System Tach, a MercMonitor or System



# **SPEEDOMETER**

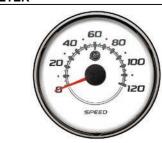


#### 79-8M0052874

80 MPH/KPH speed gauge, white face, glass lens. Fits 85mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **SPEEDOMETER**

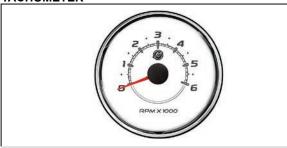


# 79-8M0069417

120 MPH/KPH speed gauge, white face, glass lens. Fits 85mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **TACHOMETER**



# 79-8M0069418

6000 RPM tach gauge, white face, glass lens. Fits 85 mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **TACHOMETER**



#### 79-8M0052875

7000 RPM tach gauge, white face, glass lens. Fits 85 mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **TACHOMETER**



#### 79-8M0069419

8000 RPM tach gauge, white face, glass lens. Fits 85mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# SC 100 GLASS LENS BLACK 85 MM

SC100 System Link gauges allow you to monitor vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a plug-in connection. SC100 link gauges can be connected to a SC1000 System Tach, a MercMonitor or System Monitor.



## **SPEEDOMETER**



## 79-8M0052853

80 MPH/KPH Speed gauge, black face, glass lens. Fits 85mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

# **TACHOMETER**



#### 79-8M0052854

7000 RPM Tach gauge, black face, glass lens. Fits 85mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

## **TACHOMETER**



#### 79-8M0069433

8000 RPM Tach gauge, black face, glass lens. Fits 85mm dia. hole.
Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# SC 100 GLASS LENS GRAY 85 MM

SC100 System Link gauges allow you to monitor vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a plug-in connection. SC100 link gauges can be connected to a SC1000 System Tach, a MercMonitor or System Monitor.



## **SPEEDOMETER**



## 79-8M0065980

80 MPH/KPH speed gauge, gray face, glass lens. Fits 85mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **SPEEDOMETER**



#### 79-8M0069459

120 MPH/KPH speed gauge, gray face, glass lens. Fits 85mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **TACHOMETER**



#### 79-8M0069460

6000 RPM tach gauge, gray face, glass lens. Fits 85mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **TACHOMETER**



## 79-8M0065981

7000 RPM tach gauge, gray face, glass lens. Fits 85 mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

# **TACHOMETER**



#### 79-8M0069461

8000 RPM tach gauge, gray face, glass lens. Fits 85mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# SC 100 SYSTEM LINK GAUGE 85 MM BEZELS



# **BEZEL 85 MM**



# 879872 1

Black

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

## 879872B 1

Black

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

## 879872 2

White

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

# 879872B 2

White

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

# 879872 3

Chrome

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

#### 879872B 3

Chrome

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

# SC 100 GLASS LENS WHITE 110 MM

SC100 System Link gauges allow you to monitor vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a plug-in connection. SC100 link gauges can be connected to a SC1000 System Tach, a MercMonitor or System Monitor.



# **SPEEDOMETER**



#### 79-8M0052878

80 MPH/KPH speed gauge, white face, glass lens. Fits a 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **TACHOMETER**



#### 79-8M0069431

8000 RPM tach gauge, white face, glass lens. Fits 110mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

## **TACHOMETER**



#### 79-8M0052877

7000 RPM tach gauge, white face, glass lens. Fits a 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

# **TACHOMETER**



#### 79-8M0052876

4000 RPM tach gauge, white face, glass lens. Fits 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **TACHOMETER (NO LOGO)**

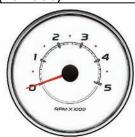


#### 79-8M0069424

4000 RPM Tach gauge, no logo, white face, glass lens. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

#### **TACHOMETER (NO LOGO)**



#### 9-8M0069432

5000 RPM Tach gauge, no logo, white face, glass lens. Fits 110mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

# 4 IN 1 GAUGE (12 V)



#### 79-8M0052879

4 in 1 gauge, white face, glass lens. Oil pressure (0-100 psi), oil temperature, voltage (12V), and fuel level functions. Fits 110mm hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### 4 IN 1 GAUGE (12 V) NO LOGO

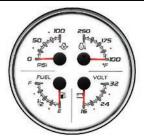


#### 79-8M0069423

4 IN 1 gauge, no logo, white face, glass lens. Oil pressure (0-100 psi), oil temperature, voltage (12V), and fuel level functions. Fits 110mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

# 4 IN 1 GAUGE (24 V) NO LOGO



## 79-8M0069422

4 IN 1 gauge, no logo, white face, glass lens. Oil pressure (0-100 psi), oil temperature, voltage (24V), and fuel level functions. Fits 110mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

# SC 100 GLASS LENS BLACK 110 MM

SC100 System Link gauges allow you to monitor vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a plug-in connection. SC100 link gauges can be connected to a SC1000 System Tach, a MercMonitor or System Monitor.



# **SPEEDOMETER**



#### 79-8M0052857

80 MPH/KPH speed gauge, black face, glass lens. Fits 110mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **TACHOMETER**



# 79-8M0052856

7000 RPM Tach gauge, black face, glass lens. Fits 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **TACHOMETER**



#### 79-8M0052855

4000 RPM Tach gauge, black face, glass lens. Fits 110mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **TACHOMETER (NO LOGO)**



#### 79-8M0069438

4000 RPM Tach gauge, no logo, black face, glass lens. Fits 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

# 4 IN 1 GAUGE (12 V)



#### 79-8M0052858

4 in 1 gauge, black face, glass lens. Oil pressure (0-100 psi), oil temperature, voltage (12V), and fuel level functions. Fits 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### 4 IN 1 GAUGE (12 V) NO LOGO



#### 79-8M0069437

4 IN 1 gauge, no logo, black face, glass lens. Oil pressure (0-100 psi), oil temperature, voltage (12V), and fuel level functions. Fits 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

# 4 IN 1 GAUGE (24 V) NO LOGO



#### 79-8M0069436

4 IN 1 gauge, no logo, black face, glass lens. Oil pressure (0-100 psi), oil temperature, voltage (24V), and fuel level functions. Fits 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPERATELY. Used on all SmartCraft capable engines

# SC 100 GLASS LENS GRAY 110 MM

SC100 System Link gauges allow you to monitor vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a plug-in connection. SC100 link gauges can be connected to a SC1000 System Tach, a MercMonitor or System Monitor.



# **SPEEDOMETER**



#### 79-8M0065984

80 MPH/KPH speed gauge, gray face, glass lens. Fits a 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **SPEEDOMETER**



# 79-8M0069463

65 MPH/KPH speed gauge, gray face, glass lens. Fits a 110mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# **TACHOMETER**



#### 79-8M0069462

8000 RPM tach gauge, gray face, glass lens. Fits a 110mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### **TACHOMETER**



#### 79-8M0065983

7000 RPM tach gauge, gray face, glass lens. Fits a 110mm dia. hole. Application of this gauge will depend on the individual engine model and its available sensors.

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

#### 4 IN 1 GAUGE



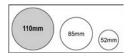
#### 79-8M0065985

 $4\ in\ 1$  gauge, gray face, glass lens. Oil pressure (0-100 psi), oil temperature, voltage (12V), and fuel level functions. Fits 110mm dia. hole.

Application of this gauge will depend on the individual engine model and its available sensors

BEZEL SOLD SEPARATELY. Works with all SmartCraft compatible engines.

# SC 100 SYSTEM LINK- 110MM -BEZEL/MOUNTING HARDWARE



#### **BEZEL**



#### 879949 1

Black

Fits large 4-5/16" (110 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

#### 879949 2

White

Fits large 4-5/16" (110 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

#### 879949B 2

White

Fits large 4-5/16" (110 mm) O.D. SC100 System Link gauges. BULK KIT - Priced individually, sold @ multiples of 24

Priced individually, sold @ multiples of 24

#### 879949 3

Chrome

Fits large 4-5/16" (110 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

#### 879949B 3

Chrome

Fits large 4-5/16" (110 mm) O.D. SC100 System Link gauges. BULK KIT - Priced individually, sold @ multiples of 24

Priced individually, sold @ multiples of 24

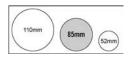
#### **RETAINING NUT**



Fits large 4-5/16" (110 mm) SmartCraft System gauges. Priced individually, sold @ multiples of 2

# MERCMONITOR WITH ACTIVE TRIM SUPPORT AND N2K GATEWAY

MercMonitor fits in a standard SmartCraft SC1000 gauge 85 mm hole and provides constant coverage of temperature, oil level, oil pressure, water pressure, fuel level, battery voltage and other major engine systems. Easily switches among the modes of RPM, fuel range in miles and kilometers, fuel flow in gallons and liters, water depth (with use of SmartCraft transducer), engine trim and engine hours. Latest MercMonitor products support Active Trim interface. NMEA Gateway functionality comes in three different levels depending on the amount of data you want to transmit to the NMEA2000 network. This product also comes in Smart Tow versions, for use with Gen I (2007) and newer DTS engines.



#### MERCMONITOR NMEA 2000 DATA LEVEL 1 KIT



#### 79-8M0135536

MercMonitor Base verion has full SmartCraft functionality and will display all information that is available on selected SmartCraft engines. Includes Active Trim interface and NMEA2000 gateway Level 1. Other features include Tri-Color LED which allows user to pick backlight and button color. Screens include customizable favorites, descriptive fault text (Gen I (2007) and newer engines only), speed, depth and much more. Three bezels included.

Software version 9.0 adds Active Trim, Active Exhaust, and Oil Level Status support

# MERCMONITOR NMEA 2000 DATA LEVEL 2 SMARTTOW RPM KIT



#### 79-8M0135617

MercMonitor RPM SmartTow has full SmartCraft and SmartTow RPM functionality. SmartTow allows you to launch your boat using RPM profiles ONLY. Will display all information that is available on selected SmartCraft engines. Includes Active Trim interface and NMEA2000 gateway Level 2. Other features include Tir-Color LED which allows user to pick backlight and button color from menu. Screens include customizable favorites, descriptive fault text (Gen I (2007) and newer engines only), speed, depth and much more. Three bezels included.

Software version 9.0 adds Active Trim, Active Exhaust, and Oil Level Status support

# MERCMONITOR NMEA 2000 DATA LEVEL 3 SMARTTOW PRO KIT



#### 79-8M0135618

MercMonitor Gateway level 3 has full SmartCraft and SmartTow PRO functionality (GPS Antenna INCLUDED). SmartTow Pro software allows you to launch your boat using SPEED and RPM profiles. Will display all information that is available on selected SmartCraft engines. Includes Active Trim interface and NMEA2000 multi-engine gateway Level 3. Other features include Tri-Color LED which allows user to pick backlight and button color from menu. Screens include customizable favorites, descriptive fault text (Gen I (2007) and newer engines only), speed, depth and much more. Three bezels included.

Software version 9.0 adds Active Trim, Active Exhaust, and Oil Level Status support

# MERCMONITOR NMEA 2000 DATA LEVEL 3 GATEWAY PREMIER KIT



## 79-8M0135619

MercMonitor Gateway Premier Kit has full SmartCraft and SmartTow RPM functionality. SmartTow allows you to launch your boat using RPM profiles ONLY. Will display all information that is available on selected SmartCraft engines. Includes Active Trim interface and NMEA2000 multi-engine gateway Level 3. Other features include Tri-Color LED which allows user to pick backlight and keybutton color from menu to match other gauges on vessel. Screens include customizable favorites, descriptive fault text (Gen I (2007) and newer engines only), speed, depth and much more. Three bezels included.

Software version 9.0 adds Active Trim, Active Exhaust, and Oil Level Status support

# **MERCMONITOR - NO NMEA 2000**



#### 79-8M0119406

Software version 4.602 has full SmartCraft functionality (INCLUDING ECO SCREEN) and will display all information that is available on selected SmartCraft engines. Includes Tri-Color LED which allows user to pick backlight and button color from menu. Screens include customizable favorites, descriptive fault text (Gen I (2007) and newer engines only), speed, depth and much more. Does not Include NMEA2000 Gateway functionality and does not include SmartTow or Cruise. Three bezels included.

Fits 2002 and newer OptiMax Outboards, V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product. Does not support NMEA2000, Universal Fault Codes or the latest Tab module.

# SC1000 SYSTEM MONITOR (85MM)



# SMARTCRAFT SC1000 SYSTEM MONITOR-ROUND/ BLACK



#### 79-892219K19

Front mount. Uses a 85 mm dia. hole. Delivers an alarm on battery, water pressure and oil pressure. May provide additional information on fuel consumption, fuel range, engine hours, coolant temperature and engine trim depending on engine type and its sensors.

Works with all SmartCraft compatible engines.

# SMARTCRAFT SC1000 SYSTEM MONITOR-ROUND/WHITE



# 79-892219K20

Front mount. Uses a 85mm dia. hole. Delivers an alarm on battery, water pressure and oil pressure. May provide additional information on fuel consumption, fuel range, engine hours, coolant temperature and engine trim depending on engine type and its sensors.

Works with all SmartCraft compatible engines.

# **SC1000 SYSTEM MONITOR (52MM)**



# **SMARTCRAFT SC1000 SYSTEM MONITOR**



#### 79-879896K21

Front mount. Uses a 52mm dia. hole. Delivers an alarm on battery, water pressure and oil pressure. May provide additional information on fuel consumption, fuel range, engine hours, coolant temperature and engine trim depending on engine type and its sensors.

Works with all SmartCraft compatible engines.

#### **SMARTCRAFT SC1000 SYSTEM MONITOR**



#### 79-879896K19

Rear mount. Uses a custom rectangular hole and two oblong holes for mounting. Mounts from behind the dash panel and only the LCD and control buttons protrude. Hole dimensions are available in the SmartCraft Product Guide. Delivers an alarm on battery, water pressure and oil pressure. May provide additional information on fuel consumption, fuel range, engine hours, coolant temperature and engine trim depending on engine type and its sensors.

Works with all SmartCraft compatible engines.

# **SC1000 SYSTEM MONITOR BEZELS**

# **BEZEL MONITOR**



# 8M6003662

Fits SC1000 System Monitor (Square)

# **BEZEL MONITOR**



#### 8M6003663

White

Fits SC1000 System Monitor (Square)

# **MERCURY GATEWAY**

#### **MERCURY NMEA2000 SMARTCRAFT GATEWAY**

Image not Available.

#### 98-8M0151748

The Mercury NMEA2000 SmartCraft Gateway converts Mercury engine and system data to NMEA 2000 for use on non-Mercury gauges and displays for 1 to 4 engines. It also converts applicable NMEA2000 data to SmartCraft data for display by applicable SmartCraft gauges and displays. Includes a NMEA 2000 "T connector for quick installation.

Any instance where SmartCraft data is desired on the NMEA2000 bus. Applies to single through quad engine applications. Not required when a MercMonitor, VesselView Link or VesselView403, 502, 703 or 903 are being used.

# QUINT ENGINE GATEWAY MODULE

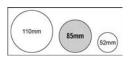


# 84-8M0141104

Can P module for quint engine applications

# SC1000 SMART TOW TACH/SPEED (85MM) PLASTIC LENS GRAY FACE/BLACK BEZEL **GAUGES**

This section lists all of the SC1000 Products that are capable of Smart Tow RPM based and Speed based functionality. The Smart Tow products will work with all DTS engines Gen 1 (2007) and newer. Includes DTS Mercruiser and DTS Outboard. These gauges will NOT work with the 150 4 stroke Maintenance feature. (150 4 Stroke is a Mechanical engine. SmartTow works with DTS engines only.)



# **SC1000 SMART TOW PRO - SPEED BASED**



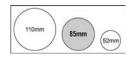
#### 79-879169K13

0 - 80 MPH. Gray face and black bezel with black numerals. Smart Tow Pro includes five profiles that allows customized launch control plus 10 additional user customizable profiles that can be named. Kit includes GPS sensor. Great for ski market and weekend sport enthusiast. New descriptive text fault displayed for easier problem recognition. Users will find profiles are programmed from soft to aggressive launch. Just hit the throttle and let the gauge do the rest.

Can be used with Gen I (2007) engines and newer. \*Must be used with SC1000 System Tach Version 4.0 Gauge software and newer (version is found on back of gauge)

# SC1000 SMART TOW TACH/SPEED (85MM) PLASTIC LENS WHITE FACE/CHROME BEZEL

This section lists all of the SC1000 gauges that are capable of Smart Tow RPM based and Speed based functionality. The Smart Tow products will work with all DTS engines Gen 1 (2007) and newer. Includes DTS Mercruiser and DTS Outboard. SmartTow Gauges come in Plastic Lenses only. These gauges will NOT work with the 150 4 stroke Maintenance feature. (See Glass and Grey Plastic SC1000 products for this functionality.)



#### SC1000 SMART TOW PRO - SPEED BASED



#### 79-879169K14

0 - 80 MPH. White face and Chrome bezel with black numerals. Smart Tow Pro includes five profiles that allows customized launch control plus 10 additional user customizable profiles that can be named. Kit includes GPS sensor. Great for ski market and weekend sport enthusiast. New descriptive text fault displayed for easier problem recognition. Users will find profiles are programmed from soft to aggressive launch. Just hit the throttle and let the gauge do the rest.

Can be used with Gen I (2007) engines and newer. \*Must be used with SC1000 System Tach Version 4.0 Gauge software and newer (version is found on back of gauge)

# SC1000 SYSTEM TACH/SPEED 85 MM BEZELS



#### **BEZEL**



#### 859074 1

Black

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors

#### 859074B 1

Black

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors Priced individually, sold @ multiples of 24

#### 859074 2

White

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors

#### 859074B

White

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors Priced individually, sold @ multiples of 24

#### 859074 3

Chrome

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors

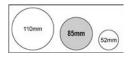
#### 859074B 3

Chrome

Fits large 3-3/8 in.(85 mm) O.D. SC1000 System gauges and MercMonitors Priced individually, sold @ multiples of 24

# SC1000 SYSTEM TACH/SPEED (85 MM) PLASTIC LENS BLACK FACE/CHROME BEZEL GAUGES

Tach displays engine rpm, voltage, water pressure, engine temperature, engine hours, trim, fuel flow rate in gallons or liters, and much more! Speedometer displays boat speed, clock, fuel level, oil level, mpg, gps course, water & air temp., engine synchronizer, and much more! Meters display engine alarm conditions with information on the severity of the problem. Analog and LCD readout. Gauges each require a 3-3/8 in.(85 mm) hole in the dash. These gauges will NOT work with the 150 4 stroke Maintenance feature. (See Glass and Grey Plastic SC1000 products for this functionality.)



#### **SC1000 SYSTEM SPEEDOMETER**



#### 79-889223K25

0-50 MPH. Contains System Speedometer air temp sensor and system speedometer harness. Black face with white numerals. Descriptive text fault displayed for easier problem recognition. (descriptive text is displayed on all SmartCraft engines Gen I (2007) and newer. Including Mercruiser and Outboard.)

Fits 2002 and newer SmartCraft compatible Outboards, SmartCraft compatible MerCruiser and SmartCraft compatible Mercury Racing product.

# SC 100 SYSTEM LINK (52MM) PLASTIC LENS GRAY FACE/BLACK BEZEL GAUGES

Easily read analog System Link gauges allow you to track vital engine and boat functions with digital accuracy. Furnished with a fog proof lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a one wire plug-in connection.



# SC 100 SYSTEM LINK ENGINE TEMPERATURE GAUGE



# 79-879907K 1

Metric version engine temperature gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK OIL TEMPERATURE GAUGE



#### 79-879908K 1

English version oil temperature gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK OIL TEMPERATURE GAUGE



#### 79-879909K 1

Metric version oil temperature gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia hole

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK OIL PRESSURE GAUGE



#### 79-879917K 1

Metric version oil pressure gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia.

# SC 100 SYSTEM LINK OIL LEVEL GAUGE



#### 79-879911K 1

Oil level gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK FUEL FLOW GAUGE



#### 79-879912K 1

English version fuel flow gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK FUEL FLOW GAUGE



## 79-879913K 1

Metric version fuel flow gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK RUDDER ANGLE GAUGE



#### 79-879915K 1

Steering gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK WATER PRESSURE GAUGE



#### 79-879919K 1

Metric version water pressure gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK VOLTAGE GAUGE



## 79-879921K 1

Voltage gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MercTruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK WATER LEVEL GAUGE



#### 79-879922K 1

Water level gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK WASTE LEVEL GAUGE



#### 79-879923K 1

Waste level gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK ENGINE SYNCHRONIZER GAUGE



#### 79-879924K 1

Engine synchronizer gauge, gray face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK (52MM) PLASTIC LENS WHITE FACE/CHROME BEZEL GAUGES

Easily read analog System Link gauges allow you to track vital engine and boat functions with digital accuracy. Furnished with a fog resistant lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a one wire plug-in connection. SC100 link gauges require a master gauge such as an SC1000 System Tach, a MercMonitor, or a System Monitor in order to function. These gauges have chrome bezels.



# SC 100 SYSTEM LINK OIL TEMPERATURE GAUGE



#### 79-879908K31

English version oil temperature gauge, white face with Chrome Bezel. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK FUEL FLOW GAUGE



# 79-879912K31

English version fuel flow gauge, white face with Chrome Bezel. Fits a standard 2-1/8 in. (52 mm) dia. hole.

# SC 100 SYSTEM LINK RUDDER ANGLE GAUGE



#### 79-879915K31

Steering gauge, white face/chrome bezel. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK OIL PRESSURE GAUGE



#### 79-879916K31

English version oil pressure gauge, white face with Chrome Bezel. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK (52MM) PLASTIC LENS WHITE FACE/WHITE BEZEL GAUGES

Easily read analog System Link gauges allow you to track vital engine and boat functions with digital accuracy. Furnished with a fog proof lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a one wire plug-in connection.



#### SC 100 SYSTEM LINK ENGINE TEMPERATURE GAUGE



#### 79-879920K11

English version engine temperature gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK ENGINE TEMPERATURE GAUGE



#### 79-879907K11

Metric version engine temperature gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK OIL TEMPERATURE GAUGE



#### 79-879908K11

English version oil temperature gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

# SC 100 SYSTEM LINK OIL TEMPERATURE GAUGE



#### 79-879909K11

Metric version oil temperature gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia hole

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK OIL PRESSURE GAUGE



#### 79-879916K11

English version oil pressure gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia hole

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK OIL PRESSURE GAUGE



#### 79-879917K11

Metric version oil pressure gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK FUEL FLOW GAUGE



#### 79-879912K11

English version fuel flow gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia. hole

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK TRIM GAUGE



#### 79-879914K11

Trim gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK RUDDER ANGLE GAUGE



## 79-879915K11

Steering gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK VOLTAGE GAUGE



#### 79-879921K11

Voltage gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK WATER LEVEL GAUGE



#### 79-879922K11

Water level gauge, white face. Fits a standard 2-1/8" (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK WASTE LEVEL GAUGE



# 79-879923K11

Waste level gauge, white face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK (52MM) PLASTIC LENS BLACK FACE/CHROME BEZEL GAUGES



#### SC 100 SYSTEM LINK TRIM GAUGE



#### 79-879914K21

Trim gauge, Black face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK VOLTAGE GAUGE



#### 79-879921K21

Voltage gauge 8-16 volts, Black face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK ENGINE COOLANT TEMP GAUGE



#### 79-879920K21

English version engine coolant temperature gauge 100-250 F/40-120 C dual scale, Black face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

#### SC 100 SYSTEM LINK FUEL LEVEL GAUGE



#### 79-879910K21

Fuel level gauge with 0, 1/4, 1/2, 3/4, 1 increments, Black face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK OIL PRESSURE GAUGE



#### 79-879916K21

English version oil pressure gauge 0-80 psi/0-5 bar dual scale, Black face. Fits a standard 2-1/8 in. (52 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK RUDDER ANGLE GAUGE



#### 79-879915K21

individual engine model and its available sensors.

Steering gauge, black face. Fits a standard 2-1/8 in. (52 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the

# SC 100 SYSTEM LINK (85MM) PLASTIC LENS WHITE FACE/WHITE BEZEL GAUGES

Easily read analog System Link gauges allow you to track vital engine and boat functions with digital accuracy. Furnished with a fog proof lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a one wire plug-in connection.



## **SC 100 SYSTEM LINK SPEEDOMETER**



#### 79-879906K11

120 (mph or km/h) speedometer, white face. Fits in a standard 3-3/8" (85 mm) dia.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# **SC 100 SYSTEM LINK SPEEDOMETER**



#### 79-879905K11

80 (mph or km/h) speedometer, white face. Fits in a standard 3-3/8" (85 mm) dia.

## **SC 100 SYSTEM LINK TACHOMETER**



#### 79-879903K11

8,000 RPM tachometer, white face. Fits in a standard 3-3/8" (85 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK TACHOMETER



#### 79-879904K11

6,000 RPM tachometer, white face. Fits in a standard 3-3/8" (85 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK (85MM) PLASTIC LENS GRAY FACE/BLACK BEZEL GAUGES

Easily read analog System Link gauges allow you to track vital engine and boat functions with digital accuracy. Furnished with a fog proof lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a one wire plug-in connection.



# **SC 100 SYSTEM LINK SPEEDOMETER**



#### 79-879906K 1

120 (mph or km/h) speedometer, gray face. Fits in a standard 3-3/8" (85 mm) dia.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# **SC 100 SYSTEM LINK TACHOMETER**



#### 79-879903K 1

8,000 RPM tachometer, gray face. Fits in a standard 3-3/8" (85 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### **SC 100 SYSTEM LINK TACHOMETER**



#### 79-879904K 1

6,000 RPM tachometer, gray face. Fits in a standard 3-3/8" (85 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK (85MM) PLASTIC LENS BLACK FACE/CHROME BEZEL GAUGES



# SC 100 SYSTEM LINK SPEEDOMETER



#### 79-879905K21

80 (mph or km/h) speedometer, Black face. Fits in a standard 3-3/8" (85 mm) dia.

# **SC 100 SYSTEM LINK TACHOMETER**

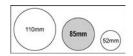


#### 79-879903K21

8,000 RPM tachometer, Black face. Fits in a standard 3-3/8" (85 mm) dia. hole. Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK (110 MM) PLASTIC LENS WHITE FACE/WHITE BEZEL GAUGES

Easily read analog System Link gauges allow you to track vital engine and boat functions with digital accuracy. Furnished with a fog proof lens, these gauges can be "daisy chain" interfaced between other SmartCraft products using a one wire plug-in connection.



# **SC 100 SYSTEM LINK SPEEDOMETER**



## 79-879945K11

80 (mph or km/h) speedometer, white face, large display. Fits in a 4-5/16" (110 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# **SC 100 SYSTEM LINK SPEEDOMETER**



#### 79-879944K11

 $65\ (mph\ or\ km/h)$  speedometer, white face, large display. Fits in a 4-5/16" (110 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK TACHOMETER



#### 79-879943K11

8,000 RPM tachometer, white face, large display. Fits in a 4-5/16" (110 mm) dia.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

#### SC 100 SYSTEM LINK TACHOMETER

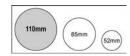


#### 79-879942K11

6,000 RPM tachometer, white face, large display. Fits in a 4-5/16" (110 mm) dia. hole.

# SC 100 SYSTEM LINK (110MM) PLASTIC LENS BLACK FACE/CHROME BEZEL GAUGES

Easily read analog System Link gauges allow you to track vital engine and boat functions with digital accuracy. Can be easily interfaced to SmartCraft products. New larger size to make information easier to read. Fits in a 4-5/16 " (110MM) dia. Hole.



#### **SC 100 SYSTEM LINK SPEEDOMETER**



#### 79-879944K21

50 (mph or km/h) speedometer, Black Chrome Bezel, large display. Fits in a 4-5/16" (110 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors. Gen I will have descriptive fault text available on gauge.

#### SC 100 SYSTEM LINK MULTIFUNCTION GAUGE



# 79-879946K21

Combination water temperature, oil pressure, voltage and fuel gauge. Black face, large display. Fits in a 4-5/16" (110 mm) dia. hole.

Fits 2001 and newer OptiMax Outboards, 2002 and newer V-6 EFI, 30-60 EFI 4-Stroke, all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Application of this gauge will depend on the individual engine model and its available sensors.

# SC 100 SYSTEM LINK GAUGE 52 MM BEZELS



#### **BEZEL**



#### 879871 1

Black - 52 mm

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

#### 879871B 1

Black

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

#### 879871 2

White - 52 mm

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

# 879871B 2

White

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

#### 8M6002359

Chrome - 52 mm

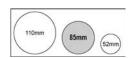
Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

## 8M0032454

Chrome

Fits small 2.125 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

# SC 100 SYSTEM LINK GAUGE 85 MM BEZELS



# **BEZEL 85 MM**



#### 879872 1

Black

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

## 879872B 1

Black

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

#### 879872 2

White

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2  $\,$ 

# 879872B 2

White

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

#### 879872 3

Chrome

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

#### 879872B 3

Chrome

Fits large 3-3/8 in.(85 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 24

# SMARTCRAFT SYSTEM GAUGE AND MONITOR RETAINING NUTS

#### **RETAINING NUT**



# 11-879900

Fits small 2-1/8 in.(52 mm) SmartCraft System gauges and monitor. Priced individually, sold @ multiples of 2

# **RETAINING NUT**



#### 11-859073

Fits large 3-3/8 in.(85 mm) SmartCraft System gauges. Priced individually, sold @ multiples of 2

# **RETAINING NUT - REAR MOUNT**



#### 11-879902

Nut includes tabs to allow gauge to be mounted from the rear of dash panel. Fits small 2-1/8 in.(52 mm) SmartCraft System gauges and monitor. Priced individually, sold @ multiples of 2

# **RETAINING NUT**



#### 11-879950

Fits large 4-5/16" (110 mm) SmartCraft System gauges. Priced individually, sold @ multiples of 2

# **RETAINING NUT**



#### 11-879900B 1

Fits small 2-1/8 in.(52 mm) SmartCraft System gauges and monitor. Priced individually, sold @ multiples of 24

#### **RETAINING NUT**



# 11-859073B 1

Fits large 3-3/8 in.(85 mm) SmartCraft System gauges. Priced individually, sold @ multiples of 24

# **RETAINING NUT**



#### 11-879950B 1

Fits large 4-5/16" (110 mm) SmartCraft System gauges. Priced individually, sold @ multiples of 24

#### **GAUGE SEAL**



#### 12-879925

Fits small 2-1/8 in.(52 mm) SmartCraft System gauges and monitor. Priced individually, sold @ multiples of 2

#### **GAUGE SEAL**



#### 12-859656

Fits small 3-3/8 in.(85 mm) SmartCraft System gauges. Priced individually, sold @ multiples of 2

# **SMARTCRAFT GAUGE HOUSING**



## 8M0099412

Housing for when you want to install a SmartCraft gauge in an application without a dash (primarily tiller applications), typically to the gunnel or transom.

Any 85 mm SmartCraft gauge (System Tach, System Speed, MercMonitor, SC100 link gauges). This is the housing only, gauge and harness required and sold separately

# **ANALOG GAUGE INTERFACE KITS**

# **DTS ENGINE - ANALOG GAUGE HARNESS**



#### 84-8M0095716

An analog gauge harness (15 feet) specific for DTS engines that is more cost effective than the AGI (Analog Gauge Interface) solution

DTS versions of 4.5L/6.2L MerCruiser engines only

#### 84-8M0095826

An analog gauge harness (20 feet) specific for DTS engines that is more cost effective than the AGI (Analog Gauge Interface) solution

DTS versions of 4.5L/6.2L MerCruiser engines only

#### 84-8M0095827

An analog gauge harness (25 feet) specific for DTS engines that is more cost effective than the AGI (Analog Gauge Interface) solution

DTS versions of 4.5L/6.2L MerCruiser engines only

#### 84-8M0095828

An analog gauge harness (30 feet) specific for DTS engines that is more cost effective than the AGI (Analog Gauge Interface) solution

DTS versions of 4.5L/6.2L MerCruiser engines only

# **SMARTCRAFT RIGGING AND CONVERSION KITS**

# **CONVERSION KIT - SMARTCRAFT SENSORS**



### 889250K01

New kit that allows you to use SmartCraft gauges on these engines Gen II (2007) 75 HP - 115 HP 4 stroke 1.7L engines

## **ANALOG TO DIGITAL CONVERSION KIT**



#### 859648A 2

Converts an analog to a digital OptiMax. Contains the sensors, harnesses and instructions needed.

Fits 2000 and newer OptiMax 2.5L engines.

# ANALOG TO DIGITAL CONVERSION KIT



#### 859649A 2

Converts an analog to a digital OptiMax. Contains the sensors, harnesses and instructions needed

Fits 2000 OptiMax 3.0L engines.

#### **OPTIMAX MY2001 ANALOG RIGGING KIT**



#### 8M0078157

Contains necessary components allowing a digital OptiMax to operate analog speedometer, tachometer and water pressure gauges.

Fits OptiMax engines, model year 2001 and newer.

# **SMARTCRAFT RIGGING KIT**



#### 8M0056278

Kit contains the following:

1257- 8742A21 Oil Tanks with Oil Senders (2)

859223 Speed/Temperature Sensor (1)
84-859743T 1 Haness to oil, fuel and paddle wheel (2)
84-879981T30 SC1000R-30, 30 ft. (9.1 meter) Data Harnesses (2)
878492A16, 6-Plug J Box (1)

859318T 2 Weather Caps (2) 881175A 1 Male Connector Cap (1) 881176A 1 Female Connector Cap (1)

For dual application. Fits 2001-2005 OptiMax Outboards, 2002-2005 V-6 EFI Outboards and Pro Max Mercury Racing Outboards (when equipped with the 555 Electronic Control Module). The oil tank bracket may only be used as a floor mounted application.

#### SMARTCRAFT RIGGING PREP KIT FOR OPTIMAX -SINGLE

#### 8M0056277

Kit contains the following:

1257- 8742A21 Oil Tank with Oil Sender (1) Harness to oil, fuel and paddle wheel (1)
84-859743T03 Boat harness for oil and fuel
Removed the 84-879982A30 from the kit. When using the 14 pin harness for non
DTS, this data harness is no longer required. (Ref 84-896537\_\_\_\_ engine to helm harness)

Fits 2006 OptiMax Outboards, 2006 V-6 EFI Outboards and Pro Max Mercury Racing Outboards (when equipped with the 555 Electronic Control Module). The oil tank bracket may only be used as a floor mounted application.

#### SMARTCRAFT RIGGING PREP KIT FOR OPTIMAX -SINGLE



#### 8M0056275

Kit contains the following:

1257- 8742A21 Oil Tank with Oil Sender (1) 84-879982A30 30 ft 2RSL SmartCraft Harness (1) 84-859743A 1 Harness Asy - Boat

Fits 2006 OptiMax Outboards, 2006 V-6 EFI Outboards and Pro Max Mercury Racing Outboards (when equipped with the 555 Electronic Control Module). The oil tank bracket may only be used as a floor mounted application.

#### SMARTCRAFT RIGGING PREP KIT FOR OPTIMAX -SINGLE



# 8M0056276

Kit contains the following:

1257- 8742A21 Oil Tank with Oil Sender (1) 79-8M0034627 SC1000 SystemMonitor 84-879982A30 30 foot @RSL SmartCraft Harness

Fits 2006 OptiMax Outboards, 2006 V-6 EFI Outboards and Pro Max Mercury Racing Outboards (when equipped with the 555 Electronic Control Module). The oil tank bracket may only be used as a floor mounted application.

# SMARTCRAFT ENGINE DATA KIT



#### 8M0056279

Kit contains the following:
1257- 8742A22 Oil Tank without Oil Sender (1)
79-879896K21 Front Mount SC1000 System Monitor
Data Harness removed for 2006 (84-879982A30) - use new 14 pin harness with
84-896537 series which eliminates the data harness - 10 pin is part of primary engine to helm harness

The oil tank bracket may only be used as a floor mounted application. Fits 2006 and newer OptiMax Outboards when using new 14 pin harness

#### REMOTE 3.0 US GAL (11 L) OIL TANK



#### 1257- 8742A21

Remote 3.0 US gal (11 L) Oil Tank with sender, complete with tank, lines, floor mounting bracket and all hardware.

# REMOTE 3.0 US GAL (11 L) OIL TANK



#### 1257- 8742A22

Remote 3.0 US gal (11 L) Oil Tank without sender, complete with tank, lines, floor mounting bracket and all hardware.

Optional tank size for Mercury/Mariner 2 cycle outboards, to be used wherever a pressurized oil reservoir system is already in use. This tank and bracket assembly is only used in floor mounted applications.

# REMOTE 3.0 US GAL (11 L) OIL TANK



#### 1257- 8742A23

Remote 3.0 US gal (11 L) Oil Tank without sender, complete with tank, lines, mounting bracket and all hardware. Old Bracket Design

Optional tank size for Mercury/Mariner 2 cycle outboards, to be used wherever a pressurized oil reservoir system is already in use. This tank and bracket assembly may be optionally floor or wall mounted.

#### REMOTE 3.0 US GAL (11 L) OIL TANK



#### 1257- 8742A24

Remote 3.0 US gal (11 L) Oil Tank with sender, complete with tank, lines, floor mounting bracket and all hardware. Old Bracket Design

Optional tank size for Mercury/Mariner 2 cycle outboards, to be used wherever a pressurized oil reservoir system is already in use. This tank and bracket assembly may be optionally floor or wall mounted.

#### REMOTE OIL TANK KIT



# 1257- 8742A25

Includes remote oil tank, lines, fittings and hardware to convert to a pressurized remote 2 cycle oil tank system.

Fits Mercury/Mariner 75,90,115 hp (1.5L) OptiMax outboards, model year 2004 and

# **ANALOG INSTRUMENTS**

# INSTRUMENT SETS - FLAGSHIP PLUS BLACK FACE FAMILY

Visit the Flagship Plus Black Face Family Gauges section for individual details. All tachometers and speedometers fit a standard 3-3/8 in. (85 mm) diameter hole. All other gauges fit a 2-1/8 in. (54 mm) diameter hole.



# **INSTRUMENT SETS - FLAGSHIP PLUS WHITE FACE FAMILY**

Visit the Flagship Plus White Face Family Gauges section for individual details. All tachometers and speedometers fit a standard 3-3/8 in. (85 mm) diameter hole. All other gauges fit a 2-1/8 in. (54 mm) diameter hole.

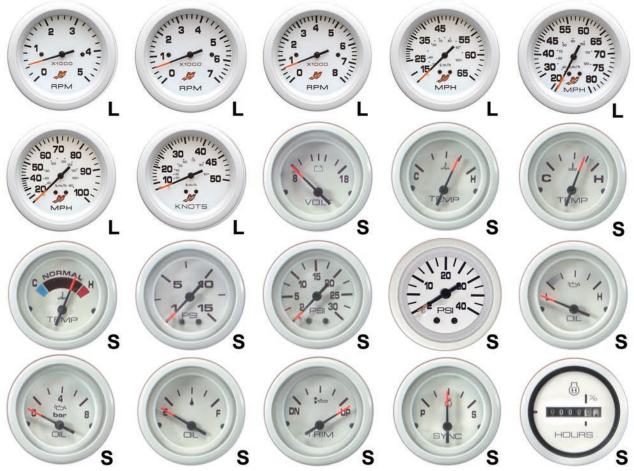






L - Large Face All speed measurement and tachometer gauges

S - Small Face All other gauges



# INSTRUMENT SETS - FLAGSHIP PLUS WHITE FACE/CHROME

Visit the Flagship Plus White Face with Chrome Bezel Family Gauges section for individual details. All tachometers and speedometers fit a standard 3-3/8 in. (85 mm) diameter hole. All other gauges fit a 2-1/8 in. (54 mm) diameter hole.



# **INSTRUMENT SETS - ADMIRAL PLUS BLACK FACE FAMILY**

Visit the Admiral Plus Black Face Family Gauges section for individual details. All tachometers and speedometers fit a standard 3-3/8 in. (85 mm) diameter hole. All other gauges fit a 2-1/8 in. (54 mm) diameter hole.







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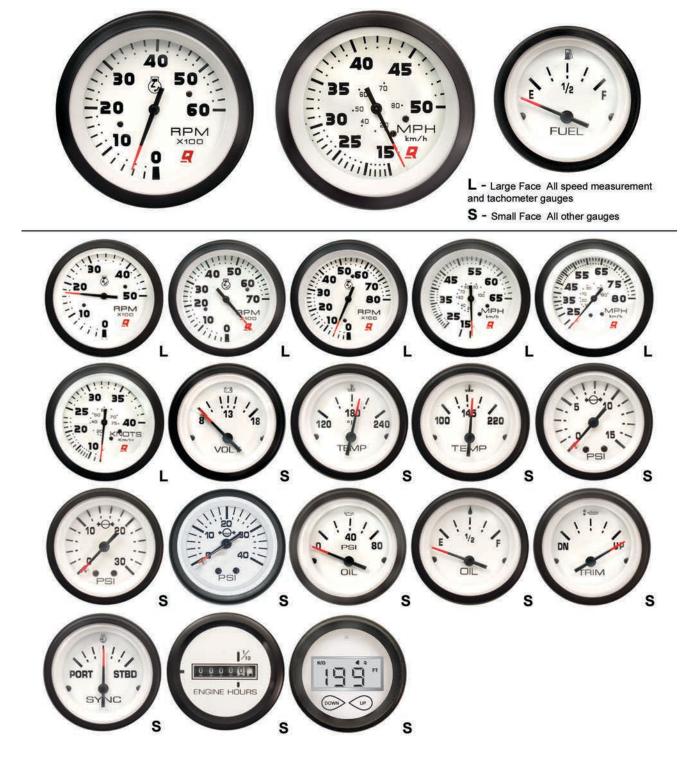
# INSTRUMENT SETS - ADMIRAL PLUS BLACK FACE/CHROME

Visit the Admiral Family Gauges section for specific gauges. All Tachometers and Speedometers fit 3 3/8 inch(85 MM) diameter hole. All other guages fit 2 1/8 inch (52 MM) diameter hole. Gauges have studs and metal brackets.



# **INSTRUMENT SETS - ADMIRAL PLUS WHITE FACE FAMILY**

Visit the Admiral Plus White Face Family Gauges section for individual details. All tachometers and speedometers fit a standard 3-3/8 in. (85 mm) diameter hole. All other gauges fit a 2-1/8 in. (54 mm) diameter hole.



# INSTRUMENT SETS - INTERNATIONAL II FAMILY

Visit the International II Family Gauges section for individual details. All tachometers and speedometers fit a standard 3-3/8 in. (85 mm) diameter hole. All other gauges fit a 2-1/8 in. (54 mm) diameter hole.





## **ANALOG GAUGE INTERFACE - DIGITAL ENGINES**

Converts digital signal to analog

#### **DTS ENGINE - ANALOG GAUGE HARNESS**



#### 84-8M0095716

An analog gauge harness (15 feet) specific for DTS engines that is more cost effective than the AGI (Analog Gauge Interface) solution

DTS versions of 4.5L/6.2L MerCruiser engines only

#### 84-8M0095826

An analog gauge harness (20 feet) specific for DTS engines that is more cost effective than the AGI (Analog Gauge Interface) solution  $\frac{1}{2} \left( \frac{1}{2} \right) = \frac{1}{2} \left( \frac{1}{2} \right) \left$ 

DTS versions of 4.5L/6.2L MerCruiser engines only

#### 84-8M0095827

An analog gauge harness (25 feet) specific for DTS engines that is more cost effective than the AGI (Analog Gauge Interface) solution

DTS versions of 4.5L/6.2L MerCruiser engines only

#### 84-8M0095828

An analog gauge harness (30 feet) specific for DTS engines that is more cost effective than the AGI (Analog Gauge Interface) solution

DTS versions of 4.5L/6.2L MerCruiser engines only

#### ANALOG GAUGE INTERFACE KIT



#### 892486K08

Used on 14-pin engines to convert a digital sensor signal into analog for Tachometer, Oil Pressure/Oil Level, Water Temperature, Trim, and Fuel Level analog gauges. There is also a connection for SC100 Link Gauges. Enhanced Voltage Suppression.

Used with a 10 Pin Junction Box connection, For Non-PCM09 ECUs - Fits SmartCraft compatible 14-pin engines

#### 8M0109742

Used on 14-pin engines to convert a digital sensor signal into analog for Tachometer, Oil Pressure/Oil Level, Water Temperature, Trim, and Fuel Level analog gauges. There is also a connection for SC100 Link Gauges. No Voltage Suppression.

Used with a 10 Pin Junction Box connection. For PCM09 ECUs only - Fits SmartCraft compatible 14-pin engines.

### **ANALOG GAUGE INTERFACE (AGI) KIT**



#### 892486K07

Includes AGI Module Assembly, Harness and hardware. For installations using analog gauges instead of SmartCraft. Use with analog tachometer, coolant temp, oil pressure or level, trim and fuel level. Enhanced Voltage Suppression.

Race MerCruiser or outboard engines in single or multiple engine installations plus MerCruiser 496Mag/Mag HO engines.

Mercury Branded

### **ANALOG GAUGE INTERFACE (AGI) KIT**



#### 892486K04

For installations using analog gauges instead of SmartCraft. Use with analog tachometer, coolant temp, oil temp, oil pressure or fuel pressure gauges. Enhanced Voltage Suppression.

Race MerCruiser engines with the 14 pin Deutsch connector engine wiring harness. One AGI kit per engine required.

### **ANALOG GAUGE INTERFACE MODULE**



#### 892486T04

Replacement AGI Module: analog outputs for tach, fuel level, trim position, block temperature and oil pressure.

For NON-PCM09 ECUs - Must have digital sensors on SmartCraft engine in order for these to be converted to analog outputs. CDS service tool used to enable Tach Link output (which can be either digital link data or analog trim)

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### **VESSEL ANALOG GAUGE INTERFACE (AGI) KIT**



#### 892486K05

For installations using analog gauges instead of SmartCraft. Use with analog tab position (port & starboard), fuel level (two fuel tanks) and trim position gauges. Enhanced Voltage Suppression.

Race MerCruiser engines with the 14 pin Deutsch connector engine wiring harness. One AGI kit per boat required.

#### TROLL CONTROL- DASH MOUNTED- ANALOG



#### 87-8M0083439

Troll Control will allow you to have the same functions that you get from the SmartCraft Digital gauges and adjust the speed of the boat. By pushing the button up or down, you can feather your speed every 10 RPM. Go from idle to 1000 RPM or anywhere in between. (some engine can actually go lower than idle (75-115 4 stroke(Walleye), 135-200 HP Verado 4 cylinder and 3.0L Optimax) This kit will be used in analog gauge installations. RPM will reset to idle when more than 2-3% movement occurs at the throttle (TPS)

Can be used with any Analog Gauge installation without a J Box. "Y" harness is included in kit to connect to main engine hanress. This kit can be used with any SmartCraft compatable Mercury Engine.

#### **CONVERSION KIT - SMARTCRAFT SENSORS**



### 889250K01

New kit that allows you to use SmartCraft gauges on these engines Gen II (2007) 75 HP - 115 HP 4 stroke 1.7L engines

### **SMARTCRAFT PITOT SENSOR KIT**



#### 8M0090447

Pitot sensor kit provides speed information for SmartCraft gauges. 2.1L F75-115 Four Stroke and 150 Four Stroke

### **MONITOR PANELS FOR DIESELS**

### PRIMARY STATION MONITOR PANEL



#### 806385T

Warning lights are provided for low oil pressure, excessive coolant temperature, insufficient alternator output and glow plug activation.

Fits 1.7L MS & MI 120 and 4.2 MS & MI (200 & 230)

### PRIMARY STATION MONITOR PANEL



### 861014

Warning lights are provided for low oil pressure, excessive coolant temperature, insufficient alternator output, glow plug activation & check engine light.

Fits 1997 and newer 2.8 ES & EI 165 and 4.2 ES & EI (250 & 230)

# TACHOMETER SELECTION AND SETTINGS CHARTS

## **Tachometer Application**

Model	Description	Flagship (Black Face)	Flagship (White Face)	QSI	International II	Generic
MerCruiser MCM/MIE Gasoline Engines	6000 RPM	79-895283A03	79- <b>895283A23</b>	N.L.A.	79-895283Q43	N/A
	8000 RPM	79-895283A06	79-859675A11	N.L.A.	79-895283Q45	N/A
MerCruiser D1.7L DTI, D2.8L & D4.2L D-tronic	ALL	79- <b>895283A03</b>	79- <b>895283A23</b>	N.L.A.	N/A	N/A
MerCruiser D3.0, D3.6L & D4.2L	1994 and Newer	79- <b>895283A02</b>	N/A	79- <b>805289A</b> 1	N/A	N/A
MerCruiser D7.3L D-Tronic	1997 and Newer	79-895283A02	N/A	79-805289A 1	N/A	N/A
Mercury/Mariner 4-Stroke Outboards	6000 RPM	79- <b>895283A03</b>	79-895283A23	N.L.A.	79- <b>895283Q43</b>	N/A
	8000 RPM	79-895283A06	79-859675A11	N.L.A.	79-895283Q45	N/A
Mercury/Mariner 20 HP and Above (2 cycle)	6000 RPM	79- <b>895283A03</b>	79- <b>895283A23</b>	N.L.A.	79-895283Q43	N/A
	8000 RPM	79-895283A06	79-859675A11	N.L.A.	79-895283Q45	N/A
Mercury/Mariner Optimax	6000 RPM(1)	79-895283A03	79-895283A23	N.L.A.	79-895283Q43	N/A
	8000 RPM(1)	79-895283A06	79-859675A11	N.L.A.	79-895283Q45	N/A
Mariner 8-40 HP (Japanese import)	Manual start w/ lighting coil	N/A	N/A	N/A	N/A	N/A
Mariner 9.9-60 HP (Japanese import)	Electric start / 2 cylinder	N/A	N/A	N/A	N/A	N/A
Force 3	50cc	N/A	N/A	N/A	N/A	N/A
Force 40 HP and Above	6000 RPM	79-895283A03	79-895283A23	N.L.A.	79-895283Q43	N/A
	8000 RPM	79-895283A06	79-859675A11	N.L.A.	79-895283Q45	N/A

<sup>(1)</sup> Correct harness required for optimum performance

## **Tachometer Settings**

Model	Country	Serial # Range	Positive Pulses Per Crank Revolution	Poles	(Flagship, Admiral, International II & Commodore	(QSI Series) Tachometer Switch Setting	(Force 79-817030A 1) Tachometer Switch Setting
Mercury/Mariner (2- stroke) 6 thru 25 HP (U.S. Orig			4	8	4P	3	N/A
Mercury/Mariner (4- stroke) 8 and 9.9 HP			3	6	3P	2	N/A
Mercury/Mariner (2- stroke) 30/40 HP	USA	0G053314 and up	6	12	6P	4	N/A
Mercury/Mariner 35 and 40 HP (2 Cyl.)	USA	5823918 and up	4	8	4P	3	N/A
	BEL	9298955 and up	4	8	4P	3	N/A
	AUS	8070639 and up	4	8	4P	3	N/A
	CAN	7169337 and up	4	8	4P	3	N/A
Mercury/Mariner (4- stroke) 25 thru 90 HP			6	12	6P	4	N/A
Mercury/Mariner (2- stroke) 45 thru V-6 (U.S. Origi			6	12	6P	4	N/A
Force 35			-	20	N/A	N/A	1
Force 35 HP and higher with Mercury ignition			6	12	6P	4	2
MerCruiser 4 cyl. gasoline engine			2	N/A	4C	1	N/A
MerCruiser 6 cyl. gasoline engine			3	N/A	6C	2	N/A
MerCruiser 8 cyl. gasoline engine			4	N/A	8C	3	N/A

## FLAGSHIP PLUS BLACK FACE FAMILY

Large gauge - fits 3-3/8 in.(86 mm) hole in dash. Small gauge - fits 2-1/8 in.(54 mm) hole in dash. 12 volt system. Tachometer selection and settings charts are located following the color group images.

#### **FLAGSHIP INSTRUMENT SET**



#### 79-895283A01

Anti-fog lens. Black face and black bezel; blue graduations. Set includes 0-6000 RPM tachometer, oil pressure gauge, battery meter and water temperature gauge. All illuminated. Mounting hardware also included.

For sterndrives and inboards only with 12 volt system.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIPTACHOMETER KIT**



### 79-895283A02

Anti-fog lens. 0-5000 RPM. 270 degree dial sweep. Black face and Black bezel: Blue graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

Diesel Engines only

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIPTACHOMETER KIT**



#### 79-895283A03

Anti-fog lens. 0-6000 RPM. 270 degree dial sweep. Black face and Black bezel: Blue graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboard and MCM products. Will require AGI converter for Verado (Digital) engines

Mercury Branded, Box Point of Sale Packaged.

#### **FLAGSHIPTACHOMETER KIT**



#### 79-895283A05

Anti-fog lens. 0-7000 RPM. 270 degree dial sweep. Black face and Black bezel: Blue graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require AGI converter with Verado (Digital) engines

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP TACHOMETER

### 79-895283B03

Anti-fog lens. 0-7000 RPM. 270 degree dial sweep. Black face and bezel: blue graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash. Priced and packaged in quantities of 24 pcs.

Fits all MCM/MIE gasoline engines; also fits various outboard engines 8hp and higher. See application chart for specific engine models.

Mercury Branded

#### **FLAGSHIPTACHOMETER KIT**



### 79-895283A06

Anti-fog lens. 0-8000 RPM. 270 degree dial sweep. Black face and Black bezel: Blue graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

for various Mercury Outboards and MCM products. Will require AGI converter with Verado (Digital) engines

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A01

Anti-fog lens. 10-45 MPH. 270 degree dial sweep. Black face and Black bezel; White/Blue graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (86 mm) hole in dash.

### 79-895285B01

Anti-fog lens. 10-45 MPH. 270 degree dial sweep. Black face and bezel; blue graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash. Pricing and packaging will be in qyuantities of 24 pcs.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A03

Anti-fog lens. 10-65 MPH. 270 degree dial sweep. Black face and Black bezel; White/Blue graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A04

Anti-fog lens. 10-80 MPH. 270 degree dial sweep. Black face and Black bezel; White/Blue graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



### 79-895285A06

Anti-fog lens. 10-100 MPH. 270 degree dial sweep. Black face and Black bezel; White/Blue graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A08

Anti-fog lens. 10- 50 knots. 270 degree dial sweep. Black face and Black bezel; White/Blue graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Mercury Branded, Box Point of Sale Packaged.

### **DIGITAL DEPTH GAUGE KIT**



#### 79-879292A01

Black face and black bezel. Digital depth readout to 199 feet, display is backlit for night operation. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge. Kit includes adjustable alarm, transom-mounted/inside-hull-mounted transducer. Easy to follow instructions. The affordable way to add more fun and safety to boating.

Available in Multiple bezel colors

Mercury Branded, Box Point of Sale Packaged.

#### **BEZEL 52 MM**



### 879292001

Bezel-Gold 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### **BEZEL 52 MM**



### 879292002

Bezel-Chrome 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

### **FLAGSHIP VOLT METER**



#### 79-895286A01

Anti-fog lens. Black face and Black bezel; White/Blue graduations. Outboards require a tachometer harness or ignition/choke assembly for connection.

Mercury Branded, Box Point of Sale Packaged.

#### 79-895286B01

Anti-fog lens. Black face and Black bezel; White/Blue graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Pricing and packaging will be in qyuantities of 24 pcs.

Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP WATER TEMPERATURE GAUGE



#### 79-895287A01

Anti-fog lens. 120 deg.-240 deg.F gauge. Black face and Black bezel; White/Blue graduations.

Fits all MCM/MIE gasoline engines and Mercury/Mariner V-6 outboards. Sender, if not already installed on the outboard, must be purchased separately.

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP WATER TEMPERATURE GAUGE



#### 79-895287A02

Anti-fog lens. 60 deg.-200 deg.F gauge. Black face and Black bezel; White/Blue graduations.

Fits Mercury/Mariner 25 thru 115 FourStroke, 225 FourStroke, 40 (3 & 4 cyl.), 45, 50/60 (3 cyl.), and 70 to 125 hp; and 1993 and newer Force outboards (Force models must order sender FA299791) Sender need to be ordered seperately Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP WATER TEMPERATURE GAUGE



#### 79-895287A03

Anti-fog lens. 100 deg.-240 deg.F gauge. Black face and Black bezel; White/Blue graduations.

Diesel

Mercury Branded, Box Point of Sale Packaged.

#### **FLAGSHIP WATER PRESSURE GAUGE**



#### 79-895288A01

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. Black face and bezel; blue graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25 E and EL (U.S. S/N 0C192155 and above; Belgium S/N 9548742 and above), 30 to 125 (except four stroke models), 1998 and older V-6 (3.0L), and Force 40/50.

Mercury Branded, Box Point of Sale Packaged.

#### 79-895288A02

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. Black face and bezel; blue graduations. Replacement gauge only

Fits Mercury/Mariner 25 E and EL (U.S. S/N 0C192155 and above; Belgium S/N 9548742 and above), 30 to 125 (except four stroke models), 1998 and older V-6 (3.0L), and Force 40/50.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP WATER PRESSURE GAUGE**



### 79-895288A03

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel with Blue/White graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

#### 79-895288A04

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel with Blue/White graduations. Replacement Gauge only

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP WATER PRESSURE GAUGE



#### 79-895288A05

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. Black face and bezel; blue graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above. Mercury Branded, Box Point of Sale Packaged.

#### 79-895288A06

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. Black face and bezel; blue graduations.. Replacement gauge only.

Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above. Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP OIL PRESSURE GAUGE



#### 79-895289A01

Anti-fog lens. Black face and Black bezel; Blue/White graduations. Fits all MCM/MIE gasoline engines and Mercury/Mariner 25/30/40/45/50/225 (4-stroke) outboards. Sender, if not already installed on the outboard, must be purchased separately.

Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP OIL PRESSURE GAUGE



### 79-895289A02

Anti-fog lens. Black face and Black bezel; Blue / White graduations. Fits D3.0L, D3.6L, and 4.2L diesels (1994 & newer) and D2.8, D4.2L, and D7.3L ES & EI models (1997 & newer).

Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP OIL LEVEL GAUGE KIT



#### 79-895290A01

Anti-fog lens. Black face and Black bezel; Blue/White graduations.

Fits V-6 outboard 3 US gal.(11.34 L) and 1.8 US gal.(6.8 L) remote oil reservoirs.

Mercury Branded. Box Point of Sale Packaged.

### **FLAGSHIP FUEL GAUGE**



#### 79-895291A01

Anti-fog lens. Black face and bezel; blue graduations. 12 volt system and 240 ohm sender required.

Mercury Branded, Box Point of Sale Packaged.

#### 79-895291B01

Anti-fog lens. Black face and bezel; blue graduations. 12 volt system and 240 ohm sender required. Priced and packaged in quantites of 24 pcs

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP DUAL ENGINE SYNCHRONIZER



#### 79-895294A01

Anti-fog lens. Black face and Black bezel; Blue/White graduations. Connects to tachometers.

Fits both 2-stroke and 4-stroke gasoline engine applications. Requires a synchronizer driver unless already installed.

### SYNCHRONIZER DRIVER



#### 8M0053532

This product is used with the analog gauge to synchronize dual engines. Any Admiral, Flagship or International II gauges

#### **FLAGSHIP POWER TRIM GAUGE**



#### 79-895292A01

Anti-fog lens. Black face and bezel; blue graduations. Designed for models that have a sender already installed or installation of a sender kit purchased separately. Fits Sterndrive and Outboards

Mercury Branded, Box Point of Sale Packaged.

#### **FUEL GAUGE SENDING UNIT**



#### 851052C

Designed for tanks that have a 5 screw flange. Use with 12 volt system. 33-240 ohm. Adjusts from 4 in.(10.2 cm) to 24 in.(60.7 cm)  $\,$ 

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### **FLAGSHIP POWER TRIM GAUGE**



### 79-895292B01

Anti-fog lens. Black face and bezel; blue graduations. Designed for models that have a sender already installed or installation of a sender kit purchased separately. Priced and packaged in quantites of 24 pcs

Fits Sterndrives and Outboards

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP CRUISELOG GAUGE**



#### 79-895295A01

Anti-fog lens. Black face and Black bezel; blue graduations. No illumination. Wiring included with this single pack.

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP PLUS WHITE FACE FAMILY

Large gauge - fits 3-3/8 in.(86 mm) hole in dash. Small gauge - fits 2-1/8 in.(54 mm) hole in dash. 12 volt system. Tachometer selection and settings charts are located following the color group images.

### **FLAGSHIP INSTRUMENT SET**



### 79-895283A21

Anti-fog lens. White face and white bezel; black graduations. Set includes 0-6000 RPM tachometer, oil pressure gauge, battery meter and water temperature gauge. All illuminated. Mounting hardware also included.

For various Mercury Outbord and MCM products. Will require an AGI converter for Verado (Ditgital) engines.

Mercury Branded, Box Point of Sale Packaged.

#### **FLAGSHIPTACHOMETER KIT**



### 79-895283A22

Anti-fog lens. 0-5000 RPM. 270 degree dial sweep. White face and White bezel: Black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

Diesel Engines only

### FLAGSHIPTACHOMETER KIT



#### 79-895283A23

Anti-fog lens. 0-6000 RPM. 270 degree dial sweep. White face and White bezel: Black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM produts. Will require the use of AGI converter for Verado (Digital) engines

Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIPTACHOMETER KIT



#### 79-895283**A**25

Anti-fog lens. 0-7000 RPM. 270 degree dial sweep. White face and White bezel: Black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM product. Will require use of AGI converter for Verado (Digital) engines

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIPTACHOMETER KIT



### 79-895283A26

Anti-fog lens. 0-8000 RPM. 270 degree dial sweep. White face and White bezel: Black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require the use of an AGI converter with Verado (Digital) engiens.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A21

Anti-fog lens. 10-45 MPH. 270 degree dial sweep. White face and White bezel; Black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A23

Anti-fog lens. 10-65 MPH. 270 degree dial sweep. White face and White bezel; Black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Mercury Branded, Box Point of Sale Packaged.

#### **FLAGSHIP SPEEDOMETER**



#### 79-895285A24

Anti-fog lens. 0-80 MPH. 270 degree dial sweep. White face and White bezel; Black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A26

Anti-fog lens. 0-100 MPH. 270 degree dial sweep. White face and White bezel; Black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A28

Anti-fog lens. 10-50 Knots. 270 degree dial sweep. White face and White bezel; Black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

Mercury Branded, Box Point of Sale Packaged.

### **DIGITAL DEPTH GAUGE KIT**



### 79-879292A02

White face and white bezel. Digital depth readout to 199 feet, display is backlit for night operation. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge. Kit includes adjustable alarm, transom-mounted/inside-hull-mounted transducer. Easy to follow instructions. The affordable way to add more fun and safety to boating.

Available in multiple bezel colors

Mercury Branded, Box Point of Sale Packaged.

### **BEZEL 52 MM**



#### 879292001

Bezel-Gold  $\,^2$  inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

### **BEZEL 52 MM**



#### 879292002

Bezel-Chrome 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### **FLAGSHIP VOLT METER**



### 79-895286A21

Anti-fog lens. White face and White bezel; black graduations.

Outboards require a tachometer harness or ignition/choke assembly for connection

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP WATER TEMPERATURE GAUGE



#### 79-895287A21

Anti-fog lens. 100 deg.-240 deg.F gauge. White face and White bezel; Black graduations.

Fits all MCM/MIE gasoline engines and Mercury/Mariner V-6 outboards. Sender, if not already installed on the outboard, must be purchased separately.

#### FLAGSHIP WATER TEMPERATURE GAUGE



#### 79-895287A22

Anti-fog lens. 60 deg.-200 deg.F gauge. White face and White bezel; Black graduations.

Fits Mercury/Mariner 25 thru 115 FourStroke, 225 FourStroke, 40 (3 & 4 cyl.), 45, 50/60 (3 cyl.), and 70 to 125 hp; and 1993 and newer Force outboards (Force models must order sender FA299791) Senders must be ordered seperately Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP WATER TEMPERATURE GAUGE



#### 79-895287A23

Anti-fog lens. 100 deg.-240 deg.F gauge. White face and White bezel; Black graduations.

Diesel

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP WATER PRESSURE GAUGE



#### 79-895288A21

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. White face and bezel; black graduations. Complete kit. Includes 25 ft.( $7.6\,\mathrm{m}$ ) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25 E and EL (U.S. S/N 0C192155 and above; Belgium S/N 9548742 and above), 30 to 125 (except four stroke models), 1998 and older V-6 (3.0L), and Force 40/50.

Mercury Branded, Box Point of Sale Packaged.

#### 79-895288A22

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. White face and bezel, Black graduations. Replacement gauge only

Fits Mercury/Mariner 25 E and EL (U.S. S/N 0C192155 and above; Belgium S/N 9548742 and above), 30 to 125 (except four stroke models), 1998 and older V-6 (3.0L), and Force 40/50.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP WATER PRESSURE GAUGE**



#### 79-895288A23

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. White face and bezel; black graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Mercury Branded, Box Point of Sale Packaged

#### 79-895288A24

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. White face and White bezel; Black graduations. Replacement gauge only Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP WATER PRESSURE GAUGE



#### 79-895288A25

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. White face and bezel; black graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above. Mercury Branded, Box Point of Sale Packaged.

#### 79-895288A26

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. White face and White bezel; Black graduations. Replacement gauge only Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above. Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP OIL PRESSURE GAUGE



#### 79-895289A21

Anti-fog lens. White face and White bezel; black graduations. Fits all MCM/MIE gasoline engines and Mercury/Mariner 25/30/40/45/50/225 (4-stroke) outboards. Sender, if not already installed on the outboard, must be

purchased separately. Mercury Branded, Box Point of Sale Packaged.

#### **FLAGSHIP OIL PRESSURE GAUGE**



#### 79-895289A22

Anti-fog lens. White face and White bezel; black graduations. Fits D3.0L, D3.6L, and 4.2L diesels (1994 & newer) and D2.8, D4.2L, and D7.3L ES & El models (1997 & newer).

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP OIL LEVEL GAUGE KIT



#### 79-895290A21

Anti-fog lens. White face and White bezel; black graduations. Fits V-6 outboard 3 US gal.(11.34 L) and 1.8 US gal.(6.8 L) remote oil reservoirs. Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP FUEL GAUGE**



#### 79-895291A21

Anti-fog lens. White face and White bezel; black graduations. 12 volt system and 240 ohm sender required.

Mercury Branded, Box Point of Sale Packaged.

### **FUEL GAUGE SENDING UNIT**



#### 851052Q

Designed for tanks that have a 5 screw flange. Use with 12 volt system. 33-240 ohm. Adjusts from 4 in.(10.2 cm) to 24 in.(60.7 cm) Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### FLAGSHIP POWER TRIM GAUGE



#### 79-895292A21

Anti-fog lens. White face and bezel; black graduations. Designed for models that have a sender already installed or installation of a sender kit purchased separately. Fits Sterndrives and Outboards

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP DUAL ENGINE SYNCHRONIZER



#### 79-895294A21

Anti-fog lens. White face and White bezel; black graduations. Connects to tachometers.

Fits both 2-stroke and 4-stroke gasoline engine applications. Requires a synchronizer driver unless already installed.

Mercury Branded, Box Point of Sale Packaged.

#### SYNCHRONIZER DRIVER



#### 8M0053532

This product is used with the analog gauge to synchronize dual engines. Any Admiral, Flagship or International II gauges

### **FLAGSHIP CRUISELOG GAUGE**



#### 79-895295A21

Anti-fog lens. White face and White bezel; black graduations. No illumination. Wiring included with this single pack.

Mercury Branded, Box Point of Sale Packaged.

# FLAGSHIP PLUS WHITE FACE WITH CHROME BEZELS

Large gauge - fits 3-3/8 in.(86 mm) hole in dash. Small gauge - fits 2-1/8 in.(54 mm) hole in dash. 12 volt system. Tachometer selection and settings charts are located following the color group images.

#### FLAGSHIP INSTRUMENT SET



#### 79-895283A41

Anti-fog lens. White face and Chrome bezel; black graduations. Set includes 0-6000 RPM tachometer, oil pressure gauge, battery meter and water temperature gauge. All illuminated. Mounting hardware also included.

For various Mercury Outbord and MCM products. Will require an AGI converter for Verado (Ditgital) engines.

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP TACHOMETER



#### 79-895283A42

Anti-fog lens. 0-5000 RPM. 270 degree dial sweep. White face and Chrome bezel; black graduations. Fits 3-3/8 in. (85 mm) hole in dash.

Diesel Engines only

Mercury Branded, Box Point of Sale Packaged.

#### **FLAGSHIP TACHOMETER**



#### 79-895283A43

Anti-fog lens. 0-6000 RPM. 270 degree dial sweep. White face and Chrome bezel; black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require AGI converter with Verado (Digital) engines..

Mercury Branded, Box Point of Sale Packaged.

#### **FLAGSHIP TACHOMETER**



#### 79-895283A45

Anti-fog lens. 0-7000 RPM. 270 degree dial sweep. White face and Chrome bezel: black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require the use of an AGI converter with Verado (Digital) engiens.

Mercury Branded, Box Point of Sale Packaged.

#### 79-895283B43

Anti-fog lens. 0-7000 RPM. 270 degree dial sweep. White face and Chrome bezel: black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash. Priced and packaged in quantities of 24 pcs.

Fits all MCM/MIE gasoline engines; also fits various outboard engines 8hp and higher. See application chart for specific engine models.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP TACHOMETER**



#### 79-895283A46

Anti-fog lens. 0-8000 RPM. 270 degree dial sweep. White face and Chrome bezel; black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

for various Mercury Outboards and MCM products. Will require use of an AGI converter with Verado (Digital) engines.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A41

Anti-fog lens. 10-45 MPH. 270 degree dial sweep. White face and Chrome bezel; black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A43

Anti-fog lens. 10-65 MPH. 270 degree dial sweep. White face and Chrome bezel; black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

Mercury Branded, Box Point of Sale Packaged.

#### 79-895285B43

Anti-fog lens. 10-65 MPH. 270 degree dial sweep. White face and Chrome bezel: black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash. Pricing and packaging will be in quantities of 24 pcs.

Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP SPEEDOMETER

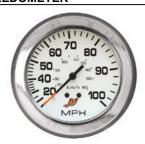


#### 79-895285A44

Anti-fog lens. 0-80 MPH. 270 degree dial sweep. White facedial and Chrome bezel; black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A46

Anti-fog lens. 10-100 MPH. 270 degree dial sweep. White face and Chrome bezel; black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP SPEEDOMETER**



#### 79-895285A48

Anti-fog lens. 10-50 Knots. 270 degree dial sweep. White face and Chrome bezel; black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

Mercury Branded, Box Point of Sale Packaged.

#### **FLAGSHIP VOLT METER**



#### 79-895286A41

Anti-fog lens. White face andChrome bezel; black graduations.

Outboards require a tachometer harness or ignition/choke assembly for connection.

Mercury Branded, Box Point of Sale Packaged.

### 79-895286B41

Anti-fog lens. White face and Chrome bezel; black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Pricing and packaging will be in qyuantities of 24 pcs.

### FLAGSHIP WATER TEMPERATURE GAUGE



#### 79-895287A41

Anti-fog lens. 100 deg.-240 deg.F gauge. White face and Chrome bezel; black graduations.

Fits all MCM/MIE gasoline engines and Mercury/Mariner V-6 outboards. Sender, if not already installed on the outboard, must be purchased separately. Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP WATER TEMPERATURE GAUGE



#### 79-895287A42

Anti-fog lens. 60 deg.-200 deg.F gauge. White face and Chrome bezel; black graduations. Also requires reducer fitting 22-86306 for 75 thru 115 FourStroke and 225 FourStroke applications. Coastal flush units require the 12415A 2 temperature sender kit. Order sender seperately

Fits Mercury/Mariner 25 thru 115 FourStroke, 225 FourStroke, 40 (3 & 4 cyl.), 45, 50/60 (3 cyl.), and 70 to 125 hp ; and 1993 and newer Force outboards (Force models must order sender FA299791)

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP WATER PRESSURE GAUGE



#### 79-895288A41

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. White face and Chrome bezel; black graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Réplacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25 E and EL (U.S. S/N 0C192155 and above; Belgium S/N 9548742 and above), 30 to 125 (except four stroke models), 1998 and older V-6 (3.0L), and Force 40/50.

Mercury Branded, Box Point of Sale Packaged.

#### 79-895288A42

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. White face plate with Chrome bezel; black graduations. Replacement gauge only. Fits Mercury/Mariner 25 E and EL (U.S. S/N 0C192155 and above; Belgium S/N 9548742 and above), 30 to 125 (except four stroke models), 1998 and older V-6 (3.0L), and Force 40/50.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP WATER PRESSURE GAUGE**



#### 79-895288A43

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. White face and Chrome bezel; black graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Mercury Branded, Box Point of Sale Packaged

#### 79-895288A44

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. White face and Chrome bezel; black graduations. Replacement Gauge

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Mercury Branded, Box Point of Sale Packaged

#### FLAGSHIP WATER PRESSURE GAUGE



#### 79-895288A45

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. White face and Chrome bezel; black graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above. Mercury Branded, Box Point of Sale Packaged.

#### 79-895288A46

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. White face and Chrome bezel; black graduations.. Replacement gauge only. Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above. Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP OIL PRESSURE GAUGE



#### 79-895289A41

Anti-fog lens. White face and Chrome bezel; black graduations. Fits all MCM/MIE gasoline engines and Mercury/Mariner 25/30/40/45/50/225 (4-stroke) outboards. Sender, if not already installed on the outboard, must be purchased separately.

Mercury Branded, Box Point of Sale Packaged.

#### FLAGSHIP OIL PRESSURE GAUGE



#### 79-895289A42

Anti-fog lens. White face and Chrome bezel; black graduations. Fits D3.0L, D3.6L, and 4.2L diesels (1994 & newer) and D2.8, D4.2L, and D7.3L ES & EI models (1997 & newer).

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP OIL LEVEL GAUGE KIT



#### 79-895290A41

Anti-fog lens. White face and Chrome bezel; black graduations.

Fits V-6 outboard 3 US gal.(11.34 L) and 1.8 US gal.(6.8 L) remote oil reservoirs.

Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP FUEL GAUGE**



#### 79-895291A41

Anti-fog lens. White face and Chrome  $\,$  bezel; black graduations. 12 volt system and 240 ohm sender required.

Mercury Branded, Box Point of Sale Packaged.

#### 79-895291B41

Anti-fog lens. White face and Chrome bezel; black graduations. 12 volt system and 240 ohm sender required. Priced and packaged in quantities of 24 pcs Mercury Branded, Box Point of Sale Packaged.

### **FLAGSHIP POWER TRIM GAUGE**



### 79-895292A41

Anti-fog lens. White face and Chrome bezel; black graduations. Designed for models that have a sender already installed or installation of a sender kit purchased separately.

Fits Sterndrives and Outboards

Mercury Branded, Box Point of Sale Packaged.

#### 79-895292B41

Anti-fog lens. White face and Chrome bezel; black graduations. Bulk package of 24 pcs. Designed for models that have a sender already installed or installation of a sender kit purchased separately.

Fits Sterndrives and Outboards

Mercury Branded, Box Point of Sale Packaged.

### FLAGSHIP DUAL ENGINE SYNCHRONIZER



### 79-895294A41

Anti-fog lens. White face and Chrome bezel; black graduations. Connects to tachometers.

Fits both 2-stroke and 4-stroke gasoline engine applications.

#### SYNCHRONIZER DRIVER



#### 8M0053532

This product is used with the analog gauge to synchronize dual engines. Any Admiral, Flagship or International II gauges

### **FLAGSHIP CRUISELOG GAUGE**



#### 79-895295A41

Anti-fog lens. White face and Chrome bezel; black graduations. No illumination. Wiring included with this single pack.

Mercury Branded, Box Point of Sale Packaged.

### **ADMIRAL PLUS BLACK FACE FAMILY**

Large gauge - fits 3-3/8 in.(86 mm) hole in dash. Small gauge - fits 2-1/8 in.(54 mm) hole in dash. 12 volt system. Tachometer selection and settings charts are located following the color group images.

### ADMIRAL INSTRUMENT SET



#### 79-895283Q01

Anti-fog lens. Black face and black bezel; red graduations. Set includes 0-6000 RPM tachometer, oil pressure gauge, battery meter and water temperature gauge. All illuminated. Mounting hardware also included.

For various Mercury Outboards and MCM products. Will require use of an AGI converter with Verado (Digital) engines.

Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL TACHOMETER KIT**



#### 79-895283Q02

Anti-fog lens. 0-5000 RPM. 270 degree dial sweep. Black face and Black bezel; Red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

Diesel Engines only

Mercury Branded, Box Point of Sale Packaged

#### **ADMIRAL TACHOMETER KIT**



#### 79-895283Q03

Anti-fog lens. 0-6000 RPM. 270 degree dial sweep. Black face and Black bezel; Red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require use of an AGI converter with Verado (Digital) engines.

Quicksilver Branded, Box Point of Sale Packaged.

#### ADMIRAL TACHOMETER KIT



### 79-895283Q05

Anti-fog lens. 0-7000 RPM. 270 degree dial sweep. Black face and Black bezel; Red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require use of an AGI converter with Verado (Digital) engines.

Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL TACHOMETER**

### 79-895283B13

Anti-fog lens. 0-7000 RPM. 270 degree dial sweep. Black face and Black bezel; Red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash. Priced and packaged in quantities of 24 pcs.

For various Mercury Outboards and MCM products. Will require use of an AGI converter with Verado (Digital) engines

### **ADMIRAL TACHOMETER KIT**



#### 79-895283Q06

Anti-fog lens. 0-8000 RPM. 270 degree dial sweep. Black face and Black bezel; Red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require an AGI converter with Veradp (Digital) engines.

Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL SPEEDOMETER**



#### 79-895285Q01

Anti-fog lens. 10-45 MPH. 270 degree dial sweep. Black face and Black bezel; White/Red graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Quicksilver Branded, Box Point of Sale Packaged.

### ADMIRAL SPEEDOMETER



#### 79-895285Q03

Anti-fog lens. 10-65 MPH. 270 degree dial sweep. Black face and Black bezel; White/Red graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL SPEEDOMETER**



#### 79-895285Q04

Anti-fog lens. 0-80 MPH. 270 degree dial sweep. Black face and Black bezel; White/Red graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL SPEEDOMETER**



#### 79-895285Q08

Anti-fog lens. 10-40 Knots. 270 degree dial sweep. Black face and Black bezel; White/Red graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

Quicksilver Branded, Box Point of Sale Packaged.

#### **DIGITAL DEPTH GAUGE KIT**



### 79-879292A01

Black face and black bezel. Digital depth readout to 199 feet, display is backlit for night operation. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge. Kit includes adjustable alarm, transom-mounted/inside-hull-mounted transducer. Easy to follow instructions. The affordable way to add more fun and safety to boating.

Available in Multiple bezel colors

### **BEZEL 52 MM**



#### 879292001

Bezel-Gold  $\,$  2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### **BEZEL 52 MM**



#### 879292002

Bezel-Chrome 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### **ADMIRAL VOLT METER**



### 79-895286Q01

Anti-fog lens. Black face and Black bezel; Red/White graduations. Outboards require a tachometer harness or ignition/choke assembly for connection.

Quicksilver Branded, Box Point of Sale Packaged.

### WATER TEMPERATURE GAUGE



#### 79-895287Q01

Anti-fog lens. 100 deg.-240 deg.F gauge. Black face and Black bezel; white/red graduations. Order sender seperately. Also requires reducer fitting 22-86306 for 75 thru 115 FourStroke and 225 FourStroke applications. Coastal flush units require the 12415A 2 temperature sender kit.

Fits Mercury/Mariner 25 thru 115 FourStroke, 225 FourStroke, 40 (3 & 4 cyl.), 45, 50/60 (3 cyl.), and 70 to 125 hp ; and 1993 and newer Force outboards (Force models must order sender FA299791)

Quicksilver Branded, Box Point of Sale Packaged.

### WATER TEMPERATURE GAUGE



#### 79-895287Q02

Anti-fog lens. 100 deg.-220 deg.F gauge. Black face and Black bezel; white/red graduations. Sender must be ordered seperately. Also requires reducer fitting 22-86306 for 75 thru 115 FourStroke and 225 FourStroke applications. Coastal flush units require the 12415A 2 temperature sender kit.

Fits Mercury/Mariner 25 thru 115 FourStroke, 225 FourStroke, 40 (3 & 4 cyl.), 45, 50/60 (3 cyl.), and 70 to 125 hp; and 1993 and newer Force outboards (Force models must order sender FA299791 and discard sender included with gauge. Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL WATER PRESSURE GAUGE**



#### 79-895288Q01

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; red graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Quicksilver Branded, Box Point of Sale Packaged

### 79-895288Q02

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; red graduations. Replacement gauge only.

Fits Mercury/Mariner 25 E and EL (U.S. S/N 0C192155 and above; Belgium S/N 9548742 and above), 30 to 125 (except four stroke models), 1998 and older V-6 (3.0L), and Force 40/50.

### **ADMIRAL WATER PRESSURE GAUGE**



#### 79-895288Q03

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; red graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older) ; and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Quicksilver Branded, Box Point of Sale Packaged.

#### 79-895288Q04

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; red graduations. Replacement gauge only.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Quicksilver Branded, Box Point of Sale Packaged.

#### ADMIRAL WATER PRESSURE GAUGE



#### 79-895288Q05

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; red graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above.

Quicksilver Branded, Box Point of Sale Packaged.

#### 79-895288Q06

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; red graduations. Replacement gauge only. Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above.

Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL OIL PRESSURE GAUGE**



#### 79-895289Q01

Anti-fog lens. Black face and Black bezel; Red/white graduations. Fits all MCM/MIE gasoline engines and Mercury/Mariner 25/30/40/45/50/225 (4-stroke) outboards. Sender, if not already installed on the outboard, must be purchased separately.

Quicksilver Branded, Box Point of Sale Packaged.

#### OIL PRESSURE SENDER KIT



#### 8M0068785

Includes sender and harness used with oil pressure gauges and 21 ft.(6.4 m) of wire.

Fits Mercury/Mariner 25/30/40/45/50/60 (4-stroke).

#### **ADMIRAL OIL LEVEL GAUGE KIT**



### 79-895290Q01

Anti-fog lens. Black face and Black bezel; Red/White graduations.

Fits V-6 outboard 3 US gal.(11.34 L) and 1.8 US gal.(6.8 L) remote oil reservoirs.

Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL FUEL GAUGE**



#### 79-895291Q01

Anti-fog lens. Black face and Black bezel; Red/White graduations. 12 volt system and 240 ohm sender required.

#### 79-895291B11

Anti-fog lens. Black face and Black bezel; red graduations. 12 volt system and 240 ohm sender required.

Priced and packaged in quantites of 24 pcs

Quicksilver Branded, Box Point of Sale Packaged.

### ADMIRAL POWER TRIM GAUGE



#### 79-895292Q01

Admiral Plus series gauge. Anti-fog lens. Black face and bezel; red graduations. Designed for models that have a sender already installed or installation of a sender kit purchased separately.

Fits MCM and Outboards

Quicksilver Branded, Box Point of Sale Packaged.

#### ADMIRAL TRIM GAUGE

#### 9-895292B11

Anti-fog lens. Black face and Black bezel; red graduations. 12 volt system. Priced and packaged in quantites of 24 pcs

Quicksilver Branded, Box Point of Sale Packaged.

#### ADMIRAL DUAL ENGINE SYNCHRONIZER



### 79-895294Q01

Anti-fog lens. Black face and Black bezel; red graduations. Connects to tachometers.

Fits both 2-stroke and 4-stroke gasoline engine applications. Requires a synchronizer driver unless already installed.

Quicksilver Branded, Box Point of Sale Packaged.

### SYNCHRONIZER DRIVER



#### 8M0053532

This product is used with the analog gauge to synchronize dual engines. Any Admiral, Flagship or International II gauges

### **ADMIRAL CRUISELOG GAUGE**



#### 79-895295Q01

Anti-fog lens. Black face and Black bezel; Red/White graduations. No illumination. Wiring included with this single pack.

Quicksilver Branded, Box Point of Sale Packaged.

### ADMIRAL PLUS BLACK WITH CHROME BEZEL

Large gauge - fits 3-3/8 in.(86 mm) hole in dash. Small gauge - fits 2-1/8 in.(54 mm) hole in dash. 12 volt system. Tachometer selection and setting charts are located following the color group images.

#### **ADMIRAL INSTRUMENT SET**



### 79-895283Q61

Anti-fog lens. Black face and Chrome bezel; red graduations. Set includes 0-6000 RPM tachometer, oil pressure gauge, battery meter and water temperature gauge. All illuminated. Mounting hardware also included.

For various Mercury Outboards and MCM products. Will require an AGI converter with Verado (Digital) engines.

Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL TACHOMETER**



#### 79-895283Q62

Anti-fog lens. 0-5000 RPM. 270 degree dial sweep. Black face and Chrome bezel; red graduations. Fits 3-3/8 in. (85 mm) hole in dash.

Diesel Engines only

#### **ADMIRAL TACHOMETER**



#### 79-895283Q63

Anti-fog lens. 0-6000 RPM. 270 degree dial sweep. Black face and Chrome bezel; red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require an AGI converter for Verado (Digital) engines.L

Quicksilver Branded, Box Point of Sale Packaged.

#### 79-895283R63

Anti-fog lens. 0-6000 RPM. 270 degree dial sweep. Black face and Chrome bezel; red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash. Priced and packaged in quantities of 24 pcs.

Fits all MCM/MIE gasoline engines and D1.7L DTI & D2.8L/D4.2L D-Tronic diesel engines; also fits various outboard engines 8hp and higher. See application chart for specific engine models.

Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL TACHOMETER**



#### 79-895283Q65

Anti-fog lens. 0-7000 RPM. 270 degree dial sweep. Black face and Chrome bezel: red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require an AGI converter for Verado (Digital) engines.L

Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL TACHOMETER**



### 79-895283Q66

Anti-fog lens. 0-8000 RPM. 270 degree dial sweep. Black face and Chrome bezel; red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require an AGI converter for Verado (Digital) engines.L

Quicksilver Branded, Box Point of Sale Packaged.

#### 79-895283B66

Anti-fog lens. 0-8000 RPM. 270 degree dial sweep. Black face and Chrome bezel; red graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash. Priced and packaged in quantities of 24 pcs.

Fits all MCM/MIE gasoline engines; also fits various outboard engines 8hp and higher. See application chart for specific engine models.

Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL SPEEDOMETER**

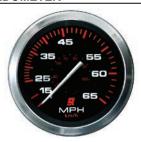


#### 79-895285Q61

Anti-fog lens. 10-45 MPH. 270 degree dial sweep. Black face and Chrome bezel; red graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL SPEEDOMETER**



#### 79-895285Q63

Anti-fog lens. 10-65 MPH. 270 degree dial sweep. Black face and Chrome bezel; red graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL SPEEDOMETER**



### 79-895285Q64

Anti-fog lens. 10-80 MPH. 270 degree dial sweep. Black face and Chrome bezel; red graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

#### ADMIRAL SPEEDOMETER



#### 79-895285Q68

Anti-fog lens. 10-40 Knots. 270 degree dial sweep. Black face and Chrome bezel; red graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL VOLT METER**



#### 79-895286Q61

Anti-fog lens. Black face and Chrome bezel; red/white graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Quicksilver Branded, Box Point of Sale Packaged.

#### ADMIRAL WATER TEMPERATURE GAUGE



#### 79-895287Q61

Anti-fog lens. 100 deg.-240 deg.F gauge. Black face and Chrome bezel; red graduations.

Fits all MCM/MIE gasoline engines and Mercury/Mariner V-6 outboards. Sender, if not already installed on the outboard, must be purchased separately. Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL WATER TEMPERATURE GAUGE**



#### 79-895287Q62

Anti-fog lens. 60 deg.-220 deg.F gauge. Black face and Chrome bezel; red/white graduations.

Fits Mercury/Mariner 25 thru 115 FourStroke, 225 FourStroke, 40 (3 & 4 cyl.), 45, 50/60 (3 cyl.), and 70 to 125 hp; and 1993 and newer Force outboards (Force models must order sender FA299791) Senders must be ordered seperately Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMIRAL WATER PRESSURE GAUGE**



#### 79-895288Q6

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. Black face and Chrome bezel; red graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

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#### ADMIRAL WATER PRESSURE GAUGE



#### 79-895288Q63

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. Black face and Chrome bezel; red graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

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### 79-895288Q64

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. Black face and Chrome bezel; red graduations. Replacement gauge only.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

### **ADMIRAL WATER PRESSURE GAUGE**



#### 79-895288Q65

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. Black face and Chrome bezel; red graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware. Replacement hose not sold separate, obtain locally.

Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above. Quicksilver Branded, Box Point of Sale Packaged.

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. Black face and Chrome bezel; red graduations. Replacement gauge only. Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above. Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL OIL PRESSURE GAUGE**



#### 79-895289Q61

Anti-fog lens. Black face and Chrome bezel; red graduations.

Fits all MCM/MIE gasoline engines and Mercury/Mariner 25/30/40/45/50/225 (4-stroke) outboards. Sender, if not already installed on the outboard, must be purchased separately.

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### **OIL PRESSURE SENDER KIT**



### 8M0068785

Includes sender and harness used with oil pressure gauges and 21 ft.(6.4 m) of

Fits Mercury/Mariner 25/30/40/45/50/60 (4-stroke).

### ADMIRAL OIL LEVEL GAUGE KIT



#### 79-895290Q61

Anti-fog lens. Black face and Chrome bezel; Red/White graduations. Fits V-6 outboard 3 US gal.(11.34 L) and 1.8 US gal.(6.8 L) remote oil reservoirs. Quicksilver Branded, Box Point of Sale Packaged.

### ADMIRAL FUEL GAUGE



#### 79-895291Q61

Anti-fog lens. Black face and Chrome bezel; red graduations. 12 volt system and 240 ohm sender required.

Quicksilver Branded, Box Point of Sale Packaged.

#### ADMIRAL TRIM GAUGE



### 79-895292Q61

Anti-fog lens. Black face and Chrome bezel; red graduations. 12 volt system Quicksilver Branded, Box Point of Sale Packaged.

### ADMIRAL DUAL ENGINE SYNCHRONIZER



#### 79-895294Q61

Anti-fog lens. Black face and Chrome bezel; red graduations. Connects to tachometers.

Fits both 2-stroke and 4-stroke gasoline engine applications. Quicksilver Branded, Box Point of Sale Packaged.

#### SYNCHRONIZER DRIVER



#### 8M0053532

This product is used with the analog gauge to synchronize dual engines. Any Admiral, Flagship or International II gauges

### **ADMIRAL CRUISELOG GAUGE**



#### 79-895295Q61

Anti-fog lens. Black face and Chrome bezel; red graduations. No illumination. Wiring included with this single pack.

Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL PLUS WHITE FACE FAMILY**

Large gauge - fits 3-3/8 in.(86 mm) hole in dash. Small gauge - fits 2-1/8 in.(54 mm) hole in dash. 12 volt system. Tachometer selection and settings charts are located following the color group images.

### ADMIRAL INSTRUMENT SET



#### 79-895283Q21

Anti-fog lens. White face and black bezel; black graduations. Set includes 0-6000 RPM tachometer, oil pressure gauge, battery meter and water temperature gauge. All illuminated. Mounting hardware also included.

For various Mercury Outboards and MCM engines. Will require an AGI converter with Verado (Digital) engines.

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#### **ADMIRAL TACHOMETER**



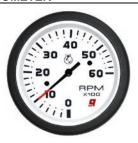
#### 79-895283Q22

Anti-fog lens. 0-5000 RPM. 270 degree dial sweep. White face and Black bezel; Black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

Diesel Engines only

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#### **ADMIRAL TACHOMETER**



### 79-895283Q23

Anti-fog lens. 0-6000 RPM. 270 degree dial sweep. White face and Black bezel; Black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM engines. Will require an AGI converter with Verado (Digital) engines.

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### ADMIRAL TACHOMETER



### 79-895283Q25

Anti-fog lens. White face and black bezel; black graduations. Set includes 0-7000 RPM tachometer, oil pressure gauge, battery meter and water temperature gauge. All illuminated. Mounting hardware also included.

For various Mercury Outboards and MCM engines. Will require an AGI converter with Verado (Digital) engines.

### **ADMIRAL TACHOMETER**



#### 79-895283Q26

Anti-fog lens. 0-8000 RPM. 270 degree dial sweep. White face and Black bezel; Black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM engines. Will require an AGI converter with Verado (Digital) engines.

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#### **ADMIRAL SPEEDOMETER**



#### 9-895285Q21

Anti-fog lens. 10-45 MPH. 270 degree dial sweep. White face and Black bezel; Black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

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### **ADMIRAL SPEEDOMETER**



#### 79-895285Q23

Anti-fog lens. 10-65 MPH. 270 degree dial sweep. White face and Black bezel; Black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

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### ADMIRAL SPEEDOMETER



#### 79-895285Q24

Anti-fog lens. 0-80 MPH. 270 degree dial sweep. White face and Black bezel; Black graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in deeh

Quicksilver Branded, Box Point of Sale Packaged.

### **ADMIRAL SPEEDOMETER**



#### 79-895285Q28

Anti-fog lens. 10-40 Knots. 270 degree dial sweep. White face and Black bezel; Blackgraduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash

Quicksilver Branded, Box Point of Sale Packaged.

#### **DIGITAL DEPTH GAUGE KIT**



### 79-879292A02

White face and white bezel. Digital depth readout to 199 feet, display is backlit for night operation. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge. Kit includes adjustable alarm, transom-mounted/inside-hull-mounted transducer. Easy to follow instructions. The affordable way to add more fun and safety to boating.

Available in multiple bezel colors

#### **BEZEL 52 MM**



#### 879292001

Bezel-Gold 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### **BEZEL 52 MM**



#### 879292002

Bezel-Chrome 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### ADMIRAL VOLT METER



### 79-895286Q21

Anti-fog lens. White face and Black bezel; black graduations. Outboards require a tachometer harness or ignition/choke assembly for connection.

Quicksilver Branded, Box Point of Sale Packaged.

### WATER TEMPERATURE GAUGE



#### 79-895287Q21

Anti-fog lens. 100 deg.-240 deg.F gauge. White face and Black bezel; Black graduations. Includes sender. Also requires reducer fitting 22-86306 for 75 thru 115 Four-Stroke and 225 Four-Stroke applications. Coastal flush units require the 12415A 2 temperature sender kit.

Fits Mercury/Mariner 25 thru 115 FourStroke, 225 FourStroke, 40 (3 & 4 cyl.), 45, 50/60 (3 cyl.), and 70 to 125 hp; and 1993 and newer Force outboards (Force models must order sender FA299791 and discard sender included with gauge. Quicksilver Branded, Box Point of Sale Packaged.

#### **ADMITAL WATER TEMPERATURE GAUGE**



#### 79-895287Q22

Anti-fog lens. 100 deg.-220 deg.F gauge. White face and Black bezel; Black graduations. Sender must be ordered seperately. Also requires reducer fitting 22-86306 for 75 thru 115 FourStroke and 225 FourStroke applications. Coastal flush units require the 12415A 2 temperature sender kit.

Fits Mercury/Mariner 25 thru 115 FourStroke, 225 FourStroke, 40 (3 & 4 cyl.), 45, 50/60 (3 cyl.), and 70 to 125 hp ; and 1993 and newer Force outboards (Force models must order sender FA299791)

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#### ADMIRAL WATER PRESSURE GAUGE



### 79-895288Q21

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. White face and Black bezel; Black graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25 E and EL (U.S. S/N 0C192155 and above; Belgium S/N 9548742 and above), 30 to 125 (except four stroke models), 1998 and older V-6 (3.0L), and Force 40/50.

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#### 79-895288Q22

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. White face and Black bezel; Black graduations. Replacement gauge only. Fits Mercury/Mariner 25 E and EL (U.S. S/N 0C192155 and above; Belgium S/N 9548742 and above), 30 to 125 (except four stroke models), 1998 and older V-6 (3.0L), and Force 40/50.

### **ADMIRAL WATER PRESSURE GAUGE**



#### 79-895288Q23

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. White face and Black bezel; Black graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.
Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

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#### 79-895288Q24

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. White face and Black bezel; Black graduations. Replacement gauge only.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Quicksilver Branded, Box Point of Sale Packaged.

#### ADMIRAL WATER PRESSURE GAUGE



#### 79-895288Q25

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. White face and Black bezel; Black graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

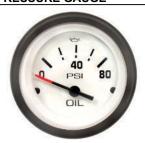
Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above.

Quicksilver Branded, Box Point of Sale Packaged.

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. White face and Black bezel; Black graduations. Replacement gauge only. Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above.

Quicksilver Branded, Box Point of Sale Packaged.

### ADMIRAL OIL PRESSURE GAUGE



#### 79-895289Q21

Anti-fog lens. White face and Black bezel; black graduations.

Fits all MCM/MIE gasoline engines and Mercury/Mariner 25/30/40/45/50/225 (4-stroke) outboards. Sender, if not already installed on the outboard, must be purchased separately.

Quicksilver Branded, Box Point of Sale Packaged.

#### OIL PRESSURE SENDER KIT



#### 8M0068785

Includes sender and harness used with oil pressure gauges and 21 ft.(6.4 m) of

Fits Mercury/Mariner 25/30/40/45/50/60 (4-stroke).

#### ADMIRAL FUEL GAUGE



### 79-895291Q21

Anti-fog lens. White face and Black bezel; black graduations. 12 volt system and 240 ohm sender required.

Quicksilver Branded, Box Point of Sale Packaged.

### 79-895291B31

Anti-fog lens. White face and Black bezel; black graduations. 12 volt system and 240 ohm sender required. Bulk package of 24 pcs.

#### ADMIRAL POWER TRIM GAUGE



#### 79-895292Q21

Anti-fog lens. White face and black bezel; black graduations. Designed for models that have a sender already installed or installation of a sender kit purchased separately.

Fits MCM and Outboards

Quicksilver Branded, Box Point of Sale Packaged.

#### 9\_895292B31

Anti-fog lens. White face and black bezel; black graduations. Designed for models that have a sender already installed or installation of a sender kit purchased separately. Bulk package of 24 pcs.

Fits MCM and Outboards

Quicksilver Branded, Box Point of Sale Packaged.

### ADMIRAL DUAL ENGINE SYNCHRONIZER



### 79-895294Q21

Anti-fog lens. White face and Black bezel; black graduations. Connects to tachometers.

Fits both 2-stroke and 4-stroke gasoline engine applications. Requires a synchronizer driver unless already installed.

Quicksilver Branded, Box Point of Sale Packaged.

#### SYNCHRONIZER DRIVER



### 8M0053532

This product is used with the analog gauge to synchronize dual engines. Any Admiral, Flagship or International II gauges

### **ADMIRAL CRUISELOG GAUGE**



#### 79-895295Q21

Anti-fog lens. White face and Black bezel; black graduations. No illumination. Wiring included with this single pack.

Quicksilver Branded, Box Point of Sale Packaged.

### **INTERNATIONAL II FAMILY GAUGES**

Large gauge - fits 3-3/8 in.(86 mm) hole in dash. Small gauge - fits 2-1/8 in.(54 mm) hole in dash. 12 volt system. Tachometer selection and settings charts are located following the color group images.

#### INTENATIONAL II INSTRUMENT SET



### 79-895283Q41

Anti-fog lens. Black face and black bezel; orange/white graduations. Set includes 0-6000 RPM tachometer, oil pressure gauge, battery meter and water temperature gauge. All illuminated. Mounting hardware also included.

Fits MCM/MIE D3.0L, D3.6L, and 4.2L diesels (1994 & newer.)

Quicksilver Branded, Box Point of Sale Packaged.

### **INTENATIONAL II TACH**



#### 79-895283Q43

Anti-fog lens. 0-6000 RPM. 270 degree dial sweep.Black face and Black bezel; Orange/White graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require an AGI converter with Verado (Digital) engines.

### **INTERNATIONAL II TACH**



#### 79-895283Q45

Anti-fog lens. 0-7000 RPM. 270 degree dial sweep. Black face and Black bezel; Orange/White graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require an AGI converter with Verado (Digital) engines.

Quicksilver Branded, Box Point of Sale Packaged.

#### **INTERNATIONAL II TACH**



#### 9-895283046

Anti-fog lens. 0-8000 RPM. 270 degree dial sweep. Black face and Black bezel; Orange/White graduations. Outboards require a tachometer harness or ignition/choke assembly for connection. Fits 3-3/8 in. (85 mm) hole in dash.

For various Mercury Outboards and MCM products. Will require an AGI converter with Verado (Digital) engines.

Quicksilver Branded, Box Point of Sale Packaged.

### INTERNATIONAL II SPEEDOMETER



### 79-895285Q41

Anti-fog lens. 10-45 MPH . 270 degree dial sweep. Black face and black bezel; orange/white graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Quicksilver Branded, Box Point of Sale Packaged.

### **INTERNATIONAL II SPEEDOMETER**



#### 79-895285Q43

Anti-fog lens. 10-65 MPH . 270 degree dial sweep. Black face and blackbezel; orange/white graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Quicksilver Branded, Box Point of Sale Packaged.

### **INTERNATIONAL II SPEEDOMETER**



#### 79-895285Q44

Anti-fog lens. 10-80 MPH . 270 degree dial sweep. Black face and black bezel; orange/white graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Quicksilver Branded, Box Point of Sale Packaged.

#### **INTERNATIONAL II SPEEDOMETER**



### 79-895285Q48

Anti-fog lens. 10-50 Knots . 270 degree dial sweep. Black face and black bezel; orange/white graduations. Includes 20 ft.(6.1 m) of tubing. Fits 3-3/8 in. (85 mm) hole in dash.

Quicksilver Branded, Box Point of Sale Packaged.

### INTERNATIONAL II VOLT METER



### 79-895286Q41

Anti-fog lens. Black face and Black bezel; Orange/White graduations. Quicksilver Branded, Box Point of Sale Packaged.

#### INTERNATIONAL II WATER TEMPERATURE GAUGE



#### 79-895287Q41

Anti-fog lens. 100 deg.-240 deg.F gauge. Black face and Black bezel; Orange/

Fits all MCM/MIE gasoline engines and Mercury/Mariner V-6 outboards. Sender, if not already installed on the outboard, must be purchased separately. Quicksilver Branded, Box Point of Sale Packaged.

### INTERNATIONAL II WATER PRESSURE GAUGE



#### 79-895288Q41

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; Orange graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Réplacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Quicksilver Branded, Box Point of Sale Packaged.

### 79-895288Q42

Anti-fog lens. 1 to 15 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; Orange graduation. Service replacement gauge.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Quicksilver Branded, Box Point of Sale Packaged.

### INTERNATIONAL II WATER PRESSURE GAUGE



#### 79-895288Q43

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; Orange graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware.

Replacement hose not sold separate, obtain locally.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Quicksilver Branded, Box Point of Sale Packaged.

#### 79-895288Q44

Anti-fog lens. 2 to 30 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; Orange graduations. Service replacement gauge.

Fits Mercury/Mariner 25/30/40/45/50/75/90/115/225 (4-stroke), all V-6 (except 3.0L 1998 and older); and Force 75, 90 and 120. The 75/90/115/225 FourStroke outboards require a reducer fitting p/n 22-86306.

Quicksilver Branded, Box Point of Sale Packaged

#### INTERNATIONAL II WATER PRESSURE GAUGE



#### 79-895288Q45

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; Orange graduations. Complete kit. Includes 25 ft.(7.6 m) of tubing and hardware. Replacement hose not sold separate, obtain locally.

Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above.

Quicksilver Branded, Box Point of Sale Packaged.

#### 79-895288Q46

Anti-fog lens. 2 to 40 psi gauge with quick-connect terminals for connection to light. Black face and Black bezel; Orange graduations. Replacement gauge only. Fits 75-115 hp EFI FourStroke Outboards, serial number 1B366823 & above. Quicksilver Branded, Box Point of Sale Packaged.

### INTERNATIONAL II OIL PRESSURE GAUGE



### 79-895289Q41

Anti-fog lens. Black face and Black bezel; Orange/White graduations. Fits all MCM/MIE gasoline engines and Mercury/Mariner 25/30/40/45/50/225 (4-stroke) outboards. Sender, if not already installed on the outboard, must be purchased separately

Quicksilver Branded, Box Point of Sale Packaged

### OIL PRESSURE SENDER KIT



#### 8M0068785

Includes sender and harness used with oil pressure gauges and 21 ft.(6.4 m) of

Fits Mercury/Mariner 25/30/40/45/50/60 (4-stroke)

### INTERNATIONAL II FUEL GAUGE



#### 79-895291Q41

Anti-fog lens. Black face and Black bezel; Oraqnge/White graduations. Bulk Package of 24 pcs. 12 volt system and 240 ohm sender required. Quicksilver Branded, Box Point of Sale Packaged.

### INTERNATIONAL II TRIM GAUGE



### 79-895292Q41

Anti-fog lens. Black face and Black bezel; Orange/White graduations. 12 volt system

Quicksilver Branded, Box Point of Sale Packaged.

### INTERNATIONAL II DUAL ENGINE SYNCHRONIZER



#### 79-895294Q41

Anti-fog lens. Black face and Black bezel; Orange/White graduations. Connects to tachometers

Fits both 2-stroke and 4-stroke gasoline engine applications.

Quicksilver Branded, Box Point of Sale Packaged.

### SYNCHRONIZER DRIVER



#### 8M0053532

This product is used with the analog gauge to synchronize dual engines. Any Admiral, Flagship or International II gauges

### **INTERNATIONAL II CRUISELOG GAUGE**



#### 79-895295Q41

Anti-fog lens. Black face and Black bezel; Orange/White graduations. No illumination. Wiring included with this single pack.

Quicksilver Branded, Box Point of Sale Packaged.

### **QSS REPLACEMENT GAUGES**

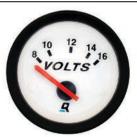
### **QSS SPEEDOMETER**



#### 79-883623Q 2

Stainless steel casing. 0-80 MPH. White face and bezel; black graduations. Fits 3-3/8 in. (86 mm) hole in dash.

### **QSS VOLTMETER**



### 79-883626Q 2

8-16 volts. White face and bezel; black graduations.

### **QSS POWER TRIM GAUGE**



### 79-883634Q 2

White face and bezel; back graduations. Fits MCM and Outboards

### **DEPTH SOUNDERS**

### DIGITAL DEPTH GAUGE KIT



#### 79-879292A01

Black face and black bezel. Digital depth readout to 199 feet, display is backlit for night operation. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge. Kit includes adjustable alarm, transom-mounted/inside-hull-mounted transducer. Easy to follow instructions. The affordable way to add more fun and safety to boating.

Available in Multiple bezel colors

Mercury Branded, Box Point of Sale Packaged.

#### DIGITAL DEPTH GAUGE KIT



#### 79-879292A02

White face and white bezel. Digital depth readout to 199 feet, display is backlit for night operation. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge. Kit includes adjustable alarm, transom-mounted/inside-hull-mounted transducer. Easy to follow instructions. The affordable way to add more fun and safety to boating.

Available in multiple bezel colors

Mercury Branded, Box Point of Sale Packaged.

### **DIGITAL DEPTH GAUGE KIT**



### 79-879292A03

Beige face and black bezel. Digital depth readout to 199 feet, display is backlit for night operation. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge. Kit includes adjustable alarm, transom-mounted/inside-hull-mounted transducer. Easy to follow instructions. The affordable way to add more fun and safety to boating.

Mercury Branded, Box Point of Sale Packaged.

#### **DIGITAL DEPTH GAUGE KIT**



#### 79-879292A04

Silver face and black bezel. Digital depth readout to 199 feet, display is backlit for night operation. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge. Kit includes adjustable alarm, transom-mounted/inside-hull-mounted transducer. Easy to follow instructions. The affordable way to add more fun and safety to boating.

Mercury Branded, Box Point of Sale Packaged.

#### **DIGITAL DEPTH GAUGE KIT**



#### 79-879292A05

Digital depth readout 2.5 ft to 200 ft display at speeds of up to 63 MPH. It has backlit lighting for night operation and incluudes the ability to set shallow water alarm. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge. Order face plate, bezel and transducer seperately (Standard bezel and face dial liste below)

Mercury Branded, Box Point of Sale Packaged.

### TRANSDUCER - IN HULL/TRANSOM DEPTH ONLY



#### 879292A08

Transducer that can be mounted In-Hull or Transom - Depth only Can be used on most boats - mounted to the outside of the transom

#### **BEZEL 52 MM**



#### 879292001

Bezel-Gold 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

### **BEZEL 52 MM**



Bezel-Chrome 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

### **BEZEL 52 MM**



#### 879292003

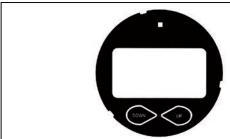
Bezel-Flat Black 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### **BEZEL 52 MM**



Bezel-White 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### **FACE PLATE**



Face Plate -Color Black 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

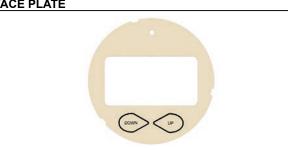
### **FACE PLATE**



#### 879292009

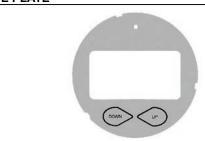
Face Plate -Color White 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

### **FACE PLATE**



Face Plate -Color Beige  $\,2$  inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### **FACE PLATE**



Face Plate -Color Silver 2 inch (52 MM) Bezel is a twist fit that has a round shape. Used on Depth Sounders only

#### **DIGITAL DEPTH/ TEMP GAUGE KIT**



### 79-879292K11

Digital depth readout dusplays 2.5 to 200 ft deep at speeds up to 63 MPH. Includes ability to set shallow water alarm warning. Also displays air or water

temp.
Display is backlit for night operation. Easy addition to any boat. Fits in a cutout for standard 2 in.(51 mm) gauge.

\*Order bezel and transducer seperately. (ProView bezel and special face dial listed below.) (Order with 879292A09 orA10 Transducers)

### **TRANSDUCER - THRU HULL**



#### 79-879292A09

Transducer for Depth and Temp gauge that has 2 3/4 inch threads for deep mounting

can be used in most sterndrive and inboard applications

#### **BEZEL 52 MM**



#### 8M0120346

Bezel-Chrome, 2 inch (52 MM). Bezel is a snap fit that has a round shape. Priced individually, sold @ multiples of 10

### **VDO FAMILY GAUGES**

# VDO PRIMARY STATION INSTRUMENTATION - STANDARD



#### 881800A 1

Pre-wired panel with 21 pin Deutsch connector for 1.7L stern drives/inboards. Basic Instrument Set. VDO tach, warning lights for low oil pressure, charge indicator, glow plug activation, coolant temp., water in fuel. Includes key switch, stop button, instrument lights/audio warning test switch.

Fits MCM.MIE - D1.7L DTI diesels.

# VDO PRIMARY STATION INSTRUMENTATION - OPTIONAL



#### 881801A 1

Optional pre-wired panel with 21 pin Deutsch connector for 1.7L stern drives. Full Instrument Set. VDO tach, oil pressure, water temperature, battery meter & trim guage. Also warning lights for low oil pressure, charge indicator, glow plug activation, coolant temp., water in fuel. Includes key switch, stop button, instrument lights/audio warning test switch.

Fits MCM D1.7L DTI diesels.

## SPEEDOMETER PICKUPS

### SPEEDOMETER PICKUP



### 77409A 1

Pickup and mounting screws only

### SPEEDOMETER PICKUP KIT



#### 77409B 1

For use with bulk pack speedometers. Includes pickup, misc. hardware and 20 ft. (6.1 m) of tubing.

Priced & packaged in qty. of 24

### SPEEDOMETER PICKUP TUBING



32-54950 53

53 ft.(16.15 m) tubing.

#### 32- 54950600

1 roll of 1500 ft.(457.5 m) tubing.

### WATER PRESSURE PICK-UP KITS

### **HOSE KIT**



#### 32-892156A01

Contains the necessary tubing, tee fitting and instruction sheet to allow the use of a 15 PSI Analog Water Pressure Gauge with the otherwise digital 1.5L OptiMax outboard.

Fits the 75/90/115hp (1.5L) OptiMax Outboard Engine, Model Year 2004 and newer

### **TUBING-BULK 100 FEET**



### 32-859785100

Bulk water pressure tubing. 5/32 OD x 3/32 ID. 100 foot length. Color Gray.

### **ANALOG WATER PRESSURE FITTING KIT**



### 32-8M0088855

Fitting kit allows installation of an analog water pressure gauges to the engine. 2.1L F75-115 Four Stroke

### LAGREE FITTING FOR 2-40 PSI- WATER PRESSURE



#### 22-896094A01

Fitting that connects to block to hook up Water pressure gauge. This fitting is included in the 40 psi gauge "kit".

Fits 75-115 hp EFI FourStroke outboards, serial number 1B366823-2B094995.

## WATER PRESSURE KIT



#### 8M0059531

Components needed for water pressure gauges 150 4 Stroke Engines

### **ANALOG BLOCK WATER PRESSURE SENDER**



### 8M0145165

Optional kit to add analog block water pressure feature to a digital engine Applicable to DTS 3.4L V6 and 4.6L V8 engines (mechanical engines have this sensor as standard)

# WATER TEMPERATURE SENDERS

Water temperature senders used for operation of a temperature gauge.

#### WATER TEMPERATURE SENDER



#### 13536A13

A two wire temperature sender for use on V-6 outboard product. Furnished standard on engine powerhead, the fiche card specific to the application should be used to verify correct use.

# WATER TEMPERATURE SENDER



#### 13536A14

A four wire temperature sender for use on V-6 outboard product. Furnished standard on engine powerhead, the fiche card specific to the application should be used to verify correct use.

# WATER TEMPERATURE SENDER



#### 12415

(1/8"-27 NPT threads) Fits outboard applications.

# **TEMPERATURE SENDER KIT**

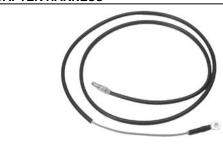


#### 12415A 2

Allows adding a temperature sender to outboards equipped with a factory built coastal flush. Includes a temperature sender, fittings, cable ties and instruction sheet. This kit provides for the use of a coastal flush and a temperature sender at the same time.

Fits Mercury/Mariner 75-125 hp. (1993 and newer) 2 cycle outboards. Primarily designed for adding to a Saltwater model which comes with the coastal flush as standard equipment.

#### ADAPTER HARNESS



#### 84-11149A55

Allows water temperature gauge hook-up to the 225 EFI FourStroke outboard.

# WATER TEMPERATURE SENDER



#### 15995

Used for temperature gauge Fits MCM 3.7L engines

# **ENGINE WATER TEMPERATURE SENDER**



#### 49734

For dual station installations, used for temperature gauge Fits MCM/MIE engines

# WATER TEMPERATURE SENDER



#### 806490T

3/8 in. x 18 NPT threads, used for temperature gauge Fits MCM/MIE engines

# WATER TEMPERATURE SENDER



#### 97258A 1

1/2 in. x 14 NPT threads, used for temperature gauge Fits MCM/MIE engines

# **COOLANT TEMPERATURE SENDER**



#### 805218T

Used for temperature gauge Fits MCM/MIE EFI models

# **OIL PRESSURE SENDERS**

# OIL PRESSURE SENSOR KIT



#### 866814A01

Required when SmartCraft is installed on 3.0L MPI & Vazer engines. Replaces the original analog oil pressure sensor with a digital sensor. Fits MCM 3.0L MPI & Vazer engines

# **OIL PRESSURE SENDER**



#### 8M0068784

For use with 80 psi electric oil pressure gauge

# **OIL PRESSURE SENDER KIT**



#### 8M0068785

Includes sender and harness used with oil pressure gauges and 21 ft.(6.4 m) of wire

Fits Mercury/Mariner 25/30/40/45/50/60 (4-stroke).

# **OIL PRESSURE SENDER**



# 8M0068784

For use with 80 psi electric oil pressure gauge

# OIL PRESSURE SENDER



#### 889835A01

150 PSI oil gauge sender with a 90 degree elbow and installation instruction sheet. F225 4 stroke engine

# **POWER TRIM SENDERS**

# **POWER TRIM SENDER**



#### 805320A03

Includes trim limit switch also.
Fits MC-I, R, MR, Alpha One, Gen II, Bravo drives.

#### **POWER TRIM SENDER**



#### 805130A 6

For dual station applications.
Fits MCM I/R/MR/Alpha One/Gen II/Bravo One & Two drives.

# **POWER TRIM SENDER**



# 805130A8

For dual station applications. Fits MCM TR & TRS drives.

# **POWER TRIM SENDER CONVERSION KIT**



### 805134A 3

Converts single station sender to a dual station sender. Fits MCM Alpha One/Gen II/Bravo One & Two drives.

# **ANALOG TRIM SENDER (PORT MOUNT)**



#### 8M0098273

Port mount analog trim sender (black color) 40-60 Family 2, 75-115 EFI and Optimax (not digital Optimax) - Port mount only

# ANALOG TRIM SENDER (STARBOARD MOUNT)



#### 8M0098264

Starboard mount analog trim sender (natural color) 40-60 Family 2, 75-115 EFI and Optimax - Starboard mount only

# **POWER TRIM SENDER**



# 822573A12

Port mounted. Contains 6-32 threaded mounting screws. Fits various in-line outboards. See application chart for specific engine models.

# **POWER TRIM SENDER**



### 859187A 1

Port mounted.

Fits all SmartCraft compatible engines.

# **POWER TRIM SENDER**



# 896688001

Digital Trim Sender

See Electronic Parts Catalog for all applications

# **POWER TRIM SENDER**



#### 888617001

Starboard mounted.

Fits the Mercury/Mariner V-225 FourStroke outboard engine.

# **POWER TRIM SENDER**



#### 891777A01

Starboard Mounted. Required for digital gauge applications.

Fits SmartCraft compatible engines.

# TRIM SENSOR CONVERTER KIT



#### 8M0059529

This kit will allow you to convert the signal from the digital sensor to an analog signal. It will allow you to drive an analog gauge for trim only without changing the sensor to an analog sensor. This kit will connect directly to the harness inside the emgine cowl.

F150 EFI FourStroke outboard engine only

# TRIM CONVERTER AND TILT UP LIMIT KIT



#### 8M0118725

This kit allows the conversion of the trim signal from the analog sender to a digital output for Smartcraft gauge applications. The kit also has an additional feature that allows the max tilt up positon to be set to avoid interference when tilting the engine completely up.

2.1L F75-115 Four Stroke

# **POWER TRIM SENDER CHART**

# Mercury/Mariner Trim Senders

Model	Brand	Model Notes	Year Range	Country	Serial # Range	Port Mount Trim Sender	Stbd. Mount Trim Sender
25 FourStroke	Mercury/Mariner	Carb Models only	1998 - 2006	USA	0G590000 and up	822573A12	N/A
25 FourStroke	Mercury/Mariner	Carb Models only	1999 - 2006	BEL	0P017000 and up	822573A12	N/A
25 FourStroke	Mercury/Mariner	EFI w/ 6-32 threads	2006 - 2019	JPN	0R106999 and up	822573A12	N/A
25 FourStroke	Mercury/Mariner	EFI w/ 6-32 threads	2006 - 2019	BEL	0P401000 and up	822573A12	N/A
30	Mercury/Mariner	2 cylinder	1995 - 2019	USA	0G124405 and up	822573A12	N/A
30	Mercury/Mariner	2 cylinder	1995 - 2019	BEL	9840763 and up	822573A12	N/A
30 FourStroke	Mercury/Mariner	3 cylinder Non-BigFoot Models.	1999 - 2005	USA	0G760300 - 1B226999	N/A	8M0098264
30 FourStroke	Mercury/Mariner	3 cylinder Non-BigFoot models.	1999 - 2005	BEL	0P017000 - 0P400999	N/A	8M0098264
30 FourStroke	Mercury/Mariner	EFI w/ 6-32 threads	2006 - 2019	JPN	0R106999 and up	822573A12	N/A

# **ANALOG INSTRUMENTS**

Model	Brand	Model Notes	Year Range	Country	Serial # Range	Port Mount Trim Sender	Stbd. Mount Trim Sender
30 FourStroke	Mercury/Mariner	EFI w/ 6-32 threads	2006 - 2019	BEL	0P401000 and up	822573A12	N/A
30 JET	Mercury/Mariner	4 cylinder	1993 - 1997	USA	0C159200 - 0G589999	N/A	N/A
30 JET	Mercury/Mariner	3 cylinder	1998 - 2000	USA	0G590000 - 0T178499	822573A12	N/A
30 JET	Mercury/Mariner	3 cylinder	1999 - 2000	BEL	0P017000 - 0P094499	822573A12	N/A
35	Mercury/Mariner	2 cylinder	1984 - 1989	USA	6445653 - 0C221999	N/A	N/A
35	Mercury/Mariner	2 cylinder	1984 - 1989	BEL	9384476 and up	N/A	N/A
35	Mercury/Mariner	2 cylinder	1984 - 1989	CAN	7209608 and up	N/A	N/A
40	Mercury/Mariner	4 cylinder with integral trim.	1989 - 1992	USA	0C159200 - 0D181999	N/A	N/A
40	Mercury/Mariner	4 cylinder with integral trim.	1989 - 1992	BEL	9570790 - 9740999	N/A	N/A
40	Mercury/Mariner	4 cylinder	1993 - 1997	USA	0D182000 - 0G589999	N/A	8M0098264
40	Mercury/Mariner	4 cylinder	1993 - 1997	BEL	9741000 - 9973099	N/A	8M0098264
40	Mercury/Mariner	2 cylinder	1995 - 2019	USA	0G124405 and up	822573A12	N/A
40	Mercury/Mariner	2 cylinder	1995 - 2019	BEL	9840763 and up	822573A12	N/A
40	Mercury/Mariner	3 cylinder, 59 CID, Long shaft only.	1997 1/2 - 2019	USA	0G531301 and up	822573A12	N/A
40	Mercury/Mariner	3 cylinder, 59 CID, Long shaft only.	1997 1/2 - 2019	BEL	9973100 and up	822573A12	N/A
40 FourStroke	Mercury/Mariner	3 cylinder Non-BigFoot models.	1999 - 2019	USA	0G760300 and up	N/A	8M0098264
40 FourStroke	Mercury/Mariner	3 cylinder Non-BigFoot models.	1999 - 2019	BEL	0P017000 and up	N/A	8M0098264
40 FourStroke	Mercury/Mariner	3 cylinder BigFoot models.	1999 - 2002	USA	0G760300 - 0T408999	N/A	8M0098264
40 FourStroke	Mercury/Mariner	3 cylinder BigFoot models.	1999 - 2002	BEL	0P017000 - 0P153499	N/A	8M0098264
40 FourStroke	Mercury/Mariner	4 cylinder Italy/Bodensee	1995 - 1998	USA	0G231123 - 0G760299	822573A12	N/A
40 FourStroke	Mercury/Mariner	4 cylinder Italy/Bodensee	1999 - 2000	BEL	0P073323 - 0P094499	N/A	8M0098264
40 FourStroke	Mercury/Mariner	4 cylinder, 996 cc., BigFoot models.	2001 - 2019	USA	0T228405 - 1B344306	N/A	8M0098264
40 FourStroke	Mercury/Mariner	4 cylinder, 996 cc., BigFoot models.	2001 - 2019	BEL	0P094500 and up	N/A	8M0098264
40 FourStroke	Mercury/Mariner	4 cylinder, 996 cc., BigFoot models.	2006 - 2019	CHN	1C000001 and up	N/A	8M0098264
40 JET	Mercury/Mariner	r ojimaor, ooo oo, sigi oo moadio.	2001 - 2019	USA	0T178500 and up	822573A12	N/A
40 JET	Mercury/Mariner		2001 - 2019	BEL	0P094500 and up	822573A12	N/A
45	Mercury/Mariner	4 cylinder	1986 - 1989	USA	5531630 - 0D000749	N/A	N/A
45	Mercury/Mariner	4 cylinder	1986 - 1989	AUS	8063985 and up	N/A	N/A
45	Mercury/Mariner	4 cylinder	1986 - 1989	BEL	9248006 - 9683054	N/A	N/A
45	Mercury/Mariner	4 cylinder	1986 - 1989	CAN	7143688 and up	N/A	N/A
45 FourStroke	Mercury/Mariner	4 cylinder Italy/Bodensee	1995 - 1998	USA	0G231123 - 0G760299	822573A12	N/A
45 FourStroke	Mercury/Mariner	4 cylinder Italy/Bodensee	1999 - 2000	BEL	0P073323 - 0P094499	N/A	8M0098264
45 JET	Mercury/Mariner	3 cylinder, 51.8 CID	1993 - 1997	USA	0D182000 - 0G589999	N/A	8M0098264
45 JET	Mercury/Mariner	3 cylinder, 59 CID	1998 - 2000	USA	0G590000 - 0T178499	822573A12	N/A
45 JET	Mercury/Mariner	3 cylinder, 59 CID	1998 - 2000	BEL	0P017000 - 0P094499	822573A12	N/A
50	Mercury/Mariner	4 cylinder with external trim.	1976 - 1985	USA	4357640 - 6428680	N/A	N/A
50	Mercury/Mariner	4 cylinder with external trim.	1976 - 1985	AUS	8030090 and up	N/A	N/A
50	Mercury/Mariner	4 cylinder with external trim.	1976 - 1985	BEL	9107214 - 9469199	N/A	N/A
50	Mercury/Mariner	4 cylinder with external trim.	1976 - 1985	CAN	7068998 - 7208332	N/A	N/A
50	Mercury/Mariner	3 cylinder with external trim.	1986 - 1992	USA	6428681 - 0D181999	N/A	N/A
1	Mercury/Mariner	3 cylinder with external trim.	1986 - 1992		9385911 - 9733881		
50	Mercury/Mariner	3 cylinder with external trim.		BEL		N/A	N/A
50	•	•	1986 - 1992	CAN	7208333 and up	N/A	N/A
50	Mercury/Mariner	3 cylinder, 51.8 CID	1993 - 1997	USA	0D182000 - 0G589999	N/A	8M0098264
50	Mercury/Mariner	3 cylinder, 51.8 CID	1993 - 1997	BEL	9733882 - 9973099	N/A	8M0098264
50	Mercury/Mariner	3 cylinder, 59 CID	1998 - 2019	USA	0G590000 and up	822573A12	N/A
50	Mercury/Mariner	3 cylinder, 59 CID	1998 - 2019	BEL	9973100 and up	822573A12	N/A
50 FourStroke	Mercury/Mariner	4 cylinder Non-BigFoot models.	1995 - 1998	USA	0G231123 - 0G760299	822573A12	N/A
50 FourStroke	Mercury/Mariner	4 cylinder Non-BigFoot models.	1999 - 2000	USA	0G760300 - 0T178499	N/A	8M0098264
50 FourStroke	Mercury/Mariner	4 cylinder BigFoot models.	1998 - 2000	USA	0G590000 - 0T178499	N/A	8M0098264
50 FourStroke	Mercury/Mariner	4 cylinder, 996 cc., all models.	2001 - 2019	USA	0T178500 - 1B344306	N/A	8M0098264
50 FourStroke	Mercury/Mariner	4 cylinder, 996 cc., all models.	2001 - 2019	BEL	0P094500 and up	N/A	8M0098264
50 FourStroke	Mercury/Mariner	4 cylinder, 996 cc., BigFoot models.	2006 - 2019	CHN	1C000001 and up	N/A	8M0098264

Model	Brand	Model Notes	Year Range	Country	Serial # Range	Port Mount Trim Sender	Stbd. Mount Trim Sender
55	Mercury/Mariner	3 cylinder, 51.8 CID	1996 - 1997	USA	0D00750 - 0G589999	N/A	N/A
55	Mercury/Mariner	3 cylinder, 51.8 CID	1996 - 1997	BEL	9741042 - 9973099	N/A	N/A
55	Mercury/Mariner	3 cylinder, 59 CID	1998 - 2019	USA	0G590000 and up	N/A	8M0098264
55	Mercury/Mariner	3 cylinder, 59 CID	1998 - 2019	BEL	9973100 and up	N/A	8M0098264
60	Mercury/Mariner	3 cylinder with external trim.	1984 - 1987	USA	6428681 - 0B122929	N/A	N/A
60	Mercury/Mariner	3 cylinder with external trim.	1984 - 1987	BEL	9385911 - 9469199	N/A	N/A
60	Mercury/Mariner	3 cylinder with external trim.	1984 - 1987	CAN	7208333 - 0A721307	N/A	N/A
60	Mercury/Mariner	3 cylinder with internal trim.	1989 - 1992	USA	0C160936 - 0D181999	N/A	N/A
60	Mercury/Mariner	3 cylinder with internal trim.	1989 - 1992	BEL	9469200 - 9733881	N/A	N/A
60	Mercury/Mariner	3 cylinder with internal trim.	1989 - 1992	CAN	0A721308 and up	N/A	N/A
60	Mercury/Mariner	3 cylinder, all models.	1993 - 2019	USA	0D182000 and up	N/A	8M0098264
60	Mercury/Mariner	3 cylinder, all models.	1993 - 2019	BEL	9733882 and up	N/A	8M0098264
60 FourStroke	Mercury/Mariner	4 cylinder, 996 cc., all models.	2001 - 2019	USA	0T178500 - 1B344306	N/A	8M0098264
60 FourStroke	Mercury/Mariner	4 cylinder, 996 cc., all models.	2001 - 2019	BEL	0P094500 and up	N/A	8M0098264
60 FourStroke	Mercury/Mariner	4 cylinder, 996 cc., BigFoot models.	2006 - 2019	CHN	1C000001 and up	N/A	8M0098264
70	Mercury/Mariner	3 cylinder with 3-ram trim.	1987 - 1989	USA	0A966142 - 0C221999	8M0098273	N/A
70	Mercury/Mariner	3 cylinder with 3-ram trim.	1987 - 1989	BEL	9502500 - 9589032	8M0098273	N/A
70	Mercury/Mariner	3 cylinder with single ram trim.	1987 - 1989	USA	0A966142 - 0C221999	N/A	8M0098264
70	Mercury/Mariner	3 cylinder with single ram trim.	1987 - 1989	BEL	9502500 - 9589032	N/A	8M0098264
75	Mercury/Mariner	4 cylinder with 3-ram trim.	1984 - 1987	USA	6428681 - 0B122929	8M0098273	N/A
75	Mercury/Mariner	4 cylinder with 3-ram trim.	1984 - 1987	BEL	9385911 - 9469199	8M0098273	N/A
75	Mercury/Mariner	4 cylinder with 3-ram trim.	1984 - 1987	CAN	7208333 - 0A721307	8M0098273	N/A
75	Mercury/Mariner	4 cylinder with single ram trim.	1984 - 1987	USA	6428681 - 0B122929	N/A	8M0098264
75	Mercury/Mariner	4 cylinder with single ram trim.	1984 - 1987	BEL	9385911 - 9469199	N/A	8M0098264
75	Mercury/Mariner	4 cylinder with single ram trim.	1984 - 1987	CAN	7208333 - 0A721307	N/A	8M0098264
75	Mercury/Mariner	3 cylinder with 3-ram trim.	1987 - 1997 1/2	USA	0A966142 - 0G531985	8M0098273	N/A
75	Mercury/Mariner	3 cylinder with 3-ram trim.	1987 - 1997 1/2	BEL	9502500 - 9502500	8M0098273	N/A
75	Mercury/Mariner	3 cylinder with single ram trim.	1987 - 2019	USA	0A966142 and up	N/A	8M0098264
75	Mercury/Mariner	3 cylinder with single ram trim.	1987 - 2019	BEL	9502500 and up	N/A	8M0098264
75 Optimax	Mercury/Mariner	1.5L DFI, non-digital sender.	2004 - 2019	USA	0T800750 and up	N/A	8M0098264(1)
75 Optimax	Mercury/Mariner	1.5L DFI, digital sender.	2004 - 2019	USA	0T800750 and up	N/A	891777A01(2)
75 FourStroke	Mercury/Mariner	1.32 Di i, digital scridol.	2004 - 2015	USA	0G960500 - 1B366822	N/A	8M0098264
75 FourStroke	Mercury/Mariner		2006 - 2019	00/1	1B366823 - 2B094955	N/A	8M0098264
80	Mercury/Mariner	4 cylinder with external trim.	1978 - 1983	USA	4831999 - 6432900	N/A	N/A
80	Mercury/Mariner	4 cylinder with external trim.	1978 - 1983	AUS	8050200 and up	N/A	N/A
80	Mercury/Mariner	4 cylinder with external trim.	1978 - 1983	BEL	9177626 - 9393855	N/A	N/A
		4 cylinder with external trim.					
80	Mercury/Mariner Mercury/Mariner	3 cylinder with 3-ram trim.	1978 - 1983 1987 - 1989	USA	7110998 - 7208572 0A966142 - 0C221999	N/A 8M0098273	N/A N/A
80	Mercury/Mariner	3 cylinder with 3-ram trim.	1987 - 1989	BEL	9502500 - 9589032	8M0098273	N/A
80	Mercury/Mariner	3 cylinder with single ram trim.	1987 - 1989		0A966142 - 0C221999		8M0098264
80		· ·		USA		N/A	
	Mercury/Mariner	3 cylinder with single ram trim.	1987 - 1989	BEL	9502500 - 9589032	N/A	8M0098264
90	Mercury/Mariner	6 cylinder with external trim.	1978 - 1986	USA	4845301 - 0A966141	N/A	N/A
90	Mercury/Mariner	6 cylinder with external trim.	1978 - 1986	AUS	8060545 and up	N/A	N/A
90	Mercury/Mariner	6 cylinder with external trim.	1978 - 1986	CAN	7111698 and up	N/A	N/A
90	Mercury/Mariner	3 cylinder with 3-ram trim.	1987 - 1997 1/2	USA	0A966142 - 0G531985	8M0098273	N/A
90	Mercury/Mariner	3 cylinder with 3-ram trim.	1987 - 1997 1/2	BEL	9502500 - 9502500	8M0098273	N/A
90	Mercury/Mariner	3 cylinder with single ram trim.	1987 - 2019	USA	0A966142 and up	N/A	8M0098264
90	Mercury/Mariner	3 cylinder with single ram trim.	1987 - 2019	BEL	9502500 and up	N/A	8M0098264
90 Optimax	Mercury/Mariner	1.5L DFI, non-digital sender.	2004 - 2019	USA	0T800750 and up	N/A	8M0098264(1)
90 Optimax	Mercury/Mariner	1.5L DFI, digital sender.	2004 - 2019	USA	0T800750 and up	N/A	891777A01(2)
90 FourStroke	Mercury/Mariner		2000 - 2006	USA	0G960500 - 1B366822	N/A	8M0098264
90 FourStroke	Mercury/Mariner		2006 - 2019	USA	1B366823 - 2B094955	N/A	8M0098264

# **ANALOG INSTRUMENTS**

Model	Brand	Model Notes	Year Range	Country	Serial # Range	Port Mount Trim Sender	Stbd. Mount Trim Sender
100	Mercury/Mariner	4 cylinder with 3-ram trim.	1988 - 1993	USA	0B209468 - 0D283221	8M0098273	8M0098264
100	Mercury/Mariner	4 cylinder with 3-ram trim.	1988 - 1993	BEL	9523034 - 9793576	8M0098273	8M0098264
100	Mercury/Mariner	4 cylinder with single ram trim.	1988 - 2019	USA	0B209468 and up	N/A	8M0098264
100	Mercury/Mariner	4 cylinder with single ram trim.	1988 - 2019	BEL	9523034 and up	N/A	8M0098264
115	Mercury/Mariner	6 cylinder with external trim.	1978 - 1988	USA	4855153 - 0C099999	N/A	N/A
115	Mercury/Mariner	6 cylinder with external trim.	1978 - 1988	AUS	8051950 and up	N/A	N/A
115	Mercury/Mariner	6 cylinder with external trim.	1978 - 1988	CAN	7112248 and up	N/A	N/A
115	Mercury/Mariner	4 cylinder with 3-ram trim.	1988 - 1993	USA	0B209468 - 0D283221	8M0098273	8M0098264
115	Mercury/Mariner	4 cylinder with 3-ram trim.	1988 - 1993	BEL	9523034 - 9793576	8M0098273	8M0098264
115	Mercury/Mariner	4 cylinder with single ram trim.	1988 - 2019	USA	0B209468 and up	N/A	8M0098264
115	Mercury/Mariner	4 cylinder with single ram trim.	1988 - 2019	BEL	9523034 and up	N/A	8M0098264
115 Optimax	Mercury/Mariner	2.5L DFI, non-digital sender.	2000	USA	0G960500 - 0T178499	8M0098273(1)	N/A
115 Optimax	Mercury/Mariner	2.5L DFI, digital sender.	2000	USA	0G960500 - 0T178499	859187A 1(2)	N/A
115 Optimax	Mercury/Mariner	1.5L DFI, non-digital sender.	2004 - 2019	USA	0T800750 and up	N/A	8M0098264(1)
115 Optimax	Mercury/Mariner	1.5L DFI, digital sender.	2004 - 2019	USA	0T800750 and up	N/A	891777A01(2)
115 FourStroke	Mercury/Mariner	EFI	2001 - 2005	USA	0T178500 - 1B366822	N/A	8M0098264
115 FourStroke	Mercury/Mariner	EFI	2006 - 2019	USA	1B366823 - 2B094955	N/A	8M0098264
125	Mercury/Mariner	4 cylinder	1994 - 2019	USA	0D283222 and up	N/A	8M0098264
125	Mercury/Mariner	4 cylinder	1994 - 2019	BEL	9793577 and up	N/A	8M0098264
225 FourStroke	Mercury/Mariner		2003 - 2019	USA	0T653945 and up	N/A	888617001(1)
V-6	Mercury/Mariner	Non-digital sender & 3-ram trim.	All	USA	All - All	8M0098273(1)	N/A
V-6	Mercury/Mariner	Digital sender & 3-ram trim.	2000 - 2019	USA	0G960500 and up	859187A 1(2)	N/A

<sup>(1)</sup> For use with analog gauges.

# **SERVICE MONITORS**

Digital tach and hourmeter. Features LCD display and resettable hourmeter.

# **SERVICE MONITOR**



# 79-8M0050399

Fits most Outboards and gasoline MCM/MIE engines. Will not work with diesel product, Verado outboards or the F75-115 FourStroke outboard 1B366823-2B094955. Replaces old versions with a universal product. Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **INSTRUMENT HOLE COVER KIT**

Allows pre-drilling dash for adding 2-1/8 in.(54 mm) gauges at a later date.

# **INSTRUMENT HOLE COVER KIT**



<sup>(2)</sup> For use with 555 controller and SmartCraft gauges or monitors.

# MECHANICAL TRIM POSITION INDICATORS - 1 POINTER

Cables not included with indicator kits. Order F5H208/\_ cables or 64-820676A\_ cables to proper length. Trim position indicator and bezel selection chart available within the Instrument section.

#### TRIM POSITION INDICATOR



#### 848444A 6

1 pointer. Bottom cable entry. White faceplate and bezel. Fits single sterndrive.

#### 848445A 1

1 pointer. Top cable entry. Gray faceplate and black bezel. Fits single sterndrive.

#### TRIM POSITION INDICATOR



#### 848445A 6

1 pointer. Top cable entry. White faceplate and bezel.

Fits single sterndrive.

# MECHANICAL TRIM POSITION INDICATORS - 2 POINTER

Cables not included with indicator kits. Order F5H208/\_ cables or 64-820676A\_ cables to proper length. Trim position indicator and bezel selection chart available within the Instrument section.

# TRIM POSITION INDICATOR



# 845313A 1

2 pointer. Top cable entry. Gray faceplate and black bezel.

Fits twin MCM sterndrives or trim tabs.

# TRIM POSITION INDICATOR



#### 845313A 6

2 pointer. Top cable entry. White faceplate and bezel. Fits twin MCM sterndrives or trim tabs.

#### TRIM POSITION INDICATOR



#### 845314A 6

2 pointer. Bottom cable entry. White faceplate and bezel. Fits twin MCM sterndrives or trim tabs.

# MECHANICAL TRIM POSITION INDICATORS - 3 POINTER

Cables not included with indicator kits. Order F5H208/\_ cables or 64-820676A\_ cables to proper length. Trim position indicator and bezel selection chart available within the Instrument section.

# TRIM POSITION INDICATOR



#### 845765A 6

3 pointer. Top cable entry. White faceplate and bezel.

Fits triple MCM sterndrives or single MCM sterndrive and twin trim tabs.

# **ANALOG INSTRUMENTS**

# TRIM POSITION INDICATOR



#### 845766A 6

3 pointer. Bottom cable entry. White faceplate and bezel. Fits triple MCM sterndrives or single MCM sterndrive and twin trim tabs.

# MECHANICAL TRIM POSITION INDICATORS - 4 POINTER

Cables not included with indicator kits. Order F5H208/\_ cables or 64-820676A\_ cables to proper length. Trim position indicator and bezel selection chart available within the Instrument section.

# TRIM POSITION INDICATOR



#### 844945A 1

4 pointer. Bottom cable entry. Gray faceplate and black bezel. Fits twin MCM sterndrives and twin trim tabs.

# TRIM POSITION INDICATOR



#### 844945A 6

4 pointer. Bottom cable entry. White faceplate and bezel. Fits twin MCM sterndrives and twin trim tabs.

# TRIM POSITION INDICATOR



#### 844944A 1

4 pointer. Top cable entry. Gray faceplate and black bezel. Fits twin MCM sterndrives and twin trim tabs

# TRIM POSITION INDICATOR



#### 844944A 6

4 pointer. Top cable entry. White faceplate and bezel. Fits twin MCM sterndrives and twin trim tabs

# TRIM POSITION INDICATOR



#### 845983A 1

4 pointer. Bottom cable entry. Gray faceplate and black bezel. Fits twin MCM sterndrives and twin trim tabs.

# TRIM POSITION INDICATOR



### 845983A 6

4 pointer. Bottom cable entry. White faceplate and bezel. Fits twin MCM sterndrives and twin trim tabs.

# MECHANICAL TRIM POSITION INDICATORS - 5 POINTER

Cables not included with indicator kits. Order F5H208/\_cables or 64-820676A\_cables to proper length. Trim position indicator and bezel selection chart available within the Instrument section.

# TRIM POSITION INDICATOR



#### 845457A 1

5 pointer. Bottom cable entry. Gray faceplate and black bezel. Fits triple MCM sterndrives and twin trim tabs.

# TRIM POSITION INDICATOR



# 845457A 6

5 pointer. Bottom cable entry. White faceplate and bezel. Fits triple MCM sterndrives and twin trim tabs.

# MECHANICAL TRIM POSITION INDICATOR ACTUATOR KITS

# **ACTUATOR KIT**



#### 04

Fits MCM Alpha - V SSM sterndrives

# **CABLE GRIP KIT**



#### 846066A 1

Angled stainless steel through-transom fitting for trim position (cable not included).

# **CABLE GRIP KIT**



#### 846793A 1

Straight stainless steel through-transom fitting for trim position (cable not included).

# MECHANICAL TRIM ACTUATOR KIT M-SERIES TRANSOM



# 8M0124387

Attaching kit for mechanical trim indication

To be used on M-Series transom when using mechanical indicators

# MECHANICAL TRIM POSITION INDICATOR & BEZEL CHART

#### **Trim Position Indicators**

Model	Model Note	Black Bezel Gray Faceplate Bottom Cable Entry	White Bezel White Faceplate Bottom Cable Entry	Black Bezel Gray Faceplate Top Cable Entry	White Bezel White Faceplate Top Cable Entry
1 pointer	1 sterndrive or 1 paralift		848444A 6	848445A 1	848445A 6
2 pointer	2 MCM Alpha - V SSM sterndrives or 2 trim tabs		845314A 6	845313A 1	845313A 6
2 pointer	2 MCM VI - VII SSM	845313A 1	845313A 6		845314A 6

# **ANALOG INSTRUMENTS**

Model	Model Note	Black Bezel Gray Faceplate Bottom Cable Entry	White Bezel White Faceplate Bottom Cable Entry	Black Bezel Gray Faceplate Top Cable Entry	White Bezel White Faceplate Top Cable Entry
	sterndrives or 2 trim tabs				
3 pointer	3 MCM Alpha - V SSM sterndrives	N.L.A.	845765A 6		845766A 6
3 pointer	3 MCM VI - VII SSM sterndrives or 1 MCM sterndrive		845766A 6	N.L.A.	845765A 6
4 pointer	2 MCM Alpha - V SSM sterndrives and 2 trim tabs	844945A 1	844945A 6	844944A 1	844944A 6
4 pointer	2 MCM VI - VII SSM sterndrives and 2 trim tabs or	845983A 1	845983A 6	N.L.A.	N.L.A.
5 pointer	3 MCM Alpha - V SSM sterndrives and 2 trim tabs	845457A 1	845457A 6	N.L.A.	N.L.A.
5 pointer	3 MCM VI - VII SSM sterndrives and 2 trim tabs or	N.L.A.	N.L.A.	N.L.A.	N.L.A.

# DIGITAL THROTTLE AND SHIFT REMOTE CONTROLS

# DIGITAL THROTTLE AND SHIFT REMOTE CONTROLS

# **CONTROLS-PANEL**

# PANEL MOUNT CONTROL-DTS (CHROME)



#### 892984A01

The Panel Mount control features a chrome handle and incorporates start/stop and a throttle button in the grip. It also includes a built-in lanyard switch with cord and mounting hardware.

This control is designed for 2007 DTS engines and newer.

# PANEL MOUNT CONTROL- DTS (BLACK)



# 892984A02

The Panel Mount control features a black handle and incorporates start/stop and a throttle button in the grip. It also includes a built-in lanyard switch with cord and mounting hardware.

This control is designed for 2007 DTS engines and newer.

#### **BEZEL KIT**



# 880861A 1 Woodgrain bezel

Fits all DTS and MPC 4000 panel mount remote controls. Pistol Grip two piece design and all side mount DTS controls.

# **BEZEL KIT**



#### 880861A 2

Burlwood Gold woodgrain bezel

Fits all DTS and MPC 4000 panel mount remote controls. Pistol Grip two piece design and all side mount DTS controls.

# **FOOT THROTTLE CONTROL**

# **DTS HOT FOOT**



#### 893359K03

This feature allows for precise throttle control with a foot pedal. The use of the Hot Foot floor mounted foot throttle will allow the driver to operate with both hands on the steering wheel while operating the throttle with the Hot Foot.

### SWITCH KIT- ON / OFF KIT



#### 898259K01

This switch will allow you to turn the foot throttle on or off and has a light that will advise if it is on. The kit snaps into the current DTS Panel Mount controls.

This switch kit is designed for 2007 DTS applications and newer. To backfit to 2006 engines a DTS Command Module Harness is needed.

# DIGITAL THROTTLE AND SHIFT REMOTE CONTROLS

# **CONTROLS-CONSOLE-SINGLE**

# SLIM BINACLE CONTROL WITH NO TRIM



#### 8M0079290

The single engine DTS Electronic Remote Control (ERC) features include: Start stop button, Dock mode button, Helm transfer button, Throttle only function button and a Mercury global dimming button.

This control is designed for 2007 DTS engines and newer. This control is a non-trim control.

#### DTS-SLIM CONSOLE-SINGLE-TRIM



# 8M0079291

The single engine DTS Electronic Remote Control (ERC) features include: Start stop button, Dock mode button, Helm transfer button, Throttle only function button and a Mercury global dimming button.

This control is designed for 2007 DTS engines and newer.

# **CONTROLS-CONSOLE DUAL**

# **DTS CONSOLE - DUAL - NON TRIM**



#### 8M0079286

The DTS dual handle Electronic Remote Control (ERC) features include: Throttle only button, Dock mode button, 1 Lever Mode button, Helm transfer button, Sync button, Mercury global dimming, individual engine trim buttons on the pad and a Neutral indicator light.

This control is a non-trim control.

This control is designed for 2007 DTS engines and newer. Dual engine application.

#### **DTS CONSOLE - DUAL - W/TRIM**



#### 8M0096751

The DTS dual handle Electronic Remote Control (ERC) features include: Throttle only button, Dock mode button, 1 Lever Mode button, Helm transfer button, Sync button, Mercury global dimming, individual engine trim buttons on the pad and a and Neutral indicator light. This control also features a Trim-all engine function which is located on the port handle.

This control is designed for 2007 DTS engines and newer. Dual engine application.

# TRIPLE/ QUAD- CONTROLS

#### DTS CONSOLE - TRIPLE - W/TRIM



#### 8M0096752

The DTS dual handle Electronic Remote Control (ERC) features include: Throttle only button, Dock mode button, 1 Lever Mode button, Helm transfer button, Sync button, Mercury global dimming, individual engine trim buttons on the pad and a and Neutral indicator light. This control also features a Trim-all engine function which is located on the port handle.

This control is designed for 2007 DTS engines and newer. Triple engine application.

#### DTS CONSOLE - QUAD - W/TRIM



#### 8M0096753

The DTS dual handle Electronic Remote Control (ERC) features include: Throttle only button, Dock mode button, 1 Lever Mode button, Helm transfer button, Sync button, Mercury global dimming, individual engine trim buttons on the pad and a and Neutral indicator light. This control also features a Trim-all engine function which is located on the port handle.

This control is designed for 2007 DTS engines and newer. Quad engine application.

# **CONTROLS-YACHT**

#### DTS YACHT CONTROL- DUAL ENGINES



#### 889231A01

This Yacht control allows both throttle and shifting from single handles for dual engine installations. The control features includes: Throttle only button, Dock mode button, 1 Lever Mode button, Helm transfer button, and a Sync button.

This control is designed for 2007 DTS engines and newer.

#### DTS YACHT CONTROL THROTTLE/THROTTLE



#### 889231A04

This Yacht control features 2 Throttle/Throttle levers to be used in conjunction with Yacht control - Shift/Shift levers.

This control is designed for 2007 DTS engines and newer.

#### DTS YACHT CONTROL SHIFT/SHIFT 889231A05

This Yacht control features 2 Shift/Shift levers to be used in conjunction with Yacht control - Throttle/Throttle levers.

This control is designed for 2007 DTS engines and newer.

# SPORTFISH CONTROL



#### 877775A26

The Sport Fish control is ideal for center console applications. This control allows side mounting of the control onto the helm.

This control is designed for 2007 DTS engines and newer.

# **DTS TRACK PADS**

# DASH MOUNTED CAN TRACK PAD



#### 87-889305T01

Dash mounted CAN track pad that allows all the functions that are present with the controls but mounted on the dash. Ideal for use with Yacht controls. Track pad functions include Warm Up, Dock, 1 Lever Mode, Helm Transfer, Sync, Troll, Neutral Indicator and + and - for user control

Gen I (2007) DTS engines and newer

#### **CONSOLE MOUNTED CAN TRACK PAD**

87-899178T01

Gen I (2007) and newer

#### **REMOTE DASH PAD-SMARTTOW**



# 87-889305T02

Remote Dash Pad provides a solution for hard-to-reach gauge installations by allowing the user to remotely navigate between VesselView, SC1000 Tach, SC1000 Speed, and new MercMonitor gauges. For tow sport applications, the pad also allows direct access to SmartTow® functionality by providing a dedicated On/Off button.

Navigate seamlessly between SC1000 Tach & Speed, VesselView and MercMonitor.

# **ZERO EFFORT CONTROLS**

#### **ZERO EFFORT DIGITAL CONTROL**



#### 8M0030501

Top mounted 2 lever digital throttle and shift (DTS) remote control. 1 shift lever (black knob) and 1 throttle lever (red knob).

For use with Race outboards and stern drive engines equipped with DTS.

# DIGITAL THROTTLE AND SHIFT REMOTE CONTROLS

# ZERO EFFORT DIGITAL CONTROL



#### 8M0085477

Top mounted 2 lever digital throttle/throttle remote control. Both levers have red knobs. Starboard mount.

For use with Race outboards and stern drive engines equipped with DTS (digital throttle and shift).

# ZERO EFFORT DIGITAL CONTROL



#### 8M0085481

Top mounted 2 lever digital shift/shift remote control. Both levers have black knobs. Port mount.

For use with Race outboards and stern drive engines equipped with DTS (digital throttle and shift).

#### ZERO EFFORT DIGITAL CONTROL



### 8M0085611

Top mounted 2 lever digital throttle and shift (DTS) remote control. Lever knobs are clear anodized.

For use with Race outboards and stern drive engines equipped with DTS.

#### ZERO EFFORT DIGITAL CONTROL



# 8M0085613

Top mounted 2 lever digital throttle/throttle remote control. Lever knobs are clear anodized. Starboard mount.

For use with Race outboards and stern drive engines equipped with DTS (digital throttle and shift).

# ZERO EFFORT DIGITAL CONTROL



#### 8M0085615

Top mounted 2 lever digital shift/shift remote control. Lever knobs are clear anodized. Port mount.

For use with Race outboards and stern drive engines equipped with DTS (digital throttle and shift).

# ZERO EFFORT DIGITAL CONTROL

#### 8M0095632

Top mount 2 lever digital throttle and shift (DTS) remote control. Shift and throttle configuration. Shift lever has black knob and throttle lever has red knob. Port mount.

For use with Race outboards and stern drive engines equipped with DTS.

#### 8M0095633

Top mount 2 lever digital throttle and shift (DTS) remote control. Shift and throttle configuration. All lever knobs are clear anodized. Port mount.

For use with Race outboards and stern drive engines equipped with DTS.

# ZERO EFFORT DIGITAL CONTROL



#### 8M0030499

Top mounted 4 lever digital throttle and shift (DTS) remote control. Shift/shift/ throttle/throttle configuration. Shift levers have black knobs and throttle levers have red knobs. Starboard mount.

For use with Race outboards and stern drive engines equipped with DTS.

#### **ZERO EFFORT DIGITAL CONTROL**



#### 8M0085491

Top mounted 4 lever digital throttle and shift (DTS) remote control. Shift/throttle/throttle/shift configuration. Shift levers have black knobs and throttle levers have red knobs. Starboard mount.





# ZERO EFFORT DIGITAL CONTROL



#### 8M0085617

Top mounted 4 lever digital throttle and shift (DTS) remote control. Shift/shift/throttle/throttle configuration. All lever knobs are clear anodized. Starboard mount. For use with Race outboards and stern drive engines equipped with DTS.

#### ZERO EFFORT DIGITAL CONTROL



#### 8M0085619

Top mounted 4 lever digital throttle and shift (DTS) remote control. Shift/throttle/throttle/shift configuration. All lever knobs are clear anodized. Starboard mount. For use with Race outboards and stern drive engines equipped with DTS.

# ZERO EFFORT DIGITAL CONTROL



#### 8M0085804

Top mounted 4 lever digital throttle and shift (DTS) remote control. Throttle/throttle/shift/shift configuration. Shift levers have black knobs and throttle levers have red knobs. Starboard mount.

For use with Race outboards and stern drive engines equipped with DTS.

# ZERO EFFORT DIGITAL CONTROL



#### 8M0085806

Top mounted 4 lever digital throttle and shift (DTS) remote control. Throttle/throttle/shift/shift configuration. All lever knobs are clear anodized. Starboard mount. For use with Race outboards and stern drive engines equipped with DTS.

# ZERO EFFORT DIGITAL CONTROL



#### 8M0092088

Top mount 4 lever digital throttle and shift (DTS) remote control. Shift/throttle/throttle/shift configuration. Shift levers have black knobs and throttle levers have red knobs. Port mount.

For use with Race outboards and stern drive engines equipped with DTS.

# **ZERO EFFORT DIGITAL CONTROL**



#### 8M0092091

Top mounted 4 lever digital throttle and shift (DTS) remote control. Shift/throttle/throttle/shift configuration. All lever knobs are clear anodized. Port mount. For use with Race outboards and stern drive engines equipped with DTS.

### HARNESS ASY-ZERO EFFORT 2 LEVER CONTROLS



# 84-891963A01

Included in all Zero Effort Control kits 2004 and newer Models

#### **EXTENSION HARNESS**



# 84-8M8026041

7 ft. wiring extension harness for shift function. Labeled lever 1. For use with Race DTS (digital throttle and shift) 14 pin data harnesses.

# DIGITAL THROTTLE AND SHIFT REMOTE CONTROLS

# **EXTENSION HARNESS**



# 84-8M8026042

7 ft. wiring extension harness for shift function. Labeled lever 2. For use with Race DTS (digital throttle and shift) 14 pin data harnesses.

# **EXTENSION HARNESS**



#### 84-8M8026043

7 ft. length wiring extension harness for throttle function. Labeled lever 3. For use with Race DTS (digital throttle and shift) 14 pin data harnesses.

# **EXTENSION HARNESS**



# 84-8M8026044

7 ft. length wiring extension harness for throttle function. Labeled lever 4. For use with Race DTS (digital throttle and shift) 14 pin data harnesses.

# **MECHANICAL REMOTE CONTROLS**

# MPC 4000 PANEL MOUNT REMOTE CONTROLS (GEN II)

The Panel Mount Controls are applicable for outboard and MCM/MIE engines. The handle is designed to provide optimal ergonomic use while the best-in-class mechanics offer smooth operation, improved responsiveness and increased strength. All panel mount controls have an integral lanyard stop switch which is sealed for water resistance. The power trim models incorporate a single rocker type trim switch in handle for ease of operation.

These controls are mounted on starboard side only.

#### MPC PANEL-GEN II- FINGER RELEASE-O/B



#### 8M0011213

The Panel Mount control features a black handle and comes with a 4ft. (1.22 m) trim harness with the 3 pin molex connector. All installations require a separate Ignition/Choke assembly and T/S cables to complete the installation. The neutral safety switch leads are 6.5 ft.(1.98 m)and have a bullet connector on the ends. The lanyard switch leads also have bullet style connector ends.

The control fits all current Mercury/Mariner outboards (with integral trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (with nower frim)

power trim). The control uses GEN II T/S cables.

Mercury Branded

# MPC PANEL-GEN II- FINGER RELEASE-MCM/MIE



#### 8M0011214

The Panel Mount control features a black handle and comes with a 4ft. (1.22 m) trim and trailer switch harness with the 4 pin molex connector. All installations require a separate Ignition/Choke assembly and T/S cables to complete the installation. The neutral safety switch leads are 6.5 ft. (1.98 m) and have a bullet connector on the ends. The lanyard switch leads also have bullet style connector ends. Must use Gen II Throttle/Shift cables. (897978A\_\_)

The power trim extension harness also needs to be ordered separately: (84-817659T01 & 84-881125A1 = 4 pin Molex to traditional Mercury 3 blade P/T connector)

(84-865772T01 & 84-865772T02 = 4 pin Molex to the Packard 3 pin P/T connector)

Fits all current MCM and Mercury/Mariner 3.4L outboards with external trim cylinders.

Mercury Branded

# MPC PANEL-GEN II- FINGER RELEASE-O/B NO TRIM



#### 8M0011212

The Panel Mount control features a black handle and is designed for outboard engines w/o power trim. All installations require a separate Ignition/Choke assembly and T/S cables to complete the installation. The power trim adapter harness is included to convert 3 pin molex connector to the traditional 3 blade Mercury connector. The neutral safety switch leads are 6.5 ft. (1.98 m) long and have bullet connectors on the ends. The lanyard switch leads also have bullet connectors on the ends.

Used on Outboard engines only - Non Trim versions The control must use GEN II T/S cables.

# MPC PANEL-GEN II- FINGER RELEASE-MCM/MIE NO TRIM

#### 8M0011215

The Panel Mount control features a black handle and is designed for MCM/MIE engines w/o power trim. All installations require a separate Ignition/Choke assembly and T/S cables to complete the installation. The power trim adapter harness is included to convert 3 pin molex connector to the traditional 3 blade Mercury connector. The neutral safety switch leads are 6.5 ft. (1.98 m) long and have bullet connectors on the ends. The lanyard switch leads also have bullet connectors on the ends.

This control is designed for MIE and MCM engines.

The control must use GEN II T/S cables.

Mercury Branded

# MPC PANEL-GEN II- FINGER RELEASE-O/B (CHROME)



#### 8M0030550

The Panel Mount control features a chrome handle and comes with a 4ft. (1.22 m) trim harness with the 3 pin molex connector. All installations require a separate Ignition/Choke assembly and T/S cables to complete the installation. The neutral safety switch leads are 6.5 ft. (1.98 m) and have a bullet connector on the ends. The lanyard switch leads also have bullet style connector ends.

The control fits all current Mercury/Mariner outboards (with integral trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (with nower frim)

power trim).
The control uses GEN II T/S cables.

Mercury Branded

# MPC PANEL-GEN II- FINGER RELEASE-MCM (CHROME)



#### 8M0030551

The Panel Mount control features a chrome handle and comes with a 4ft. (1.22 m) trim and trailer switch harness with the 4 pin molex connector. All installations require a separate Ignition/Choke assembly and T/S cables to complete the installation. The neutral safety switch leads are 6.5 ft. (1.98 m) and have a bullet connector on the ends. The lanyard switch leads also have bullet style connector ends. Must use Gen II Throttle/Shift cables. (897978A\_\_)
The power trim extension harness also needs to be ordered separately: (84-817659T01 & 84-881125A1 = 4 pin Molex to traditional Mercury 3 blade P/T connector)

connector)

(84-865772T01 & 84-865772T02 = 4 pin Molex to the Packard 3 pin P/T

Fits all current MCM and Mercury/Mariner 3.4L outboards with external trim cylinders.

Mercury Branded

# PANEL MOUNT REMOTE CONTROL-GEN II- LOCK BAR



#### 883710A02

The Panel Mount control features a chrome handle and comes with a 4ft. (1.22 m) trim harness with the 3 pin molex connector. All installations require a separate Ignition/Choke assembly and T/S cables to complete the installation. The neutral safety switch leads are 6.5 ft. (1.98 m) and have a bullet connector on the ends. The lanyard switch leads also have bullet style connector ends.

The control fits all current Mercury/Mariner outboards (with integral trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (with power trim).
The control uses GEN II T/S cables.

Mercury Branded

#### 883710A03

The Panel Mount control features a chrome handle and comes with a 4ft. (1.22 m) trim and trailer switch harness with the 4 pin molex connector. All installations require a separate Ignition/Choke assembly and T/S cables to complete the installation. The neutral safety switch leads are 6.5 ft. (1.98 m) and have a bullet connector on the ends. The lanyard switch leads also have bullet style connector ends. Must use Gen II Throttle/Shift cables. (897978A\_\_)

The power trim extension harness also needs to be ordered separately (84-817659T01 & 84-881125A1 = 4 pin Molex to traditional Mercury 3 blade P/T connector) (84-865772T02 = 4 pin Molex to the Packard 3 pin P/T

connector)

Fits all current MCM and Mercury/Mariner 3.4L outboards with external trim cylinders.

Mercury Branded

#### 883710A01

The Panel Mount control features a chrome handle and is designed for outboard engines w/o power trim. All installations require a separate Ignition/Choke assembly and T/S cables to complete the installation. The power trim adapter harness is included to convert 3 pin molex connector to the traditional 3 blade Mercury connector. The neutral safety switch leads are 6.5 ft. (1.98 m) long and have bullet connectors on the ends. The lanyard switch leads also have bullet connectors on the ends.

Used on Outboard engines only - Non Trim versions. The control uses GEN II T/S cables.

# Mercury Branded

#### **BEZEL KIT-CUSTOM UPGRADE**



#### 891648001

Woodgrain cover allows you to customize the look of your control. Snap out the black inner bezel and snap in the custom bezel to enrich the appearance of your

Use on 4000 Gen II Panel Mount controls- Lock Bar one piece design

#### **BEZEL KIT-CUSTOM UPGRADE**



# 891648002

Burlwood Gold Woodgrain cover allows you to customize the look of your control. Snap out the black inner bezel and snap in the custom bezel to enrich the appearance of your control.

Use on 4000 Gen II Panel Mount controls- Lock Bar one piece design



# MCC 4500 CONSOLE MOUNT - SINGLE ENGINE (GEN II)

The single station console controls are applicable for outboard and MCM/MIE engines. The handle is designed to provide optimal ergonomic use while the best-in-class mechanics offer smooth operation, improved responsiveness and increased strength. The throttle only button is located at the base of handle.

# **CONSOLE MOUNT REMOTE CONTROL-GEN II**



#### 8M0060782

This control is designed for MIE inboards and outboards w/o power trim. All installations require an Ignition/Choke harness and T/S cables to complete the installation.

Fits MIE inboards and all current Mercury/Mariner outboards (without power trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (without power trim).

and 1335 and revert from).

8/9.9 FourStroke engines 2005 and newer will use GEN II/SAE Premium cables.

8/9.9 generation change above S/N OR192772 and 15/20 FourStroke will use Gen II T/S cables.

#### CONSOLE REMOTE CONTROL-GEN II-SINGLE



# 8M0059686

This control features a single trim switch in the port handle for trim and comes with the trim harness (attached to switch) with the white connector. All installations require an Ignition/Choke harness and T/S cables to complete the installation.

Fits all current Mercury/Mariner outboards (with integral trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (with power trim). 8/9.9 FourStroke engines 2005 and newer and 8/9.9 generation change above S/N OR192772 and 15/20 FourStroke will use Gen II T/S Cable.

# CONSOLE MOUNT REMOTE CONTROL-GEN II- W/O EXT



#### 8M0060783

This control features a single trim switch in the port handle for trim and trailering and comes with the trim harness (attached to switch) with the white connector. All installations require an Ignition/Choke harness and T/S cables to complete the installation

The control will need Power trim harness, 4 pin Molex connector) and a 4 pin Molex to the packard 3 pin P/T connector. This control will use GEN II T/S cables. Fits all MCM applications.

#### **SPACER KIT FOR 4500 SINGLE CONTROLS**



# 98-8M0075237

Allows the control to be raised approximately 2 inches for applications that require clearance with handle movement

Used only with newer 8M0059686, 8M0060783 and 8M0060782 single handle consoles

#### RETRO KIT FOR SINGLE CONSOLE CONTROLS



#### 8M0061334

This kit allows you to convert the housing and bracket on the older single handle control.

Single Handle Console Conversion Kit for older version to look like  $8M0059686,\,8M0060783,\,8M0060782$  models.

# MCC 4500 CONSOLE MOUNT - DUAL ENGINE (GEN II)

The single station dual handled console controls are applicable for outboard and MCM/MIE engines. The handles are designed to provide optimal ergonomic use while the best-in-class mechanics offer smooth operation, improved responsiveness and increased strength. The throttle only button is located at the base of the handle.

#### **CONSOLE MOUNT REMOTE CONTROL-GEN II**



#### 8M0075244

This control is designed for dual MIE inboards & outboards w/o power trim. All installations require an Ignition/Choke assembly and T/S cables to complete the installation.

This control fits MIE inboards and all current Mercury/Mariner outboards(without power trim), and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (without power trim).

Must use Gen II T/S cables for the installation.

# **CONSOLE REMOTE CONTROL-GEN II-DUAL**



#### 8M0075245

This control features a single trim switch in the port handle for simultaneous dual engine trim and trailering. There are individual engine trim buttons in the cover. All installations require a Ignition/Choke assembly and T/S cables to complete the installation.

This control fits all current Mercury/Mariner outboards (with integral trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (with power trim).

power trim). Must use GEN II T/S cables.

# **CONSOLE MOUNT REMOTE CONTROL-GEN II**



#### 8M0075246

This control features a single trim switch in the port handle for simultaneous dual engine trim and trailering. There are individual trim buttons in the cover. All installations require T/S cables to complete the installation.

The control will need Power trim harness, 4 pin Molex connector to the Packard 3 pin connector 84-865772T01 or T02
This control will use GEN II T/S cables.

Fits all MCM applications.

# **SPACER KIT FOR 4500 DUAL CONTROLS**



#### 8M0085790

The spacer will raise the control approximately 2 in. for the applications that require clearance with handle movement.

Used only with 8M0075244, 8M0075245, 8M0075246 dual handle console controls

# RETRO KIT FOR DUAL CONSOLE CONTROLS



#### 8M0085733

This kit will allow you to convert the housing and bracket of older style dual consoles to resemble current dual console mount controls.

Dual Handle Conversion Kits for older version to look like 8M0075244, 8M0075245, 8M0075246 models.

# MSC 4000 SIDE MOUNT - ELECTRIC, POWER TRIM

These controls provide a smooth shift/load feel and an improved aesthetics. The control utilizes a 14 pin connector wiring harness and lanyard stop switch. The power trim models incorporate a single rocker type trim/trailer switch in the handle. This control is not for use with engines that have counter rotating lower units. Older engines may require a harness adapter.

# SIDE MOUNT REMOTE CONTROL-14 PIN

Image not Available.

#### 8M0138640

This control features a handle mounted power trim switch and a 15 ft. (4.58 m) harness with 14 pin Deutsch connector. The control will connect to the engine models below without the use of an adapter harness.

For 2006 and newer non DTS 25-300 HP Outboard engines. GEN II cables must be used.

#### 8M0138641

This control features a handle mounted power trim switch and a 20 ft. (6.1 m) harness with 14 pin Deutsch connector. The control will connect to the engine models below without the use of an adapter harness.

For 2006 and newer non DTS 25-300 HP Outboard engines. GEN II cables must be used.

# SIDE MOUNT REMOTE CONTROL- 8 PIN TRADITIONAL 8M0103452

This control features a handle mounted power trim switch, 15 ft. (4.58 m) harness, built-in warning horn and power trim leads for front mount switch.

Fits all current Mercury/Mariner outboards (with integral power trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (with power trim). When used with MY2005 and newer 8/9.9/15/20 FourStroke outboards an adapter harness is required. For MY2005 and newer 8/9.9 FourStroke outboards SAE T/S cables must be used.

For MY2005 and newer 8/9.9 FourStroke outboards SAE T/S cables must be used. GEN II cables must be used.

#### 8M0103453

This control features a handle mounted power trim switch, 20 ft. (6.1 m) harness, built-in warning horn and includes power trim leads for front mount switch.

Fits all current Mercury/Mariner outboards (with integral power trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (with power trim). When used with MY2005 and newer 8/9.9, 15/20 FourStroke outboards an adapter harness is required.

adapter harness is required.

For MY2005 and newer 8/9.9 FourStroke outboards SAE T/S cables must be used.

GEN II cables must be used.

# SIDE MOUNT REMOTE CONTROL- 10 PIN AMP 8M0103449

This control features a handle mounted power trim switch, 15 ft. (4.58 m) harness with Amp 10-pin connector. The control will connect to the engine models below without the use of an adapter.

Used on MY2005 and newer, 8/9.9, 15/20 FourStroke engines with electric start and power trim.

For 8/9.9 FourStroke engines generation change above S/N OR192772 and 15/20 FourStroke engines will use GEN I cables.

GEN II cables must be used on other engines.

#### SIDE MOUNT REMOTE CONTROL- 14 PIN AMP 8M0138643

This control features a handle mounted power trim switch, 15 ft. (4.58 m) harness with Amp 14-pin connector. The control will connect to the engine models below without the use of an adapter.

Fits all current Mercury/Mariner outboards 6 HP and above and 1993 and newer Force outboards 40 HP and above (with power trim). GEN II cables must be used.

# SIDE MOUNT REMOTE CONTROL

#### 8M0103450

This control features a handle mounted power trim switch, 20 ft. (6.1 m) harness with Amp 10-pin connector. The control will connect to the engine models below without the use of an adapter harness.

Used on MY2005 and newer, 8/9.9, 15/20 FourStroke engines with electric start and power trim

and power trim.

For 8/9.9 FourStroke engines generation change above S/N OR192772 and 15/20 FourStroke engines will use GEN I cables.

GEN II cables must be used on other engines.

# SIDE MOUNT REMOTE CONTROL-14 PIN (PORT SIDE MOUNT)



#### 8M0053636

This side mount control is for mounting on the port side and controlling with the left hand. This control features a handle mounted power trim switch and 15ft.(4.58m) harness with 14 pin Deutsche connector.

For 2006 and newer non DTS 25-300 HP Outboard engines. GEN I cables must be used. No Adapter harness required.

#### SIDE MOUNT REMOTE CONTROL-14 PIN



# 881170A13

Has a handle mounted power trim switch and a 15 ft. (4.58 m) harness with 14 pin Deutshe connector and will direct connect to the engine models below without the use of an adapter harness.

Ref. Throttle/shift cable Gen I - 897977A\_. Throttle/Shift cables (896143A) for MY2005 and newer 8/9.9 FourStroke outboards. 8-9.9 4 Stroke engines generation change above S/N OR192772 and new 15/20 4 Stroke engines will use Gen I series T/S Cables

2006 - 25-300 HP 4 Stroke Any engine that has the 14 pin connector from the primary harness. Gen I cables are required with this control

#### 881170A14

Has a handle mounted power trim switch and a 20 ft. (6.1 m) harness with 14 pin Deutshe connector and will direct connect to the engine models below without the use of an adapter harness.

Ref. Throttle/shift cables (896143A) for MY2005 and newer 8/9.9 FourStroke outboards. 8-9.9 4 Stroke engines generation change above S/N OR192772 and new 15/20 4 Stroke engines will use Gen I series T/S Cables

2006 - 25 -  $300\ HP$  4 Stroke Any engine that has the 14 pin connector from the primary harness. Gen I cables are required with this control

# SIDE MOUNT REMOTE CONTROL- 8 PIN TRADITIONAL



#### 881170A15

This control features a handle mounted power trim switch, 15 ft.

(4.58 m) harness, built-in warning horn and power trim leads for front mount switch. Fits all current Mercury/Mariner outboards (with integral power trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (with power trim). When used with MY2005 and newer 8/9.9/15/20 FourStroke outboards an adapter harness is required.

For MY2005 and newer 8/9.9 FourStroke outboards SAE T/S cables must be used.

GEN I cables must be used.

#### 881170A20

This control features a handle mounted power trim switch, 20 ft. (6.1 m) harness, built-in warning horn and includes power trim leads for front mount switch.

Fits all current Mercury/Mariner outboards (with integral power trim) and 1993 and newer Force outboards 40 HP and higher utilizing Mercury style cables (with power trim). When used with MY2005 and newer 8/9.9, 15/20 FourStroke outboards an adapter harness is required.

For MY2005 and newer 8/9.9 FourStroke outboards SAE T/S cables must be used. GEN I cables must be used.

#### SIDE MOUNT REMOTE CONTROL- 10 PIN AMP



#### 881170A10

This control features a handle mounted power trim switch, 15 ft. (4.58 m) harness with Amp 10-pin connector. The control will connect to the engine models below without the use of an adapter.

Used on MY2005 and newer, 8/9.9, 15/20 FourStroke engines with electric start and power trim.

For 8/9.9 FourStroke engines generation change above S/N OR192772 and 15/20 FourStroke engines will use GEN I cables.
GEN I cables must be used on other engines.

#### SIDE MOUNT REMOTE CONTROL 881170A11

This control features a handle mounted power trim switch, 20 ft. (6.1 m) harness with Amp 10-pin connector. The control will connect to the engine models below without the use of an adapter harness.

Used on MY2005 and newer, 8/9.9, 15/20 FourStroke engines with electric start

For 8/9.9 FourStroke engines generation change above S/N OR192772 and 15/20 FourStroke engines will use GEN I cables. GEN I cables must be used on other engines.

# REMOTE CONTROL ADAPTER HARNESS



#### 84-892473A01

Converts the traditional Mercury connector to an Amp 8-pin connector. Converts side mount controls 881170A 3, 15, 16 and the 816626A\_ series ignition keyswitch harness to connect to the MY2005 and newer 8/9.9 hp. FourStroke

MY2005 and newer 8/9.9 hp. FourStroke outboard and the 15/20 hp. FourStroke (351cc) outboard when a 8 pin side mount control or keyswitch harness is used.

#### **HARNESS EXTENSION- 10 PIN**



#### 84-8M0058668

This harness extension will allow you to increase the length by 6 feet of the 10 pin drop for instruments. The extension will work with Side Mount controls as well as any 896537 series main engine / boat harness.

# MSC 4000 SIDE MOUNT - ELECT, NON-POWER

The 8M0083860 is not "push to choke" and has a 14 pin connector wiring harness, lanyard stop, throttle only feature. This control also requires Gen II throttle and shift cables, is starboard mounted and not

The remainder of controls 881170A3, 881170A5, 881170A7, 881170A12 can be mounted starboard or port side and are stackable. They offer "push to choke" ignition switch, 8 pin connector wiring harness, lanyard stop switch, separate neutral warm-up lever and requires Gen I throttle and shift cables. All controls have a 5 pin accessory plug for tachometer and an adjustable throttle friction. These controls are not for use with engines that have counter rotating lower units. Older engines may require an adapter harness.

# SIDE MOUNT REMOTE CONTROL- 14 PIN

Image not Available

#### 8M0138642

This control features non - power trim and a 15ft. (4.58m) harness with 14 pin Deutsch connector.

Fits all current Mercury/Mariner Outboards 6 HP and above (without power trim), and 1993 and newer Force Outboards 40 HP and higher utilizing Mercury cables (without power trim).

When used with a MY2005 and newer 8/9.9, 15/20 FourStroke Outboard an Adapter harness is required. 2 pin connector is now included to allow for use of SmartCraft accessories with analog gauges.

Gen II cable must be used.



#### SIDE MOUNT REMOTE CONTROL

#### 8M0103451

This control features a non - trim handle and a 15 ft. (4.58 M) harness with Amp connector and will direct connect to the engine models below without the use of an

For MY2005 and newer, 8/9.9, 15/20 HP FourStroke Outboards with electric start and non-trim.

For MY2005 and newer 8/9.9 FourStroke Outboards SAE T/S cables must be

Growth Stroke engines generation change above S/N OR192772 and 15/20 FourStroke engines will use GEN I cables.

GEN II cables must be used on other engines.

#### 8M0103454

This control features a non-power trim handle, 15 ft.(4.58 m) harness and built-in warning horn.

Fits all current Mercury/Mariner Outboards 6 HP and above (without power trim) and 1993 and newer Force Outboards 40 HP and higher utilizing Mercury style cables (with power trim).

For MY2005 and newer 8/9.9 FourStroke Outboards SAE T/S cables must be

For 8/9.9 FourStroke engines generation change above S/N OR192772 and 15/20 FourStroke engines will use GEN I cables.

When used with a MY2005 and newer 8/9.9, 15/20 FourStroke Outboard an

Adapter harness is required.
GEN II cables must be used on other engines.

#### SIDE MOUNT REMOTE CONTROL- 14 PIN



#### 881170A16

For non-power trim models, 15 ft.(4.58 m) harness and built-in warning horn. New design with soft grip. Ref. Throttle/shift cable Gen I - 897977A\_\_. Throttle/Shift cables (896143A) for MY2005 and newer 8/9.9 FourStroke outboards. 8-9.9 4 Stroke engines generation change above S/N OR192772 and new 15/20 4 Stroke engines will use Gen I series T/S Cables

Fits all current Mercury/Mariner outboards 6 hp. and above (without power trim), and 1993 and newer Force outboards 40 hp and higher utilizing Mercury style cables (with power trim). When used with a MY2005 and newer 8/9.9/15/20 FourStroke outboard an adapter harness 892473A01 is required. Gen I cable must be used with this control

#### SIDE MOUNT REMOTE CONTROL



# 881170A 3

This control features a non-power trim handle, 15 ft.(4.58 m) harness and built-in warning horn.

Fits all current Mercury/Mariner Outboards 6 HP and above (without power trim) and 1993 and newer Force Outboards 40 HP and higher utilizing Mercury style cables (with power trim).

For MY2005 and newer 8/9.9 FourStroke Outboards SAE T/S cables must be

used. For 8/9.9 FourStroke engines generation change above S/N OR192772 and 15/20 FourStroke engines will use GEN I cables. When used with a MY2005 and newer 8/9.9, 15/20 FourStroke Outboard an

Adapter harness is required.
GEN I cables must be used on other engines.

#### 881170A 5

This control features a non - powered trim handle with a 15 ft.(4.58 m) harness. This control does not have a warning horn and features push throttle cable

Fits Mercury/Mariner Outboards 20/25 HP (U.S. S/N 0G044026 and below: Belgium S/N 9807908 and below). GEN I cables must be used

#### SIDE MOUNT REMOTE CONTROL



#### 881170A 7

This control features a non - power trim handle with a 15 ft.(4.58 m) harness. This control does not have a warning horn.

Fits Mariner 30 to 55 HP (Japanese origin) except 30/40 HP (2 cyl.) with integral oil GEN I cables must be used.

# SIDE MOUNT REMOTE CONTROL



# 881170A12

This control features a non - trim handle and a 15 ft. (4.58 M) harness with Amp connector and will direct connect to the engine models below without the use of an Adapter harness

For MY2005 and newer, 8/9.9, 15/20 HP FourStroke Outboards with electric start

and non-trim.
For MY2005 and newer 8/9.9 FourStroke Outboards SAE T/S cables must be

God No. 15/20 FourStroke engines generation change above S/N OR192772 and 15/20 FourStroke engines will use GEN I cables.

GEN I cables must be used on other engines.

# MSC 4000 SIDE MOUNT - MANUAL START, W/ **SWITCH**

These controls are for Outboard engines and can be mounted on the Port or Starboard side. These controls feature an ignition stop switch and lanyard stop switch only.

#### SIDE MOUNT REMOTE CONTROL



#### 881170A 4

This control is for manual start models and has a 20 ft.(6.1 m) harness. The control features a Toggle switch for remote shut off of the engine.

Fits current pull style throttle, manual start Mercury/Mariner 6/25 HP, 30/40 HP (2 cyl.- U.S. origin), 40 (3 & 4 cyl.) to 45 HP, 8/9.9, 15/20 HP FourStroke models (1996 and newer), and Force 25 HP (3 cyl.)
For MY2005 and newer 8/9.9 FourStroke Outboards SAE T/S cables must be

Growth Stroke engines generation change above S/N OR192772 and 15/20 FourStroke engines will use GEN I cables. GEN I cables must be used on other engines.

#### 881170A 6

This control is for manual start models and has a 20 ft.(6.1 m) harness. This control features a push throttle cable operation and a Toggle switch for remote shut off of

Fits older push style throttle Mercury/Mariner 20/25 HP (U.S. S/N 0G044026 and below; Belgium S/N 9807908 and below) and Force 9.9/15 HP (1997 and older).

# MSC 4000 SIDE MOUNT - MANUAL START W/ NO **SWITCH**

These controls are for Outboard engines and can be mounted on the Port or Starboard side. The controls do not include switches or harness.

#### SIDE MOUNT REMOTE CONTROL



#### 881170A8

This control is for manual start models. Fits Mercury/Mariner 4/5 HP and Mariner 8/55 HP (2 cyl.) GEN I cables must be used.

# **MSC 4000 SIDE MOUNT - ACCESSORIES**

# **DUAL ENGINE MOUNT KIT**



#### 16909A 2

This kit contains all necessary hardware for mounting or stacking two controls together for dual engine installations.

#### REMOTE CONTROL SPACER PLATE



#### 17063T

Included with Commander 2000/MSC 4000 side mount control. Generally, one spacer is adequate for most installations: however, two or more can be stacked to provide additional side clearance. Measures 1/2 in.(13 mm) thick.

# REMOTE CONTROL SPACER PLATE



#### 8M0114782

Spacer is included with the side mount control and is adequate for most installations. However, additional spacers may be stacked to provide additional

This spacer kit is used with the updated silver control box side mount controls only.

# COMMANDER SERIES CONSOLE MOUNT - SINGLE ENGINE

The control has an adjustable throttle friction and neutral detent. Power trim models incorporate a single toggle type trim switch in handle and trim harness.

#### CONSOLE MOUNT REMOTE CONTROL



#### 88688A25

Comes with 4 ft.(1.22 m) trim harness. All installations require a separate Ignition/ Choke assembly and Throttle/Shift Cables to complete the installation. Ref throttle/shift cables 897977A\_ (adapter for 3 pin P/T - 84-898286T01)

Fits all current Mercury / Mariner outboards (with integral power trim), and 1993 and newer Force outboards 40 hp and higher utilizing Mercury style cables (with power trim).

# **CONSOLE MOUNT REMOTE CONTROL**



#### 88688A26

Comes with 20 ft.(6.1 m) trim harness and trailer switch. All installations require a separate Ignition Switch and Throttle/Shift Cables to complete the installation. Ref throttle/shift cables 897977A\_\_

Fits all MCM/MIE and Mercury/Mariner 3.4L outboards with external trim cylinders.

#### **CONSOLE MOUNT REMOTE CONTROL**



#### 88688A27

For non-power trim models. All installations require a separate Ignition/Choke assembly and Throttle/Shift Cables to complete the installation. Ref throttle/shift cables 897977A\_\_

Fits all current Mercury / Mariner outboards (without power trim), and 1993 and newer Force outboards 40 hp and higher utilizing Mercury style cables (without power trim).

# COMMANDER SERIES CONSOLE MOUNT - DUAL ENGINE

The control has an adjustable throttle friction and neutral detent.

#### **CONSOLE MOUNT REMOTE CONTROL**



#### 88688A22

Comes with 4 ft.(1.22 m) trim harness. All installations require a separate Ignition/ Choke assembly and Throttle/Shift Cables to complete the installation. Ref throttle/shift cables 897977A\_\_

Fits all current Mercury / Mariner outboards (with integral power trim), and 1993 and newer Force outboards 40 hp and higher utilizing Mercury style cables (with power trim).

#### **CONSOLE MOUNT REMOTE CONTROL**



#### 88688A23

Comes with 20 ft.(6.1 m) trim harness and trailer switch. All installations require a separate Ignition Switch and Throttle/Shift Cables to complete the installation. Ref throttle/shift cables 897977A\_\_

Fits all MCM/MIE and Mercury/Mariner 3.4L outboards with external trim cylinders. Mercury Branded

# CONSOLE MOUNT REMOTE CONTROL



#### 88688A24

For non-power trim models. All installations require a separate Ignition/Choke assembly and Throttle/Shift Cables to complete the installation. Ref throttle/shift cables 897977A\_\_

Fits all current Mercury / Mariner outboards (without power trim), and 1993 and newer Force outboards 40 hp and higher utilizing Mercury style cables (without power trim).

# **JET DRIVE REMOTE CONTROLS**

Must be used with Sport Jet due to the design of the jet drive. This is due to strength and mounting requirements. Any substitutions must meet ABYC/Coast Guard standards for mini jet boats.

### SIDE MOUNT REMOTE CONTROL



#### 802755

Forward or aft cable entry. Accepts 40 series shift cables.

Fits Sport-Jet 175 and may be used on 90/95/120 applications with Remote Control Conversion Kit 850698A 1. Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

# REMOTE CONTROL CONVERSION KIT



### 850698A 1

Allows the use of remote control 802755 and 40 series shift cables  $853951A\_$  to be used on Sport-Jet 90/95/120 applications.

# ZERO EFFORT REMOTE CONTROLS

Starboard mounted FWD CANT controls can be rotated 180 degrees and installed in port mounted AFT CANT configuration. Likewise, starboard mounted AFT CANT controls can be rotated 180 degrees and installed in port mounted FWD CANT configuration. All controls with shift levers include a neutral safety switch for start in gear protection. Controls with trim switch are for starboard installation only. All levers are listed in left to right configurations. Order F5H208/\_\_ or 64-820676A\_\_ series cables separately.

#### **ZERO EFFORT CONTROL**

#### 844461A30

1 throttle lever/ Black/ FWD CANT (no trim)

Fits Mercury/Mariner and MCM/MIE.

#### 844461A50

1 throttle lever/ White/ FWD CANT (no trim)

Fits Mercury/Mariner and MCM/MIE.

# 844629A30

1 shift lever/ Black/ FWD CANT (no trim)

Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844629A50

1 shift lever/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

#### ZERO EFFORT CONTROL

#### 844461A60

1 throttle lever/ Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



# 844461A70

1 throttle lever/ White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

# 844461A80

1 throttle lever/ Black/ AFT CANT (w/ trim)

Fits Mercury/Mariner and MCM/MIE.

# 844461A90

1 throttle lever/ White/ AFT CANT (w/ trim)

Fits Mercury/Mariner and MCM/MIE.

#### ZERO EFFORT CONTROL



#### 844630A31

2 levers - 1 shift & 1 throttle/ Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.



#### 844630A51

2 levers - 1 shift & 1 throttle/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**

#### 844630A52

2 levers - 1 throttle & 1 shift/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



# 844464A30

2 throttle levers / Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

# 844464A50

2 throttle levers / White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



2 shift levers / Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844631A50

2 shift levers / White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844630A61

2 levers - 1 shift & 1 throttle/ Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844630A71

2 levers - 1 shift & 1 throttle/ White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



# 844630A81

2 levers - 1 shift & 1 throttle/ Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.



844630A91

2 levers - 1 shift & 1 throttle / White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



# 844630A62

2 levers - 1 throttle & 1 shift/ Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844630A72

2 levers - 1 throttle & 1 shift/ White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**

#### 844630A82

2 levers - 1 throttle & 1 shift/ Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844630A92

2 levers - 1 throttle & 1 shift/ White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

#### 844464A60

2 throttle levers / Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



# 844464A70

2 throttle levers / White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

# 844464A80

2 throttle levers / Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844464A90

2 throttle levers / White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844466A30

3 throttle levers / Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

#### 844466A50

3 throttle levers / White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

#### 844633A30

3 shift levers / Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844466A60

3 throttle levers / Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



# 844466A70

3 throttle levers / White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

#### 844466A80

3 throttle levers / Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# 844466A90

3 throttle levers / White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844632A33

4 levers - 1 shift & 2 throttle & 1 shift/ Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**

#### 844632A53

4 levers - 1 shift & 2 throttle & 1 shift/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



# 844632A31

4 levers - 2 shift & 2 throttle/ Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844632A51

4 levers - 2 shift & 2 throttle/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.



#### 844632A32

4 levers - 2 throttle & 2 shift/ Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

#### ZERO EFFORT CONTROL

#### 844632A52

4 levers - 2 throttle levers & 2 shift levers/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



# 844469A30

4 throttle levers/ Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**

# 844469A50

4 throttle levers/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



#### 844635A30

4 shift levers/ Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

#### 844635A50

4 shift levers/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



#### 844632A63

4 levers - 1 shift & 2 throttle & 1 shift/ Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

#### ZERO EFFORT CONTROL



#### 844632A73

4 levers - 1 shift & 2 throttle & 1 shift/ White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

# 844632A83

4 levers - 1 shift & 2 throttle & 1 shift/ Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844632A93

4 levers - 1 shift & 2 throttle & 1 shift/ White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.



#### 844632A61

4 levers - 2 shift & 2 throttle/ Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



#### 844632A71

4 levers - 2 Shift & 2 throttle/ White/ FWD CANT (w/ trim) Stbd Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844632A81

4 levers - 2 shift & 2 throttle/ Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



### 844632A91

4 levers - 2 Shift & 2 Throttle/ White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



#### 844632A62

4 levers - 2 throttle & 2 shift/ Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



#### 844632A72

4 levers - 2 throttle & 2 shift/ White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



#### 844632A82

4 levers - 2 throttle & 2 shift/ Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**

#### 844632A92

4 levers - 2 throttle & 2 shift/ White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

#### 844634A51

6 levers - 3 shift & 3 throttle/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# 844634A52

6 levers - 3 throttle & 3 shift/ White/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.



#### 844634A31

6 levers - 3 shift & 3 throttle/ Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

#### ZERO EFFORT CONTROL



#### 844634A32

6 levers - 3 throttle & 3 shift/ Black/ FWD CANT (no trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

# 844634A83

6 levers - 1 shift & 3 throttle & 2 shift/ Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

#### 844634A93

6 levers - 1 shift & 3 throttle & 2 shift/ White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

#### 844634A64

6 levers - 2 shift & 3 throttle & 1 shift/ Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **ZERO EFFORT CONTROL**



# 844634A74

6 levers - 2 shift & 3 throttle & 1 shift/ White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL

# 844634A84

6 levers - 2 shift & 3 throttle & 1 shift/ Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

#### 844634A94

6 levers - 2 shift & 3 throttle & 1 shift/ White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



#### 844634A61

6 levers - 3 shift & 3 throttle/ Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

#### **ZERO EFFORT CONTROL**



#### 844634A71

6 levers - 3 shift & 3 throttle/ White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

#### 844634A81

6 levers - 3 shift & 3 throttle/ Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# 844634A91

6 levers - 3 shift & 3 throttle/ White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



#### 844634A62

6 levers - 3 throttle & 3 shift/ Black/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# ZERO EFFORT CONTROL



#### 844634A72

6 levers - 3 throttle & 3 shift/ White/ FWD CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

#### 844634A82

6 levers - 3 throttle & 3 shift/ Black/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

#### 844634A92

6 levers - 3 throttle & 3 shift/ White/ AFT CANT (w/ trim) Fits Mercury/Mariner and MCM/MIE.

# **CONTROL LEVER W/ TRIM**



#### 848924A 5

Starboard mounted/ Black/ FWD CANT/ (w/ trim). Updates standard control to trim switch feature. Diode kit is needed when updating from controls with no trim switches, to levers with trim switches on multiple engine boats. See Diode Kits.

# **CONTROL LEVER W/ TRIM**



#### 848924A 6

Starboard mounted/ White/ FWD CANT/ (w/ trim). Updates standard control to trim switch feature. Diode kit is needed when updating from controls with no trim switches, to levers with trim switches on multiple engine boats. See Diode Kits.

# **CONTROL LEVER W/ TRIM**



#### 848924A 7

Starboard mounted/ Black/ AFT CANT/ (w/ trim). Updates standard control to trim switch feature. Diode kit is needed when updating from controls with no trim switches, to levers with trim switches on multiple engine boats. See Diode Kits.

# **CONTROL LEVER W/ TRIM**



#### 848924A 8

Starboard mounted/ White/ AFT CANT/ (w/ trim). Updates standard control to trim switch feature. Diode kit is needed when updating from controls with no trim switches, to levers with trim switches on multiple engine boats. See Diode Kits.

#### DIODE KIT



# 812497T03

Prevents feedback in the down trim circuits between multiple engines. Also need to order Diode Kit 812497A 4.

Required and only used on boats with "dual" engines when updating zero effort control levers without trim switches to levers with trim switches.

#### DIODE KIT



# 812497A 4

Prevents feedback in the up trim circuits between multiple engines. Also need to order Diode Kit 812497A 3

Required and only used on boats with "dual" engines when updating zero effort control levers without trim switches to levers with trim switches.

# **DIODE KIT**



#### 812497A 5

Prevents feedback in the down trim circuits between multiple engines. Also need to order Diode Kit  $812497A\ 6$ .

Required and only used on boats with "triple" engines when updating zero effort control levers without trim switches to levers with trim switches.

# **DIODE KIT**



#### 812497A 6

Prevents feedback in the up trim circuits between multiple engines. Also need to order Diode Kit  $812497A\ 5$ .

Required and only used on boats with "triple" engines when updating zero effort control levers without trim switches to levers with trim switches.

# REMOTE CONTROL CONVERSION KITS

#### REMOTE CONTROL CONVERSION KIT



#### 895284A01

Converts an electric start tiller handle outboard to an electric start remote throttle and shift operation. Suitable controls, throttle/shift cables and keyswitch harnessing are additionally required. The appropriate carburetor and the steering link rod attaching hardware are included in the kit.

Fits 9.9 np. FourStroke, Model Year 2005-2006, both standard and BigFoot models requiring SAE ended throttle/shift cables. Serial Numbers JPN-0R042475-0R192771 & BEL-0P325500-0P513329.

# REMOTE CONTROL CONVERSION KIT



#### 895284A02

Converts a manual start tiller handle outboard to a manual start remote throttle and shift operation. Suitable controls, throttle/shift cables and stopswitch harnessing are additionally required. The steering link rod attaching hardware is included in the kit

Fits 8/9.9 hp. FourStroke, Model Year 2005-2006, standard models requiring SAE ended throttle/shift cables. Serial Numbers JPN-0R042475-0R192771 & BEL-0P325500-0P513329.

#### REMOTE CONTROL CONVERSION KIT



#### 889246A80

Converts an 8/9.9 hp. FourStroke MH (manual start tiller model) to a MRC (manual start remote control model).

Fits the 8/9.9 hp. FourStroke MH outboard, 209 cc., all calibrations requiring Mercury style ended throttle/shift cables.

# REMOTE CONTROL CONVERSION KIT



#### 889246A81

Converts a 9.9 hp. FourStroke EH (electric start tiller model) to a ERC (electric start remote control model). Remote controls and throttle/shift cables are required separate

Fits the 9.9 hp. FourStroke EH outboard, 209 cc., EPA calibrations requiring Mercury style ended throttle/shift cables, JPN-0R192772 & newer.

# REMOTE CONTROL CONVERSION KIT



#### 889246A33

Remote control and throttle/shift cables are required separate. This kit converts an EH (electric start tiller) to an ERC (electric start remote control).

Fits the 25-30 Hp EFI FourStroke Outboard, serial number 0R106999 & above.

# REMOTE CONTROL CONVERSION KIT



#### 889246A34

Remote control and throttle/shift cables are required separate. This kit converts an MH (manual start tiller) to an MRC (manual start remote control).

Fits the 25-30 Hp EFI FourStroke Outboard, serial number 0R106999 & above.

# REMOTE CONTROL CONVERSION KIT



#### 880095A08

Converts an electric start tiller model to an electric start remote model. Suitable remote controls are required separate.

Fits Mercury 40 hp (3 cylinder) FourStroke EFI outboards (CHN-1C049739 & above) and 40/50/60 hp (4 cylinder) FourStroke EFI outboards (CHN-1C050252 & above)

#### REMOTE CONTROL CONVERSION KIT



#### 880095A11

Converts a 15 Hp. FourStroke outboard from an EH (electric tiller) model to an ERC (electric remote control) model. Remote controls, cables, etc. are not included in this kit. Power trim models require additional trim harness kit 84-856554A02. Fits the 15 Hp. FourStroke EH outboard, 351cc., 0R235949 and above.

# REMOTE CONTROL CONVERSION KIT



#### 880095A12

Converts a 20 Hp. FourStroke outboard from an EH (electric tiller) model to an ERC (electric remote control) model. Remote controls, cables, etc. are not included in this kit. Power trim models require additional trim harness kit 84-856554A02. Fits the 20 Hp. FourStroke EH outboard, 351cc., 0R235168 and above.

# **POWER TRIM HARNESS KIT**



#### 84-856554A02

Required to complete the conversion of the 15/20 Hp. FourStroke (351cc) outboard from a tiller handle power trim model to a remote controlled power trim model. Fits the 15/20 Hp. FourStroke, 351cc., EHPT model outboard beginning with serial number 0R235168 and above.

# REMOTE CONTROL CONVERSION KIT



#### 803583A 4

Also requires the addition of an Electrical Harness 17162. This kit will not fit engines equipped with integral fuel tank assemblies.

Fits Mercury/Mariner 4/5/6 hp. FourStroke outboards with remote fuel tanks, serial number 0R000001-0R411837.

# REMOTE CONTROL CONVERSION KIT



#### 8M0062241

Fits Mercury/Mariner 4/5/6 hp. FourStroke outboards, serial number 0R411838 and above



84-17162

Required for the 4/5 hp. 4-Stroke along with the Attaching Kit. This kit will not fit engines equipped with integral fuel tank assemblies.

Fits Mercury/Mariner 4/5/6 hp. FourStroke outboards with remote fuel tanks.

### REMOTE CONTROL ATTACHING KITS

### REMOTE CONTROL ATTACHING KIT



### 16840A 2

Includes remote stop switch with 20 ft.(6.1 m) extension harness and remote steering bracket that adapts to either mechanical push-pull steering or cable and pulley steering.

Fits Mercury/Mariner 4 & 5 (2-Stroke).

### REMOTE CONTROL ATTACHING KIT



### 42805A 6

Fits Mercury/Mariner 6/8/9.9 and 15 (U.S. origin).

### **REMOTE CONTROL ATTACHING KIT**



### 856553A 2

Fits Mercury/Mariner 9.9 Hp FourStroke (323cc - USA 0G760300-1B226999, BEL 0P075166-0P400999) and 15 Hp FourStroke (323cc - USA 0G590000-1B727495)

### REMOTE CONTROL ATTACHING KIT



### 826633A 1

For side shift or shift in handle models. Also requires the installation of Ride Guide Attaching Kit 41323A03. Electric start models will require installation of Remote Control Harness Assembly 95723A 4.

Fits Mercury/Mariner 20/25 (U.S. S/N 0G044027 and above; Belgium S/N 9807909 and above). This kit does NOT fit the 20 JET outboard.

### REMOTE CONTROL ATTACHING KIT



### 859186A 1

Fits Mercury/Mariner 25 Hp Carb FourStroke outboard.

### REMOTE CONTROL ATTACHING KIT



### 826557A 1

Fits Mercury/Mariner 30/40 (2-Stroke - 2 cyl. - U.S. origin)( 1994 and newer)

### **REMOTE CONTROL ATTACHING KIT**



### 859185A 1

Fits Mercury/Mariner 30/40 (4-Stroke), 3 cylinder, carbureted models through Model Year 2005, and fits the Mercury/Mariner 40 hp. (3 cyl.) FourStroke, Model Year 2006 carbureted models with short shaft and vertical shift.

### REMOTE CONTROL ATTACHING KIT



### 859185A 2

Fits Mercury/Mariner 30/40 (4-Stroke), 3 cylinder, EFI models through Model Year 2005, and fits Mercury/Mariner 40 hp. (3 cyl.) FourStroke EFI models, Model Year 2006 with a short shaft and vertical shift.

### REMOTE CONTROL ATTACHING KIT



### 859185A04

Fits the Mercury/Mariner 40 hp. (3 cyl.) FourStroke, Model Year 2006 EFI models with long shaft and rotary shift.

### REMOTE CONTROL ATTACHING KIT



### 859219A 1

This kit should be used with a remote steering attaching kit to provide complete remote control operation.

Fits Mercury/Mariner 40 hp. (USA 0G531301 and Newer, BEL 9973100 and Newer) and 50 (USA 0G590000 and Newer, BEL 9973100 and Newer).

### REMOTE CONTROL ATTACHING KIT



### 880093A 1

Fits 2001 and newer Mercury 40 hp 4-Stroke Bigfoot and 50/60 hp 4-Stroke Carb outboards (s/n 0T178500 and up).

### REMOTE CONTROL ATTACHING KIT



### 880093A 2

Fits 2002-2006 Mercury 40 hp 4-Stroke Bigfoot and 50/60 hp 4-Stroke EFI outboards (USA-0T409000-1B344306, BEL-0P401000-0P515896, CHN-1C000001-1C050251).

### **OUTBOARD RIGGING HOSE KIT**

Used to enclose remote harness, hoses, cables, etc. between engine cowl and boat transom.

### **RIGGING TUBE KIT**



### 32-825191A03

Rigging Tube kit includes 5 ft length (2 in. dia. x 2.3 threads per inch) tube that screws into the fitting coming out of the Verado. If OptiMax engine, requires the use of the clamp to attach to fitting coming out of engine. Included in the kit is plastic transom fitting that screws to the tube and can be fastened to the boat. 2005 and newer Verado engines as well as all Opti Max engines

### 32-8M0088822

Rigging Tube kit includes 5 ft length (2 in. dia. x 2.3 threads per inch) tube that screws into the fitting coming out of the engine. Includes new grommet 8M0075942 that is used when installing rigging tubes. Remove existing grommet from cowl and replace with this grommet.

New 75-115 4 stroke

### 32-8M0062693

Rigging Tube kit includes 5 ft length (2 in. dia. x 2.3 threads per inch) tube that screws into the fitting coming out of the engine. Includes new grommet 8M0061160 that is used when installing rigging tubes. Remove existing grommet from cowl and replace with this grommet.

Used on 150 EFI 4-Stroke engine only

### **GROMMET - INGRESS**



### 8M0062583

Special Grommet used with Rigging Kits 150 HP 4 Stroke only

### **RIGGING HOSE**



### 32-859055 5

Replacement Hose, 2 in. dia.  $\times$  2.3 threads per inch, furnished in a 5 ft. length. Fits various Mercury / Mariner V-6 outboards. See application chart for specific engine models.

### 32-859055 50

Replacement Hose, furnished in a 50 ft. bulk length that can be cut to required length.

Fits various Mercury / Mariner V-6 outboards. See application chart for specific engine models.

Priced individually, sold @ multiples of 2

### **COWL FITTING**



### 875266A 2

Used on engine end of rigging hose.

Fits various Mercury / Mariner V-6 outboards. Furnished standard with the engines beginning with model year 2,000. See application chart for specific engine models.

### **COWL FITTING**



### 8M8027677

Used on engine end of rigging hose.

Fits various Mercury / Mariner V-6 outboards. Furnished standard with the engines beginning with model year 2,000.

### **RIGGING HOSE CHART**

### Mercury/Mariner Rigging Hoses

Model	Brand	Year Range	Country	Serial # Range	Rigging Hose Kit Part Number	Cowl Fitting Required
2.0L V-6	Mercury/Mariner	1996 - 1999	USA	0G303046 - 0G949999	32-825191A03	875266A 2
2.0L V-6	Mercury/Mariner	2000 - 2019	USA	0T065504 and up	32-825191A03	Incl. With Engine
2.5L V-6	Mercury/Mariner	1996 - 1999	USA	0G303046 - 0G949999	32-825191A03	875266A 2
2.5L V-6	Mercury/Mariner	2000 - 2019	USA	0T065504 and up	32-825191A03	Incl. With Engine
2.5L OPTIMAX	Mercury/Mariner	1998 - 1999	USA	0G590000 - 0G949999	32-825191A03	875266A 2
2.5L OPTIMAX	Mercury/Mariner	2000 - 2019	USA	0T065504 and up	32-825191A03	Incl. With Engine
3.0L V-6	Mercury/Mariner	1994 - 1999	USA	0D280813 - 0G949999	32-825191A03	875266A 2
3.0L V-6	Mercury/Mariner	2000 - 2019	USA	0T014000 and up	32-825191A03	Incl. With Engine
3.0L DFI	Mercury/Mariner	1997	USA	0G386496 - 0G589999	32-825191A03	875266A 2
3.0L OPTIMAX	Mercury/Mariner	1998 - 1999	USA	0G590000 - 0G949999	32-825191A03	8M8027677
3.0L OPTIMAX	Mercury/Mariner	2000 - 2019	USA	0T014000 and up	32- <b>825191A03</b>	Incl. With Engine
225 EFI FourStroke	Mercury/Mariner	2003 - 2019	USA	0T635945 and up	32- <b>825191A03</b>	Incl. With Engine



# MECHANICAL REMOTE CONTROLS

Model	Brand	Year Range	Country	Serial # Range	Rigging Hose Kit Part Number	Cowl Fitting Required
Verado	Mercury/Mariner	2005 - 2019	USA	0T980000 and up	32-825191A03	Incl. With Engine
150 EFI FourStroke	Mercury/Mariner	2011 - 2019	USA	1B905505 and up	32-8M0062693	Incl. With Engine

### **MORSE 33C SERIES CABLE ADAPTERS**

### **CABLE ADAPTER**



82779

To convert control end of Morse 33C style cable to 64-809894- cable application.

### ADAPTER KIT -MERCURY (T/S)



### 64-892790A01

Adapts 33C style cables for use with Mercury engines- Includes 2 sets of parts for two cables

### ADAPTER KIT -JOHNSON/EVINRUDE (T/S)



### 64-892790A02

Adapts 33C style cables for use with Johnson/Evinrude engines. Includes 2 sets of parts for two cables

### **CABLE ADAPTER KIT**



### 898289A21

Converts an older SAE cable engine to accept Mercury style throttle/shift cables. Fits the 8/9.9 hp. FourStroke (209cc) outboard, serial number 0R192771 and prior.

### F5H208/\_\_ THROTTLE AND SHIFT CABLES

Available in 1 ft.(305 mm) increments up to 26 ft.(7.9 m). Packaged two cables per carton. Connectors are not shipped with cables and must be purchased separately. Fits Force outboards (1992 and prior)

### FORCE THROTTLE AND SHIFT CABLE



### F5H208/18

Cable end connectors not included 5.5 m (18 ft.)

### F5H208/22

Cable end connectors not included 6.7 m (22 ft.)

### **FORCE 1992 AND PRIOR CABLE CONNECTORS**

### THROTTLE CABLE CONNECTOR



### FA58976-1

Fits Force outboards (1992 and prior)

### SHIFT CABLE CONNECTOR



### F58685-2

Fits Force outboards (1992 and prior)

# MECHANICAL REMOTE CONTROLS

# TWO STATION THROTTLE & SHIFT CABLES ATTACHING KIT

For use with Dual station Two Lever Controls.

### TWO STATION THROTTLE/SHIFT KIT



### 89645A34

For use in dual MerCruiser control stations. Includes hardware for attaching throttle and shift cables from both stations to the engine. Twin engines require two kits. Fits MCM/MIE carburetor and EFI (TBI) models

### TWO STATION THROTTLE/SHIFT KIT



### 89645A37

For use in dual MerCruiser control stations. Includes hardware for attaching throttle and shift cables from both stations to the engine. Twin engines require two kits. Fits MCM/MIE MPI models, except 4.5L and 6.2L (2015 and newer) and 8.2L engines

### TWO STATION THROTTLE/SHIFT KIT



### 8M0046250

For use in dual MerCruiser control stations. Includes hardware for attaching throttle and shift cables from both stations to the engine. Twin engines require two kits. Fits MCM/MIE 8.2L models

### **BULKHEAD FITTINGS AND BELLOWS KITS**

### **BULKHEAD COMPRESSION FITTINGS**



### 820675

Fits Sport-Jet 90/95/120 and 175 with 40 series cables. Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

### **BULKHEAD COMPRESSION FITTINGS**



### 820677A 1

For 30 series cable, use either Bulkhead Compression Fittings or Bulkhead Bellows Kits. Not for use together.

Fits Sport-Jet 90/95/120 with 30 series shift cables.

### **SHIFT CABLE BELLOWS**



### 877581A 5

For 40 series cable, installs on cable outside of transom.

Fits Sport-Jet 120XR2 and 175 (2000 and newer) with 40 series shift cables. Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

### **BULKHEAD BELLOWS KIT**



### 850697A 2

Fits Jet Drive models with 40 series cables

# PLATINUM PLUS THROTTLE AND SHIFT CABLE GEN I

Platinum Plus Throttle and Shift cable is built for a long life and is designed for maximum performance in all weather conditions – even down to 0 degrees Fahrenheit.

Layered Technology Featuring -

- Tough Tough polypropylene outer jacket is UV and abrasion resistant
   22 oil-tempered wires for increased compression strength and
- Lubricated core liner to stand up to the harsh marine environment
- while remaining flexible
   Patented hexagonal shape allows for minimal contact with the liner
- Stainless steel core is specially designed to handle tough compression loads, but flexible for severe applications

### PLATINUM PLUS THROTTLE AND SHIFT CABLE



### 8M0082479

6 FT (1.8m)

Gen I Controls

### 8M0082480

7 FT (2.1m)

Gen I Controls

### 8M0082481

8 FT (2.4m)

Gen I Controls

### 8M0082482

9 FT (2.7m)

### Gen I Controls

**8M0082483** 10 FT (3.0m)

Gen I Controls

### 8M0082484

8M0082485

11 FT (3.4m)

### Gen I Controls

12 FT (3.7m)

### Gen I Controls

8M0082486

### 13 FT (4.0m)

Gen I Controls

### 8M0082487

14 FT (4.3m) Gen I Controls

### 8M0082488

15 FT (4.6m)

Gen I Controls

### 8M0082489

16 FT (4.9m) Gen I Controls

### 8M0082490

17 FT (5.2m)

Gen I Controls

### 8M0082491

18 FT (5.5m)

Gen I Controls

### 8M0082492

19 FT (5.8m)

Gen I Controls

### 8M0082493

20 FT (6.1m)

Gen I Controls

### 8M0082494

21 FT (6.4m)

Gen I Controls

### 8M0082495

22 FT (6.7m)

Gen I Controls

### 8M0082496

23 FT (7.0m)

Gen I Controls

### 8M0082497

24 FT (7.3m)

Gen I Controls

### 8M0082498

25 FT (7.6m)

Gen I Controls

### 8M0082499

26 FT (7.9m)

Gen I Controls

# **8M0082500** 27 FT (8.2m)

Gen I Controls

8M0082501

### 28 FT (8.5m)

Gen I Controls

8M0082502

### ET /9 9m)

29 FT (8.8m)

Gen I Controls

### 8M0082503

30 FT (9.1m)

Gen I Controls

# 8M0082504

32 FT (9.4m) Gen I Controls

Gen i Controis

### **8M0082505** 34 FT (10.4m)

Gen I Controls

Gen i Contiols

### 8M0082506

36 FT (11.0m)

Gen I Controls

### 8M0082507

38 FT (11.6m)

Gen I Controls

### 8M0082508

40 FT (12.2m)

Gen I Controls

### 8M0085100

9 FT (2.7m) GEN I Controls

Priced individually, sold @ multiples of 24

8M0085101

10 FT (3.0m) GEN I Controls

Priced individually, sold @ multiples of 24

8M0085102

11 FT (3.4m)

**GEN I Controls** 

Priced individually, sold @ multiples of 24

8M0085103

12 FT (3.7m)

**GEN I Controls** 

Priced individually, sold @ multiples of 24

8M0085104

13 FT (4.0m)

GEN I Controls

Priced individually, sold @ multiples of 24

8M0085105

14 FT (4.3m)

GEN I Controls

Priced individually, sold @ multiples of 24

8M0085106

15 FT (4.6m)

GEN I Controls

Priced individually, sold @ multiples of 24

### PLATINUM PLUS THROTTLE AND SHIFT CABLE **GEN II**

Platinum Plus Throttle and Shift cable is built for a long life and is designed for maximum performance in all weather conditions – even down to 0 degrees Fahrenheit.

- Layered Technology Featuring Tough polypropylene outer jacket is UV and abrasion resistant
- 22 oil-tempered wires for increased compression strength and
- Lubricated core liner to stand up to the harsh marine environment while remaining flexible
- Patented hexagonal shape allows for minimal contact with the liner
- Stainless steel core is specially designed to handle tough compression loads, but flexible for severe applications

### PLATINUM PLUS THROTTLE AND SHIFT CABLE



8M0082526

3 FT (.92m)

Gen II Controls

8M0082527

4 FT (1.2m)

Gen II Controls

8M0082528

5 FT (1.5m)

Gen II Controls

8M0082529

6 FT (1.8m)

Gen II Controls

8M0082530

7 FT (2.1m)

Gen II Controls

8M0082531

8 FT (2.4m)

Gen II Controls

8M0082532

9 FT (2.7m)

Gen II Controls

8M0082533

10 FT (3.0m)

Gen II Controls

8M0082534

11 FT (3.4m)

Gen II Controls

8M0082535

12 FT (3.7m)

Gen II Controls

8M0082536

13 FT (4.0m)

Gen II Controls

8M0082537

14 FT (4.3m)

Gen II Controls

15 FT (4.6m)

Gen II Controls

8M0082539

8M0082538

16 FT (4.9m)

Gen II Controls

8M0082540

17 FT (5.2m)

Gen II Controls

8M0082541

18 FT (5.5m)

Gen II Controls

8M0082542 19 FT (5.8m)

Gen II Controls

8M0082543

20 FT (6.1m)

Gen II Controls

8M0082544

21 FT (6.4m)

Gen II Controls

8M0082545

22 FT (6.7m)

Gen II Controls

8M0082546

23 FT (7.0m)

Gen II Controls

8M0082547

24 FT (7.3m)

Gen II Controls

8M0082548

25 FT (7.6m)

Gen II Controls

8M0082549 26 FT (7.9m)

Gen II Controls

8M0082550 27 FT (8.2m)

Gen II Controls

8M0082551

28 FT (8.5m)

Gen II Controls

8M0082552

29 FT (8.8m)

Gen II Controls

8M0082553

30 FT (9.2m)

Gen II Controls

8M0082554

32 FT (9.8m)

Gen II Controls

8M0082555

34 FT (10.4m)

Gen II Controls

8M0082556

36 FT (11.0m)

Gen II Controls

8M0082557

38 FT (11.6m)

Gen II Controls

8M0082558

40 FT (12.2m)

Gen II Controls

8M0085107

10 FT (3.0m)

Gen II Controls

Priced individually, sold @ multiples of 24

8M0085108

11 FT (3.4m)

Gen II Controls

Priced individually, sold @ multiples of 24

8M0085109

12 FT (3.7m)

Gen II Controls

Priced individually, sold @ multiples of 24

8M0085110

13 FT (4.0m)

Gen II Controls

Priced individually, sold @ multiples of 24

8M0085111

14 FT (4.3m)

Gen II Controls

Priced individually, sold @ multiples of 24

8M0085112

15 FT (4.6m)

Gen II Controls

Priced individually, sold @ multiples of 24

8M0085113

16 FT (4.9m)

Gen II Controls

Priced individually, sold @ multiples of 24

8M0085114

17 FT (5.2m)

Gen II Controls

Priced individually, sold @ multiples of 24

8M0085115

18 FT (5.5m)

Gen II Controls

Priced individually, sold @ multiples of 24

8M0085116

19 FT (5.8m)

Gen II Controls

Priced individually, sold @ multiples of 24

### 8M0085117

20 FT (6.1m)

Gen II Controls

Priced individually, sold @ multiples of 24

### 8M0085121

22 FT (6.7m)

Gen II Controls

Priced individually, sold @ multiples of 24

### 8M0085122

23 FT (7.0m)

Gen II Controls

Priced individually, sold @ multiples of 24

### 8M0085123

24 FT (7.3m)

Gen II Controls

Priced individually, sold @ multiples of 24

### 8M0085124

25 FT (7.6m)

Gen II Controls

Priced individually, sold @ multiples of 24

### 8M0085125

26 FT (7.9m)

Gen II Controls

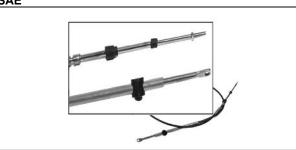
Priced individually, sold @ multiples of 24

### GEN I/SAE PLATINUM PLUS THROTTLE AND SHIFT **CABLES**

Platinum Plus Throttle and Shift cable is built for a long life and is designed for maximum performance in all weather conditions – even down to 0 degrees Fahrenheit.

- Layered Technology Featuring Tough polypropylene outer jacket is UV and abrasion resistant
- 22 oil-tempered wires for increased compression strength and
- Lubricated core liner to stand up to the harsh marine environment while remaining flexible
- Patented hexagonal shape allows for minimal contact with the liner
- Stainless steel core is specially designed to handle tough compression loads, but flexible for severe applications

# PLATINUM PLUS THROTTLE AND SHIFT CABLE GEN I



### 8M0085942

5 FT (1.5m)

GEN Ì Controls

8M0085940 6 FT (1.8m)

GEN I Controls

8M0085964

7 FT (2.1m) GEN I Controls

8M0085941

8 FT (2.4m)

GEN Ì Controls

**8M0085946** 9 FT (2.7m)

GEN I Controls 8M0085937

10 FT (3.0m)

GEN I Controls 8M0085951

11 FT (3.4m)

GEN I Controls

8M0085949

12 FT (3.7m) GEN I Controls

8M0085952

13 FT (4.0m)

GEN I Controls 8M0085945

14 FT (4.3m)

GEN I Controls

8M0085960

15 FT (4.6m)

GEN I Controls

8M0085963

16 FT (4.9m) GEN I Controls

SEN I Controls 8M0085956

17 FT (5.2m)

GEN I Controls

8M0085947

18 FT (5.5m) GEN I Controls

8M0085954

19 FT (5.8m)

GEN I Controls

8M0085957

20 FT (6.1m)

GEN I Controls

8M0085962

21 FT (6.4m)

GEN I Controls

8M0085959

22 FT (6.7m)

GEN I Controls

8M0085958

23 FT (7.0m)

GEN I Controls

**8M0085943** 24 FT (7.3m)

GEN I Controls

8M0085939

25 FT (7.6m)

GEN I Controls

8M0085950

26 FT (7.9m) GEN I Controls

8M0085944

27 FT (8.2m)

GEN I Controls

8M0085938

28 FT (8.5m)

GEN I Controls

8M0085961

29 FT (8.8m)

**GEN I Controls** 

### 8M0085953

30 FT (9.1m) GEN I Controls

# GEN II/SAE PLATINUM PLUS THROTTLE AND SHIFT CABLES

Platinum Plus Throttle and Shift cable is built for a long life and is designed for maximum performance in all weather conditions – even down to 0 degrees Fahrenheit.

Layered Technology Featuring -

- Tough polypropylene outer jacket is UV and abrasion resistant 22 oil-tempered wires for increased compression strength and durability
- Lubricated core liner to stand up to the harsh marine environment while remaining flexible
- Patented hexagonal shape allows for minimal contact with the liner
- Stainless steel core is specially designed to handle tough compression loads, but flexible for severe applications

# PLATINUM PLUS THROTTLE AND SHIFT CABLES GEN II SAE



### 8M0085966

5 FT (1.5m)

GEN II Controls

8M0085967

6 FT (1.8m)

GEN II Controls

8M0085968

7 FT (2.1m)

GEN II Controls

8M0085969

8 FT (2.4m)

GEN II Controls

8M0085970

9 FT (2.7m)

GEN II Controls

**8M0085971** 10 FT (3.0m)

GEN II Controls

8M0085972

11 FT (3.4m)

GEN II Controls

8M0085973

12 FT (3.7m)

**GEN II Controls** 

8M0085974

13 FT (4.0m)

**GEN II Controls** 

8M0085975

14 FT (4.3m)

GEN II Controls

8M0085976

15 FT (4.6m)

GEN II Controls

### 8M0085977 16 FT (4.9m) **GEN II Controls** 8M0085978 17 FT (5.2m) GEN II Controls 8M0085979 18 FT (5.5m) **GEN II Controls** 8M0085980 19 FT (5.8m) **GEN II Controls** 8M0085981 20 FT (6.1m) GEN II Controls 8M0085982 21 FT (6.4m) GEN II Controls 8M0085983 22 FT (6.7m) **GEN II Controls** 8M0085984 23 FT (7.0m) **GEN II Controls** 8M0085985 24 FT (7.3m) **GEN II Controls** 8M0085986 25 FT (7.6m) **GEN II Controls** 8M0085987 26 FT (7.9m) **GEN II Controls** 8M0085988 27 FT (8.2m) **GEN II Controls** 8M0085989 28 FT (8.5m) **GEN II Controls** 8M0085990 29 FT (8.8m) **GEN II Controls** 8M0085991

30 FT (9.1m) **GEN II Controls** 

### **SOLID CORE THROTTLE / SHIFT CABLES**

Single core cables, 100% compatible with Gen I remote controls:

- Compatible with 881170-series side mount remote controls (MSC
- Compatible with 88688-series single and dual commander console mounts
- Services consoles prior to 1998
- High quality cable features:

   Tight tolerance motion reaction
- 100% wire wrapped outer conduit for added cable strength
- Solid stainless steel inner core
- Sealed lubrication system
- · Cable and packaging Mercury branded

### SOLID CORE THROTTLE AND SHIFT CABLE



	8M0080432	
6 ft.		
7 ft.	8M0080433	
/ IL.	8M0080434	
8 ft.	01110000434	
	8M0080435	
9 ft.		
10.0	8M0080436	
10 ft.	8M0080437	
11 ft.	6MUU6U437	
1116	8M0080438	
12 ft.		
	8M0080439	
13 ft.		
14 ft.	8M0080440	
1411.	8M0080441	
15 ft.		
	8M0080442	
16 ft.		
47.0	8M0080443	
17 ft.	8M0080444	
18 ft.	OMOUOU444	
	8M0080445	
19 ft.		
	8M0080446	
20 ft.	0140000447	
21 ft.	8M0080447	
£ 1 II.	8M0080448	
22 ft.		

# PLATINUM PLUS THROTTLE AND SHIFT CABLE

Platinum Plus Throttle and Shift cable is built for a long life and is designed for maximum performance in all weather conditions – even down to 0 degrees Fahrenheit.

- Layered Technology Featuring Tough polypropylene outer jacket is UV and abrasion resistant
   22 oil-tempered wires for increased compression strength and durability
- Lubricated core liner to stand up to the harsh marine environment while remaining flexible
- Patented hexagonal shape allows for minimal contact with the liner
- Stainless steel core is specially designed to handle tough compression loads, but flexible for severe applications

### PLATINUM PLUS THROTTLE AND SHIFT CABLE



8M0082575

3 FT (.92m)

SAE Controls

8M0082576

4 FT (1.2m)

SAE Controls

8M0082577

5 FT (1.5m)

SAE Controls

8M0082578

6 FT (1.8m)

SAE Controls

8M0082579

7 FT (2.1m)

SAE Controls

8M0082580

8 FT (2.4m)

SAE Controls

8M0082581 9 FT (2.7m)

SAE Controls

8M0082582

10 FT (3.0m)

SAE Controls

8M0082583

11 FT (3.4m) SAE Controls

8M0082584

12 FT (3.7m)

SAE Controls

8M0082585

13 FT (4.0m)

SAE Controls

8M0082586

14 FT (4.3m)

SAE Controls

8M0082587

15 FT (4.6m)

SAE Controls

8M0082588

16 FT (4.9m)

SAE Controls

8M0082589 17 FT (5.2m)

SAE Controls

8M0082590

18 FT (5.5m)

SAE Controls

8M0082591

19 FT (5.8m)

SAE Controls

8M0082592

20 FT (6.1m)

SAE Controls

8M0082593

21 FT (6.4m)

SAE Controls

8M0082594

22 FT (6.7m)

SAE Controls

8M0082595

23 FT (6.7m)

SAE Controls

8M0082596

24 FT (7.0m)

SAE Controls

8M0082597 25 FT (7.3m)

SAE Controls

8M0082598

26 FT (7.6m)

SAE Controls

8M0082599

27 FT (7.9m)

SAE Controls

### **MORSE 33C SERIES CABLE ADAPTERS**

### **CABLE ADAPTER**



82779

To convert control end of Morse 33C style cable to 64-809894- cable application.

### **CABLE ADAPTER KIT**



### 889355A 1

Adapts throttle/shift cables with 10/32 UNF threaded engine end for use with the 225 EFI FourStroke outboard.

### TWO STATION THROTTLE & SHIFT ATTACHING KIT

For use with Dual station Two Lever Controls.

### TWO STATION THROTTLE/SHIFT KIT



### 89645A34

For use in dual MerCruiser control stations. Includes hardware for attaching throttle and shift cables from both stations to the engine. Twin engines require two kits. Fits MCM/MIE carburetor and EFI (TBI) models

### TWO STATION THROTTLE/SHIFT KIT



### 89645A37

For use in dual MerCruiser control stations. Includes hardware for attaching throttle and shift cables from both stations to the engine. Twin engines require two kits. Fits MCM/MIE MPI models, except 4.5L and 6.2L (2015 and newer) and 8.2L engines

### TWO STATION THROTTLE/SHIFT KIT



### 8M0046250

For use in dual MerCruiser control stations. Includes hardware for attaching throttle and shift cables from both stations to the engine. Twin engines require two kits. Fits MCM/MIE 8.2L models

### 858342A\_ SERIES SHIFT CABLES

### SHIFT CABLE



### 858342A10

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200

OptiMax, 210 & 240 EFI Jet Drives.

3.0 m (10 ft.)

### 858342A12

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

3.7 m (12 ft.)

### 858342A14

40 series cable with cable end connector. Includes shift cable bellows kit. Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

4.3 m (14 ft.)

### 858342A16

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

4.9 m (16 ft.)

### 858342A18

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

5.5 m (18 ft.)

### 858342A20

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

6.1 m (20 ft.)

### 858342A22

40 series cable with cable end connector. Includes shift cable bellows kit. Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.
6.7 m (22 ft.)

### 820671A\_ SERIES SHIFT CABLES

30 Series cable with 10/32 end threads.

### SHIFT CABLE



### 820671A8

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 2.4 m (8 ft.)

### 820671A10

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 3.0 m (10 ft.)

### 820671A12

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 3.7 m (12 ft.)

### 820671A14

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 4.3 m (14 ft.)

### 820671A16

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 4.9 m (16 ft.)

### 820671A18

30 series cable with 10/32 end threads. Fits Sport-Jet 90/95/120 (1993-96) 5.5 m (18 ft.)

### 64-853951A SERIES SHIFT CABLES

### SHIFT CABLE



### 64-853951A10

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit.

Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1.

3.0 m (10 ft.)

### 64-853951A12

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit. Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1.

3.7 m (12 ft.)

### 64-853951A14

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit. Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1.

4.3 m (14 ft.)

### 64-853951A16

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit. Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1.

4.9 m (16 ft.)

### 64-853951A18

40 series cable with 1/4-28 end threads. Includes shift cable bellows kit. Fits Sport-Jet 175 (1997 thru 1999) and can also be used for 90/95/120 when used with optional Remote Control and Conversion Kit 850698A 1. 5.5 m (18 ft.)

### 858342A SERIES SHIFT CABLES

### **SHIFT CABLE**



### 858342A10

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

3.0 m (10 ft.)

### 858342A12

40 series cable with cable end connector. Includes shift cable bellows kit. Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

3.7 m (12 ft.)

### 858342A14

40 series cable with cable end connector. Includes shift cable bellows kit. Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

4.3 m (14 ft.)

### 858342A16

40 series cable with cable end connector. Includes shift cable bellows kit. Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

4.9 m (16 ft.)

### 858342A18

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

5.5 m (18 ft.)

### 858342A20

40 series cable with cable end connector. Includes shift cable bellows kit.

Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

6.1 m (20 ft.)

### 858342A22

40 series cable with cable end connector. Includes shift cable bellows kit. Fits Sport-Jet 120XR2 (1999 and newer) and 175 (2000 and newer). Also fits 200 OptiMax, 210 & 240 EFI Jet Drives.

6.7 m (22 ft.)

### **JOYSTICK RIGGING**

### **JOYSTICK PILOTING - KEY FEATURES**



## **Joystick Piloting**

# Total control at your fingertips



### Relax. Everything's under control.

Forget complex. Forget stressful positioning or maneuvering in tight spaces during less-than-ideal situations. Focus instead on a new feeling. One of total confidence. Confidence that comes from being effortlessly, intuitively, completely in control of your boat, thanks to the Mercury's Joystick Piloting system. The power to make your boat do exactly what you want, with just a touch of your fingertips. You don't have to be a control freak to appreciate that.

- · Easy joystick docking and maneuvering
- · Quieter and more capable than competitive systems
- Proportional joystick allows control of both throttle and steering with one hand
- SmartCraft® Digital Throttle & Shift (DTS) and electro-hydraulic power steering
- · System can be maintained while boat is in the water
- Mercury's engine-matched warranty provides confident boating for years to come
- · All components manufactured and fully integrated by Mercury

### **JOYSTICK PILOTING - STANDARD FEATURES**



### Joystick functionality

- Easy positioning of the boat sideways, at an angle, or rotating in place
- · Intuitive, proportional control of thrust and speed
- · Hold prolonged low speeds through no-wake harbors
- Auto trim sets engine trim at optimal level when joystick is engaged

# Safety, reliability and durability

- Engine Guardian for protection and peace of mind
- Based on the proven Mercury technology of Joystick Piloting for Outboards, Sterndrives and Zeus® pod technology

### **Engine options**

GAS STERNDRIVE 4.5L, 6.2L and 8.2L

DIESEL STERNDRIVE 4.2L QSD, 3.0L TDI,

4.2L USD, 3.0L

### OUTBOARDS

250HP Verado®, 300HP Verado, 350HP Verado, 400R Verado

### **ADDITIONAL FEATURES**

DTS, SmartCraft®, Dual helm



### SKYHOOK®

Uses GPS technology to maintain your boat's position and heading - and helps you maintain control of your boat.

### ROUTE

With your approved chart plotter, Route will follow the predetermined vessel's course. The vessel will turn automatically to the next point.

### HEADING

Uses a built-in digital compass to maintain vessel course. Heading can be adjusted by 1° if you bump the joystick left or right or 10° if you twist the joystick.

### **VESSELVIEW®\***

Access and monitor all of your vessel's systems from a central location, or set the Cruise Control feature.









### SKYHOOK



# Skyhook<sup>®</sup> digital anchor

by Mercury Marine\*





# Keep your boat in place with the push of a button

Mercury Skyhook digital anchor allows you to lock your boat's position using a GPS satellite antenna. Then, working with your engines and drives, Skyhook maintains your position and heading regardless of wind or current.

# **Key features**

- Ideal for holding your boat over a fishing spot, waiting for bridges to open or holding position while next in line at a fuel docking station
- GPS technology and electronic compass automatically control shifting, throttling and steering to maintain heading and approximate position
- Simple to operate just place the levers in neutral and push the Skyhook button to lock both position and heading
- Standard on all Joystick Piloting for Outboards (JPO), Joystick Piloting for Sterndrives (JPS) and Zeus applications



MercuryMarine.com

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### **SKYHOOK ADVANCED FEATURES**



# Skyhook® Advanced Features

# The ultimate vessel control experience

Mercury's latest innovative offering, Skyhook Advanced Features, provides even more control over your Joystick equipped vessel for very specific situations. Available as downloadable content (DLC) through the GoFree Shop, you can purchase the exact features you want or bundle them all together for the ultimate vessel control experience.

These features require Mercury's latest joystick system and the VesselView703 (available June 2017). VesselView502, VesselView702 and compatible Lowrance and Simrad displays will have these features available for purchase after a software update in late 2017. The electronic control modules on your Joystick system may need to be have firmware updated by your Mercury certified dealer in order to utilize these advanced features.

### Heading Adjust a SKYHOOK feature

Capability to adjust the heading lock in 1 and 10 degree increments while SkyHook is active. Boating made easy just got easier.

### BowHook a SKYHOOK feature

Unlock heading and just maintain position, allowing the boat to point in whatever direction the winds and currents dictate. Useful when a locked in heading is not necessary.

### DriftHook a SKYHOOK feature

Maintain heading and unlock the position of the vessel allowing winds and currents to move the vessel along. Adjustments of 1 and 10 degree increments can be made while drifting when bundled with Heading Adjust...





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MercuryMarine.com

### **JOYSTICK FEATURES**



## **JOYSTICK RIGGING**

### **AUXILIARY JOYSTICK DUAL ENGINE**

### 8M0115487

Auxiliary joystick is a joystick only station, perfect for larger boats and able to be mounted in a convenient location. Includes all components necessary for mounting. If 2 auxiliary joysticks are being installed, a DTS shadow mode resistor pack is needed in addition to this.

Dual engine JPO, JPS, JPI, and Zeus

### AUXILIARY JOYSTICK - TRIPLE ENGINE 8M0115490

Auxiliary joystick is a joystick only station, perfect for larger boats and able to be mounted in a convenient location. Includes all components necessary for mounting. If 2 auxiliary joysticks are being installed, a DTS shadow mode resistor pack is needed in addition to this.

Triple engine JPO and Zeus

### **AUXILIARY JOYSTICK QUAD ENGINE**



### 8M0117143

Auxiliary joystick is a joystick only station, perfect for larger boats and able to be mounted in a convenient location. Includes all components necessary for mounting. If 2 auxiliary joysticks are being installed, a DTS shadow mode resistor pack is needed in addition to this.

Quad engine JPO and Zeus

### **JOYSTICK ASSEMBLY**



### 879365A21

The Joystick assembly is part of multiple Joystick Piloting kits to make boating easy.

The Joystick steering is offered across multiple engine systems. Joystick Piloting for Outboards (JPO), Joystick Piloting for Sterndrive (JPS) and ZEUS for Diesel.

### JOYSTICK ASSEMBLY



### 8M0108314

Joystick Assembly used in Joystick Piloting applications, included in the rigging kits.

Service component for Joystick Piloting applications circa mid-2016 and later.

### JOYSTICK ASSEMBLY



### 8M0118806

Joystick assembly used in Joystick Piloting for Inboards - single engine applications, included in the rigging kit.

Service component for Joystick Piloting for Inboards - single engine applications.

### **JOYSTICK ASSEMBLY**



### 8M0118808

Joystick assembly used in Joystick Piloting for Inboards - dual engine applications, included in the rigging kits.

Service component for Joystick Piloting for Inboards - dual engine applications.

### **HELM PANEL BOARD -AUXILIARY JOYSTICK**



### 8M0071505

This panel board includes parts needed to add Auxiliary Joystick for SC 2.5. Twin (SC 2.5 - QSB).

### **ELECTRONIC STEERING HELM ACTUATOR**



### 8M8025733

Electronic Steering Helm Actuator used in Joystick Piloting applications, included in the rigging kits

Service component for Joystick Piloting applications prior to mid-2016 and earlier

### **INERTIAL MEASUREMENT UNIT**



### 8M6002180

The Inertial Measurement Unit (IMU) contains software version 3.1.

The IMU is used with all Joystick Piloting applications - Outboard, Sterdrive and Zeus.

### **SMARTCRAFT GPS ANTENNA 400**



### 8M0091565

SmartCraft GPS Antenna (4.0.12SC) Used with SmartTow Pro SC1000 gauges, MercMonitors, and VesselViews 4 and 7.

Sends CAN H and CAN P GPS data for use with GPS SmartTow and Joystick Piloting boats with Auto Pilot. Software 4.0.12SC

### **COMBO GPS/IMU**



### 8M0105389

Combo GPS/IMU used in Joystick Piloting applications, included in the rigging kits Service component for Joystick Piloting applications circa mid-2016 and later

### **CAN H GATEWAY**



### 8M0095543

Utilized in Joystick applications (typically included in the full rigging kit), provides an interface between CAN H GPS & IMU and the NMEA2000 device (approved chart plotter). Allows for adavanced features such at Waypoint Sequencing, AutoHeading and SkyHook

Can be used on any Joystick application as an interface between CAN H and NMEA0183 OR NMEA2000. Not required for systems with the VesselView 4 or 7 display RTM5 software release that are using a NMEA2000 approved chartplotter

### JOYSTICK: MAIN POWER RELAY HARNESS - 20 FT.



### 84-897345T08

Powers CCMs and TVMs for Joystick installations. Used in addition to 5 amp clean power harness. (20 ft. long)

### JOYSTICK: MAIN POWER RELAY HARNESS - 40 FT.



### 84-879172T85

Powers CCMs and TVMs for Joystick installations. Used in addition to 5 amp clean power harness. (40  $\rm ft.\ long)$ 

### JOYSTICK: MAIN POWER RELAY HARNESS - 60 FT.

### 84-879172T86

Powers CCMs and TVMs for Joystick installations. Used in addition to 5 amp clean power harness. 60 ft. long

### MAIN POWER RELAY HARNESS (DUAL HELM)



### 84-8M0047753

Power for upper helm CCM for Joystick installations. Tees off of lower helm main power relay harness. (20 ft. long)

### 84-8M0047754

Power for upper helm CCM for Joystick installations. Tees off of lower helm main power relay harness. (40 ft. long)

### 84-8M0047755

Power for upper helm CCM for Joystick installations. Tees off of lower helm main power relay harness. (60 ft. long)

### 10 PIN TO 5 PIN CAN H ADAPTER



### 84-8M0115495

Adapter harness that goes from 10 pin SmartCraft connector to 5 pin CAN H connector

Used for certain Joystick applications

### **JOYSTICK LINK CABLE - 26 INCH CENTERS**



### 8M0077126

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 27 inch cable, which is to be used with engines mounted at a 26 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 26 inch centers.

### JOYSTICK LINK CABLE - 27 INCH CENTERS 8M0077129

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 28 inch cable, which is to be used with engines mounted at a 27 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 27 inch centers.

### JOYSTICK LINK CABLE - 28 INCH CENTERS 8M0077130

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 29 inch cable, which is to be used with engines mounted at a 28 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 28 inch centers.

### JOYSTICK LINK CABLE - 29 INCH CENTERS 8M0077133

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 30 inch cable, which is to be used with engines mounted at a 29 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 29 inch centers.

### JOYSTICK LINK CABLE - 30 INCH CENTERS 8M0077134

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 31 inch cable, which is to be used with engines mounted at a 30 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 30 inch centers.

# JOYSTICK LINK CABLE - 31 INCH CENTERS

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 32 inch cable, which is to be used with engines mounted at a 31 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 31 inch centers.

### JOYSTICK LINK CABLE - 32 INCH CENTERS 8M0077136

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 33 inch cable, which is to be used with engines mounted at a 32 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 32 inch centers.

### JOYSTICK LINK CABLE - 33 INCH CENTERS 8M0077137

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 34 inch cable, which is to be used with engines mounted at a 33 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 33 inch centers.

### JOYSTICK LINK CABLE - 34 INCH CENTERS 8M0077138

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 35 inch cable, which is to be used with engines mounted at a 34 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 34 inch centers.

# JOYSTICK LINK CABLE - 35 INCH CENTERS

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 36 inch cable, which is to be used with engines mounted at a 35 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 35 inch centers.

### JOYSTICK LINK CABLE - 36 INCH CENTERS 8M0077140

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 37 inch cable, which is to be used with engines mounted at a 36 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 36 inch centers.

### JOYSTICK LINK CABLE - 38 INCH CENTERS 8M0079408

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 39 inch cable, which is to be used with engines mounted at a 38 inch center distance.

Mercury Joystick Piloting for Outboards, with engines mounted on 38 inch centers.

# JOYSTICK LINK CABLE - 25 INCH CENTERS, QUAD



### 8M0109000

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 23 inch adjustable cable, which is to be used with engines mounted at a 25 inch center distance. (quads only)

Mercury Joystick Piloting for Outboards, with quad engines mounted on 25 inch centers.

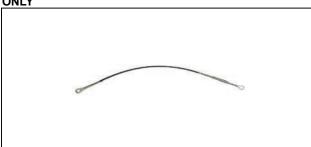
# JOYSTICK LINK CABLE - 26 INCH CENTERS, QUAD ONLY

### 8M0108999

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 24 inch adjustable cable, which is to be used with engines mounted at a 26 inch center distance. (quads only)

Mercury Joystick Piloting for Outboards, with quad engines mounted on 26 inch centers.

# JOYSTICK LINK CABLE - 27 INCH CENTERS, QUAD ONLY



### 8M0079292

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 25 inch adjustable cable, which is to be used with engines mounted at a 27 inch center distance. (quads only)

Mercury Joystick Piloting for Outboards, with quad engines mounted on 27 inch centers.

# JOYSTICK LINK CABLE - 28 INCH CENTERS, QUAD ONLY

### 8M0079945

Link cable to be used on outboard joystick applications to ensure prevention of engines contacting each other. This item includes a 26 inch adjustable cable, which is to be used with engines mounted at a 28 inch center distance. (quads only)

Mercury Joystick Piloting for Outboards, with quad engines mounted on 28 inch centers.

### JPI SIDE POWER THRUSTER ADAPTOR HARNESS



### 84-8M0125880

Allows Side Power brand thrusters to be used with Mercury's Joystick Piloting for Inboards. JPI kits are compatible with Vetus brand thrusters without this adaptor. One of these adaptor harnesses is required for each Side Power thruster on the boat.

Provides boats being equipped with Joystick Piloting for Inboards with the option to utilize Side Power brand thrusters.

### **HOSE ASSEMBLIES**

# POWER STEERING HOSE - BULKHEAD TO CYLINDER



### 32-8M0077079

.5 inch hose, bulkhead to cylinder tank for joystick applications.

### 32-8M0077080

.5 inch hose, bulkhead to cylinder tank for joystick applications.

### 32-8M0077081

.5 inch hose, bulkhead to cylinder tank for joystick applications.

# POWER STEERING HOSE - BULKHEAD TO CYLINDER PRESSURE



### 32-8M0077082

.375 inch hose, bulkhead to cylinder pressure for joystick applications.

### 32-8M007708

.375 inch hose, bulkhead to cylinder pressure for joystick applications.

### 32-8M0077084

.375 inch hose, bulkhead to cylinder pressure for joystick applications.

# POWER STEERING HOSE KITS-JOYSTICK PILOTING

### **JOYSTICK PILOTING STEERING HOSES**



### 32-8M0078210

Kit includes two hoses of the same length (10 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### JOYSTICK PILOTING HOSES

### 32-8M0078211

Kit includes two hoses of the same length (12 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0078212

Kit includes two hoses of the same length (14 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0078213

Kit includes two hoses of the same length (16 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0078214

Kit includes two hoses of the same length (18 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0078215

Kit includes two hoses of the same length (20 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0078216

Kit includes two hoses of the same length (22 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0078217

Kit includes two hoses of the same length (24 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0032520

Kit includes two hoses of same length (26 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0032530

Kit includes two hoses of the same length (28 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0032547

Kit includes two hoses of the same length (30 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### 32-8M0032630

Kit includes two hoses of the same length (32 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### **FITTINGS**

### **BULKHEAD FITTING - RETURN LINE - SHORT**



### 22-8M6001488

Required for all JPO systems. Return line, .75 inch thickness.

### **BULKHEAD FITTING - RETURN LINE - LONG**



### 22-8M6002264

Required for all JPO systems. Return line, 3 inch thickness.

### **BULKHEAD FITTING - PRESSURE LINE - SHORT**



### 22-8M6001495

Required for all JPO systems. Pressure line, .75 inch thickness.

### **BULKHEAD FITTING - PRESSURE LINE - LONG**



### 22-8M6001497

Required for all JPO systems. Pressure line, 3 inch thickness.

### **BULKHEAD FITTING - 90 DEGREE RETURN LINE**



### 22-8M0031467

Used on top of bulkhead fittings. .5 inch female to .5 inch male.

### **BULKHEAD FITTING - 90 DEGREE PRESSURE LINE**



### 22-8M0031539

Used on top of bulkhead fittings. .375 inch female to .375 inch male.

# STEERING CYLINDER FITTING - STRAIGHT RETURN LINE



### 22-8M2007090

This straight fitting can be used to replace the standard 90 degree cylinder fitting for some installs where needed. .375 inch male to .5 inch male.

# STEERING CYLINDER FITTING - STRAIGHT PRESSURE LINE



### 22-8M0033226

This straight fitting can be used to replace the standard 90 degree cylinder fitting for some installs where needed. .375 inch male to .375 inch male.

### STEERING CYLINDER FITTING - .8125 INCH



22-8M0131184

This fitting can be used for some JPO installs where needed to further stabilize engines.  $^\circ$ .8125 inch (13/16).

### **DTS RIGGING**

# SMARTCRAFT AND DTS APPLICATION INFORMATION

Mercury Marine strongly recommends that boat builders and dealers use only Mercury Marine brand SmartCraft and DTS accessories. The throttle and shift functions on a boat are safety critical components. Mercury Marine validated the design and manufacture of the various SmartCraft and DTS accessories sold by Mercury Marine through an extensive product qualification testing protocol. Each of the Mercury Marine accessories for these systems has pass through that qualification process. It is not possible for Mercury Marine to test its systems with all of the accessories manufactured and sold by other entities. As a result, if a boat builder or dealer chooses to disregard the recommendation that only Mercury Marine accessories be used, the boat builder or dealer should adhere to specifications provided by Mercury Marine for all non-Mercury Marine components which interface with the Mercury Marine SmartCraft and/or DTS System. Documentation exhibiting compliance with these specifications should be submitted and approved by Mercury Marine prior to the finished product being released for sale. The Mercury Marine Limited Warranty does not provide coverage for damage caused by the use of accessories or parts not manufactured or sold by Mercury Marine.

### **DTS RIGGING KITS**

The DTS complete master rigging kits listed in this section are for the 2007 DTS engines and newer. The DTS kits for older engines can be found in the "DTS Command Module Kits" section of this book. Please note, when buying the "DTS Command Module Kits" the control will need to be purchased separately. The controls can be found in the "Digital Throttle and Shift Controls" section of this book.

### **RIGGING KIT- DTS / PANEL-CHROME ERC**



### 892984K3°

This kit includes Chrome Panel ERC, Command module kit, Four way junction box, Boat harness to connect fuel tanks and paddle wheel and the Accessory Power Relay harness.

This kit is for 2007 DTS Engines and newer. For MCM engines a serial number break is needed to define use.

### RIGGING KIT- DTS / PANEL (BLACK ERC)



### 892984K32

This kit includes Black Panel ERC, Command module kit, Four way junction box, Boat harness to connect fuel tanks and paddle wheel and the Accessory Power Relay harness.

This kit is for 2007 DTS Engines and newer. For MCM engines a serial number break is needed to define use.

### **RIGGING KIT - DTS - SLIM CONSOLE**



### 6946-8M0079498

This kit includes Slim Console ERC, Command module kit, Four way junction box, Boat harness to connect fuel tanks and paddle wheel and Accessory Power Relay harness. The CAN pad features engine Start/Stop button, Dock mode button, Helm transfer button, Throttle only button, and a Mercury global dimming button. The trim function is located on the port handle.

This kit is for 2007 DTS Engines and newer. For MCM engines a serial number break is needed to define use.

### **RIGGING KIT - DTS - CONSOLE DUAL**



### 8M0079499

This kit includes Dual Console ERC, Command module kit, 2 Four way junction boxes, 2 Boat harness to connect fuel tanks and paddle wheel and 2 Accessory Power Relay Harnesses. The CAN pad features individual engine trim buttons, Dock mode button, Helm transfer button, Throttle only button, Sync button and Mercury global dimming button. The control also features a Trim-all engine function which is located on the port handle.

This kit is for 2007 DTS Engines and newer. For MCM engines a serial number break is needed to define use.

### **RIGGING KIT - DTS-SHADOW MODE - TRIPLE**



### 8M0079500

This kit includes Dual Console Triple Shadow Mode ERC, Command module kit, 4 Four way junction boxes, 1 Adapter harness, 2 Boat harness to connect fuel tanks and paddle wheel, 1 CAN P, 1 CAN H, 3 link harnesses, 1 Triple start/stop kit, 1 Triple lanyard kit and 1 Accessory Power Relay Harness. The CAN pad features include individual engine trim buttons, Dock mode button, Helm transfer button, Throttle only button, Sync button and Mercury global dimming button. The control also features a Trim-all engine function which is located on the port handle. This kit is for 2007 DTS Engines and newer. For MCM engines a serial number break is needed to define use.

### **RIGGING KIT - DTS-SHADOW MODE - QUAD**



### 8M0079501

This kit includes Dual Console Quad Shadow Mode ERC, Command module kits with matched Keyswitch kit, 5 Four way junction boxes, 2 Boat harness to connect fuel tanks and paddle wheel, 1 Adapter, 1 Lanyard quad kit, 1 CAN H link harness, 1 Starboard and 1 Port start/stop kit, and 1 Accessory Power Relay Harness. The CAN pad features individual engine trim buttons, Dock mode button, Helm transfer button, Throttle only button, Sync button and a Mercury global dimming button. The control also features a Trim-all engine function which is located on the port handle.

This kit is for 2007 DTS Engines and newer. For MCM engines a serial number break is needed to define use.

### DTS COMMAND MODULE AND HARNESS KITS

The "DTS Command Module Kits" include: Command module(s), command module harness(es), and Key switch(es). These kits are listed in this section from most current model year and back to 2004 (where still supported). \*\*Controls are sold separately\*\* Controls can be found in the "Digital Throttle and Shift Controls" section of this book.

# PANEL MOUNT / SLIM BINNACLE - DTS COMMAND MODULE KIT



### 84-893377K04

SmartCraft DTS Command Module required for Gen I (2007) and newer DTS systems. Includes DTS Command Module (891661T10), panel mount harness (893377T03), key switch and mounting hardware. Used with 892984A01 and 892984A02 Panel Mount Controls, and 8M0079290 and 8M0079291 Slim Binnacle Controls.

Gen I (2007) DTS Engines and newer. MCM requires serial number break to define use.

# PANEL MOUNT CONTROL- DTS COMMAND MODULE KIT



### 84-893377K03

SmartCraft DTS Command Module (891661T05) required for 2006 DTS systems. Includes DTS Command Module, panel mount harness, key switch and mounting hardware. Used with 892984A01 and 892984A02 Panel Mount Controls. 2006 DTS engines only

# PANEL MOUNT CONTROL- DTS COMMAND MODULE KIT



### 84-893377K01

SmartCraft DTS Command Module required for 2005 DTS systems. Includes DTS Command Module (891661T03), panel mount harness, key switch and mounting hardware. Used with 892984A01 and 892984A02 Panel Mount Controls. ( uses 891661T03)

2005 DTS engines

### PANEL ERC FOOT THROTTLE- DTS COMMAND MÖDULE KIT



### 84-893377K02

SmartCraft DTS Command Module required for 2005 DTS systems. Includes DTS Command Module (891661T04) for Foot Throttle, Panel Mount Harness, Key Switch and mounting hardware. Used with 892984A01 and 892984A02 Panel Mount Controls with special Foot Throttle Software. 2005 DTS engines only

### PANEL MOUNT DTS COMMAND MODULE KIT



### 84-891926K01

SmartCraft DTS Command Module required for 2004 DTS systems. Includes DTS Command Module (891661T01), key switch and mounting hardware. Used with 883465a 1 and 883465a2 Panel Mount Controls.

2004 OptiMax 225 DTS outboards and 8.1L/496 Mag MerCruiser DTS sterndrive

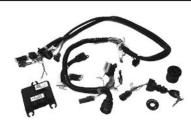
### **SLIM BINNACLE - COMMAND MODULE KIT**



### 84-896372K02

Smartcraft Command Module used on Gen I (2007) DTS engines- Includes command module (891661T10) and command module harness (896372a01), keyswitch (893353A03) and mounting hardware. Used with ERC Slim Binnacle. Gen I (2007) DTS Engines and newer. MCM requires serial number break to define use

### **SLIM BINNACLE - COMMAND MODULE KIT**



### 84-896372K01

Smartcraft Command Module used on 2006 DTS engines- Includes command module (891661T05) and harness, keyswitch and mounting hardware. Used with ERC Slim Binnacle.

2006 DTS engines only

# SINGLE CONSOLE/ZERO EFFORT COMMAND MODULE



### 84-892955K04

Smartcraft Command Module used on 2007 (Gen I) DTS engines- Includes command module (891661T06) and command module harness (892955A02), keyswitch(893353A03) and mounting hardware. Used with 877775A08, A10, A12, ERC's and Zero Effort 840712A\_\_ series controls

Gen I (2007) DTS Engines and newer

# SINGLE CONSOLE/ZERO EFFORT COMMAND MODULE



### 84-892955K03

Smartcraft Command Module used on 2006 DTS engines- Includes command module and harness, keyswitch and mounting hardware. Used with 877775A08, A10, A12, ERC's and Zero Effort 840712A\_ series controls Does not backfit. (uses 891661005)

2006 DTS engines only

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# SINGLE CONSOLE/ZERO EFFORT COMMAND MODULE



### 84-892955K01

Smartcraft Command Module used on 2005 DTS engines- Includes command module and harness, keyswitch and mounting hardware. Used with 877775A08, A10, A12, ERC's and Zero Effort 840712A\_\_ series controls Does not backfit. (uses 891661003)

2005 DTS outboards and 8.1L/496 Mag DTS MCM/ MIE Serial number OW040000 thru 0W649999

# SINGLE CONSOLE/ZERO EFFORT DTS COMMAND MODULE KIT

### 84-891924K01

SmartCraft DTS Command Module required for 2004 DTS systems. Includes DTS Command Module, key switch and mounting hardware. Used with 877775a2, 877775a4, 877774a6 Single Handle Console Mount Controls or Single engine Zero Effort controls - 840712a1 thru a8

2004 OptiMax 225 DTS outboards and 8.1L/496 Mag MerCruiser DTS sterndrive and inboard engines.

# DUAL CONSOLE/ZERO EFFORT DTS COMMAND MODULE KIT



### 84-893378K04

SmartCraft DTS Command Module required for 2007 (Gen I) DTS systems. Includes DTS Command Module(2 each- 891661T06),matched key switch (1 each-893353A04)),command module harness (893378A02) and mounting hardware. Used with 877775a07, 877775a11, 877775a09 Dual Engine Console Mount Controls or Dual Engine Zero Effort Controls 840714A\_\_ series Gen I (2007) DTS Engines and newer

# DUAL CONSOLE/ZERO EFFORT DTS COMMAND MODULE KIT



### 84-893378K03

SmartCraft DTS Command Module required for 2006 DTS systems. Includes DTS Command Module(2), key switch(2), harness and mounting hardware. Used with 877775a07, 877775a11, 877775a09 Dual Engine Console Mount Controls or Dual Engine Zero Effort Controls 840714A\_\_ series 2006 DTS engines only

# DUAL CONSOLE/ZERO EFFORT DTS COMMAND MODULE KIT



### 84-893378K01

SmartCraft DTS Command Module required for 2005 DTS systems. Includes DTS Command Module(2), key switch(2), harness and mounting hardware. Used with 877775a07, 877775a11, 877774a09 Dual Engine Console Mount Controls or Dual Engine Zero Effort Controls 840714A\_\_ series

2005 DTS outboards and 8.1L/496 Mag DTS MCM/ MIE Serial Number OW 040000 thru 0W649999

### **COMMAND MODULE TRIPLE**



### 892955K32

This DTS Rigging Kit includes 1 Command Module Kits with matched keys (892955K06 with 3 each 891661T10 and 893353A05 matched keyswitch), 1 Triple Engine Lanyard harness Kit (895725A04), 1 Triple Engine Start/Stop Kit (887767K03), 4 four way junction boxes (878492K14), 2 Boat Harnesses (859743T03), 1 Link Cable (84-893452A01), Triple Engine DTS Link Harness (84-896206715), 4 position dash mounted trim switch, (897635K01), adapter harness (84-896394T01) and 1 Accessory/Relay Harnesses (889611K01). Zero Effort Control and data Harness (892451T/B\_\_ - one per engines to correct length) must be ordered separately.

Gen I (2007) DTS Engines and newer. MCM requires serial number break to define use. For products using Zero Effort Controls

### **COMMAND MODULE TRIPLE**



### 892955K22

This DTS Rigging Kit includes 3 Command Module Kits with keys (892955K03), 1 Triple Engine Lanyard harness Kit (895725A01), 1 Triple Engine Start/Stop Kit (887767K03), 3 four way junction boxes (878492K14), 3 Boat Harnesses (859743T03), Triple Engine DTS Link Harness (84-896206T15), 4 position dash mounted trim switch, (897635K01), adapter harness (84-896394T01) and 1 Accessory/Relay Harnesses (889611K01). Zero Effort Control and data Harness (892451T/B\_\_ - one per engines to correct length) must be ordered separately. 2006 DTS engines

# DUAL CONSOLE/ZERO EFFORT DTS COMMAND MODULE KIT



### 84-891925K01

SmartCraft DTS Command Module required for 2004 DTS systems. Includes DTS Command Module(2), key switch(2), harness and mounting hardware. Used with 877775a1, 877775a3, 877774a5 Dual Engine Console Mount Controls or Dual Engine Zero Effort Controls 840714A\_\_ series

 $20\bar{0}4$  OptiMax 225 DTS outboards and 8.1L/496 Mag MerCruiser DTS sterndrive and inboard  $\,$  engines.

### DTS RIGGING KIT-TRIPLE W/O ZE CONTROL



### 892955K02

This DTS Rigging Kit includes 3 Command Module Kits with keys (892955K01), 1 Triple Engine Lanyard harness Kit (895725A01), 1 Triple Engine Start/Stop Kit (887767K03), 3 fourway junction boxes (878492K 4), 3 Boat Harnesses (859743T 2), Triple Engine DTS Link Harness (84-896206T01), CAN 1 Link Harness Assy (84-893452A01), and 3 Accessory/Relay Harnesses (889611K01). Zero Effort Control and data Harness (892451T/B\_\_ - one per engines to correct length) must be ordered separately.

2005 DTS engines

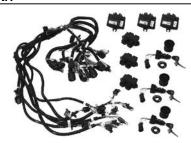
### **COMMAND MODULE KIT- DTS (TRIPLE) SHADOW**



### 84-896377K02

SmartCraft DTS Command Module required for Gen I (2007) and newer DTS systems. Includes DTS Command Module(3) (891661T06),matches key switch klt(1) (893363A05),command module harness(896377t02), DTS link adapter(893452A01) and mounting hardware. Used with ERC 877775A21 Gen I (2007) DTS Engines and newer. MCM requires serial number break to define use.

# TRIPLE ENGINE SHADOW MODE DTS COMMAND MODULE KIT



### 84-896377K01

SmartCraft DTS Command Module required for 2006 DTS systems. Includes DTS Command Module(3), key switch(3). Used with ERC 877775A15 2006 DTS engines

### **COMMAND MODULE KIT- DTS (QUAD)**



### 84-896377K03

\*\*\* ALSO NEED 892955K05 FOR COMPLETE QUAD INSTALL \*\*\* SmartCraft DTS Command Module required for 2007 (Gen I) DTS systems. Includes DTS Command Module(3-891661T10), matches key switch kit(1-893353A06) command Module harness (896377702), DTS link adapter (893452A01) and mounting hardware. Used with ERC 877775A21.

Gen I (2007) DTS Engines and newer

### DTS HELM BOARD KITS (HELM BOARDS ONLY)

### **DUAL ENGINE HELM BOARD DTS KIT**



### 899859K01

Kit includes J-Box, Command Module Harness, Command Module, Accessory Power Relay and Terminal Strip all components come pre-mounted on plastic board includes mounting hardware for vessel install.

For Dual ERC. DTS GEN I and newer.

### **HELM BOARD DTS KIT - SLIM**



### 899859K02

Kit includes J-Box, Command Module Harness, Command Module, Accessory Power Relay and Terminal Strip all components come pre-mounted on plastic board includes mounting hardware for vessel install

For Slim Binnacle ERC. DTS GEN I and newer.

### HELM BOARD DTS KIT - PANEL / SLIM BINNACLE



### 899859K03

Kit includes J-Box, Command Module Harness, Command Module, Accessory Power Relay and Terminal Strip all components come pre-mounted on plastic board includes mounting hardware for vessel install

For Single Panel Mount and GEN 2 Slim Binnacle ERC. DTS GEN I and newer.

### DTS COMPONENTS

### **COMMAND MODULE KIT**



### 77-8M0109482

Command Module Kit software version 80. The module can be reprogramed using the CDS -  ${\sf G3}$  service tool

Match the software version needed with engine feature requirements

### HARDWARE BAG ASSEMBLY



56-820386A85

### **DIESEL RIGGING**

### 2.0L ENGINE RIGGING KITS

### 2.0L RIGGING KIT - MECHANCIAL ALPHA



### 8M0106703

Rigging kit includes VIP panel, 20 foot power harness, 10 foot vessel extension harness, fuel level harness, e-stop harness, diagnostic port and harness, fuel filter, sterndrive harness, transom hardware, helm harness and 4 way junction box 2.0L Diesel Mechanical Sterndrive (Alpha)

### 2.0L RIGGING KIT - MECHANICAL BRAVO



### 8M0106704

Rigging kit includes VIP panel, 20 foot power harness, 10 foot vessel extension harness, fuel level harness, e-stop harness, diagnostic port and harness, fuel filter, sterndrive harness, transom hardware, helm harness and 4 way junction box.

2.0L Diesel Mechanical Sterndrive (Bravo)

### 2.0L RIGGING KIT - DTS BRAVO



### 8M0106702

Rigging kit includes VIP panel, 20 foot power harness, 10 foot vessel extension harness, fuel level harness, e-stop harness, diagnostic port and harness, fuel filter, sterndrive harness, transom hardware and shift plate

2.0L Diesel DTS Sterndrive (Bravo)

### 2.0L RIGGING KIT - DTS INBOARD



### 8M0106705

Rigging kit includes VIP panel, 20 foot power harness, 10 foot vessel extension harness, fuel level harness, e-stop harness, diagnostic port and harness, inboard harness, fuel filter, sea water filter, thru hull fitting and hose 2 0L Diesel DTS Inboard

### 2.0L RIGGING KIT - MECHANICAL INBOARD



### 8M0106706

Rigging kit includes VIP panel, 20 foot power harness, 10 foot vessel extension harness, fuel level harness, e-stop harness, diagnostic port and harness, inboard harness, fuel filter, sea water filter, thru hull fitting and hose, helm harness and 4 way junction box.

2.0L Diesel Mechanical Inboard

### PANELS DTS

# TDI 3.0L 260 HP ENGINE ASSEMBLY KIT - DTS STERNDRIVE

### 98-8M0078877

Engine Assembly Kit includes Drive Lube Monitor, MerCathode, Shift Actuator, Fuel Module, Exhaust Bullhorn, Literature Kit, Vessel Adapter Assembly and Vessel Sensor Harness.

Must be used with the correct engine during installation

Mercury Diesel TDI 3.0L 260 HP DTS Sterndrive

# TDI 4.2L 335 HP ENGINE ASSEMBLY KIT - DTS STERNDRIVE

### 98-8M0078875

Engine Assembly Kit includes Drive Lube Monitor, MerCathode, Shift Actuator, Fuel Module, Exhaust Bullhorn, Literature Kit, Vessel Adapter Assembly and Vessel Sensor Harness.

Must be used with the correct engine during installation

Mercury Diesel TDI 4.2L 335 HP DTS Sterndrive

# TDI 4.2L 370 HP ENGINE ASSEMBLY KIT - DTS STERNDRIVE

### 98-8M0078873

Engine Assembly Kit includes Drive Lube Monitor, MerCathode, Shift Actuator, Fuel Module, Exhaust Bullhorn, Literature Kit, Vessel Adapter Assembly and Vessel Sensor Harness.

Must be used with the correct engine during installation

Mercury Diesel TDI 4.2L 370 HP DTS Sterndrive

# DIESEL RIGGING

# TDI 3.0L 260 HP ENGINE ASSEMBLY KIT - DTS INBOARD

### 98-8M0078885

Engine Assembly Kit includes Fuel Module, Literature Kit, Vessel Adapter Assembly, Vessel Sensor Harness, Drive Application Harness and Gear Actuation Harness. Must be used with the correct engine during installation Mercury Diesel TDI 3.0L 260 HP DTS Inboard

# TDI 4.2L 335 HP ENGINE ASSEMBLY KIT - DTS INBOARD

### 98-8M0078884

Engine Assembly Kit includes Fuel Module, Literature Kit, Vessel Adapter Assembly, Vessel Sensor Harness, Drive Application Harness and Gear Actuation Harness. Must be used with the correct engine during installation Mercury Diesel TDI 4.2L 335 HP DTS Inboard

# TDI 4.2L 370 HP ENGINE ASSEMBLY KIT - DTS INBOARD

### 98-8M0078883

Engine Assembly Kit includes Fuel Module, Literature Kit, Vessel Adapter Assembly, Vessel Sensor Harness, Drive Application Harness and Gear Actuation Harness. Must be used with the correct engine during installation Mercury Diesel TDI 4.2L 370 HP DTS Inboard

### **PANELS NON DTS**

# TDI 3.0L 260 HP ENGINE ASSEMBLY KIT - MECH STERNDRIVE

### 98-8M0078878

Engine Assembly Kit includes - Drive Lube Monitor, MerCathode, Shift Actuator, Exhaust Bullhorn, Literature Kit, Vessel Adapter Assembly and Vessel Sensor Harness.

Must be used with the correct engine during installation Mercury Diesel TDI 3.0L 260 HP Mechanical Sterndrive

# TDI 4.2L 335 HP ENGINE ASSEMBLY KIT - MECH STERNDRIVE

### 98-8M0078876

Engine Assembly Kit includes - Drive Lube Monitor, MerCathode, Shift Actuator, Exhaust Bullhorn, Literature Kit, Vessel Adapter Assembly and Vessel Sensor

Must be used with the correct engine during installation Mercury Diesel TDI 4.2L 335 HP Mechanical Sterndrive

# TDI 4.2L 370 HP ENGINE ASSEMBLY KIT - MECH STERNDRIVE

### 98-8M0078874

Engine Assembly Kit includes - Drive Lube Monitor, MerCathode, Shift Actuator, Exhaust Bullhorn, Literature Kit, Vessel Adapter Assembly and Vessel Sensor Harness

Must be used with the correct engine during installation Mercury Diesel TDI 4.2L 370 HP Mechanical Sterndrive

# TDI 3.0L 260 HP ENGINE ASSEMBLY KIT - MECH INBOARD

### 98-8M0078886

Engine Assembly Kit includes- Literature Kit, Vessel Adapter Assembly, Vessel Sensor Harness, Drive Application Harness and Gear Actuation Harness. Must be used with the correct engine during installation

Mercury Diesel TDI 3.0L 260 HP Mechanical Inboard

### **MERCURY DIESEL MECHANICAL HELM HARNESS**



### 84-8M0084296

Non DTS Helm Harness

Mercury Diesel: Mechanical versions of TDI 3.0L and 4.2L, Tier 2 and Tier 3 (use one per engine at the helm), does not support SmartCraft depth or steering sensors

### **DIESEL TDI RIGGING**

### MERCURY DIESEL TDI STERNDRIVE HARNESS KIT

### 8M0099152

Kit to simplify ordering engine rigging components specific to a TDI Sterndrive application - contains a 3 meter engine to VAA harness, 20 foot engine unswitched power harness, 10 foot vessel sensor extension harness, fuel level harness, 10 foot trim pump/sender extension harness, a diagnostic port and a 3 foot diagnostic yellow CAN cable. Does not include helm rigging (control, harnessing, gauges, etc).

Can be used on all Mercury Diesel TDI sterndrive packages.

### MERCURY DIESEL TDI AXIUS HARNESS KIT



### 8M0099153

Kit to simplify ordering engine rigging components specific to a TDI Axius application - contains a 3 meter engine to VAA harness, 20 foot engine unswitched power harness, 10 foot vessel sensor extension harness, fuel level harness, 10 foot trim pump/sender extension harness, a 3 foot diagnostic yellow CAN cable, TVM to VAA cable, 40 foot helm clean power harness, key switch kit and two Axius adapter harnesses. Does not include helm rigging (control, harnessing, gauges, etc)

Use only on Mercury Diesel TDI Axius applications

### MERCURY DIESEL TDI INBOARD HARNESS KIT



### 8M0099154

Kit to simplify ordering engine rigging components specific to a TDI Inboard application - contains a 3 meter engine to VAA harness, 20 foot engine unswitched power harness, 10 foot vessel sensor extension harness, fuel level harness, 10 foot drive application extension harness, a diagnostic port and a 3 foot diagnostic yellow CAN cable. Does not include helm rigging (control, harnessing, gauges, etc).

Can be used on all Mercury Diesel TDI inboard packages.

### SIMS MODULE



### 77-8M0086461

Sim module(Service) with unique software for the engine 100 DTS Sterndrive TDI - V6

### 77-8M0086455

Sim module(Service) with unique software for the engine 260 DTS Sterndrive TDI - V6

### 77-8M0086462

Sim module(Service) with unique software for the engine 100 Mech Sterndrive TDI - V6

### 77-8M0086456

Sim module(Service) with unique software for the engine 230 DTS Sterndrive TDI - V6

### 77-8M0086459

Sim module(Service) with unique software for the engine 230 Mech Sterndrive TDI - V6

### 77-8M0086454

Sim module(Service) with unique software for the engine 260 DTS Sterndrive TDI - V6

### 77-8M0086465

Sim module(Service) with unique software for the engine 230 DTS Inboard TDI - V6 (4000 RPM)

### 77-8M0086467

Sim module(Service) with unique software for the engine 230 Mech Inboard TDI - V6 (4000 RPM)

### 77-8M0086469

Sim module(Service) with unique software for the engine 230 Mech Inboard TDI - V6 (3500 RPM)

### 77-8M0086463

Sim module(Service) with unique software for the engine 260 DTS Inboard TDI - V6

### 77-8M0086464

Sim module(Service) with unique software for the engine 260 Mech Inboard TDI - V6

### 77-8M0041733

Sim module(Service) with unique software for the engine

335 DTS Sterndrive TDI - V8

### 77-8M0041757

Sim module(Service) with unique software for the engine

335 Mech Sterndrive TDI - V8

### 77-8M0041718

Sim module(Service) with unique software for the engine

370 DTS Sterndrive TDI - V8

### 77-8M0041734

Sim module(Service) with unique software for the engine

370 Mech Sterndrive TDI - V8

### 77-8M0041674

Sim module(Service) with unique software for the engine 335 DTS Inboard TDI - V8

77-**8M0041671** 

Sim module(Service) with unique software for the engine

370 DTS Inboard TDI - V8

# MERCURY DIESEL TDI ENGINE HARNESS - ENGINE TO VAA



### 84-8M0066846

2 meter engine to VAA harness

Mercury Diesel TDI 3.0L and 4.2L Engines

### 8M0066847

3 meter engine to VAA harness

Mercury Diesel TDI 3.0L and 4.2L Engines

### 8M0066848

4 meter engine to VAA harness

Mercury Diesel TDI 3.0L and 4.2L Engines

# MERCURY DIESEL TDI MECHANICAL JOHNNY THROTTLE EXTENSION HARNESS



### 84-8M0079850

Extension harness - Throttle Mechanical - 10 ft

Mercury Diesel TDI 3.0L and 4.2L Diesels, inlcuded in the mechanical engine assembly kit

### 84-8M0079851

Extension harness - Throttle Mechanical - 20 ft

Mercury Diesel TDI 3.0L and 4.2L Diesels, inlcuded in the mechanical engine assembly  ${\it kit}$ 

# MERCURY DIESEL TDI LIFT PUMP HARNESS EXTENSION



### 84-8M0079847

Extension Harness, 20 ft.

Used in conjunction with off engine Racor lift pump, included in mechanical engine assembly kits

### MERCURY DIESEL TDI VESSEL SENSOR HARNESS



### 84-8M0118364

Harness - Vessel Sensor

Mercury Diesel TDI 3.0L and 4.2L Diesels, included in the engine assembly kit, does not support SmartCraft depth or steering sensors

### MERCURY DIESEL MECHANICAL HELM HARNESS



### 84-8M0084296

Non DTS Helm Harness

Mercury Diesel: Mechanical versions of TDI 3.0L and 4.2L, Tier 2 and Tier 3 (use one per engine at the helm), does not support SmartCraft depth or steering sensors

# MERCURY DIESEL TDI DRIVE APPLICATION EXTENSION HARNESS



### 84-8M0080191

5 foot TDI Drive Application Extension Harness Mercury Diesel TDI 3.0L and 4.2L Engines

# MERCURY DIESEL TDI DRIVE APPLICATION EXTENSION HARNESS

### 84-8M0080192

10 foot TDI Drive Application Extension Harness Mercury Diesel TDI 3.0L and 4.2L Engines

# MERCURY DIESEL TDI DRIVE APPLICATION EXTENSION HARNESS



### 84-8M0080193

15 foot TDI Drive Application Extension Harness Mercury Diesel TDI 3.0L and 4.2L Engines

### 84-8M0080194

20 foot TDI Drive Application Extension Harness Mercury Diesel TDI 3.0L and 4.2L Engines

### **POWER HARNESS**



### 84-899887T13

Engine unswitched power harness (10 ft)
All diesels - both Non DTS and DTS

### 84-899887T14

Engine unswitched power harness (20 ft)
All diesels - both Non DTS and DTS

### VESSEL SENSOR EXTENSION HARNESS



### 84-899888T21

Vessel sensor extension harness (Optional) 5 feet All Diesel products Non DTS and DTS including Axius

### 84-**899888T22**

Vessel sensor extension harness (Optional) 10 feet All Diesel products Non DTS and DTS including Axius

### 84-899888T23

Vessel sensor extension harness (Optional) 15 feet All Diesel products Non DTS and DTS including Axius

### 84-899887T17

Vessel sensor extension harness (Optional) 20 feet All Diesel products Non DTS and DTS including Axius

### **MERCURY DIESEL TDI AXIUS HARNESS ADAPTER**



### 84-8M0079849

Harness adapter Axius

Mercury Diesel TDI 3.0L and 4.2L Sterndrive

# MERCURY DIESEL TDI DRIVE LUBE MONITOR EXTENSION HARNESS



### 84-8M0080787

Harness Extension - Drive Lube Monitor Mercury Diesel TDI 3.0L and 4.2L Sterndrive

### SHIFT ACTUATOR HARNESS



### 84-879312T12

Shift actuation harness.

Sterndrive harness extension

### **EXTENSION HARNESS- NEUTRAL SAFETY**



### 84-899887T01

Harness extension used with neutral safety switch. (DTS Shift Actuator) Sterndrives (DTS)

### SWITCH EMERGENCY STOP



### 8M0068875

E-Stop switch for emergency stop All diesel engines

### **SWITCH EMERGENCY STOP**



### 84-8M6000699

E-Stop switch for emergency stop All diesel engines (SC 2.5)

### **KEY SWITCH EXTENSION - NO CRANK - 20 FOOT**



### 84-879312T77

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 20 foot length

Used on all DTS engines.

### **KEY SWITCH EXTENSION - NO CRANK - 30 FOOT**

### 84-879312T78

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 30 foot length

Used on all DTS engines.

### **KEY SWITCH EXTENSION - NO CRANK - 40 FOOT**

### 84-879312T79

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 40 foot length

Used on all DTS engines.

### **KEY SWITCH EXTENSION - NO CRANK - 50 FOOT**

### 84-879312T80

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 50 foot length

Used on all DTS engines.

### **KEY SWITCH EXTENSION - NO CRANK - 60 FOOT**

### 84-879312T81

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 60 foot length

Used on all DTS engines.

### **KEY SWITCH EXTENSION - NO CRANK - 70 FOOT**

### 84-879312T82

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 70 foot length

Used on all DTS engines.

# KEY SWITCH EXTENSION - NO CRANK - 80 FOOT

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 80 foot length

Used on all DTS engines.

### **VESSEL PANELS DTS**

### **VESSEL INTERFACE PANEL**



### 84-8M0070056

Vessel interface Panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

DTS Inboard (SC 2.2)

### 8M0086566

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

DTS Inboard (SC 2.5)

### 84-8M0070058

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

DTS Inboard + Troll (SC 2.2)

### 8M0086567

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

DTS Inboard + Troll (SC 2.5)

### VESSEL INTERFACE PANEL - QSB/QSC/QSL/QSM

### 84-8M0070060

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data.

NON-DTS Inboard (SC 2.2), QSB/QSC/QSL/QSM

### VESSEL PANEL -VIP - QSB/QSC/QSL/QSM 8M0086565

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

NON-DTS Inboard (SC 2.5)

### 84-8M0070062

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

DTS Sterndrive (SC 2.2)

### 77-8M0078038

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

DTS Sterndrive (SC 2.5)

### **VESSEL INTERFACE PANEL - QSB/QSC/QSL/QSM**

### 84-8M0070063

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

NON-DTS Sterndrive (SC 2.2), QSB/QSC/QSL/QSM

### VESSEL PANEL -VIP - QSB/QSC/QSL/QSM

### 77-8M0078039

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

NON-DTS Sterndrive (SC 2.5)

### **VESSEL PANEL KIT**



### 8M0070435

VIP Kit with Harness, VIP and Operations Manual Flashed with software. (Includes 8M0070064)

Zeus Twin (SC 2.2)

### **VESSEL PANEL KIT**



### 8M0072599

VIP Kit with Harness, VIP and Operations Manual  $\,$  Flashed with software. (Includes 8M00787774)

Zeus Twin (SC 2.5)

### VESSEL PANEL -VIP - QSB/QSC/QSL/QSM



### 84-8M0070064

Vessel integration panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

Zeus (SC 2.2)

### 8M0088792

Vessel integration panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

Zeus (SC 2.5)

#### **VESSEL INTERFACE PANEL**

#### 84-8M0070055

Vessel integration panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data .

DTS Hydra Triple Zeus (SC 3.0)

#### VESSEL PANEL -VIP - QSB/QSC/QSL/QSM

#### 84-8M0070053

Vessel integration panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

DTS Hydra Quad Zeus (SC 3.0)

#### **VESSEL INTERFACE PANEL - NO SIM**

#### 84-8M6001456

Service Vessel interface panel without Sim. Used to service all VIP boxes for single and twin models. (White Box)

QSB/QSC/QSL/QSM Single and Twin engines (Inboard, Sterndrive and Zeus)

#### 84-8M6001455

Service Vessel interface panel without Sim. Used to service all VIP boxes for triple models. (White Box)

QSB/QSC/QSL/QSM Triple engines (Zeus)

#### 84-8M6001454

Service Vessel interface panel without Sim. Used to service all VIP boxes for Quad models. (White Box)

QSB/QSC/QSL/QSM Quad engines ( Zeus )

## **PANELS DTS**

## MERCURY DIESEL VESSEL INTERFACE PANEL - DTS INBOARD



#### 84-8M0070066

Vessel Inteface Panel: includes a SIM and loaded software for a specific engine family. (White Box)

VIP communicates diesel engine data

Mercury Diesel - DTS Inboard (SC 2.2), Tier 2 (2.0L, 2.8L and 4.2L inline engines)

## MERCURY DIESEL VESSEL INTERFACE PANEL - DTS INBOARD (TROLL)

## 84-8M0070068

Vessel Interface Panel: includes a SIM and loaded software for a specific engine family. (White Box)

VIP communicates diesel engine data.

Mercury Diesel - DTS Inboard + Troll (SC 2.2), Tier 2 (2.0L, 2.8L and 4.2L inline engines)

## MERCURY DIESEL VESSEL INTERFACE PANEL - DTS STERNDRIVE

#### 84-8M0070069

Vessel Interface Panel: includes a SIM and loaded software for a specific engine family. (White Box)

VIP communicates diesel engine data

Mercury Diesel - DTS Sterndrive (SC 2.2), Tier 2 (2.0L, 2.8L and 4.2L inline engines)

## MERCURY DIESEL VESSEL INTERFACE PANEL - AXIUS GEN II

#### 84-8M0070070

Vessel Interface Panel: includes a SIM and loaded software for a specific engine family. (White Box)

VIP communicates diesel engine data

Mercury Diesel - Axius Gen II (SC 2.5), Tier 2 (2.0L, 2.8L and 4.2L inline engines)

#### **VESSEL INTERFACE PANEL - NO SIM**

#### 84-8M6000701

service Vessel Interface Panel without Sim. Used to service all VIP boxes DTS models. (White Box)

DTS QSD engines (Inboard, Sterndrive and Axius)

## PANELS NON DTS

#### **VESSEL INTERFACE PANEL - QSB/QSC/QSL/QSM**



#### 84-8M0070060

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data.

NON-DTS Inboard (SC 2.2), QSB/QSC/QSL/QSM

#### VESSEL PANEL -VIP - QSB/QSC/QSL/QSM 8M0086565

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

NON-DTS Inboard (SC 2.5)

## VESSEL INTERFACE PANEL - QSB/QSC/QSL/QSM

#### 84-8M0070063

Vessel interface panel for QSB/QSC/QSL/QSM diesel engines that includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

NON-DTS Sterndrive (SC 2.2), QSB/QSC/QSL/QSM

## **VESSEL INTERFACE PANEL - NO SIM**

## 84-8M6001456

Service Vessel interface panel without Sim. Used to service all VIP boxes for single and twin models. (White Box)  $\,$ 

QSB/QSC/QSL/QSM Single and Twin engines (Inboard, Sterndrive and Zeus)

#### SIM MODULE - SERVICE ONLY



## 8M0050264

Module (48 Sim) for service replacement for vessel interface panels (VIP) Has service only start up software.

All Diesel Current VIP ( QSD/QSB/QSC/QSL/QSM )

## MERCURY DIESEL VESSEL INTERFACE PANEL - MECH INBOARD



#### 84-8M0070071

Vessel Interface Panel: includes a SIM and loaded software for a specific engine family. (White Box)

VIP communicates diesel engine data

Mercury Diesel - Mechanical Inboard (SC 2.2), Tier 2 (2.0L, 2.8L and 4.2L inline engines)

## MERCURY DIESEL VESSEL INTERFACE PANEL - MECH STERNDRIVE

#### 84-8M0070072

Vessel Interface Panel: includes a SIM and loaded software for a specific engine family. (White Box)

VIP communicates diesel engine data

Mercury Diesel - Mechanical Sterndrive (SC 2.2), Tier 2 (2.0L, 2.8L and 4.2L inline engines)

## **VESSEL INTERFACE PANEL - NO SIM**

#### 84-8M6000703

Service Vessel Interface Panel without Sim. Used to service all VIP boxes for Non DTS models. (White Box)

Non DTS QSD engines (Inboard and Sterndrives)

## **VESSEL INTEGRATION PANEL (VIP)- SERVICE**



### 8M2004361

Service Panel with SIMS (service software) QSD Non DTS -Inboard and Sterndrive

#### SIMS MODULE- SERVICE 8M2004362

Sims Only with software (service software) QSD Non DTS - Inboard (SC 2.0)

#### 8M2004360

Sims Only with software (service software) QSD Non DTS - Sterndrive (SC 2.0)

## **VESSEL INTEGRATION PANEL (VIP)- NO SIMS**



#### 8M2004358

Service replacement - with complete software loaded QSD Non DTS-Inboard / Jet (non current - SC 2.0)

## **VIP MODULES -INTERFACE PANELS**

## **VIP MODULE WITH SOFTWARE**



#### 77-8M0075826

VIP Module loaded with specific software

QSD Inboard SC 2.2 DTS and QSB, QSC and QSM Inboard SC 2.2 DTS

#### 8M0089513

VIP Module loaded with specific software QSB, QSC, QSM Inboard SC 2.5 DTS

## 77-8M0075829

VIP Module loaded with specific software

QSD Inboard Plus Troll SC 2.2 DTS and QSB,QSC,QSM Inboard Plus Troll SC 2.2 DTS

## 8M0089514

VIP Module loaded with specific software QSB,QSC,QSM Inboard Plus Troll SC 2.5 DTS

## 77-8M0075831

VIP Module loaded with specific software QSB,QSC, QSM Inboard SC 2.2 Non DTS

#### 8M0089515

VIP Module loaded with specific software QSB,QSC,QSM Inboard SC 2.5 Non DTS

#### 77-8M0075833

VIP Module loaded with specific software

QSD Sterndrive SC 2.2 DTS and QASB,QSC,QSM Sterndrive SC 2.2 DTS

#### VIP MODULE

## 77-8M0078044

VIP Modules with Software

QSB/QSC/QSL/QSM Sterndrive DTS SC 2.5

## VIP MODULE STERNDRIVE NON DTS SC 2.5

## 77-8M0078045

VIP Modules with Software

QSB/QSC/QSL/QSM Sterndrive Non DTS SC 2.5

## VIP MODULE WITH SOFTWARE

## 77-8M0075836

VIP Module loaded with specific software QSB,QSC,QSM Zeus SC 2.2 DTS

#### 8M0089516

VIP Module loaded with specific software QSB,QSC,QSM Zeus SC 2.5 DTS

#### 77-8M0075824

VIP Module loaded with specific software Zeus Hydra Triple and Quad SC 3.0 DTS

#### **MERCURY DIESEL VESSEL INTERFACE PANEL - MECH INBOARD**



## 84-8M0070071

Vessel Interface Panel: includes a SIM and loaded software for a specific engine family. (White Box) VIP communicates diesel engine data

Mercury Diesel - Mechanical Inboard (SC 2.2), Tier 2 (2.0L, 2.8L and 4.2L inline engines)

#### VIP MODULE WITH SOFTWARE



#### 77-8M0075826

VIP Module loaded with specific software

QSD Inboard SC 2.2 DTS and QSB, QSC and QSM Inboard SC 2.2 DTS

#### 77-8M0075829

VIP Module loaded with specific software

QSD Inboard Plus Troll SC 2.2 DTS and QSB,QSC,QSM Inboard Plus Troll SC 2.2 DTS

#### 77-8M0075833

VIP Module loaded with specific software

QSD Sterndrive SC 2.2 DTS and QASB,QSC,QSM Sterndrive SC 2.2 DTS

#### 77-8M0075841

VIP Module loaded with specific software

QSD Axius Gen I SC 2.2 DTS

## 77-8M0075842

VIP Module loaded with specific software

QSD Axius Gen II SC 2.5 DTS

## 77-8M0075843

VIP Module loaded with specific software

QSD Inboard SC 2.2 Non DTS

#### 77-8M0075835

VIP Module loaded with specific software QSD Sterndrive SC 2.2 Non DTS

#### MERCURY DIESEL 2.0L VESSEL INTERFACE PANEL -DTS INBOARD



#### 8M0089492

Vessel Interface Panel: loaded with software specific to this application. Mercury Diesel 2.0L - DTS Inboard, Tier 3

#### **MERCURY DIESEL 2.0L VESSEL INTERFACE PANEL -**DTS STERNDRIVE

#### 8M0089494

Vessel Interface Panel: loaded with software specific to this application. Mercury Diesel 2.0L - DTS Sterndrive, Tier 3

## MERCURY DIESEL 2.0LVESSEL INTERFACE PANEL - MECH INBOARD

#### 8M0089495

Vessel Interface Panel: loaded with software specific to this application. Mercury Diesel 2.0L - Mechanical Inboard, Tier 3

#### **MERCURY DIESEL 2.0L VESSEL INTERFACE PANEL -MECH STERNDRIVE (ALPHA)**

## 8M0089496

Vessel Interface Panel: loaded with software specific to this application. Mercury Diesel 2.0L - Mechanical Sterndrive (Alpha), Tier 3

## MERCURY DIESEL 2.0L VESSEL INTERFACE PANEL - MECH STERNDRIVE (BRAVO)



## 8M0091581

Vessel Interface Panel: loaded with software specific to this application. Mercury Diesel 2.0L - Mechanical Sterndrive (Bravo), Tier 3

## **HELM PANEL DTS - MAIN STATION**

## MERCURY DIESEL SINGLE ENGINE SINGLE HELM PANEL DTS KIT



#### 8M0071418

This helm panel kit is used for the main station for single engine DTS diesel applications. It includes the helm board with CCM loaded software, hardware, helm harness, start/stop switch and hardware

Mercury Diesel Tier 2: Single engine DTS applications (Inboards, Inboards +Troll and Sterndrive - Uses CCM 48)

## MERCURY DIESEL DUAL ENGINE SINGLE HELM PANEL DTS KIT

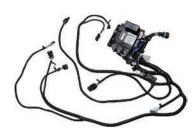


#### 8M0070429

This helm panel kit is used for the main station for dual engine DTS diesel applications. It includes the helm board with CCM loaded software, hardware, helm harness, start/stop switch and hardware

Mercury Diesel Tier 2: Dual engine DTS applications (Inboards, Inboards +Troll and Sterndrive - Uses CCM 48)

## **HELM PANEL BOARD**



## 8M0071493

This helm board includes CCM, harness, and hardware used to install DTS Single engine applications.

Cummins Single DTS.

## MERCURY DIESEL SINGLE ENGINE SINGLE HELM PANEL DTS BOARD

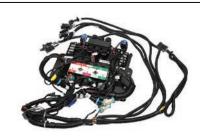


#### 84-8M0071357

This helm board includes CCM, harness and hardware needed to install DTS on single applications.

Mercury Diesel Tier 2: Single engine DTS applications (Inboards and Sterndrives (SC 2.2))

## **HELM PANEL BOARD**



#### 98-8M0070953

This helm board includes CCM, harness, and hardware used to install DTS Twin engine applications  $\,$ 

QSB, QSC, QSL,QSM and QSD Inboard, Inboard, Inboard + Troll and Sterndrives (SC 2.2)

## **HELM PANEL BOARD**

#### 8M0071494

Cummins Dual DTS

#### **MERCURY DIESEL HELM PANEL BOARD - AXIUS GEN II**



## 8M3800000

This helm board will include CCM's, Harness and Hardware needed to Gen II Axius on diesle DTS engines (specific application)

Mercury Diesel Axius Gen II (SC 2.5) on Tier 2 4.2L engine

## **ZEUS HELM BOARD**



#### 84-8M0139671

Zeus helm board for 2.5+ applications Zeus dual engine only

## **HELM PANEL DTS - SECOND STATION**

## MERCURY DIESEL SINGLE ENGINE SECOND HELM PANEL DTS KIT



#### 8M0071419

This helm panel kit is used for the second helm station for single diesel engine applications. It includes the helm board with CCM loaded software, hardware, helm harness, start/stop switch and hardware

Mercury Diesel Tier 2: Single DTS engine (Inboards, Inboards +Troll and Sterndrive - Uses CCM 48)

## MERCURY DIESEL DUAL ENGINE SECOND HELM PANEL DTS KIT

#### 8M0071420

This helm panel kit is used for the second helm station for dual diesel engine applications. It includes the helm board with CCM loaded software, hardware, harness, start/stop switch and hardware.

Mercury Diesel Tier 2: Dual DTS engine (Inboards, Inboards +Troll and Sterndrive - Uses CCM 48)

## **CCM SERVICE MODULES**

## **CCM MODULE SC 2.5**



#### 77-8M0075773

CCM Module with Software (CCM10)
QSB,QSC,QSL,QSM Inboard, Inboard plus Troll and Sterndrive CCM Module SC 2.5

## **CCM MODULE SC 2.2 STBD**



#### 77-8M0075786

CCM Module with Software (CCM 48)
QSB.QSC.QSM Zeus CCM Module SC 2.2

#### **CCM MODULE SC 2.2 PORT**

#### 77-8M0075787

CCM Module with Software (CCM 48) QSB,QSC,QSM Zeus CCM Module SC 2.2

#### **CCM MODULE SC 2.2**

#### 77-8M0075795

CCM Module with Software (CCM 48)
QSB, QSC, QSM, QSD Inboards and Sterndrives - CCM Module SC 2.2

### **CCM MODULE - ZEUS HYDRA**



## 77-8M0075767

CCM Module with Software (CCM10)
Multiple Engine Zeus Hydra - Triple and Quad

## **CCM MODULE SC 2.2**



## 77-8M0075809

CCM Module with Software (CCM 48) QSD,QSB,QSC,QSM AutoPilot Module

#### CCM MODULE - ZEUS HYDRA 8M0107056

CCM Module with 3.0 Software (Auto Pilot Module) Multiple Engine Zeus Hydra - Triple and Quad

## **CCM MODULE AXIUS GEN II**



#### 77-8M0075769

CCM Module with Software (CCM10)
QSD Axius Gen II SC 2.5 (CCM 10) Twin Engines

## **CCM MODULE SC 2.2 PORT**



#### 77-8M0075794

CCM Module with Software (CCM 48) QSD Axius Gen I - CCM Module SC 2.2

## **CCM MODULE SC 2.2**

#### 77-8M0075795

CCM Module with Software (CCM 48)

QSB, QSC, QSM, QSD Inboards and Sterndrives - CCM Module SC 2.2

## **ADAPTERS AND HARNESSES**

## SHIFT ACTUATOR HARNESS



84-879312T12

Shift actuation harness. Sterndrive harness extension

## **VESSEL SENSOR HARNESS**



84-879312T13

Vessel sensor harness with neutral safety.

## **EXTENSION HARNESS- NEUTRAL SAFETY**



84-899887T01

Harness extension used with neutral safety switch. (DTS Shift Actuator) Sterndrives (DTS)

## **GEAR ACTUATOR HARNESS**



84-879312T10

Gear actuator harness. On/Off Forward/Reverse. Inboard with DIN connector.

## **GEAR ACTUATOR EXTENSION HARNESS**



84-879312T11

Actuator extension harness DTS Troll with DIN Connector Gear On/Off, Forward/Reverse Twin Disc gear actuation

## **GEAR ACTUATOR HARNESS**



#### 84-879312T23

DTS Inboard with fuel injector connector (ZF gear actuation)

## **ACTUATOR WIRING HARNESS**



#### 84-879312T09

Gear forward/reverse.

Sterndrive DTS Troll with fuel injector connector.

## **HARNESS MERCATHODE 12 V**



## 84-879148T41

Harness for 12 volt MerCathode installation Zeus QSB/QSC EA 9164 QSM SV 2709

#### **HARNESS MERCATHODE 24 V**



#### 84-897345T63

Harness used with MerCathode 24 volt Zeus QSB/QSC EA 9165 QSM SV2709

## HARNESS SKYHOOK



#### 84-879150A33

Harness to connect to Skyhook Warning System Zeus Optional EA 8314

#### HARNESS -DRIVE APPLICATION KIT

Image not Available.

#### 84-8M0071504

This kit includes the trim relay harnness and the gear lube level harness All Sterndrives (Both DTS and Non DTS) Harness kit is included as part of the Zeus TR Driveshaft option (ref EA 8718)

## **MUS ID JUMPER**



#### 84-8M2004357

MUS ID Jumper - assigns the City ID to be used for a diesel engine Used to identify the Port Outer diesel engine in a dual, triple or quad application

## 84-8M0069106

MUS ID Jumper - assigns the City ID to be used for a diesel engine Used to identify the Port Inner diesel engine in a quad application

MUS ID Jumper - assigns the City ID to be used for a diesel engine Used to identify the Starboard Inner diesel engine in a triple or quad application

MUS ID Jumper - assigns the City ID to be used for a diesel engine Used to identify the Starboard Outer diesel engine in a single, dual, triple or quad application

## HARNESS ASSEMBLY



#### 84-899887T02

Mercury Diesel Inboards (both DTS and Mechanical)

## **DRIVE APPLICATION HARNESS EXTENSION**



#### 84-879172T90

5 foot drive application extension harness

Zeus applications

## 84-879172T91

10 foot drive application extension harness

Zeus applications

#### 84-879172T92

15 foot drive application extension harness

Zeus applications

#### 84-879172T93

20 foot drive application extension harness

Zeus applications

#### HARNESS EXTENSION - ENGINE TO VIP



#### 84-879345T61

Harness extension used to extend length from engine to VIP 5 ft

Mercury Diesel - Sterndrives and Inboards (DTS and Mechanical) - does not apply to TDI

## 84-879345T62

Harness extension used to extend length from engine to VIP 10 ft

Mercury Diesel - Sterndrives and Inboards (DTS and Mechanical) - does not apply to TDI

#### 84-879345T63

Harness extension used to extend length from engine to VIP 15 ft

Mercury Diesel - Sterndrives and Inboards (DTS and Mechanical) - does not apply to TDI

#### 84-879345T64

Harness extension used to extend length from engine to VIP 20 ft

Mercury Diesel - Sterndrives and Inboards (DTS and Mechanical) - does not apply to TDI

## **POWER HARNESS**



#### 84-899887T13

Engine unswitched power harness (10 ft)

All diesels - both Non DTS and DTS

#### 84-899887T14

Engine unswitched power harness (20 ft)

All diesels - both Non DTS and DTS

## **VESSEL SENSOR HARNESS STERNDRIVE**



#### 84-8M0118368

Harness used to connect vessel sensors - Optional

All Sterndrive Diesels Non DTS and DTS Including Axius (not for TDI) and does not work with SmartCraft depth or steering sensors

#### **VESSEL SENSOR HARNESS - INBOARDS**



#### 84-899887T08

Harness used to connect vessel sensors - Optional

All Inboards Diesels Non DTS and DTS (not for TDI) and does not work with SmartCraft depth or steering sensors

## **VESSEL SENSOR KIT**



#### 84-899887T09

Vessel sensor Connector Kit for building your own harness (optional) All Diesel products

#### **VESSEL SENSOR EXTENSION HARNESS**



#### 84-899888T21

Vessel sensor extension harness (Optional) 5 feet All Diesel products Non DTS and DTS including Axius

#### 84-899888T22

Vessel sensor extension harness (Optional) 10 feet All Diesel products Non DTS and DTS including Axius

#### 84-899888T23

Vessel sensor extension harness (Optional) 15 feet All Diesel products Non DTS and DTS including Axius

#### 84-899888T23

Vessel sensor extension harness (Optional) 15 feet All Diesel products Non DTS and DTS including Axius

#### 84-899887T17

Vessel sensor extension harness (Optional) 20 feet All Diesel products Non DTS and DTS including Axius

## HARNESS ADAPTER HALON



#### 84-879312T20

This adapter harness (halon) is used on non DTS diesel installations. Order 1 for singles and 2 for twin engine installs.

Mercury Diesel Mechanical engines

#### HARNESS ADAPTER LANYARD



### 84-879312T21

This lanyard adapter harness is used in the helm station for Non DTS Diesel engines. Order 1 for singles and 2 for twin engine installs Non DTS QSB,QSC,QSL,QSM and QSD helm stations

#### 84-879312T22

This lanyard adapter harness is used in the helm station for Non DTS Diesel engines. Order 1 for singles and 2 for twin engine installs

Non DTS QSB.QSC.QSL.QSM and QSD helm stations

#### HARNESS -ADAPTOR- GENSET CONVERTER



#### 84-879312T08

Converts SCv1 Genset to SCv2 connector All Diesels

#### JOYSTICK: MAIN POWER RELAY HARNESS - 20 FT.



#### 84-897345T08

Powers CCMs and TVMs for Joystick installations. Used in addition to 5 amp clean power harness. (20 ft. long)

#### **JOYSTICK: MAIN POWER RELAY HARNESS - 40 FT.**



#### 84-879172T85

Powers CCMs and TVMs for Joystick installations. Used in addition to 5 amp clean power harness. (40 ft. long)

#### JOYSTICK: MAIN POWER RELAY HARNESS - 60 FT. 84-879172T86

Powers CCMs and TVMs for Joystick installations. Used in addition to 5 amp clean power harness. 60 ft. long

#### **FUEL LEVEL HARNESS**



#### 84-8M0089989

4 pin fuel level harness used in conjunction with the applicable diesel vessel sensor harness to get up to two tank inputs per diesel engine.

Applies to all diesel applications from calendar year 2014 and later. Number of available tank inputs are specific to each diesel engine application (typically 1 to 2 per engine).

## MISCELLANEOUS ACCESSORIES

These electrical accessories are for Diesel Installations

## SHIFT ACTUATOR ASY



## 8M0111459

DTS Shift Actuator Diesel Sterndrives (DTS)

## **CONVERTER - 12 TO 24 VOLT**



#### 8M0069711

This product will convert voltage from 12 V to 24 V 25 Amp DTS Inboards and Sterndrives

## **VIBRATION ISOLATOR KIT**



## 8M2011935

Vibration isolator kit

For mounting a Mercury ECU (which does need vibration isolation)

## MATCHED KEY SWITCH KIT



## 87-8M3001384

Matched pair of 4 position key switches and keys along with the switch housings. Any dual engine application which utilizes the 6 pin key switch connectors at the helm

## **ACTIVE TRIM**

# **Active Trim**

Active Trim is an integrated GPS, speed-based automatic engine trim system from Mercury Marine. This intuitive, hands-free system continually adjusts engine trim based on changes in boat speed to improve performance, fuel economy, and ease of operation. It responds to boat maneuvers with precision and delivers a better overall driving experience. No knowledge of trimming an engine is needed to take advantage of Active Trim.

- As the boat accelerates, the engine will trim out
- As the boat decelerates, e.g. making a turn, the engine will trim in
- Active Trim can be overridden at any time by using the manual trim buttons
- Active Trim allows the boat operator to compensate for changes in boat load, driver preferences, and weather conditions while maintaining full automatic control

Active Trim is compatible with:

- Mercury FourStroke outboards from 40 to 400 HP
- Mercury SmartCraft-capable two-stroke outboards
- Mercury SmartCraft-capable gas and diesel sterndrive engines with digital trim senders



Engine Applications	Number of Engines	Part Number w Dash Pad	Part Number no Dash Pad
Digital Throttle & Shift (DTS) (Outboard and MerCruiser)	1 - 4	8M0111544	8M0129437
Race DTS (Outboard and MerCruiser)	1 - 4	8M0113442	8M0129438
150HP FourStroke / 150-250HP OptiMax (tiller excluded)	1	8M0111545	8M0129439
150HP FourStroke / 150-250HP OptiMax	2	8M0111552	8M0129440
75 – 115HP FourStroke (tiller excluded)	1	8M0111546	8M0129442
75 – 115HP FourStroke	2	8M0111553	8M0129456
40 – 60HP FourStroke (tiller excluded)	1	8M0111547	N/A
4.5L & 6.2L 300/350HP mechanical MerCruiser with digital trim sender	1	8M0111550	8M0129457
4.5L & 6.2L 300/350HP mechanical MerCruiser with digital trim sender	2	8M0111554	8M0129458

Note: The Active Trim Kit may include the Active Trim pad, ECU, harness and if necessary, digital trim sender. Active Trim part numbers are specific to engine families. Additional parts may be required dependent on boat rigging.



Learn more at mercurymarine.com

## **ACTIVE TRIM**

Active Trim is Mercury Marine's patented GPS-based automatic engine trim system. This intuitive, hands-free system continually adjusts engine trim for changes in operating conditions to improve performance, fuel economy, and ease of operation. It responds to boat maneuvers with precision and delivers a better overall driving experience.



## **ACTIVE TRIM KITS**

## **ACTIVE TRIM - DTS**



#### 8M0111544

The Active Trim Kit includes Active Trim pad, ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Single - Quad Engine Verado 200-400HP and Single & Dual Engine DTS/JPS MerCruiser Sterndrive

## ACTIVE TRIM - MECHANICAL MERCRUISER - SINGLE ENGINE



#### 8M0111550

The Active Trim Kit includes Active Trim pad, ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Single Engine Mechanical Sterndrive 4.5L and 6.2L 300-350HP Only

## ACTIVE TRIM - MECHANICAL MERCRUISER - DUAL ENGINE



#### 8M0111554

The Active Trim Kit includes Active Trim pad, ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Dual Engine Mechanical Sterndrive 4.5L and 6.2L 300 & 350HP only

## ACTIVE TRIM - 150HP FOURSTROKE, OPTIMAX 150-250HP - SINGLE ENGINE



#### 8M0111545

The Active Trim Kit includes Active Trim pad, ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

## ACTIVE TRIM - 150HP FOURSTROKE, OPTIMAX 150-250HP - DUAL ENGINE

Single Engine 150HP FourStroke and Optimax 150-250HP



#### 8M0111552

The Active Trim Kit includes Active Trim pad, ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Dual Engine 150HP FourStroke and Optimax 150-250HP

## ACTIVE TRIM - 75-115HP FOURSTROKE - SINGLE ENGINE



#### 8M0111546

The Active Trim Kit includes Active Trim pad, ECU, harness and digital trim sender. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging. Single Engine 75-115HP FourStroke (SN 2B095049 and up)

## **ACTIVE TRIM - 75-115HP FOURSTROKE - DUAL ENGINE**



#### 8M0111553

The Active Trim Kit includes Active Trim pad, ECU, harness and digital trim sender. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging. Dual Engine 75-115HP FourStroke (SN 2B095049 and up)

# ACTIVE TRIM - 40-60HP FOURSTROKE - SINGLE ENGINE



#### 8M0111547

The Active Trim Kit includes Active Trim pad, ECU, harness and digital trim sender. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging. Single Engine Gen 5 40-60HP FourStroke (SN 1C453940 and up)

#### PERFORMANCE ACTIVE TRIM



#### 8M0113442

The Active Trim Kit includes Active Trim pad, ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Greater than 70 mph Single - Quad Engine Verado 200-400HP and Single - Dual Engine 500+HP DTS High Performance Sterndrives

#### **ACTIVE TRIM - DTS (WITHOUT TRIM PAD)**



#### 8M0129437

The Active Trim Kit includes the ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Single - Quad Engine Verado 200-400HP and Single & Dual Engine DTS/JPS MerCruiser Sterndrive and using a VesselView 502 or 702 and newer display or using a VesselView Link and Lowrance or Simrad display.

#### PERFORMANCE ACTIVE TRIM (WITHOUT TRIM PAD)



#### 8M0129438

The Active Trim Kit includes the ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Greater than 70 mph Single - Quad Engine Verado 200-400HP and Single - Dual Engine 500-HP DTS High Performance Sterndrives and using a VesselView 502 or 702 and newer display or using a VesselView Link and Lowrance or Simrad display.

## ACTIVE TRIM - 150HP FOURSTROKE, OPTIMAX 150-250HP - SINGLE ENGINE (WITHOUT TRIM PAD)

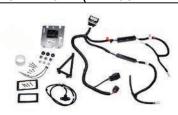


#### 8M0129439

The Active Trim Kit includes the ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Single Engine 150HP FourStroke and Optimax 150-250HP and using a VesselView 502 or 702 and newer display or using a VesselView Link and Lowrance or Simrad display.

## ACTIVE TRIM - 150HP FOURSTROKE, OPTIMAX 150-250HP - DUAL ENGINE (WITHOUT TRIM PAD)



#### 8M0129440

The Active Trim Kit includes the ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Dual Engine 150HP FourStroke and Optimax 150-250HP and using a VesselView 502 or 702 and newer display or using a VesselView Link and Lowrance or Simrad display.

## ACTIVE TRIM - 75-115HP FOURSTROKE - SINGLE ENGINE (WITHOUT TRIM PAD)



#### 8M0129442

The Active Trim Kit includes the ECU, harness and digital trim sender. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Single Engine 75-115HP FourStroke and using a VesselView 502 or 702 and newer display or using a VesselView Link and Lowrance or Simrad display. (SN 2B095049 and up)

## ACTIVE TRIM - MECHANICAL MERCRUISER - SINGLE ENGINE (WITHOUT TRIM PAD)

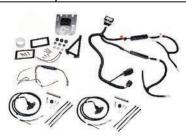


#### 8M0129457

The Active Trim Kit includes the ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Single Engine Mechanical Sterndrive 4.5L and 6.2L 300-350HP only and using a VesselView 502 or 702 and newer display or using a VesselView Link and Lowrance or Simrad display.

## ACTIVE TRIM - 75-115HP FOURSTROKE - DUAL ENGINE (WITHOUT TRIM PAD)



#### 8M0129456

The Active Trim Kit includes the ECU, harness and digital trim sender. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Dual Engine 75-115HP FourStroke and using a VesselView 502 or 702 and newer display or using a VesselView Link and Lowrance or Simrad display. (SN 2B095049 and up)

## ACTIVE TRIM - MECHANICAL MERCRUISER - DUAL ENGINE (WITHOUT TRIM PAD)



#### 8M0129458

The Active Trim Kit includes the ECU and harness. Active Trim part numbers are specific to engine families. Ensure correct kit is ordered. Additional parts may be required dependent on boat rigging.

Dual Engine Mechanical Sterndrive 4.5L and 6.2L 300 & 350HP only and using a VesselView 502 or 702 and newer display or using a VesselView Link and Lowrance or Simrad display.

#### **ACTIVE TRIM - PAD ONLY**



#### 8M0112041

Active trim pad for second helm and/or service replacement

#### **DIGITAL TRIM SENDER KIT - 40-60HP FOURSTROKE**



#### 8M0109720

Digital Trim Sender Kit 40-60HP FourStroke

#### DIGITAL TRIM SENDER KIT - 75-115HP FOURSTROKE



#### 8M0109722

Digital Trim Sender Kit 1.7L 75-115HP FourStroke

#### TRIM SENSOR CONVERTER KIT



#### 8M0059529

This kit will allow you to convert the signal from the digital sensor to an analog signal. It will allow you to drive an analog gauge for trim only without changing the sensor to an analog sensor. This kit will connect directly to the harness inside the emgine cowl.

F150 EFI FourStroke outboard engine only

#### **DIGITAL TO ANALOG CONVERTER**



#### 8M0111837

Enables use of analog trim gauge with digital trim sender F2 40-60 HP FourStrokes, 2.1L 75-115 HP FourStrokes and Optimax V6

#### **ACTIVE TRIM SIDE MOUNT ADAPTER KIT**



#### 84-8M0114502

Kit contains bullet to Molex connector to make Active Trim compatible with mechanical side mount control

Only required on boats utilizing mechanical side mount control

## JUNCTION BOXES/JUNCTION BOX ACCESSORIES

## SMARTCRAFT JUNCTION BOX



#### 878492K14

4-Way SmartCraft Junction Box with (2) weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

## 878492T14

4-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system

#### 878492B14

4-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

Priced individually, sold @ multiples of 24

#### **SMARTCRAFT JUNCTION BOX**



#### 878492K16

6-Way SmartCraft Junction Box with (3) weather caps.

Provides connection/distribution point for multiple components on CAN Bus system. Order 1 for single and 2 for twin engine installs.

### 878492T16

6-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

#### 878492B16

6-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

Priced individually, sold @ multiples of 24

#### **SMARTCRAFT JUNCTION BOX**



#### 878492K18

8-Way SmartCraft Junction Box with (4) weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

#### 878492T18

8-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

#### **SMARTCRAFT WEATHER CAP**



#### 859318T 2

Weather Cap for SmartCraft Junction Box

Provides weather protection at unused junction box connection points

#### 859318B 2

Weather Cap for SmartCraft Junction Box

Provides weather protection at unused junction box connection points Priced individually, sold @ multiples of 24

## 10 PIN WEATHER CAP



#### 888507T

10 pin weather cap with mounting tab.

Used for harnessing that could plug into a Junction Box.

## **SMARTCRAFT J-BOX TERMINATOR/RESISTOR**



#### 859318T 1

SmartCraft Yellow 10-pin Terminator/Resistor Provides CAN Bus termination for CAN P network.

#### 859318B 1

SmartCraft Yellow Junction Box Terminator/Resistor Provides CAN Bus termination where installed Priced individually, sold @ multiples of 24

#### **TERMINATOR ASSEMBLY**



8M0055652 SmartCraft Red Terminator Can 1/P & H

## **RESISTOR-TERMINATION-2 PIN**



### 893388A01

Blue 2-pin terminator/resistor Provides CAN bus termination for CAN Networks.

#### **HELM MPR 2 PIN WEATHER CAP**



#### 86-8M0054244

GT280 2 pin male weather cap.

Used on Joystick (Zeus, Axius and JPO) applications for the Helm MPR connection harness 8M2021476.

## **PLUG ASY DIAGNOSTIC PORT**



#### 8M0046339

10 pin diagnostic port for use on any SmartCraft application.

Used as a 10 pin diagnostic port for connecting Mercury Computer Diagnostic System (CDS) junction box connection. Typically gets mounted at the helm, out of line of sight so that a technician does not have to disassemble helm to plug into a 10 pin connection. Requires a harness from back of diagnostic port to a 10 pin SmartCraft connection in the rigging.

## **SMARTCRAFT GAUGE HARNESSES**

#### **SC1000 SYSTEM TACHOMETER HARNESS**



#### 84-879979T11

3 ft. (.9 meters) Tachometer Harness

Provides connection to SC1000 System Tachometer, horn and SC100 Series Gauges. Requires the use of SmartCraft Junction Boxes listed in SC1000 Section.

## **SC1000 SYSTEM SPEEDOMETER HARNESS**



#### 84-879978T11

3 ft. (.9 meters) Speedometer Harness

Provides connection to SC1000 System Speedometer, air temp, GPS (0183) and horn. Requires the use of SmartCraft Junction Boxes listed in SC1000 Section. See SC1000 System Speedometer product in SC1000 Section.

## **3 FOOT SMARTCRAFT EXTENSION HARNESS**

Image not Available.

#### 84-8M0138593

All 10 pins are populated in this SmartCraft 3 foot extension harness Used to extend SmartCraft connections up to 3 feet

#### **HARNESS EXTENSION- 10 PIN**



#### 84-8M0058668

This harness extension will allow you to increase the length by 6 feet of the 10 pin drop for instruments. The extension will work with Side Mount controls as well as any 896537 series main engine / boat harness.

#### **DIAGNOSTIC HARNESS ADAPTER**



#### 84-859316T 1

Service replacement harness for SmartTach communication. Plugs between diagnostic port and engine harness

#### **DUAL ENGINE INSTRUMENT ADAPTER**



#### 84-892323T01

Allows gauges to be powered from any key switch on dual applications Works with all SmartCraft compatible engines

## TRIPLE ENGINE INSTRUMENT ADAPTER

Allows gauges to be powered from any key switch on triple applications. Works with all SmartCraft compatible engines

## **QUAD ENGINE INSTRUMENT ADAPTER**



## 84-898284T01

Allows gauges to be powered from any key switch on triple applications. Works with all SmartCraft compatible engines.

## **SC 100 LINK HARNESSES**

## SYSTEM LINK ADAPTER KIT



#### 84-8M0052774

Kit that drives SC100 Link Gauges from 10 Pin connection at the helm. Contains 10 pin to 3 pin adapter and 3 pin to 3 pin low voltage reset module. Engine must be capable of providing Tach Link output and gray analog tach wire must be populated in 10 pin connection at helm in order to utilize this kit.

#### **SYSTEM LINK RESET HARNESS**



#### 98289T42

Resets SC 100 gauges in the event of voltage drops due to starting engine with a low/weak battery. Use in conjunction with System Link Harness (84-892821K01) SmartCraft SC 100 gauges

## **SC 100 DATA HARNESS**



#### 84-880756T05

6 in. SmartCraft Extension Harness Provides data link extension between SC100 Series products.

## **SC 100 DATA HARNESS**



## 84-880756T 1

1 ft. (.3 meters) SmartCraft Extension Harness Provides data link extension between SC100 Series products.

#### 84-880756T 3

3 ft. (.9 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

## 84-880756B 3

3 ft. (.9 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

Priced individually, sold @ multiples of 12

#### 84-880756T10

10 ft. (3.0 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

#### 84-880756T30

30 ft. (9.1 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

#### 84-880756B30

30 ft. (9.1 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

Priced individually, sold @ multiples of 12

## 10 PIN (YELLOW) DATA HARNESSES

#### CAN DATA HARNESS - 10 PIN - NO RESISTORS DTS (YELLOW)



#### 84-879312T44

Contains CAN 1,2, and 3. 1 ft. (0.3 meter) SmartCraft data harness without resistors

Provides data link between SmartCraft System CAN Bus components on DTS applications (Digital Throttle & Shift)

#### 84-879312T45

Contains CAN 1,2, and 3. 2 ft. (0.6 meter) SmartCraft data harness without resistors

Provides data link between SmartCraft System CAN Bus components on DTS applications (Digital Throttle & Shift)

#### 84-879312T46

Contains CAN 1,2, and 3. 3 ft. (0.9 meter) SmartCraft data harness without resistors

Provides data link between SmartCraft System CAN Bus components on DTS applications (Digital Throttle & Shift)

#### 84-879312T47

Contains CAN 1,2, and 3.  $\,4\,\text{ft.}$  (1.2 meter) SmartCraft data harness without resistors

Provides data link between SmartCraft System CAN Bus components on DTS applications (Digital Throttle & Shift)

## CAN DATA HARNESS - 10 PIN - NO RESISTORS (YELLOW)



#### 84-879969T 6

6 ft. (1.8 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components.

#### 84-879969B 6

6 ft. (1.8 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components. Priced individually, sold @ multiples of 6

#### 84-879969T10

10 ft. (3.0 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components.

#### 84-879969B10

10 ft. (3.0 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components. Priced individually, sold @ multiples of 6

#### 84-879969T15

15 ft. (4.6 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components.

#### 84-879969T20

20 ft. (6.1 meter) SmartCraft data harness without resistors
Provides data link between SmartCraft CAN P, X and H components.

## 84-879969T30

30 ft. (9.1 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components.

## CAN DATA HARNESS - 10 PIN WITH ONE RESISTOR (YELLOW)



#### 84-879980T10

10 ft. (3.0 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components.

## 84-879980B10

10 ft. (3.0 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components. Priced individually, sold @ multiples of 12

## 84-879980T15

15 ft. (4.6 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components.

#### 84-879980B15

15 ft. (4.6 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components. Priced individually, sold @ multiples of 6

## 84-879980T30

30 ft. (9.1 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components.

#### 84-879980B30

30 ft. (9.1 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components.

Priced individually, sold @ multiples of 12

## 10 PIN (BLUE) DATA HARNESSES

## CAN DATA HARNESS - 10 PIN NON DTS WITH RESISTORS (BLUE)



#### 84-879982T20

20 ft. (6.1 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

#### 84-879982B20

20 ft. (6.1 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

Priced individually, sold @ multiples of 12

#### 84-879982T25

25 ft. (7.6 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

#### 84-879982T30

30 ft. (9.1 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

## 84-879982B30

30 ft. (9.1 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

Priced individually, sold @ multiples of 12

## CAN DATA HARNESS - 10 PIN - NO RESISTORS NON DTS (BLUE)



#### 84-879968T 6

6 ft. (1.8 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft CAN P Components.

#### 84-879968T10

Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

#### 84-879968B10

10 ft. (3.0 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components Priced individually, sold @ multiples of 12

#### 84-879968T15

15 ft. (4.6 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

#### 84-879968T20

20 ft. (6.1 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

#### 84-879968T25

25 ft. (7.6 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

#### 84-879968T30

30 ft. (9.1 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

#### 84-879968B30

30 ft. (9.1 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components Priced individually, sold @ multiples of 12

#### 84-879968T50

50 ft (15.2 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

#### 84-879968T80

80 ft (24.4 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

## CAN DATA HARNESS - 10 PIN - ONE RESISTOR NON DTS (BLUE)



## 84-879981T10

10 ft. (3.0 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

#### 84-879981T15

15 ft. (4.6 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

#### 84-879981T20

20 ft. (6.1 meter) SmartCraft data harness with one resistor

Provides data link between SmartCraft System CAN Bus Components

#### 84-879981B20

20 ft. (6.1 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components Priced individually, sold @ multiples of 12

## 84-879981T25

25 ft. (7.6 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

## 84-879981T30

30 ft. (9.1 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

#### 84-879981T50

50 ft. (15.2 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

#### 84-879981T80

80 ft. (24.4 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

## **ADAPTER HARNESSES - 10 PIN**

## **ADAPTER-10 PIN**



#### 84-892452T01

Male to male 10 pin adapter cable. Allows connection between CAN 1 communication cable and Command Module harness in applications where a junction box is used.

## **ADAPTER-10 PIN**



#### 84-892453A01

Used to adapt a 10-pin male connector to another 10-pin male connector.

#### "Y" ADAPTER HARNESS - LINK ADAPTER



#### 84-8M0082859

Used on DTS engines that require extend length CAN networks.
Used for long data run multi-engine applications, primarily those utilizing CAN H.

## TRIPLE/QUAD DTS LINK HARNESS



#### 84-8M0077124

Allows multiple DTS engine connections to link systems to communicate with each command module. 15  ${\rm ft}$ 

2005 - Present DTS engines CAN P and CAN H Data

## TRIPLE/QUAD DTS LINK HARNESS



#### 84-8M0077125

Allows multiple DTS engine connections to link systems to communicate with each command module.  $20\ \mathrm{ft}$ 

2005 - Present DTS engines CAN P and CAN H Data

## TRIPLE/QUAD LINK HARNESS - 10 FOOT



#### 84-8M0071598

Allows multiple Joystick engines to communicate, 10 foot length 10 pin Joystick link harness containing CAn P and CAN H

#### TRIPLE/QUAD DTS LINK HARNESS

## 84-8M0077124

Allows multiple DTS engine connections to link systems to communicate with each command module. 15  ${\rm ft}$ 

2005 - Present DTS engines CAN P and CAN H Data

#### **CAN P LINK HARNESS ASSEMBLY**



#### 84-891957K01

Link cable in connected between junction boxes to allow communication between port and starboard systems in dual applications.

## **ADAPTER HARNESSES - 2 PIN**

## **2 PIN LINK HARNESS- CAN**



#### 84-893452A01

Used to link CAN Networks together.

## 2 PIN "Y" ADAPTER HARNESS - LINK ADAPTER



84-896370T01

Used on DTS engines that require extended length CAN networks.

## **ADD-ON SENSOR HARNESSES**

## ADVANCED SOUND CONTROL KIT



#### 8M0143359

Provides an interface for a dash-mounted dedicated button or switch to manipulate the Advanced Sound Control capability on Verdao AMS applications (4.6L V8 only) Optional kit for Verado AMS applications (4.6L V8) that is not required when a version 9 SmartCraft gauge or a VesselView403/502/702/903 or compatible Simrad or Lowrance display is used (control capability is within the user interface).

## **OIL LEVEL STATUS KIT**



#### 8M0142265

Optional kit for to report oil level status to be used in conjunction with SmartCraft gauges or displays.

Feature comes standard on 4.6L V8 Verado AMS. Can be added to 3.4L V6 and 4.8L V8 engines that do not have this feature. Oil level status can be viewed on VesselViews and SmartCraft gauges.

## **DIGITAL BLOCK WATER PRESSURE SENSOR**



#### 71-8M0142696

Optional kit to add digital block water pressure to the SmartCraft data stream Applicable to the non-DTS 3.4L V6 and 4.6L V8 engines (DTS versions have this sensor as standard)

#### **ANALOG BLOCK WATER PRESSURE SENDER**



### 8M0145165

Optional kit to add analog block water pressure feature to a digital engine Applicable to DTS 3.4L V6 and 4.6L V8 engines (mechanical engines have this sensor as standard)

#### **BOAT HARNESS - FUEL/PADDLE**



## 84-8M0146321

6-Pin male harness connects tanks and paddle wheel to SmartCraft system For all Verado and 2006 and newer SmartCraft compatible outboard engines 75 HP and above. Also fits MCM/MIE engines (s/n 0W650000 and above). Includes fuel/paddle harness, 6 pin adapter, male bullet insulator and terminals.

## **BOAT HARNESS - FUEL/PADDLE**



#### 84-8M0075945

6-Pin male harness connects tanks and paddle wheel to SmartCraft system For all Verado and 2006 and newer SmartCraft compatible outboard engines 75 HP and above. Also fits MCM/MIE engines (s/n 0W650000 and above).

#### **BOAT HARNESS ADAPTER**



#### 84-898285T01

Needed in order to adapt newer engines that are equipped with a female 6-pin connector to a 6-pin female boat harness.

#### **BOAT HARNESS ADAPTER- 6 PIN F- 6 PIN F 6'**



#### 84-883459T01

Needed in order to adapt newer engines that are equipped with a female 6-pin connector to connect to a 6-pin female boat harness.

#### PADDLE WHEEL HARNESS - 5 FOOT EXTENSION



## 84-8M0122787

Paddle Wheel extension harness - 5 feet

## PADDLE WHEEL HARNESS - 10 FOOT EXTENSION

84-864988

Paddle Wheel extension harness - 10 feet

#### PADDLE WHEEL HARNESS - 15 FOOT EXTENSION

84-8M0122618

Paddle Wheel extension harness - 15 feet

## PADDLE WHEEL HARNESS - 20 FOOT EXTENSION

84-8M0122619

Paddle Wheel extension harness - 20 feet

## **FUEL TANK HARNESS**



#### 84-898289T75

120 inch Harness needed to connect tank senders to the 350 Verado SCI and sterndrive models 565 through 1650

#### 84-898289T76

240 inch Harness needed to connect fuel tank senders to the 350 Verado SCI and sterndrive models 565 through  $1650\,$ 

#### **VESSEL ADAPTER HARNESS**



## 84-898289T74

Harness is used to connect the traditional 6pin SmartCraft boat harness to the Verado 350 SCI to communicate with tank sensors

## **OIL PRESSURE SENSOR**

### **OIL PRESSURE SENSOR KIT**



#### 866814A01

Required when SmartCraft is installed on 3.0L MPI & Vazer engines. Replaces the original analog oil pressure sensor with a digital sensor.

Fits MCM 3.0L MPI & Vazer engines

## **BLOCK WATER PRESSURE SENDER**

## **BLOCK WATER PRESSURE DIGITAL KIT**



#### 8M0089111

Digital sensor to provide block water pressure on SmartCraft gauges. 2.1L F75-115 Four Stroke

## **FUEL SENDERS**

## **FUEL GAUGE SENDING UNIT**



#### 851052Q

Designed for tanks that have a 5 screw flange. Use with 12 volt system. 33-240 ohm. Adjusts from 4 in.(10.2 cm) to 24 in.(60.7 cm) Quicksilver Branded, Clamshell Package Point of Sale Packaged.

## **TRIM SENSORS**

#### **POWER TRIM SENDER**



## 891777A01

Starboard Mounted. Required for digital gauge applications. Fits SmartCraft compatible engines.

## **SENSOR ASSEMBLY-TRIM**



#### 8M0095310

Fits all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM.

## SENSOR KIT- TRIM



#### 863187A 2

Fits all SmartCraft compatible MerCruiser and Mercury Racing product when these models have the 555 ECM. Also used on CMD engines

#### **ROTOR KIT**



## 805134A 6

Optional rotor required when using SmartCraft instumentation with the analog trim senders on 2001-2002 MPI engines.

Note: In May of 2002, the ECM 555 controller was modified to allow use of the standard rotor 805134A4 for use with SmartCraft instrumentation which has eliminated the need to swap out the standard H1 rotor with this optional J1 rotor. For use on 2001-2002 MCM 4.3L, 5.0L, 350 Mag & 6.2L MPI engines with SmartCraft instrumentation. (s/n 0M300000-0M362927)

## TRANSOM MOUNT TRANSDUCERS

# DEPTH/SPEED/TEMP TRANSDUCER - TRANSOM MOUNT



#### 79-8M0122503

Mounts to boat's transom and provides depth/speed/temp input to SmartCraft instruments. Beam is 11 degree conical with a useful depth range to 100 meters. Fits SmartCraft compatible engines

Mercury Branded

## **ADAPTER - HARNESS/SENSOR**



### 84-881244A 1

2 to 4 pin adapter with power leads to connect depth transducers to 2002-2005 V6 EFI and OptiMax. This harness is included in the depth transducer kits(879295A01, 881933A11, 884207A11).

## SPEED/TEMPERATURE SENSOR



#### 859223A01

Single unit which measures boat speed via paddle wheel as well as water temperature.

Fits SmartCraft compatible engines.

#### 859223B21

Fits SmartCraft compatible engines. BULK KIT Priced individually, sold @ multiples of 24

## **TEMPERATURE SENSOR**



56-820386A76

SC 1000 Speedo kit and VesselView Axius and Outboard.

## TRANSOM MOUNT TRANSDUCER BRACKETS

## **BRACKET-TRANSDUCER**



#### 859223001

Bracket only, used with the 859223 Speed/Temp sender.

## TRANSDUCERS THRU HULL

## TRANSDUCER INSERT HOUSING - THRU HULL



#### 879296T01

This part is a housing that mounts thru boat's hull allows the insert of a speed/temp transducer (879296T02) or a speed/depth/temp transducer (8M0122504). Must be used with either an 879296T02 or 8M0122504.

## SPEED TEMP TRANSDUCER INSERT - THRU HULL



#### 879296T02

Mounts thru boat's hull, provides speed/temp data input to SmartCraft instruments.

\*Must be used with transducer housing part# 879296T01. \*This is not a stand alone part.

## DEPTH/SPEED/TEMP TRANSDUCER INSERT - THRU



#### 79-8M6004807

Mounts thru boat's hull, provides speed/depth/temp data input to SmartCraft instruments. Beam is 10 X 44 degree fan with a useful depth range to 70 meters. Recommended dead rise is 0 to 22 degrees.

\*Must be used with transducer housing part# 879296T01. \*This is not a stand alone part.

#### DEPTH/TEMP SENSOR/ THRU HULL/ 10 FT/ 20 DEGREE



#### 79-8M0122505

10 foot thru hull depth and temp sensor. Beam is 12 degree conical with a useful depth range of 100 meters. Recommended dead rise is 16 to 24 degrees. Fits 2002 and newer SmartCraft engines

#### 79-8M0122881

10 foot thru hull depth and temp sensor. Beam is 12 degree conical with a useful depth range of 100 meters. Recommended dead rise is 16 to 24 degrees. Fits 2002 and newer SmartCraft engines. BULK KIT - Priced individually, sold @ multiples of 12

## DEPTH/TEMP SENSOR/ THRU HULL/ 19 FT/ 20 DEGREE



#### 79-8M0122506

19 foot thru hull depth and temp sensor. Beam is 12 degree conical with a useful depth range of 100 meters. Recommended dead rise is 16 to 24 degrees. Fits 2002 and newer SmartCraft engines.

## 79-8M0122888

19 foot thru hull depth and temp sensor. Beam is 12 degree conical with a useful depth range of 100 meters. Recommended dead rise is 16 to 24 degrees. Fits 2002 and newer SmartCraft engines. BULK KIT - Priced individually, sold @ multiples of 12

Priced individually, sold @ multiples of 12

#### DEPTH/TEMP SENSOR/ THRU HULL/ 19 FT/ 0 DEGREE



#### 79-8M0122507

19 foot thru hull depth and temp sensor. Beam is 12 degree conical with a useful depth range of 100 meters. Recommended dead rise is 0 degrees. Fits 2002 and newer SmartCraft engines.

### DEPTH/TEMP SENSOR/ THRU HULL/ 19 FT/ 0 DEGREE



#### 79-8M0123434

19 foot thru hull depth and temp sensor. Beam is 12 degree conical with a useful depth range of 100 meters. Recommended dead rise is 0 degrees. Fits 2002 and newer SmartCraft engines. BULK KIT - Priced individually, sold @ multiples of 12 Priced individually, sold @ multiples of 12

## SPEED SENSOR & TEMP /THRU HULL



## 883090A01

19 ft.

Fits 2002 and newer SmartCraft engines

#### SPEED SENSOR & TEMP/ THRU HULL 883090B 1

19 ft

Fits 2001 and newer OptiMax, 2002 and newer V-6 EFI & 30-60 EFI FourStroke and MerCruiser engines having the 555 ECM.

Priced individually, sold @ multiples of 12

## TRANSDUCERS IN-HULL

## **DEPTH FINDER TRANSDUCER - IN HULL**



#### 79-8M0122502

Mounts in boat's hull and provides depth input to SmartCraft instruments. Plastic body.

In-Hull depth transducer. Beam is 7 degree conical with a useful depth range to 100 meters. Recommended dead rise is 0 to 22 degrees. Fits 2002 and newer SmartCraft engines.

## **PITOT KITS**

#### PITOT/SPEED SENSOR KIT



#### 881879A 2

100 PSI for speeds less than 80 mph. Mounts to either the MerCruiser sterndrive transom bracket or to the boat near the engine. All parts required for mounting and connecting the sensor are included in the kit.

Fits all SmartCraft compatible MerCruiser and Mercury Racing product.

#### PITOT/SPEED SENSOR KIT



## 881879A 3

200 PSI for speeds greater than 80 mph. Mounts to either the MerCruiser sterndrive transom bracket or to the boat near the engine. All parts required for mounting and connecting the sensor are included in the kit.

Fits all SmartCraft compatible MerCruiser and Mercury Racing product.

#### PITOT/SPEED SENSOR KIT



#### 881879A22

This kit provides a hose hook up from the gearcase to a sensor to be engine mounted, allowing SmartCraft (digital) applications for a speedometer to receive a signal from the engine.

Fits the 75/90/115hp. (1.5L) OptiMax outboard engines, Model Year 2004 and newer

#### PITOT/SPEED SENSOR KIT



#### 881879A13

100 PSI for speeds less than 80 mph. Mounts to either the MerCruiser sterndrive transom bracket or to the boat near the engine. All parts required for mounting and connecting the sensor are included in the kit. Includes 84-863931 harness (flat 4 pin to transom 10 pin) and 84-863737 harness (round 3 pin to flat 4 pin). Used on current 10 pin harness applications only.

Fits all SmartCraft compatible MerCruiser and Mercury Racing product.

## PITOT/SPEED SENSOR KIT



#### 881879A15

100 PSI for speeds less than 80 mph. Mounts to either the MerCruiser sterndrive transom bracket or to the boat near the engine. All parts required for mounting and connecting the sensor are included in the kit. Only includes the 84-863737 harness (round 3 pin to flat 4 pin)

Fits all SmartCraft compatible MerCruiser and Mercury Racing product.



#### SMARTCRAFT PITOT SENSOR KIT



#### 8M0090447

Pitot sensor kit provides speed information for SmartCraft gauges. 2.1L F75-115 Four Stroke and 150 Four Stroke

### **SMARTCRAFT PITOT SENSOR (SPEED)**



#### 8M0103315

100 psi SmartCraft Pitot sensor for speed input Verado Gen 5 350 HP engine only, all other Gen 5 Verado engines come with Pitot

## PRESSURE TRANSDUCER KIT



## 859210A 1

Speed pressure transducer is either mounted to the transom bracket or a location near the engine. 100 PSI sensor is plumbed to a speed pickup tube and then wired to the engine sensor plug included with SmartCraft Gauges.

Fits 2002 and newer OptiMax outboard engines at speeds less than 80 mph.

## **GPS KITS**

## SMARTCRAFT OR NMEA2000 GPS ANTENNA



#### 8M0130792

SmartCraft or NMEA2000 capable GPS Antenna. Used with any system needing a SmartCraft GPS source OR NMEA2000 GPS source. GPS autodetects which system it is connected to and communicates correctly.

GPS can be used for all of the following applications: SC1000 gauge speed source, SmartTow speed source, Active Trim without dash pad speed source or NMEA2000 speed and position source.

## **GPS EXTENSION CABLE**



#### 84-879171T21

3.2 foot extension cable to be used with GPS Kit (8M0024918) CAN P GPS signal for non Auto Pilot equipped boats

#### 84-879171T22

6.6 foot extension cable to be used with GPS Kit (8M0024918) CAN P GPS signal for non Auto Pilot equipped boats

## 84-879171T23

9.8 foot extension cable to be used with GPS Kit (8M0024918) CAN P GPS signal for non Auto Pilot equipped boats

## CAN H TO GTC CONNECTOR ADAPTER HARNESS



#### 84-8M0120136

Flat 4 pin CAN H connector to GTC connector adapter - 0.5 meter Used in certain Joystick applications

## **NMEA2000**

# Mercury NMEA 2000®

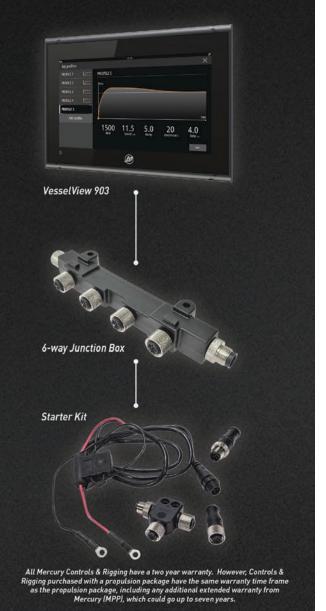
## Truly smart boating

Mercury Marine improves the process of connecting marine electronic devices by offering only top-performing products.

All Mercury components have undergone rigorous testing and validation. The likelihood of failed connections can be reduced by limiting the number of connectors under the helm, thus improving communication between electronics.

With an almost endless number of options, you can make your on-board network as advanced as you like.

Mercury NMEA 2000 Components		
Description	Part Number	
NMEA 2000 6-way Junction Box	8M0138268	
NMEA 2000 SmartCraft Gateway	8M0105243	
NMEA 2000 Starter Kit	8M0110642	
NMEA 2000 Power Harness	8M0114012	
0.5 meter NMEA Extension Harness	879171T01	
1 meter NMEA Extension Harness	879171T02	
2 meter NMEA Extension Harness	879171T03	
3 meter NMEA Extension Harness	879171T04	
4 meter NMEA Extension Harness	879171T05	
5 meter NMEA Extension Harness	879171T06	
6 meter NMEA Extension Harness	879171T07	
7 meter NMEA Extension Harness	879171T08	
8 meter NMEA Extension Harness	879171T09	
9 meter NMEA Extension Harness	879171T10	
10 meter NMEA Extension Harness	879171T11	
NMEA 2000 "T" Connector	8M6004829	
NMEA 2000 Resistor – Female	8M6004831	
NMEA 2000 Resistor – Male	8M6004830	
NMEA 2000 Weather Cap	8M6000708	





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P/N 90-8M0143459

## NMEA2000 COMPONENTS

## NMEA2000 6-WAY JUNCTION BOX



#### 84-8M0138268

Rather than using individual T's, use a rock-solid distribution block to build your NMEA2000 network. Has 6 individual connectors.

Works with any NMEA2000 standard 5 pin connector and can support both male and female termination resistors.

#### **MALE - FEMALE 5-PIN EXTENSION HARNESS**



#### 84-879171T01

0.5 meter long harness to extend any NMEA 2000 backbone or Mercury CAN H bus for IMU/GPS signal.

#### 84-879171T02

1 meter long harness to extend any NMEA 2000 backbone or Mercury CAN H bus for IMU/GPS signal.

#### 84-879171T03

 $2\,$  meter long harness to extend any NMEA 2000 backbone or Mercury CAN H bus for IMU/GPS signal.

## 84-879171T04

 $3\ meter\ long\ harness\ to\ extend\ any\ NMEA\ 2000\ backbone\ or\ Mercury\ CAN\ H\ bus\ for\ IMU/GPS\ signal.$ 

#### 84-879171T05

 $4\ \text{meter}$  long harness to extend any NMEA 2000 backbone or Mercury CAN H bus for IMU/GPS signal.

#### 84-879171T06

 $5~\rm meter\,long$  harness to extend any NMEA 2000 backbone or Mercury CAN H bus for IMU/GPS signal.

## 84-879171T07

 $6\ meter\ long\ harness\ to\ extend\ any\ NMEA\ 2000\ backbone\ or\ Mercury\ CAN\ H\ bus\ for\ IMU/GPS\ signal.$ 

#### 84-879171T08

7 meter long harness to extend any NMEA 2000 backbone or Mercury CAN H bus for IMU/GPS signal.

#### 84-879171T09

8 meter long harness to extend any NMEA 2000 backbone or Mercury CAN H bus for IMU/GPS signal.

#### 84-879171T10

9 meter long harness to extend any NMEA 2000 backbone or Mercury CAN H bus for IMU/GPS signal.

## 84-879171T11

10 meter long harness to extend any NMEA 2000 backbone or Mercury CAN H bus for IMU/GPS signal.

## **NMEA 2000 STARTER KIT**



#### 8M0110642

Kit includes NMEA 2000 power harness, 1 male termination resistor, 1 female termination resistor and a "T" connector

Whenever a NMEA2000 backbone is required, these are the basic components required to start that architecture

## **NMEA 2000 POWER HARNESS**



#### 84-8M0114012

NMEA 2000 power harness. Overmolded NMEA 2000 connector with fused harness.

Used to provide power to the NMEA 2000 bus.

### NMEA2000 "T" CONNECTOR



## 8M6004829

NMEA2000 architecture requires "T" connectors to connect cable drops from the network to devices.

Useful for any NMEA2000 network application

## **NMEA2000 RESISTOR - FEMALE**



## 8M6004831

NMEA2000 Resistor - Female pins

NMEA2000 networks require two termination resistors: one male and one female

## NMEA2000 RESISTOR - MALE



#### 8M6004830

NMEA2000 Resistor - Male pins

NMEA2000 networks require two termination resistors: one male and one female

#### **NMEA 2000 WEATHER CAP**



#### 86-8M6000708

NMEA 2000 weather cap (male thread in). Used to cap an open connection on NMEA 2000 network.

#### NMEA2000 WEATHER CAP - FEMALE



#### 8M6001762

Replacement weather cap for NMEA2K connector on back of VesselView. Used on VV403, VV502, VV703 and VV903

## **SMARTCRAFT RIGGING KITS**

## **SMARTCRAFT RIGGING KIT**



#### 8M0056278

Kit contains the following:

1257- 8742A21 Oil Tanks with Oil Senders (2) 1257- 8742A21 OII Tarks with Oil Seriders (2) 859223 Speed/Temperature Sensor (1) 84-859743T 1 Haness to oil, fuel and paddle wheel (2) 84-879981T30 SC1000R-30, 30 ft. (9.1 meter) Data Harnesses (2) 878492A16, 6-Plug J Box (1) 859318T 2 Weather Caps (2) 881175A 1 Male Connector Cap (1) 881176A 1 Female Connector Cap (1)

For dual application. Fits 2001-2005 OptiMax Outboards, 2002-2005 V-6 EFI Outboards and Pro Max Mercury Racing Outboards (when equipped with the 555 Electronic Control Module). The oil tank bracket may only be used as a floor mounted application.

#### **SMARTCRAFT ENGINE DATA KIT**



#### 8M0056279

Kit contains the following:
1257- 8742A22 Oil Tank without Oil Sender (1)
79-879896K21 Front Mount SC1000 System Monitor
Data Harness removed for 2006 (84-879982A30) - use new 14 pin harness with

84-896537 series which eliminates the data harness - 10 pin is part of primary engine to helm harness
The oil tank bracket may only be used as a floor mounted application.

Fits 2006 and newer OptiMax Outboards when using new 14 pin harness

## ANALOG TO DIGITAL CONVERSION KIT



#### 859648A 2

Converts an analog to a digital OptiMax. Contains the sensors, harnesses and instructions needed.

Fits 2000 and newer OptiMax 2.5L engines.

## ANALOG TO DIGITAL CONVERSION KIT



#### 859649A 2

Converts an analog to a digital  $\mbox{\rm OptiMax}.$  Contains the sensors, harnesses and instructions needed.

Fits 2000 OptiMax 3.0L engines.

## **OPTIMAX MY2001 ANALOG RIGGING KIT**



#### 8M0078157

Contains necessary components allowing a digital OptiMax to operate analog speedometer, tachometer and water pressure gauges.

Fits OptiMax engines, model year 2001 and newer.

#### **REMOTE 3.0 US GAL (11 L) OIL TANK**



#### 1257- 8742A21

Remote 3.0 US gal (11 L) Oil Tank with sender, complete with tank, lines, floor mounting bracket and all hardware.

## REMOTE 3.0 US GAL (11 L) OIL TANK



## 1257- 8742A22

Remote 3.0 US gal (11 L) Oil Tank without sender, complete with tank, lines, floor mounting bracket and all hardware.

Optional tank size for Mercury/Mariner 2 cycle outboards, to be used wherever a pressurized oil reservoir system is already in use. This tank and bracket assembly is only used in floor mounted applications.

## REMOTE 3.0 US GAL (11 L) OIL TANK



#### 1257- 8742A23

Remote 3.0 US gal (11 L) Oil Tank without sender, complete with tank, lines, mounting bracket and all hardware. Old Bracket Design

Optional tank size for Mercury/Mariner 2 cycle outboards, to be used wherever a pressurized oil reservoir system is already in use. This tank and bracket assembly may be optionally floor or wall mounted.

#### **MECHANICAL SMARTTOW HELM KIT**



#### 8M0101650

SmartTow and Cruise are now available on MerCruiser gas engine platforms that utilize mechanical throttle and shift controls! What was previously only available on DTS applications can now be used on the latest gas engine platforms from MerCruiser

This helm kit requires an engine to helm harness and can be utilized on the applicable marine-specific MerCruiser gas engine platforms developed by Mercury. Also requires a gauge that is Cruise/SmartTow capable. Can be used with Zero Off capable gauges when Zero Off Security token is added. Sinlge engine applications only

## SMARTTOW: ENGINE TO HELM HARNESS



#### 84-8M0101640

Connects the marine-specific MerCruiser gas engine to the helm kit for Cruise/ SmartTow functionality on mechanical engines. Harness is 10 feet Single engine only marine-specific MerCruiser gas engine applications

#### 84-8M0101641

Connects the marine-specific MerCruiser gas engine to the helm kit for Cruise/ SmartTow functionality on mechanical engines. Harness is 15 feet Single engine only marine-specific MerCruiser gas engine applications

#### 84-8M0101642

Connects the marine-specific MerCruiser gas engine to the helm kit for Cruise/ SmartTow functionality on mechanical engines. Harness is 20 feet

Single engine only marine-specific MerCruiser gas engine applications

#### 84-8M0101643

Connects the marine-specific MerCruiser gas engine to the helm kit for Cruise/ SmartTow functionality on mechanical engines. Harness is 25 feet Single engine only marine-specific MerCruiser gas engine applications

#### 84-8M0101644

Connects the marine-specific MerCruiser gas engine to the helm kit for Cruise/ SmartTow functionality on mechanical engines. Harness is 30 feet Single engine only marine-specific MerCruiser gas engine applications

#### SMARTCRAFT AUTHENTICATION DEVICE



#### 8M0105518

Now you can operate applicable MerCruiser engines (mechanical and DTS) with applicable gauges (Medallion, FW Murphy, etc) by using this authentication interface device to enable advanced SmartCraft features.

Mechanical marine-specific MerCruiser gas engines and all DTS engines in conjunction with an applicable third-party SmartCraft gauge that is specifically compatible with this authentication interface device.

## ADD-ON SENSOR RIGGING KITS - MCM

#### RIGGING KIT - MCM W/O STEERING SENSOR



## 891954A05

This kit will allow you to experience all the Smartcraft features. MCM 4.3L, 5.0L, 350 Mag, and MX6.2 MPI Includes Pitot kit, Depth/Temp sensor and boat harness.

## **SPEEDO-PITOT HARNESS**



#### 84-863737T

Required for newer engines that do not have the speedo-pitot harness included with engine harness.

Fits non-DTS smallblock and V-6 MerCruiser engines prior to serial 0W600000.

## STEERING/SPEEDO-PITOT HARNESS



#### 84-863736T

Required for engines that do not have the steering/speedo-pitot harness included with engine harness.

Fits all SmartCraft compatible MerCruiser and Mercury Racing products.

#### TRIM TAB INTERFACE KIT



#### 8M0100069

Shows digital K-Plane trim on SmartCraft Instrumentation For use with digital K-Planes and SmartCraft Instrumentation Mercury Branded

## **ADD-ON SENSOR HARNESSES - MCM**

### PADDLE WHEEL HARNESS



#### 84-864553T

Harness connects paddle wheel to SmartCraft system.

Fits non-DTS smallblock and V-6 MerCruiser engines prior to serial 0W600000.

#### **TRANSOM HARNESS**



## 84-863931A 1

Used to connect Steering/Speedo Sensor Kit 863188A 3 to MCM 4.3L, 5.0L, 5.7L (350Mag) and 6.2L MPI sterndrive engines.

Fits non-DTS smallblock and V-6 MerCruiser engines prior to serial 0W600000.

## **3-PIN TANK HARNESS**



84-864218

Fits older MCM/MIE mechanical engines that are equipped with a 3-pin tank harness connector

## STEERING ANGLE SENSORS

#### STEERING/SPEEDO SENSOR KIT



#### 863188A 3

Provides steering angle and degrees, and speed to SmartCraft instruments so gauge can display steering position and speed - useful when docking. Includes steering/speedo-pitot harness P/N 84-863736, required for newer engines that do not have the steering/speedo-pitot harness included with engine harness. Fits all SmartCraft compatible MerCruiser and Mercury Racing products.

## STEERING SENSOR KIT



863188T 4

Provides steering angle and degrees to SmartCraft instruments so gauge can display steering position - useful when docking.

Fits all SmartCraft compatible MerCruiser and Mercury Racing products.

#### STEERING SENSOR KIT



#### 863188A 5

Provides steering angle and degrees to SmartCraft instruments so gauge can display steering position - useful when docking. Includes steering harness 84-864219 & 84-863931

Fits all SmartCraft compatible MerCruiser and Mercury Racing product . Also used on CMD engines

## **SMARTCRAFT K-PLANES - HARNESSES**

## K-PLANE Y HARNESS



#### 84-895820T02

K-Plane Tab Y harness for dual tabs. Harness from bullet tab sensor to 4 pin tab interface.

#### HARNESS ASSEMBLY



#### 84-898059T15

Tab extension, 15 feet.

Used to extend the harness included with Digital Trim Tabs to plug directly into the harness included with SystemView Race Edition. REQUIRED for all installations with Digital Tabs and SystemView Race Edition EXCEPT Mercury Racing Sterndrives with New Style 14-Pin Engine Harness connector.

### 84-898059T20

Tab extension, 20 feet.

Used to extend the harness included with Digital Trim Tabs to plug directly into the harness included with SystemView Race Edition. REQUIRED for all installations with Digital Tabs and SystemView Race Edition EXCEPT Mercury Racing Sterndrives with New Style 14-Pin Engine Harness connector.

#### 84-898059T25

Tab extension, 25 feet.

Used to extend the harness included with Digital Trim Tabs to plug directly into the harness included with SystemView Race Edition. REQUIRED for all installations with Digital Tabs and SystemView Race Edition EXCEPT Mercury Racing Sterndrives with New Style 14-Pin Engine Harness connector.

## 84-898059T30

Tab extension, 30 feet.

Used to extend the harness included with Digital Trim Tabs to plug directly into the harness included with SystemView Race Edition. REQUIRED for all installations with Digital Tabs and SystemView Race Edition EXCEPT Mercury Racing Sterndrives with New Style 14-Pin Engine Harness connector.



## **ELECTRICAL**

## **SMARTCRAFT GAUGE HARNESSES**

## **SC1000 SYSTEM TACHOMETER HARNESS**



#### 84-879979T11

## 3 ft. (.9 meters) Tachometer Harness

Provides connection to SC1000 System Tachometer, horn and SC100 Series Gauges. Requires the use of SmartCraft Junction Boxes listed in SC1000 Section.

## **SC1000 SYSTEM SPEEDOMETER HARNESS**



#### 84-879978T11

#### 3 ft. (.9 meters) Speedometer Harness

Provides connection to SC1000 System Speedometer, air temp, GPS (0183) and horn. Requires the use of SmartCraft Junction Boxes listed in SC1000 Section. See SC1000 System Speedometer product in SC1000 Section.

## 3 FOOT SMARTCRAFT EXTENSION HARNESS

Image not Available.

#### 84-8M0138593

All 10 pins are populated in this SmartCraft 3 foot extension harness Used to extend SmartCraft connections up to 3 feet

## **HARNESS EXTENSION- 10 PIN**



## 84-8M0058668

This harness extension will allow you to increase the length by 6 feet of the 10 pin drop for instruments. The extension will work with Side Mount controls as well as any 896537 series main engine / boat harness.

## **DIAGNOSTIC HARNESS ADAPTER**



#### 84-859316T 1

Service replacement harness for SmartTach communication. Plugs between diagnostic port and engine harness

#### **DUAL ENGINE INSTRUMENT ADAPTER**



#### 84-892323T01

Allows gauges to be powered from any key switch on dual applications Works with all SmartCraft compatible engines

## TRIPLE ENGINE INSTRUMENT ADAPTER

84-892323T08

Allows gauges to be powered from any key switch on triple applications. Works with all SmartCraft compatible engines

### **QUAD ENGINE INSTRUMENT ADAPTER**



#### 84-898284T01

Allows gauges to be powered from any key switch on triple applications. Works with all SmartCraft compatible engines.

# **SC 100 LINK HARNESSES**

# SYSTEM LINK ADAPTER KIT



#### 84-8M0052774

Kit that drives SC100 Link Gauges from 10 Pin connection at the helm. Contains 10 pin to 3 pin adapter and 3 pin to 3 pin low voltage reset module.

Engine must be capable of providing Tach Link output and gray analog tach wire must be populated in 10 pin connection at helm in order to utilize this kit.

# **SYSTEM LINK RESET HARNESS**



#### 898289T42

Resets SC 100 gauges in the event of voltage drops due to starting engine with a low/weak battery. Use in conjunction with System Link Harness (84-892821K01) SmartCraft SC 100 gauges

# **SC 100 DATA HARNESS**



#### 84-880756T05

6 in. SmartCraft Extension Harness Provides data link extension between SC100 Series products.

# **SC 100 DATA HARNESS**



# 84-880756T 1

1 ft. (.3 meters) SmartCraft Extension Harness Provides data link extension between SC100 Series products.

#### 84-880756T 3

3 ft. (.9 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

#### 84-880756B 3

3 ft. (.9 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

Priced individually, sold @ multiples of 12

#### 84-880756T10

10 ft. (3.0 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

#### 84-880756T30

30 ft. (9.1 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

#### 84-880756B30

30 ft. (9.1 meters) SmartCraft Extension Harness

Provides data link extension between SC100 Series products.

Priced individually, sold @ multiples of 12

# **INSTRUMENT HARNESSES**

Harnesses have ring terminal leads bundled for each gauge.

# **IGNITION HARNESS - NON DTS 14 PIN**



# 84-896537T02

2 ft. harness (896537A02) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15. 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

### 84-896537T08

8 ft. harness (896537A08) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose barness

Analog gauges also require the use of harness 84-892990T01, T10 or T15. 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537T11

11 ft. harness (896537A11) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

Analog gauges also require the use of harness 84-892990101, 110 or 115.

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors

All MCM / MIE engines equiped with 14 pin connectors

### 84-896537T15

15 ft. harness (896537A15) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors

All MCM / MIE engines equiped with 14 pin connectors

# 84-896537T20

20 ft. harness (896537A20) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15. 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

### 84-896537T24

25 ft. harness (896537A24) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537T29

30 ft. harness (896537A29) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness

process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537T40

40 ft. harness (896537A40) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

# HARNESS - NON DTS 14 PIN- ANALOG GAUGE



## 84-892990T01

This harness will connect directly to the non DTS harness at the helm. It will allow you to connect to analog gauges on the dash and allows the choke function to work on the 8/9.9/15/20 FourStroke carbureted outboards with serial numbers beginning with "OR". 5 ft long Used with 84-896537\_\_ harness

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-892990T10

This harness will connect directly to the non DTS harness at the helm. It will allow you to connect to analog gauges on the dash. 10 ft long Used with 84-896537\_harness

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

# 84-892990T15

This harness will connect directly to the non DTS harness at the helm. It will allow you to connect to analog gauges on the dash. 15 ft long Used with 84-896537\_harness

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

# **HARNESS EXTENSION- 10 PIN**



## 84-8M0058668

This harness extension will allow you to increase the length by 6 feet of the 10 pin drop for instruments. The extension will work with Side Mount controls as well as any 896537 series main engine / boat harness.

# **CHOKE HARNESS**



#### 84-896537T99

Allows a 14 pin harness to provide choke function for a carbureted engine when a remote control is used. Use this harness only if there are no gauges to be hooked up.

# **INSTRUMENT HARNESS**



### 84-812475A 3

3 ft.(915 mm) 10 pin harness
Fits 1986 and newer MCM/MIE gasoline engines.

#### 84-812475A20

20 ft.(6.1 m) 10 pin harness

Fits 1986 and newer MCM/MIE gasoline engines.

#### 84-812475A25

25 ft.(7.62 m) 10 pin harness

Fits 1986 and newer MCM/MIE gasoline engines.

# **INSTRUMENT HARNESS**



#### 84-860618

1 m (3.3 ft.) harness, 21 pin Deutsch connector. Fits all diesel models.

# **LIGHT - DASH MOUNTED - CATALYST MALFUNCTION**



#### 8M0046481

Light will go on indicating that a malfunction has ocurred with your catalyst on your engine. This means you will need to get your engine serviced soon. Works similar to your check Engine light in your truck or car. (harness to be sold seperately) Harness numbers for single helms (M0048049,8M0048054,8M0048055,8M0048056,8M0048057,

8M0048058,8M0048059)

Mercruiser products that are equipped with a catalyst

## **OBDM ADAPTER HARNESS (EC)**



## 84-8M0053083

Adapter harness for installation of the OBDM light kit

This adapter is needed for EC engines prior to the base engine harness change. 3.0 Alpha MPI EC (serial number 1A610609 and below), 5.0 Brave DTS MPI EC (serial number 1A612238 and below), 5.0 Alpha MPI EC (serial number 1A610409 and below),350 Mag Bravo EC (serial number 1A610686 and below) and 350 Mag Bravo DTS EC (serial number 1A610698)

### **HARNESS - MALFUNCTION LIGHT**



# 84-8M0048049

This harness is to connect the OBDM malfunction light for single helm applications. 10 ft.

All Mercruiser engines that have a catalyst

### 84-8M0048054

This harness is to connect the OBDM malfunction light for single helm applications. 15 ft.

All Mercruiser engines that have a catalyst

# 84-8M0048055

This harness is to connect the OBDM malfunction light for single helm applications.

All Mercruiser engines that have a catalyst

### 84-8M0048056

This harness is to connect the OBDM malfunction light for single helm applications.

All Mercruiser engines that have a catalyst

### 84-8M0048057

This harness is to connect the OBDM malfunction light for single helm applications. 30 ft.

All Mercruiser engines that have a catalyst

#### 84-8M0048058

This harness is to connect the OBDM malfunction light for single helm applications. 40 ft.

All Mercruiser engines that have a catalyst

#### 84-8M0048059

This harness is to connect the OBDM malfunction light for single helm applications. 50 ft

All Mercruiser engines that have a catalyst

#### **HARNESS - MALFUNCTION LIGHT**



#### 84-8M0048040

This harness is to connect the OBDM malfunction light for dual helm applications. 10 ft.

All Mercruiser engines that have a catalyst

## 84-8M0048043

This harness is to connect the OBDM malfunction light for dual helm applications. 15 ft.

All Mercruiser engines that have a catalyst

#### 84-8M0048044

This harness is to connect the OBDM malfunction light for dual helm applications. 20 ft.

All Mercruiser engines that have a catalyst

### 84-8M0048045

This harness is to connect the OBDM malfunction light for dual helm applications. 25 ft.

All Mercruiser engines that have a catalyst

#### 84-8M0048046

This harness is to connect the OBDM malfunction light for dual helm applications. 30 ft

All Mercruiser engines that have a catalyst

# 84-8M0048047

This harness is to connect the OBDM malfunction light for dual helm applications. 40 ft.

All Mercruiser engines that have a catalyst

# 84-8M0048048

This harness is to connect the OBDM malfunction light for dual helm applications. 50 ft.

All Mercruiser engines that have a catalyst

# **INSTRUMENT EXTENSION HARNESSES (GAS ENGINES)**

Fits 1986 and newer MCM/MIE gasoline engines.

# 3.4L/4.6L REPOWER HARNESS KIT



#### 84-8M0145987

Make easy work of repowering that Oprtimax or Verado to the newer 3.4L V6 or 4.6L V8 Fourstroke engines. Kit contains a wide variety of harnesses: 4 pin depth extension harness, 2 pin clean power extension harness, 2 pin WIF extension harness, 6 pin fuel/paddle extension harness, 14 pin data cable extension harness, 10 pin blue data cable extension harness, 3 pin power steering extension harness and 10 pin male to male gender bender harness

Repower harness kit has a wide variety of harnesses that makes repowering an exisiting Optimax or Verado application with the 3.4L V6 or 4.6L V8 Fourstroke engine easy

## **INSTRUMENT EXTENSION HARNESS**



#### 84-812441A10

10 ft.(3.05 m) harness, 9 lead harness. Used as harness extension or to complete two station installations.

15 ft.(4.57 m) harness, 9 lead harness.

Used as harness extension or to complete two station installations.

# 84-812441A20

20 ft.(6.1 m) harness, 9 lead harness.

Used as harness extension or to complete two station installations.

#### 84-812835A30

30 ft.(9.14 m) harness, 9 lead harness.

Used as harness extension or to complete two station installations.

45 ft.(13.72 m) harness, 9 lead harness.

Used as harness extension or to complete two station installations.

# **INSTRUMENT EXTENSION HARNESSES (DIESEL)**

All 1994-2000 MCM/MIE diesel models (except D-Tronic models) require both an 8 lead and a 9 lead extension harness to connect instumentation to the engine.

# **EXTENSION HARNESS**



## 84-17829A10

10 ft.(3.05 m) harness, 8 lead harness. Used as harness extension or to complete two station installations.

#### 84-17829A20

20 ft.(6.1 m) harness, 8 lead harness.

Used as harness extension or to complete two station installations.

## INSTRUMENT EXTENSION HARNESS



## 84-812441A10

10 ft.(3.05 m) harness, 9 lead harness.

Used as harness extension or to complete two station installations.

15 ft.(4.57 m) harness, 9 lead harness.

Used as harness extension or to complete two station installations.

# 84-812441A20

20 ft.(6.1 m) harness, 9 lead harness.

Used as harness extension or to complete two station installations.

## INSTRUMENT EXTENSION HARNESS



# 84-855390

20 ft.(6 m) harness

Fits (1997-2000) D2.8L and D4.2L Electronic diesel models

## **INSTRUMENT EXTENSION HARNESS**



#### 84-860615002

4 m (13.2 ft.) harness, 21 pin Deutsch connector

Fits D1.7L, 2001 and newer D4.2L, D2.8L and 4.2L ES and EI; 1997 and newer D7.3L ES diesel models.

#### 84-860616002

8 m (26.3 ft.) harness, 21 pin Deutsch connector

Fits MCM/MIE D1.7L; also 2001 and newer D4.2L, D2.8L and 4.2L ES & EI diesel models; also fits 1997 and newer D7.3L Electronic diesel models

# HARNESS ADAPTER



#### 84-860622

21 pin female Deutsche connector to 8 pin & 9 pin female connector

Adapts newer diesel engines with 21 pin Deutsch connector engine harnesses to older diesel engines instrument harness with the 8 pin & 9 pin connectors.

# **HARNESS ADAPTER**



#### 84-860624

Adapts engine harness 84-806389A 2 (used on 1994-1997 D3.0L, D3.6L and D4.2L diesel models) to extension harnesses 84-860615 or 84-860616.

# **HARNESS ADAPTER**



### 84-860625

Adapts engine harness 84-855509 or 84-803626 (used on 1997 & up D2.8L and D4.2L ES and El diesel models) to extension harnesses 84-860615 or 84-860616. 21 pin to 17 pin connector

# **14 PIN DATA HARNESSES**

# **EXTENSION HARNESS - 14 PIN**



#### 84-892451T06

6 ft. (1.8 meter) data harness. Provides data link between DTS engine and command module harness.

Works with all engines equipped with 14-pin connectors.

#### 84-892451T10

10 ft. (3.0 meter) data harness. Provides data link between DTS engine and command module harness.

Works with all engines equipped with 14-pin connectors.

#### 84-892451T15

 $15\ {\rm ft.}\ (4.6\ {\rm meter})\ {\rm data}\ {\rm harness.}\ {\rm Provides}\ {\rm data}\ {\rm link}\ {\rm between}\ {\rm DTS}\ {\rm engine}\ {\rm and}\ {\rm command}\ {\rm module}\ {\rm harness.}$ 

Works with all engines equipped with 14-pin connectors

#### 84-892451T20

20 ft. (6.1 meter) data harness. Provides data link between DTS engine and command module harness.

Works with all engines equipped with 14-pin connectors.

#### 84-892451B20

20 ft. (6.1 meter) data harness. Provides data link between DTS engine and command module harness.
Bulk Pack - 6 harnesses to a box.

Works with all engines equipped with 14-pin connectors.

Priced individually, sold @ multiples of 6

### 84-892451T25

25 ft. (7.6 meter) data harness. Provides data link between DTS engine and command module harness.

Works with all engines equipped with 14-pin connectors.

# 84-892451T30

30 ft. (9.1 meter) data harness. Provides data link between DTS engine and command module harness

Works with all engines equipped with 14-pin connectors.

# 84-8M0149640

35 ft. (10.7 meter) data harness. Provides data link between DTS engine and command modulé harness.

Works with all engines equipped with 14-pin connectors.

# 84-892451T40

40 ft. (12.21 meter) data harness. Provides data link between DTS engine and command module harness.

Works with all engines equipped with 14-pin connectors.

## 14 PIN EXTENSION HARNESS



# 84-8M0131369

5 ft. 14-pin Extension Harness All Diesel Engines

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## 84-8M0131370

10 ft. 14-pin Extension Harness

All Diesel Products

#### 84-8M0131371

15 ft. 14-pin Extension Harness

All Diesel Engines

## 84-8M0131372

20 ft. 14-pin Extension Harness

All Diesel Engines

# 14 PIN EXTENSION HARNESS



#### 84-8M0131373

25 ft. 14-pin Extension Harness

All Diesel Engines

#### 84-8M0131374

30 ft. 14-pin Extension Harness

All Diesel Engines

# 84-8M0131375

35 ft. 14-pin Extension Harness

All Diesel Engines

#### 84-8M0131376

40 ft. 14-pin Extension Harness

All Diesel Engines

# 14 PIN EXTENSION HARNESS



# 84-8M0131377

45 ft. 14-pin Extension Harness

All Diesel Engines

# 84-8M0131378

50 ft. 14-pin Extension Harness

All Diesel Engines

# 84-8M0131379

55 ft. 14-pin Extension Harness

All Diesel Engines

# 84-8M0131380

60 ft. 14-pin Extension Harness

All Diesel Engines

# **DATA HARNESS- 14 PIN (LOW LOSS)**



#### 84-8M0131381

Data harness built for long run installations (10 gage wire - internal power/wake) 70 ft. Provides data link between DTS engine and command module harness.

All 2005 and newer DTS engines (Verado/OptiMax/MCM)

#### 84-8M0131382

Data harness built for long run installations (10 gage wire - internal power/wake) 80 ft. Provides data link between DTS engine and command module harness.

All 2005 and newer DTS engines (Verado/OptiMax/MCM)

#### 84-8M0131383

Data harness built for long run installations (10 gage wire - internal power/wake) 90 ft. Provides data link between DTS engine and command module harness.

All 2005 and newer DTS engines (Verado/OptiMax/MCM)

#### 84-8M0131384

Data harness built for long run installations (10 gage wire - internal power/wake) 100 ft. Provides data link between DTS engine and command module harness. All 2005 and newer DTS engines (Verado/OptiMax/MCM)

## 84-8M0131385

Data harness built for long run installations (10 gage wire - internal power/wake) 110 ft. Provides data link between DTS engine and command module harness. All 2005 and newer DTS engines (Verado/OptiMax/MCM)

#### 84-8M0131386

Data harness built for long run installations (10 gage wire - internal power/wake) 120 ft. Provides data link between DTS engine and command module harness. All 2005 and newer DTS engines (Verado/OptiMax/MCM)

## 14 PIN FEMALE WEATHER CAP



# 8M0126960

Heavy Duty 14 pin Female Weather Cap

Reusable weather cap to be used to protect the integrity of the 14 pin data cable when connections are not able to be immediately made

## 14 PIN MALE WEATHER CAP



#### 8M0126959

Heavy Duty 14 pin Male Weather Cap

Reusable weather cap to be used to protect the integrity of the 14 pin data cable when connections are not able to be immediately made

# 10 PIN (YELLOW) DATA HARNESSES

# CAN DATA HARNESS - 10 PIN - NO RESISTORS DTS (YELLOW)



### 84-879312T44

Contains CAN 1,2, and 3. 1 ft. (0.3 meter) SmartCraft data harness without resistors

Provides data link between SmartCraft System CAN Bus components on DTS applications (Digital Throttle & Shift)

## 84-879312T45

Contains CAN 1,2, and 3. 2 ft. (0.6 meter) SmartCraft data harness without resistors

Provides data link between SmartCraft System CAN Bus components on DTS applications (Digital Throttle & Shift)

#### 84-879312T46

Contains CAN 1,2, and 3. 3 ft. (0.9 meter) SmartCraft data harness without resistors  $\,$ 

Provides data link between SmartCraft System CAN Bus components on DTS applications (Digital Throttle & Shift)

### 84-879312T47

Contains CAN 1,2, and 3. 4 ft. (1.2 meter) SmartCraft data harness without resistors

Provides data link between SmartCraft System CAN Bus components on DTS applications (Digital Throttle & Shift)

# CAN DATA HARNESS - 10 PIN - NO RESISTORS (YELLOW)



# 84-879969T 6

6 ft. (1.8 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components.

#### 84-879969B 6

6 ft. (1.8 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components. Priced individually, sold @ multiples of 6

#### 84-879969T10

10 ft. (3.0 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components.

### 84-879969B10

10 ft. (3.0 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components. Priced individually, sold @ multiples of 6

#### 84-879969T15

15 ft. (4.6 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components.

#### 84-879969T20

20 ft. (6.1 meter) SmartCraft data harness without resistors Provides data link between SmartCraft CAN P, X and H components.

#### 84-879969T30

30 ft. (9.1 meter) SmartCraft data harness without resistors
Provides data link between SmartCraft CAN P, X and H components.

# CAN DATA HARNESS - 10 PIN WITH ONE RESISTOR (YELLOW)



#### 84-879980T10

10 ft. (3.0 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components.

# 84-879980B10

10 ft. (3.0 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components. Priced individually, sold @ multiples of 12

## 84-879980T15

15 ft. (4.6 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components.

# 84-879980B15

15 ft. (4.6 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components. Priced individually, sold @ multiples of 6

# 84-879980T30

30 ft. (9.1 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components.

#### 84-879980B30

30 ft. (9.1 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft CAN P, X and H components. Priced individually, sold @ multiples of 12

# 10 PIN (BLUE) DATA HARNESSES

# CAN DATA HARNESS - 10 PIN NON DTS WITH RESISTORS (BLUE)



## 84-879982T20

20 ft. (6.1 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

# 84-879982B20

20 ft. (6.1 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

Priced individually, sold @ multiples of 12

#### 84-879982T25

25 ft. (7.6 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

#### 84-879982T30

30 ft. (9.1 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

#### 84-879982B30

30 ft. (9.1 meter) SmartCraft data harness with (2) termination resistors Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

Priced individually, sold @ multiples of 12

# CAN DATA HARNESS - 10 PIN - NO RESISTORS NON DTS (BLUE)



#### 84-879968T 6

6 ft. (1.8 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft CAN P Components.

# 84-879968T10

10 ft. (3.0 meter) SmartCraft data harness without resistors and no additional connections

Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

# 84-879968B10

10 ft. (3.0 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components Priced individually, sold @ multiples of 12

#### 84-879968T15

15 ft. (4.6 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

### 84-879968T20

20 ft. (6.1 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

#### 84-879968T25

25 ft. (7.6 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

# 84-879968T30

30 ft. (9.1 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

#### 84-879968B30

30 ft. (9.1 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components Priced individually, sold @ multiples of 12

#### 84-879968T50

50 ft (15.2 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

#### 84-879968T80

80 ft (24.4 meter) SmartCraft data harness without resistors and no additional connections

Provides data link between SmartCraft System CAN Bus Components

# CAN DATA HARNESS - 10 PIN - ONE RESISTOR NON DTS (BLUE)



#### 84-879981T10

10 ft. (3.0 meter) SmartCraft data harness with one resistor
Provides data link between SmartCraft System CAN Bus Components

#### 84-879981T15

15 ft. (4.6 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

#### 84-879981T20

20 ft. (6.1 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

#### 84-879981B20

20 ft. (6.1 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components Priced individually, sold @ multiples of 12

### 84-879981T25

25 ft. (7.6 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

#### 84-879981T30

30 ft. (9.1 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

# 84-879981T50

50 ft. (15.2 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

#### 84-879981T80

80 ft. (24.4 meter) SmartCraft data harness with one resistor Provides data link between SmartCraft System CAN Bus Components

# **ADAPTER HARNESSES - 14 PIN**

# **DUAL HELM ADAPTER KIT- DTS**



#### 84-893330K01

Used with dual stations/ dual helms - Requires one for single-engine installation and two for dual-engine installation. Adapts primary 14-pin data harness to dual helms

# **ADAPTER HARNESSES - 2 PIN**

# 2 PIN LINK HARNESS- CAN



### 84-893452A01

Used to link CAN Networks together.

# 2 PIN "Y" ADAPTER HARNESS - LINK ADAPTER



#### 84-896370T01

Used on DTS engines that require extended length CAN networks.

# **ADAPTER HARNESSES**

# **ADAPTER - NON DTS 14 PIN TO 8 PIN**



#### 84-896539T01

1 ft adapter that allows you to connect a 14 pin (Female) boat harness to an 8 pin (Male) engine connection. Includes bracket and screws

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors

#### 84-896539T05

5 ft adapter that allows you to connect a 14 pin (Female) boat harness to a 8 pin (Male) engine connection. Includes bracket and screws

2006 Non DTS Outboards from 25 Hp to 250 HP- 14 pin connector

#### 84-896539T08

8 ft adapter that allows you to connect a 14 pin (Female) boat harness to a 8 pin (Male) engine connection. Includes bracket and screws 2006 Non DTS Outboards from 25 Hp to 250 HP- 14 pin connector

## **ADAPTER - NON DTS 8 PIN TO 14 PIN**



#### 84-896542T01

1 ft adapter that allows you to connect 8 pin (Female) boat harness to the 14 pin (Male) engine connection. Includes bracket and screws

2006 Non DTS Outboards from 25 Hp to 250 HP- 14 pin connector

#### 84-896542T05

 $5\,\text{ft}$  adapter that allows you to connect  $\,8\,\text{pin}$  (Female) boat harness to the 14 pin (Male) engine connection. Includes bracket and screws

2006 Non DTS Outboards from 25 Hp to 250 HP- 14 pin connector

# ADAPTER - NON DTS 8 PIN TO 14 PIN

# 84-896542T08

8 ft adapter that allows you to connect 8 pin (Female) boat harness to the 14 pin (Male) engine connection. Includes bracket and screws

2006 Non DTS Outboards from 25 Hp to 250 HP- 14 pin connector

# **ADAPTER - NON DTS 10 PIN TO 14 PIN**



#### 84-858740T06

6 ft adapter that allows you to connect 10 pin (Female) boat harness to the 14 pin (Female) engine connection.

2006 Non DTS 75, 90, 115 HP 4 stroke EFI

# **ADAPTER - NON DTS 8 PIN TO 14 PIN**



#### 84-896540T01

3 ft adapter that allows you to connect 8 pin (Male) boat harness to the 14 pin (Male) engine connection.

2005, 2006 - 8/9.9 HP 4 stroke and newer

# ADAPTER - NON DTS 14 PIN TO 8 PIN - 3 FOOT



#### 84-896541T01

 $3\ \text{foot}\ \text{adapter}\ \text{that}\ \text{allows}\ \text{you}\ \text{to}\ \text{connect}\ 14\ \text{pin}\ (\text{Female})\ \text{boat}\ \text{harness}\ \text{to}\ \text{the}\ 8\ \text{pin}\ (\text{Female})\ \text{engine}\ \text{connection}.$ 

2005, 2006 - 8/9.9 HP 4 stroke and newer

# ADAPTER - NON DTS 14 PIN TO 8 PIN - 5 FOOT 84-896541T05

5 foot adapter that allows you to connect 14 pin (Female) boat harness to the 8 pin (Female) engine connection.

2005, 2006 - 8/9.9 HP 4 stroke and newer

# ADAPTER - NON DTS 14 PIN TO 8 PIN - 8 FOOT 84-8M0127018

8 foot adapter that allows you to connect 14 pin (Female) boat harness to the 8 pin (Female) engine connection.

2005, 2006 - 8/9.9 HP 4 stroke and newer

# **ADAPTER - NON DTS 14 PIN TO 8 PIN**



#### 84-892092T01

1 ft adapter that allows you to connect 14 pin (Female) boat harness to the 8 pin (Male) engine connection.

Older Outboards that are SmartCraft compatible engines

## **ADAPTER - NON DTS 10 PIN TO 14 PIN**



#### 84-892444T02

Adapter that allows you to connect engines that have the older 10 pin engine harness to the newer 14 pin helm harness

MCM/MIE engines that have the 10 pin engine harness.

# **ADAPTER - NON DTS 14 PIN TO 10 PIN**



#### 84-866337T01

Adapter that allows you to connect engines that have the newer 14 pin engine harness to the older 10 pin helm harness

MCM/MIE engines that have the 14 pin engine harness. Also used on Race product (outboards only) that have a 14 pin engine harness being connected to a 10 pin helm harness.

# **ADAPTER HARNESS- ANALOG GAUGE - MCM**



# 84-866377T01

Mounts between the 14 pin Command Module harness and the data harness DTS- MCM only

# **ACCESSORY HARNESSES**

# DTS CLEAN POWER - HELM - 10 FOOT



#### 84-8M0127681

10 foot DTS clean power for use at the helm.

All DTS and Joystick applications. When crank batteries are located near the helm or mitigation of excessive voltage drop is desired.

## DTS CLEAN POWER - HELM - 15 FOOT

#### 84-8M0127682

15 foot DTS clean power for use at the helm

All DTS and Joystick applications. When crank batteries are located near the helm or mitigation of excessive voltage drop is desired

## **HARNESS-25 FT CLEAN POWER**



#### 84-896333T25

 $25\ \text{ft.}$  harness. Used to reduce voltage drop when battery is located near the helm of the boat. Connects to junction box at the helm.

Used on all DTS Engines

# **POWER HARNESS-ENGINE**



# 84-8M0113732

15 foot DTS clean power harness. Used when battery is located near the the engine. Connects to 2 pin clean power connector on the engine.

All L4 SC Verados, 200/225 Opti DTS, 20 in. L6 Verados and MCM DTS and EC engines have this harness as part of the engine package. Must order loose for 25 in. and 30 in. L6 Verados.

## **HARNESS - POWER 25 FT**



#### 84-889244T01

25 ft Clean Power harness with heavy gauge (10 ga) wire for lower voltage drop. Use from crank battery to 2 pin connector on engine. DTS and MCM EC engines.

## **ACCESSORY POWER HARNESS / RELAY HARNESS KIT**



#### 84-899785K15

Used to provide accessory power to auxiliary loads when the keyswitch is in the "Run" or "Accessory" positions. Includes 40 amp relay, harness and 15 ft power cable with 40 amp fuse and three pole terminal block.

Used on 14-pin boat harnesses that have a 3-pin accessory power relay connector.

## **ACCESSORY POWER HARNESS / RELAY HARNESS KIT**



## 84-899785K30

Used to provide accessory power to auxiliary loads when the keyswitch is in the "Run" or "Accessory" positions. Includes 40 amp relay, harness and 30 ft power cable with 40 amp fuse and three pole terminal block.

Used on 14-pin boat harnesses that have a 3-pin accessory power relay connector.

# **ACCESSORY POWER HARNESS KIT**



#### 84-899785K04

Accessory power cable is designed to connect battery to terminal block to provide connection point and power auxiliary loads. Includes 30 ft power cable with 40 amp fuse and 3 pole terminal block.

Used on 14-pin boat harnesses that have a 3-pin accessory power relay connector

# **ACCESSORY POWER HARNESS KIT**



#### 84-899785K02

Accessory power cable is designed to connect battery to terminal block to provide connection point and power auxiliary loads. Includes 15 ft power cable with 40 amp fuse and 3 pole terminal block.

Used on 14-pin boat harness's that have a 3-pin accessory power relay connector.

# **ACCESSORY RELAY KIT**



# 84-888429K11

Used in conjunction with accessory power harness to provide power to auxiliary loads.

Used on 14-pin boat harness's that have a 3-pin accessory power relay connector.

# TERMINAL BLOCK



# 86-889679

3 pole terminal block

Useful for up to 40 Amp circuit connections, used in Accessory Power kits

## **ACCESSORY RELAY HARNESS KIT**



#### 84-888429K12

Used to provide accessory power to auxiliary loads. Cable is connected to the junction box and provides power to loads when the key switch in in the "Run" position. Includes 40 amp relay and harness and 3 pole terminal block.

## TVS NOISE SUPPRESSION HARNESS



#### 84-8M0072192

Reduce noisy voltage spikes from Mercury solenoid coils (trim & tab).

Kit contains 2 harnesses that are used across solenoid coils to help reduce electrical noise.

# **JACKPLATE HARNESS ASSEMBLY**



#### 84-881133T 1

Two 5 pin connector harness to 4 bullet (2 male, 2 female) connectors and 3 ring terminals

For jackplate control.

# **IGNITION KEY SWITCHES**

## **KEY SWITCH ASSEMBLY**



#### 54212A 7

3 ft.(915 mm) harness with ring terminals. Mounts in a 2-1/8 in.(54 mm) hole Fits all MCM/MIE gasoline and diesel engines.

# **KEY SWITCH ASSEMBLY**



#### F5H268

For dash mount installations in panels up to 1/2 in.(12.7 mm). "Push to choke" feature

Fits all electric start Force outboards.

## **KEY SWITCH ASSEMBLY**



#### F5H078

For dash mount installations in panels up to 1-7/16 in.(36 mm). "Push to choke" feature.

Fits all electric start Force outboards.

# **KEY SWITCH ASSEMBLY WITH CHOKE**



#### 87-88107A13

3 ft.(915 mm) harness without audio warning horn. Has 6 pin connector that adapts to harness 84-896537K\_ 14 pin harness. 3/4 inch cut out with housing Used with 2 cycle engines that require push to choke feature.

# **KEY SWITCH -4 POSITION**



# 87-893353A02

Four position keyswitch (Off, Accessory, Run and Start) Loose switch only. 7/8 in. cut out

Can be used on DTS as well as non DTS installations

# KEY SWITCH KIT - 4 POSITION W/MOUNTING HARDWARF



#### 87-893353A03

Four position keyswitch (Off, Accessory, Run and Start) Includes keyswitch , key cover, bezel, 2 1/8 in. Dia. mounting housing and mounting hardware. 7/8 in. cut out

Can be used on DTS as well as non DTS installations

# **KEY SWITCH KIT - 4 POSITION MATCHED KEYS-DUALS**



#### 87-893353A04

Four position keyswitch- dual engines (Off, Accessory, Run and Start) Includes matched keyswitch , key cover, bezel, 2 1/8 in. Dia. mounting housing and mounting hardware. 7/8 in. cut out.

Dual engine - matched key set. Can be used on DTS as well as non DTS installations

# **KEY SWITCH KIT - 4 POSITION MATCHED KEYS-DUALS**



# 87-893353T04

Four position keyswitch- dual engines (Off, Accessory, Run and Start) Includes matched keyswitch and mounting hardware. 7/8 in. cut out. Does not include housing

Dual engine - matched key set. Can be used on DTS as well as non DTS installations

# KEY SWITCH KIT - 4 POSITION MATCHED KEYSTRIPI FS

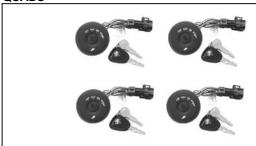


#### 87-893353A05

Four position keyswitch- triple engines (Off, Accessory, Run and Start) Includes matched keyswitch , key cover, bezel, 2 1/8 in. Dia. mounting housing and mounting hardware. 7/8 in. cut out.

Triple engine - matched key set

# KEY SWITCH KIT - 4 POSITION MATCHED KEYS-QUADS



## 87-893353A06

Four position keyswitch-Quad engines (Off, Accessory, Run and Start) Includes matched keyswitch, key cover, bezel, 2 1/8 in. Dia. mounting housing and mounting hardware. 7/8 in. cut out.

Quad engine - matched key set

# **KEY SWITCH -3 POSITION WITH DECAL/WASHER**



#### 87-897716K01

Three position keyswitch with shorter key and mounting length (Off, Run and Start) Loose switch only. 3/4 in. cut out. Includes switch with decal and washer. Can be used on DTS as well as Non DTS installations.

## **KEY SWITCH -3 POSITION WITH DECAL/WASHER**



#### 87-897716K02

Three position keyswitch with shorter key and mounting length (Off, Run and Start) Loose switch only. 3/4 in. cut out. Includes switch with decal and washer. Matched set for dual engine installs

Can be used on DTS as well as Non DTS installations. Matched keyswitches for dual installations

# **KEY SWITCH -3 POSITION WITH DECAL/WASHER**



#### 87-897716K03

Three position keyswitch with shorter key and mounting length (Off, Run and Start) Loose switch only. 3/4 in. cut out. Includes switch with decal and washer. Matched Key set for Triple engine installs

Can be used on DTS as well as Non DTS installations. Matched keyswitches for Triple installations

### **KEY SWITCH -3 POSITION WITH DECAL/WASHER**



# 87-897716K04

Three position keyswitch with shorter key and mounting length (Off, Run and Start) Loose switch only. 3/4 in. cut out. Includes switch with decal and washer. Matched Key set for Quad engine installs

Can be used on DTS as well as Non DTS installations. Matched keyswitches for Quad installations

# **KEY SWITCH -3 POSITION HOUSING**



#### 879305A01

New keyswitch housing kit for 897716 series 3 position keyswitch. Kit includes 2 inch (52 MM) housing with mounting disc and bezel. Spin nut included in kit for easy mounting. (Key Switch is not included in this kit)

Can be used on DTS as well as Non DTS installations.

# **KEY SWITCH EXTENSION - NO CRANK - 5 FOOT**



#### 84-896691T05

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 5 foot length

Used on all DTS engines.

# **KEY SWITCH EXTENSION - NO CRANK - 10 FOOT**

#### 84-896691T10

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 10 foot length

Used on all DTS engines.

#### KEY SWITCH EXTENSION - NO CRANK - 15 FOOT 896691T15

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 15 foot length

Used on all DTS engines.

# **KEY SWITCH EXTENSION - NO CRANK - 20 FOOT**



# 84-879312T77

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 20 foot length

Used on all DTS engines.

# KEY SWITCH EXTENSION - NO CRANK - 30 FOOT

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 30 foot length

Used on all DTS engines.

# **KEY SWITCH EXTENSION - NO CRANK - 40 FOOT**

#### 84-879312T79

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 40 foot length

Used on all DTS engines.

# **KEY SWITCH EXTENSION - NO CRANK - 50 FOOT**

#### 84-879312T80

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 50 foot length

Used on all DTS engines.

# **KEY SWITCH EXTENSION - NO CRANK - 60 FOOT**

#### 84-879312T81

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 60 foot length

Used on all DTS engines.

# **KEY SWITCH EXTENSION - NO CRANK - 70 FOOT**

#### 84-879312T82

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 70 foot length

Used on all DTS engines.

# **KEY SWITCH EXTENSION - NO CRANK - 80 FOOT**

# 84-879312T83

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 80 foot length

Used on all DTS engines.

#### **DECAL/WASHER KIT- 3 POSITION KEY SWITCH**



### 899203A01

Used with 87-897716 when not supplied in harness kit

## **KEY SWITCH ASSEMBLY**



# 87-88107A 3

 $3 \, \text{ft.} (915 \, \text{mm})$  harness without audio warning horn. Has bullet connectors that adapt to harness  $84\text{-}84711 \, \text{M}$ .

Fits (Japanese origin) Mariner 30, 40 (2 cyl. - w/o integral oil injection) and 55 (2 cyl.) outboards used with optional remote controls.

## **KEY SWITCH KIT**



## 87-88107A 5

# **KEY SWITCH KIT**



## 87-88107A10

Three position keyswitch (Off, Run and Start) Includes keyswitch and mounting hardware.

2004 OptiMax 225 DTS outboards and 496 Mag MerCruiser DTS sterndrive and inboard engines.

## **KEY SWITCH ASSEMBLY WITH CHOKE**



# 87-88107A13

3 ft.(915 mm) harness without audio warning horn. Has 6 pin connector that adapts to harness 84-896537K\_ 14 pin harness. 3/4 inch cut out with housing Used with 2 cycle engines that require push to choke feature.

## **KEY SWITCH KIT**



## 87-88107T12

Three position keyswitch (Off, Run and Start) Push to Choke Keyswitch Used with 2 cycle engines that require push to choke feature.

## **KEY SWITCH KIT**



#### 87-893449T01

3 position Key Switch Kit

# **IGNITION KEY SWITCH WITH HARNESSES**

Mounts in a 2-1/8 in.(54 mm) hole. Includes warning horn and electrical connections for power trim, instrumentation and lanyard stop switch.

# **KEY SWITCH W/ HARNESS**



## 84-816626A 2

2 ft.(610 mm) harness with audio warning horn.

Fits Mercury/Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury / Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

# 84-816626A 8

8 ft.(2.44 m) harness with audio warning horn.

Fits Mercury/Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury/Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

#### 84-816626A11

11 ft.(3.35 m) harness with audio warning horn.

Fits Mercury/Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury/Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

# 84-816626A15

15 ft.(4.57 m) harness with audio warning horn.

Fits Mercury/Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury/Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

# 84-816626A20

20 ft.(6.1 m) harness with audio warning horn.

Fits Mercury/Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury/Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

# **ELECTRICAL**

#### 84-816626A24

25 ft.(7.6 m) harness with audio warning horn.

Fits Mercury / Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury / Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives. When used with MY2005 and newer 8/9.9 hp. FourStroke outboards an adapter harness 892473A01 is required.

#### 84-816626A25

25 ft.(7.6 m) harnesses with audio warning horn. Packaged with 2 harnesses with matched keys for dual engine applications.

Fits Mercury / Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury / Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives.

#### 84-816626A29

30 ft.(9.1 m) harnesses with audio warning horn.

Fits Mercury / Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury / Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives.

### 84-816626A30

30 ft.(9.1 m) harnesses with audio warning horn. Packaged with 2 harnesses with matched keys for dual engine applications.

Fits Mercury / Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury / Mariner 4-Stroke (USA Origin) outboards, Force 40 hp. and Higher (1993 and Newer) and Mercury Jet Drives.

# **8 PIN KEY SWITCH AND IGNITION HARNESS**



#### 84-8M0125748

2 foot harness with horn, push to choke key switch, instrumentation connector, trim connector and lanyard connector

Connects to 8 pin AMP connector engines (8/9.9 HP FourStrokes and similar) -Single Engine Application.

# 84-8M0125749

 $8\ \text{foot harness}$  with horn, push to choke key switch, instrumentation connector, trim connector and lanyard connector

Connects to 8 pin AMP connector engines (8/9.9 HP FourStrokes and similar) -Single Engine Application.

## 84-8M0125750

11 foot harness with horn, push to choke key switch, instrumentation connector, trim connector and lanyard connector

Connects to 8 pin AMP connector engines (8/9.9 HP FourStrokes and similar) -Single Engine Application.

# 84-8M0125751

15 foot harness with horn, push to choke key switch, instrumentation connector, trim connector and lanyard connector

Connects to 8 pin AMP connector engines (8/9.9 HP FourStrokes and similar) -Single Engine Application.

#### 84-8M0125752

20 foot harness with horn, push to choke key switch, instrumentation connector, trim connector and lanyard connector

Connects to 8 pin AMP connector engines (8/9.9 HP FourStrokes and similar) -Single Engine Application.

## 84-8M0125753

 $25\ \text{foot}$  harness with horn, push to choke key switch, instrumentation connector, trim connector and lanyard connector

Connects to 8 pin AMP connector engines (8/9.9 HP FourStrokes and similar) -Single Engine.

#### 84-8M0125755

30 foot harness with horn, push to choke key switch, instrumentation connector, trim connector and lanyard connector

Connects to 8 pin AMP connector engines (8/9.9 HP FourStrokes and similar) single engine.

# **8 PIN KEY SWITCH AND IGNITION HARNESS**



#### 84-8M0125754

25 foot harness with horns, push to choke key switches, instrumentation connectors, trim connectors and lanyard connectors

Connects to 8 pin AMP connector engines (8/9.9 HP FourStrokes and similar) Dual Engine Application.

## 84-8M0125756

30 foot harness with horns, push to choke key switches, instrumentation connectors, trim connectors and lanyard connectors

Connects to 8 pin AMP connector engines (8/9.9 HP FourStrokes and similar). Dual Engine Application.

# **KEY SWITCH W/ HARNESS - NON DTS 14 PIN**



# 84-896537K02

2 ft. harness (896537A02) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch. (897716) 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537K08

8 ft. harness (896537A08) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch. (897716) 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors.

# 84-896537K11

11 ft. harness (896537A11) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch. (897716)

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors.

# 84-896537K15

15 ft. harness (896537A15) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch. (897716)

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors.

#### 84-896537K20

20 ft. harness (896537A20) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch. (897716)

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537K24

25 ft. harness (896537A24) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch. (897716)

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537K25

2 each of 25 ft. harness (896537A24) with new 14 pin connector for the dual engine applications and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch (Matched keyswitch for dual engine applications). (897716K02)

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537K29

30 ft. harness (896537A29) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch. (897716)

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537K30

2 each of 30 ft. harness (896537A29) with new 14 pin connector for the dual engine applications and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch (Matched keyswitch for dual engine applications). (897716K02)

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537K40

40 ft. harness (896537A40) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Included in this kit is also the new 3 position water-proof high quality keyswitch. (897716)

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

# **IGNITION HARNESS - NON DTS 14 PIN**



#### 84-896537T02

2 ft. harness (896537A02) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15. 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537T08

8 ft. harness (896537A08) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15. 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537T11

11 ft. harness (896537A11) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors

All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537T15

15 ft. harness (896537A15) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537T20

20 ft. harness (896537A20) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15. 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

#### 84-896537T24

25 ft. harness (896537A24) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

Analog gauges also require the use of harness 84-892990T01, T10 or T15. 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

## 84-896537T29

30 ft. harness (896537A29) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15. 2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

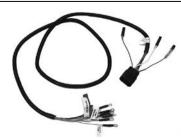
#### 84-896537T40

40 ft. harness (896537A40) with new 14 pin connector for the engine and additional connectors that allow easy quick connect solutions to the rigging process. Loose harness.

Analog gauges also require the use of harness 84-892990T01, T10 or T15.

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

# HARNESS - NON DTS 14 PIN- ANALOG GAUGE



#### 84-892990T01

This harness will connect directly to the non DTS harness at the helm. It will allow you to connect to analog gauges on the dash and allows the choke function to work on the 8/9.9/15/20 FourStroke carbureted outboards with serial numbers beginning with "OR". 5 ft long Used with 84-896537\_\_ harness

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

# 84-892990T10

This harness will connect directly to the non DTS harness at the helm. It will allow you to connect to analog gauges on the dash. 10 ft long Used with 84-896537\_harness

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

# 84-892990T15

This harness will connect directly to the non DTS harness at the helm. It will allow you to connect to analog gauges on the dash. 15 ft long Used with 84-896537\_\_ harness

2006 and newer Non DTS Outboards from 25 Hp to 250 HP- 14 Pin Connectors All MCM / MIE engines equiped with 14 pin connectors

# **HARNESS EXTENSION- 10 PIN**



#### 84-8M0058668

This harness extension will allow you to increase the length by 6 feet of the 10 pin drop for instruments. The extension will work with Side Mount controls as well as any 896537 series main engine / boat harness.

# TRANSOM MOUNTED IGNITION KEYSWITCH

A transom mounted keyswitch allowing for activation of the starter solenoid, a choke or enrichner valve.

#### TRANSOM MOUNTED IGNITION KEYSWITCH



#### 15000A 7

Includes a push-to-choke function and a warning horn. Has a 6 ft. (182 cm) cable length. Has an 8 pin engine connector.

Fits many varying outboards and applications through Model Year 2005 where a keyswitch with warning horn and choke (enrichner) function is desired. Outboards require a remote control engine harness be used in conjunction with this switch in order for it to function. Warning horn feature is not present on all model outboards.

# TRANSOM MOUNTED IGNITION KEYSWITCH



# 15000A14

Includes a push-to-choke function and a warning horn. Has a 6 ft. (182 cm) cable length. Has the 14 pin engine connector.

Fits many varying outboards and applications beginning in Model Year 2006 where a keyswitch with warning horn and choke (enrichner) function is desired. Outboards require a remote control engine harness be used in conjunction with this switch in order for it to function. Warning horn feature is not present on all model outboards.

## TRANSOM MOUNTED IGNITION KEYSWITCH



#### 47974A10

Has key start and choke functions but no warning horn circuit. Cable length is 5 ft. (152 cm).

Fits the 30/40 hp. 2 cycle outboards of Japanese origin that do not have oil injection.

## TRANSOM MOUNTED IGNITION KEYSWITCH



#### 87-8M0090402

Includes a key function and a warning horn. Has a 6 ft. (182 cm) cable length. Has a 14 pin engine connector.

Fits EFI outboards and applications after Model Year 2006 where a keyswitch with warning horn is desired. Outboards require a remote control engine harness be used in conjunction with this switch in order for it to function. Warning horn feature is not present on all model outboards. For EFI models only (14 pin connector engine) DOES NOT HAVE PUSH TO CHOKE

# **START / STOP SWITCHES**

## SINGLE ENGINE START/STOP PAD



# 87-8M0117131

Dash mount single engine start/stop pad which allows start and stop of engine with keyswitch in the RUN position.

Can be used on all single engine DTS applications

# **DUAL ENGINE START/STOP PAD**



#### 87-8M0117132

Dash mount dual engine start/stop pad which allows start and stop of engines with keyswitches in the RUN position.

Can be used on all dual engine DTS applications

# TRIPLE ENGINE START/STOP PAD



## 87-8M0117133

Dash mount triple engine start/stop pad which allows start and stop of engines with keyswitches in the RUN position.

Can be used on all triple engine DTS applications.

# **QUAD ENGINE START/STOP PAD - STBD**



#### 87-8M0117134

Dash mount quad engine start/stop pad (STBD) which allows start and stop of engines with keyswitches in the RUN position.

Can be used on all quad engine DTS applications (STBD)

# QUAD ENGINE START/STOP PAD - PORT



# 87-8M0117135

Dash mount quad engine start/stop pad (PORT) which allows start and stop of engines with keyswitches in the RUN position.

Can be used on all quad engine DTS applications (PORT)

# SINGLE ENGINE START/STOP PAD



#### 87-8M0117136

Low profile mount single engine start/stop pad which allows start and stop of engine with keyswitch in the RUN position.

Can be used on all single engine DTS applications

# **DUAL ENGINE START/STOP PAD**



## 87-8M0117137

Low profile mount dual engine start/stop pad which allows start and stop of engines with keyswitches in the RUN position.

Can be used on all dual engine DTS applications

# TRIPLE ENGINE START/STOP PAD



#### 87-8M0117138

Low profile mount triple engine start/stop pad which allows start and stop of engines with keyswitches in the RUN position.

Can be used on all triple engine DTS applications

# **QUAD ENGINE START/STOP PAD - STARBOARD**



# 87-8M0117139

Low profile mount quad engine start/stop pad (STBD) which allows start and stop of engines with keyswitches in the RUN position.

Can be used on all quad engine DTS applications (STBD)

# **QUAD ENGINE START/STOP PAD - PORT**



#### 87-8M0117140

Low profile mount quad engine start/stop pad (PORT) which allows start and stop of engines with keyswitches in the RUN position.

Can be used on all quad engine DTS applications (PORT)

## **BEZEL**



## 879315T01

Black

Start/Stop switch kit, flush mount. For single, dual, triple and quad application.

# **BEZEL**



# 879315T02

White

Start/Stop switch kit, flush mount. For single, dual, triple and quad application.

# **BEZEL**



# 879315T03

Chrome

Start/Stop switch kit, flush mount. For single, dual, triple and quad application.

# START/STOP EXTENSION HARNESS



## 84-896380T05

5 ft. Allows you to extend the harness an extra 5 ft from the start/stop button Used on all DTS engines.

# **KEY SWITCHES**

# **KEY SWITCH -3 POSITION WITH DECAL/WASHER**



## 87-897716K01

Three position keyswitch with shorter key and mounting length (Off, Run and Start) Loose switch only. 3/4 in. cut out. Includes switch with decal and washer. Can be used on DTS as well as Non DTS installations.

# **KEY SWITCH -3 POSITION WITH DECAL/WASHER**



# 87-897716K02

Three position keyswitch with shorter key and mounting length (Off, Run and Start) Loose switch only. 3/4 in. cut out. Includes switch with decal and washer. Matched set for dual engine installs

Can be used on DTS as well as Non DTS installations. Matched keyswitches for dual installations

# **KEY SWITCH -4 POSITION**



#### 87-893353A02

Four position keyswitch (Off, Accessory, Run and Start) Loose switch only. 7/8 in. cut out

Can be used on DTS as well as non DTS installations

# KEY SWITCH KIT - 4 POSITION W/MOUNTING HARDWARE



#### 87-893353A03

Four position keyswitch (Off, Accessory, Run and Start) Includes keyswitch , key cover, bezel, 2 1/8 in. Dia. mounting housing and mounting hardware. 7/8 in. cut out

Can be used on DTS as well as non DTS installations

# **KEY SWITCH KIT - 4 POSITION MATCHED KEYS-DUALS**



#### 87-893353A04

Four position keyswitch- dual engines (Off, Accessory, Run and Start) Includes matched keyswitch, key cover, bezel, 2 1/8 in. Dia. mounting housing and mounting hardware. 7/8 in. cut out.

Dual engine - matched key set. Can be used on DTS as well as non DTS installations

# KEY SWITCH KIT - 4 POSITION MATCHED KEYSTRIPLES

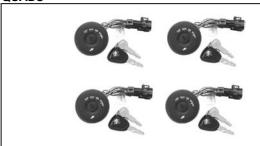


#### 87-893353A05

Four position keyswitch- triple engines (Off, Accessory, Run and Start) Includes matched keyswitch , key cover, bezel, 2 1/8 in. Dia. mounting housing and mounting hardware. 7/8 in. cut out.

Triple engine - matched key set

# KEY SWITCH KIT - 4 POSITION MATCHED KEYS-QUADS



## 87-893353A06

Four position keyswitch-Quad engines (Off, Accessory, Run and Start) Includes matched keyswitch , key cover, bezel, 2 1/8 in. Dia. mounting housing and mounting hardware. 7/8 in. cut out.

Quad engine - matched key set

# KEY SWITCH KIT - 4 POSITION MATCHED KEYS - QUINTS



# 87-8M0077850

Four position keyswitch-Quint engines (Off, Accessory, Run and Start) Includes matched keyswitch , key cover, bezel, 2 1/8 in. Dia. mounting housing and mounting hardware. 7/8 in. cut out.

Quint engine - matched key set

# **KEY SWITCH EXTENSION - NO CRANK - 5 FOOT**



#### 84-896691T05

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 5 foot length Used on all DTS engines.

# KEY SWITCH EXTENSION - NO CRANK - 10 FOOT

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 10 foot length

Used on all DTS engines.

### KEY SWITCH EXTENSION - NO CRANK - 15 FOOT 896691T15

This extension is used when the remote mounting a keyswitch (no crank possible). Only has off/on functions - 15 foot length

Used on all DTS engines.

# **IGNITION KEYS - NUMERIC**

To order correct key, convert the number stamped on your key to a part number.

# REPLACEMENT IGNITION KEY



# 30431104

Key stamped with "104"

Priced individually, sold @ multiples of 2

#### 30431108

Key stamped with "108"

Priced individually, sold @ multiples of 2

### 30431123

Key stamped with "123"

Priced individually, sold @ multiples of 2

# 30431124

Key stamped with "124"

Priced individually, sold @ multiples of 2

#### 30431125

Key stamped with "125'

Priced individually, sold @ multiples of 2

# 30431126

Key stamped with "126"

Priced individually, sold @ multiples of 2

# 30431127

Key stamped with "127"

Priced individually, sold @ multiples of 2

### 30431128

Key stamped with "128"

Priced individually, sold @ multiples of 2

#### 30431129

Key stamped with "129"

Priced individually, sold @ multiples of 2

## 30431130

Key stamped with "130"

Priced individually, sold @ multiples of 2

#### 30431131

Key stamped with "131"

Priced individually, sold @ multiples of 2

#### 30431132

Key stamped with "132"

Priced individually, sold @ multiples of 2

#### 30431133

Key stamped with "133"

Priced individually, sold @ multiples of 2

#### 30431134

Key stamped with "134"

Priced individually, sold @ multiples of 2

# **ALPHA/NUMERIC KEY CHART**

# Key Chart A - Alpha/Numeric Keys

Key Number	Part Number	Status
1A	89491 1	Active
1B	89491 2	Active
1C	89491 3	Active
1D	89491 4	Active
1E	89491 5	Active
1F	89491 6	Active
2A	89491 7	Active
2B	89491 8	Active
2C	89491 9	Active
2D	89491 10	Active
2E	89491 11	Active
2F	89491 12	Active

# IGNITION KEYS - 4 POSITION - BASE NUMBER 893353 KEY SWITCH

To order correct key, convert the number stamped on your separate plate for part number.

# REPLACEMENT IGNITION KEY



# 896919951

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #951

#### 896919952

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #952

#### 896919953

Replacement for new 4 position Key switch (893353A\_\_ series) Number is on metal plate that comes with keys- #953

#### 896919954

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys-#954

## 896919955

Replacement for new 4 position Key switch (893353A\_\_ series) Number is on metal plate that comes with keys- #955

#### 896919956

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #956

#### 896919957

Replacement for new 4 position Key switch (893353A\_\_ series) Number is on metal plate that comes with keys- #957

#### 896919958

Replacement for new 4 position Key switch (893353A $\_$  series) Number is on metal plate that comes with keys- #958

#### 896919959

Replacement for new 4 position Key switch (893353A\_\_ series) Number is on metal plate that comes with keys- #959

#### 896919960

Replacement for new 4 position Key switch (893353A\_\_ series) Number is on metal plate that comes with keys-#960

#### 896919961

Replacement for new 4 position Key switch (893353A\_\_ series) Number is on metal plate that comes with keys- #961

#### 896919962

Replacement for new 4 position Key switch (893353A\_\_ series) Number is on metal plate that comes with keys- #962

### 896919963

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #963

# 896919964

Replacement for new 4 position Key switch (893353A\_\_ series) Number is on metal plate that comes with keys- #964

# 896919965

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #965

# 896919966

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #966

# 896919967

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #967

#### 896919968

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #968

# 896919969

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #969

# 896919970

Replacement for new 4 position Key switch (893353A\_ series) Number is on metal plate that comes with keys- #970

# IGNITION KEYS - 3 POSITION - BASE NUMBER 897716 KEY SWITCH

To order correct key, convert the number stamped on your key to a part number

# REPLACEMENT IGNITION KEYS



#### 87-897716451

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys

#### 87-897716457

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #457

#### 87-897716460

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #460

#### 87-897716461

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #461

# 87-897716462

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #462

### 87-897716463

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #463

#### 87-897716821

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #821

## 87-897716827

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #827

# 87-897716830

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #830

# Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #831

87-897716832
Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #832

# 87-897716833

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #833

# 87-897716841

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #841

# 87-897716847

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #847

#### 87-897716850

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #850

# 87-897716851

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #851

# 87-897716852

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #852

## 87-897716853

Replacement keys for 3 position 87-897716 key switch. Number is on plate that comes with original keys #853

# **NUMERIC KEY CHART**

# **Key Chart B - Numeric Keys**

Key Number	Part Number	Status
101	30431101	N.L.A.
102	30431102	N.L.A.
103	30431103	N.L.A.
104	30431104	Active
105	30431105	Active
106	30431106	Active
107	30431107	N.L.A.
108	30431108	Active
109	30431109	Active
110	30431110	N.L.A.
111	30431111	N.L.A.
112	30431112	N.L.A.
113	30431113	Active
114	30431114	N.L.A.
115	30431115	N.L.A.
116	30431116	Active
117	30431117	Active
118	30431118	Active
119	30431119	Active
120	30431120	Active
121	30431121	N.L.A.
122	30431122	Active
123	30431123	Active
124	30431124	Active
125	30431125	Active
126	30431126	Active
127	30431127	Active
128	30431128	Active
129	30431129	Active
130	30431130	Active
131	30431131	Active
132	30431132	Active
133	30431133	Active
134	30431134	Active

# **MARINER UNIQUE IGNITION KEYS**

To order correct key, convert the number stamped on your key to a Quicksilver part number. Fits Mariner (Japanese Origin) dash mounted key panels

# REPLACEMENT IGNITION KEY



# 13294451

Key stamped with "451"

Priced individually, sold @ multiples of 2

# 13294457

Key stamped with "457"

Priced individually, sold @ multiples of 2

# **MARINER UNIQUE IGNITION KEY CHART**

# **Key Chart C**

Key Number	Part Number	Status
111	93092M	N.L.A.
112	93093M	N.L.A.
113	93094M	N.L.A.
121	93095M	Active
122	93096M	N.L.A.
123	93097M	Active
221	93078M	N.L.A.
222	93079M	N.L.A.
223	93080M	N.L.A.
224	93081M	N.L.A.
225	93082M	N.L.A.
226	93083M	N.L.A.
227	93084M	N.L.A.
228	93085M	N.L.A.
229	93086M	N.L.A.
230	93087M	N.L.A.
231	93088M	N.L.A.
232	93089M	N.L.A.
233	93090M	N.L.A.
234	93091M	N.L.A.
451	13294451	Active
452	13294452	N.L.A.
453	13294453	Active
454	13294454	N.L.A.
455	13294455	Active
456	13294456	Active
457	13294457	Active
458	13294458	Active
459	13294459	Active

594

Key Number	Part Number	Status
460	13294460	N.L.A.
461	13294461	Active
462	13294462	Active
463	13294463	Active
464	13294464	Active
465	13294465	Active
466	13294466	Active
467	13294467	N.L.A.
468	13294468	Active
469	13294469	N.L.A.
470	13294470	Active

# FORCE UNIQUE IGNITION KEYS

To order correct key, convert the number stamped on your key to a Quicksilver part number. Fits Force Ignition switches 1992 and prior.

# REPLACEMENT IGNITION KEY



817782 1
Key stamped with "A" or not stamped with anything.
817883 1
Key stamped with "B"
817891 1
Key stamped with "C"
817928 1
Key stamped with "D"
817929 1
Key stamped with "E"
819012
Key stamped with "51"
819013
Key stamped with "55"
819014
Key stamped with "65"
819015
Key stamped with "66"
819016
Key stamped with "67"

# FORCE UNIQUE IGNITION KEY CHART

# **Key Chart D**

Key Number	Part Number	Status
Not Stamped	817782 1	Active
A	817782 1	Active
В	817883 1	Active
С	817891 1	Active
D	817928 1	Active

Key Number	Part Number	Status
E	817929 1	Active
51	819012	Active
55	819013	Active
65	819014	Active
66	819015	Active
67	819016	Active

# **IGNITION KEY COVER**

# **BLACK PLASTIC KEY COVER**



# 90468A 1

Fits most ignition switch keys

# **LANYARD STOP SWITCHES**

Lanyard cord attaches to the toggle switch or cap and boat driver. When switch toggles or cap pulls off switch, the ignition is interrupted and the engine shuts down.

# **LANYARD STOP SWITCH**



# 87-19674A05

 $5\ ft.(1.53\ m)$  harness. Surface mount or flush mount. Used when mounting controls with no lanyard switch included

MCM/MIE engines. Do not use on DTS engines

# **LANYARD STOP SWITCH**



## 87-19674A06

5 ft.(1.53 m) harness. 2 inch cut out with Black bezel. Used when mounting controls with no lanyard switch included.
Chrome bezel optional - order separate.

MCM/MIE engines. Do not use on DTS engines

# LANYARD STOP SWITCH



#### 87-19674A07

 $5\,\text{ft.}(1.53\,\text{m})$  harness. Surface or Flush mount. Used when mounting controls with no lanyard switch included

Used on Outboards and DTS engines

# **LANYARD STOP SWITCH**



#### 87-19674A08

5 ft.(1.53 m) harness. 2 inch cut out with Black bezel. Used when mounting controls with no lanyard switch included. Chrome bezel optional - order separate.

Used on Outboards and DTS engines

# LANYARD STOP SWITCH - DUAL FLUSH MOUNT



## 87-814324A 2

Dual engine kit. 5 ft.(1.53 m) harness. Surface mount or flush mount. Used when mounting controls with no lanyard switch included

Used on Non DTS MCM/MIE Engine - See 87-19674A12 and A13 for OB/DTS Installations

## **LANYARD STOP SWITCH**

## 87-814324B 2

Dual engine kit. 5 ft.(1.53 m) harness. Surface mount or flush mount. (Bulk) Used when mounting controls with no lanyard switch included

Priced individually, sold @ multiples of 24

# LANYARD STOP SWITCH -DUAL FLUSH MOUNT



#### 87-19674A12

 $5\,\text{ft.}(1.53\,\text{m})$  harness. Surface or Flush mount. Used for Dual Engine installations Used on Outboards and DTS engines

## LANYARD STOP SWITCH -DUAL BEZEL 2 INCH



#### 87-19674A13

5 ft.(1.53 m) harness. 2 inch cut out with Black bezel. Used with dual engine installations.

Chrome bezel optional - order separate.
Used on Outboards and DTS engines

# **QUAD ENGINE LANYARD HARNESS KIT**



#### 84-895725A03

Multiple engine connections to lanyard switches. Use for Quad engine installations Used on Non DTS MCM/MIE Engines - See 87-19674A14 and A15 for OB and DTS installations

# **LANYARD STOP SWITCH - TRIPLE FLUSH MOUNT**

Image not Available.

# 8M0139419

Flush mount lanyard stop switch kit Triple engine applications

# LANYARD STOP SWITCH - QUAD FLUSH MOUNT 8M0139420

Flush Mount lanyard stop switch kit Quad engine applications

# LANYARD STOP SWITCH



#### 87-823037A04

Fits Mercury/Mariner 2.5, 3.3, 4, 5 hp (U.S. S/N 0A809601 and above; Belgium S/N 9589154 and above) and 4/5/6 FourStroke.

# LANYARD STOP SWITCH



## 87-856654A 2

3-1/2 in.(89 mm) wires, does not include cap. Normally closed switch Fits Mercury/Mariner outboards.

# LANYARD STOP SWITCH



# 87-8**56654A** 4

20 ft.(6.2 m) harness. Includes 2 caps.
Fits Mercury/Mariner outboards and MCM/MIE engines.

# **LANYARD DIODE KIT**



# 84-898289A72

This kit is dual engine adapter that is required when connecting one lanyard stop switch to two engines. Without this kit the engines would not be able to start or stop independently.

Fits Mercury / Mariner outboards.

# LANYARD STOP SWITCH CAP



#### 750950 2

Replacement cap for (65503A\_\_ and 856654A\_\_ series) Lanyard Stop Switches. Fits Mercury/Mariner outboards and MCM/MIE engines.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **LANYARD CORD - 54 INCH**



## 8M0092849

Lanyard cord with new ergonomic plastic clip, 54 inches in length.

Can be utilized on any Mercury Marine/Quicksilver lanyard stop switch at the helm.

Does not work with engine mounted stop switches.

Priced individually, sold @ multiples of 2
Mercury Branded, Clamshell Package Point of Sale Packaged.

# LANYARD COUNTER DISPLAY KIT



# 8M0092854

Contains 12 Mercury Point-of-Sale packaged Lanyards for counter display. Mercury Branded

# **LANYARD CORD - 70 INCH**



#### 8M0092851

Lanyard cord with improved ergonomic plastic clip, 70 inches in length. Intended for use on Big Tiller applications.

Quicksilver Branded

# LANYARD CORD



#### 823054Q

Fork style lanyard used with the engine mounted stop switch on the 2.5, 3.3, 4/5 HP (2-cycle), 4/5/6 (FourStroke) outboard engines.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **LANYARD SWITCHES**

## LANYARD STOP SWITCH



# 87-19674A08

 $5\,\mathrm{ft.}(1.53\,\mathrm{m})$  harness. 2 inch cut out with Black bezel. Used when mounting controls with no lanyard switch included. Chrome bezel optional - order separate.

Used on Outboards and DTS engines

# LANYARD STOP SWITCH -DUAL BEZEL 2 INCH



## 87-19674A13

5 ft.(1.53 m) harness. 2 inch cut out with Black bezel. Used with dual engine installations.

Chrome bezel optional - order separate.

Used on Outboards and DTS engines

# LANYARD STOP SWITCH -DUAL FLUSH MOUNT



## 87-19674A12

5 ft.(1.53 m) harness. Surface or Flush mount. Used for Dual Engine installations Used on Outboards and DTS engines

# LANYARD STOP SWITCH-TRIPLE/QUAD BEZEL 2 INCH



#### 87-19674A15

5 ft.(1.53 m) harness. 2 inch cut out with Black bezel. Used with triple/quad engine installations. For quint engine applications also purchase 898289A72. Chrome bezel optional - order separate.

Used on Outboards and DTS engines

# SHADOW RESISTOR PACKS

# **RESISTOR PACK- DTS SHADOW MODE**



#### 898091T01

Resistor pack used with DTS Shadow Mode applications. (#93) Included with the harness for this versions Helm 1, Starboard 2

Triple engine / single helm applications 2006 models and newer

# **RESISTOR PACK #94 - QUAD DTS SHADOW MODE**



#### 898091T02

Resistor pack #94 used on Quad DTS Shadow control single helm applications. Helm 1, Port 2  $\,$ 

Quad engine / single helm applications 2006 models and newer

# **RESISTOR PACK- DTS SHADOW MODE**



# 898091T03

Resistor pack used with DTS Shadow Mode applications. (#97) Helm 2, Starboard 2

Included in lower or primary helm for dual helm installs (895816A, 895817A, 895818A, and 895819A series helms)

Triple engine / dual helm applications 2006 models and newer.

# RESISTOR PACK #98 ASSEMBLY - QUAD SHADOW MODE



#### 898091T04

Resistor pack #98 used with Quad DTS Shadow control dual helm applications. (#98) Helm 2, Port 2

Quad engine / dual helm applications 2006 models and newer.

# **JUNCTION BOXES/JUNCTION BOX ACCESSORIES**

## **SMARTCRAFT JUNCTION BOX**



### 878492K14

4-Way SmartCraft Junction Box with (2) weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

# 878492T14

4-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

# 878492B14

4-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

Priced individually, sold @ multiples of 24

# **SMARTCRAFT JUNCTION BOX**



# 878492K16

6-Way SmartCraft Junction Box with (3) weather caps.

Provides connection/distribution point for multiple components on CAN Bus system. Order 1 for single and 2 for twin engine installs.

# 878492T16

6-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

## 878492B16

6-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

Priced individually, sold @ multiples of 24

# **SMARTCRAFT JUNCTION BOX**



## 878492K18

8-Way SmartCraft Junction Box with (4) weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

# 878492T18

8-Way SmartCraft Junction Box without weather caps.

Provides connection/distribution point for multiple components on CAN Bus system.

# **SMARTCRAFT WEATHER CAP**



# 859318T 2

Weather Cap for SmartCraft Junction Box

Provides weather protection at unused junction box connection points

# 859318B 2

Weather Cap for SmartCraft Junction Box

Provides weather protection at unused junction box connection points Priced individually, sold @ multiples of 24

# **10 PIN WEATHER CAP**



## 888507T

10 pin weather cap with mounting tab.

Used for harnessing that could plug into a Junction Box.

# **SMARTCRAFT J-BOX TERMINATOR/RESISTOR**



## 859318T 1

SmartCraft Yellow 10-pin Terminator/Resistor Provides CAN Bus termination for CAN P network.

#### 859318B 1

SmartCraft Yellow Junction Box Terminator/Resistor Provides CAN Bus termination where installed Priced individually, sold @ multiples of 24

## **TERMINATOR ASSEMBLY**



#### 8M0055652

SmartCraft Red Terminator Can 1/P & H

# **RESISTOR-TERMINATION-2 PIN**



# 893388A01

Blue 2-pin terminator/resistor

Provides CAN bus termination for CAN Networks.

# **HELM MPR 2 PIN WEATHER CAP**



# 86-8M0054244

GT280 2 pin male weather cap.

Used on Joystick (Zeus, Axius and JPO) applications for the Helm MPR connection harness 8M2021476.

# **PLUG ASY DIAGNOSTIC PORT**



#### 8M0046339

10 pin diagnostic port for use on any SmartCraft application.

Used as a 10 pin diagnostic port for connecting Mercury Computer Diagnostic System (CDS) junction box connection. Typically gets mounted at the helm, out of line of sight so that a technician does not have to disassemble helm to plug into a 10 pin connection. Requires a harness from back of diagnostic port to a 10 pin SmartCraft connection in the rigging.

# **SECURITY SYSTEMS**

This section will include security devices that will help protect your engine against theft..

# **MERCURY THEFT DETERRENT SYSTEM (TDS) STAGE 1**



## 8M0057383

Mercurys TDS improves boat and engine security and provides owner ease of mind. The system immobolizes the engine until the Fob is inserted. (Limit to approximately 2000 RPM) Once the Fob is inserted into the docking station; the user will experience normal engine performance. Red or green lights on the docking station indicates lock or unlock condition.

Can be used on ALL SmartCraft capable engines 40 HP and above (40-60 4 stroke engines serial #1C173334) all MCM DTS (2007 and newer - serial #1B381712) as well as Racing DTS (need Version 77 or newer MicroChi)

# **MERCURY TDS-PREMIUM**



### 98-8M0065146

Kit that allows tracking of a boat using a satellite communication system. This system notifies the owner via email or text if the boat has left its location or exceeded the user definiable Geo Fence (which can be set to notify if it leaves a known good area or notify it it enters a known bad area). It also allows you to use a unique website that you can track the boat. Included in the kit is the immobilizer that limits power if the fob is not engaged. (includes both the 8M0057383 Immobilizer kit and the 8M0059374 Premium Satelite Tracking Kit). System is CE certified and can be installed in Europe.

Can be used on all 40-60 4 stroke engines (serial # break is 1C173334) and the new 150 4 Stroke engine. Can also be used on Verado and all MCM DTS 2007 (serial number 1B381712 and above) and newer as well as Racing DTS. ( Need Version 0077 Micro Chi or later)

# **CONTROL MODULE THEFT - MERCURY TDS**



#### 8M0056987

Control Module that communicates information as part of the Mercury TDS (Theft Deterrent System) Service replacement part

Used in kit 8M0057383 See Kit for applications

# FOB -MERCURY TDS (THEFT DETERRENT SYSTEM)



#### 8M0056988

Fob replacement kit to activateTheft Deterrent System as part of the Mercury TDS (Theft Deterrent System) Service replacement part

Used in kit 8M0057383 See Kit for applications

# **DOCKING STATION - THEFT - MERCURY TDS**



#### 8M0056994

Docking station that communicates information as part of the Mercury TDS (Theft Deterrent System) Service replacement part

Used in kit 8M0057383 See Kit for applications

# **WIRING HARNESS - THEFT - MERCURY TDS**



# 84-8M0056993

Service replacement part.

Main harness that connects docking station and module as part of the Mercury TDS (Theft Deterrent System)

Used in kit 8M0057383 See Kit for applications

# **DECAL THEFT - MERCURY TDS**



# 37-8M0035724

Mercury TDS (Theft Deterrent System) Anti theft Decal - 2 each Used with Mercury TDS kits

## **BEZEL**



# 8M6002359

Chrome - 52 mm

Fits small 2-1/8 in.(52 mm) O.D. SC100 System Link gauges Priced individually, sold @ multiples of 2

# **MODULE AND SOFTWARE**



#### 8M0059432

Module with software used in the Mercury TDS - Premium security system. Mercury TDS - Premium Kits

## **IRIDIUM SATELLITE ANTENNA**



# 8M0059430

Iridium Satellite antenna used in the Mercury TDS - Premium security system. Mercury TDS - Premium Kits

# ADHESIVE PAD, SQUARE

#### 8M0059439

Adhesive square (Iridium) used in the Mercury TDS - Premium security system. Mercury TDS - Premium Kits

# **GPS ANTENNA**



#### 8M0059429

GPS antenna used in the Mercury TDS - Premium security system. Mercury TDS - Premium Kits

# **ADHESIVE PAD, OVAL**

## 8M0059438

Adhesive oval pad (GPS) used in the Mercury TDS - Premium security system. Mercury TDS - Premium Kits

# **POWER HARNESS**



# 8M0059434

Power cord used in the Mercury TDS - Premium security system. Mercury TDS - Premium Kits

# J-BOX EXTENSION



#### 8M0059435

J-Box extension used in the Mercury TDS - Premium security system. Mercury TDS - Premium Kits

# **OUTBOARD MOTOR LOCK - BASIC**



#### 67-8M0054123

Outboard Motor Lock for added security and protection for your Outboard. Features heavy carbon steel desing, recessed solid brass lock and noise dampening to reduce rattle.

Good security protection at a good value.

Outboards that use turnbuckle (thumb screw) mounting bolts

## **OUTBOARD MOTOR LOCK - HIGH SECURITY**



#### 67-8M0054122

High Strength Outboard Motor Lock for added security that fits most turnbuckle design bolts. This kit features anti drill protection from the hardened case, polished 316 stainless steel, noise dampening to reduce rattle and 2 security keys that can not be duplicated.

Outboards that use the turnbuckle (thumb screw) mounting bolts.

### **OUTBOARD MOTOR LOCK - TRANSOM**



# 67-8M0054121

High Strength Outboard Motor Lock for added security and protection for your Outboard. Features 2 security keys that can not be duplicated, Anti-Drill hardened material to make it harder to saw or drill thru and will fuit up to 1/2 inch (12 MM) engine bolts

Outboards that use transom mounted bolts

# **OUTBOARD MOTOR LOCK**



#### 67-8M0126685

SSF certified High Strength Outboard Motor Lock for added security that fits most turnbuckle design bolts. This kit features anti drill protection from the hardened case. polished

Marine Grade steel, noise dampening to reduce rattle and 2 security keys that can not be duplicated.

For outboards that use the turnbuckle (thumb screw) mounting bolts.

Quicksilver Branded

## **OUTBOARD MOTOR LOCK**



#### 67-8M0126686

SSF certified High Strength Outboard Motor Lock for added security and protection for your

Outboard. Features 2 security keys that can not be duplicated, Anti-Drill hardened Marine Grade Steel to make it harder to saw or drill thru and will fit up to 1/2 inch (12 MM) engine bolts.

For outboards that use transom mounted bolts

Quicksilver Branded

# **SAFETY SYSTEMS**

# **WARNING HORN KIT**



## 816492A 9

Kit includes the new style piezo horn used with 1986 and newer remote controls and wiring harnesses.

Fits 2000 and newer Mercury/Mariner V-6 outboards. Also fits MY2002 and newer 525-1200 Hp. Race Sterndrives.

## **LIGHT - DASH MOUNTED - CATALYST MALFUNCTION**



#### 8M0046481

Light will go on indicating that a malfunction has ocurred with your catalyst on your engine. This means you will need to get your engine serviced soon. Works similar to your check Engine light in your truck or car. (harness to be sold seperately) Harness numbers for single helms (M0048049,8M0048054,8M0048055,8M0048056,8M0048057,

8M0048058,8M0048059)

Mercruiser products that are equipped with a catalyst

## **OBDM ADAPTER HARNESS (EC)**



## 84-8M0053083

Adapter harness for installation of the OBDM light kit

This adapter is needed for EC engines prior to the base engine harness change. 3.0 Alpha MPI EC (serial number 1A610609 and below), 5.0 Brave DTS MPI EC (serial number 1A612238 and below), 5.0 Alpha MPI EC (serial number 1A610409 and below),350 Mag Bravo EC (serial number 1A610686 and below) and 350 Mag Bravo DTS EC (serial number 1A610698)

### **HARNESS - MALFUNCTION LIGHT**



# 84-8M0048049

This harness is to connect the OBDM malfunction light for single helm applications. 10 ft.

All Mercruiser engines that have a catalyst

### 84-8M0048054

This harness is to connect the OBDM malfunction light for single helm applications. 15 ft.

All Mercruiser engines that have a catalyst

# 84-8M0048055

This harness is to connect the OBDM malfunction light for single helm applications.

All Mercruiser engines that have a catalyst

### 84-8M0048056

This harness is to connect the OBDM malfunction light for single helm applications.

All Mercruiser engines that have a catalyst

#### 84-8M0048057

This harness is to connect the OBDM malfunction light for single helm applications. 30 ft.

All Mercruiser engines that have a catalyst

#### 84-8M0048058

This harness is to connect the OBDM malfunction light for single helm applications. 40 ft.

All Mercruiser engines that have a catalyst

#### 84-8M0048059

This harness is to connect the OBDM malfunction light for single helm applications. 50 ft

All Mercruiser engines that have a catalyst

#### **HARNESS - MALFUNCTION LIGHT**



#### 84-8M0048040

This harness is to connect the OBDM malfunction light for dual helm applications. 10 ft.

All Mercruiser engines that have a catalyst

## 84-8M0048043

This harness is to connect the OBDM malfunction light for dual helm applications. 15 ft.

All Mercruiser engines that have a catalyst

#### 84-8M0048044

This harness is to connect the OBDM malfunction light for dual helm applications. 20 ft.

All Mercruiser engines that have a catalyst

### 84-8M0048045

This harness is to connect the OBDM malfunction light for dual helm applications. 25 ft.

All Mercruiser engines that have a catalyst

#### 84-8M0048046

This harness is to connect the OBDM malfunction light for dual helm applications. 30 ft

All Mercruiser engines that have a catalyst

# 84-8M0048047

This harness is to connect the OBDM malfunction light for dual helm applications. 40 ft.

All Mercruiser engines that have a catalyst

# 84-8M0048048

This harness is to connect the OBDM malfunction light for dual helm applications. 50 ft.

All Mercruiser engines that have a catalyst



# **MOVING PROP ALERT LIGHT SYSTEM - ROUND**



#### 8M0060248

Moving Prop Alert (MP Alert) Light system is a highly visible light system that provides additional notice to swimmers when the engine is running and the propeller is in motion. This kit is a one light kit that includes a smart light with 6 LED lights, a control module (connected to the engine computer) and a 20 ft wiring harness (other lengths available). Also included is hardware needed to mount the light. Additional lights can be purchased to add to the system. (Round Shape) Works with all SmartCraft compatible engines.

## **MOVING PROP ALERT LIGHT SYSTEM - OVAL**



## 8M0109508

Moving Prop (MP Alert) Alert Light system is a highly visible light system that provides additional notice to swimmers when the engine is running and the propeller is in motion. This kit is a two light kit that includes 2 smart lights with 6 LED lights, a control module (connected to the engine computer) and a 20 ft wiring harness (other lengths available). Also included is hardware needed to mount the lights. Additional lights can be purchased to add to the system. (Oval Shape) Analog Engine / Non Mercury engines (Single Engines Only)

# **MOVING PROP ALERT LIGHT SYSTEM - OVAL**



### 8M0109507

Moving Prop (MP Alert) Alert Light system is a highly visible light system that provides additional notice to swimmers when the engine is running and the propeller is in motion. This kit is a two light kit that includes the smart lights with 6 LED lights each , a control module (connected to the engine computer) and a 20 ft wiring harness (other lengths available). Also included is hardware needed to mount the light. Additional lights can be purchased to add to the system. (Oval Shape)

Works with all SmartCraft compatible engines.

## MP ALERT - ADD A LIGHT



#### 8M0060251

This kit will allow you to add additional lights to the MP Alert kits. Each kit includes one light and a Y harness to allow you to easily add a third or forth light on the boat.

Works with all SmartCraft compatible engines.

# MP ALERT - ADD A LIGHT



#### 8M0109505

This kit will allow you to add additional lights to the MP Alert kits. Each kit includes one light and a Y harness to allow you to easily add a third or forth light on the boat. (Oval Shape)

Works with all SmartCraft compatible engines.

## MP ALERT LIGHT



# 8M0109506

Service replacement light for the MP Alert kit (Oval Shape)

# **MP ALERT - OVAL STAINLESS BEZEL**



# 8M0072341

Stainless bezel to be used for any oval MP Alert light

Can be used on any of the new cowl-mounted oval MP Alert options for the 3.4L V6/4.6L V8 Fourstrokes

# MP ALERT - OVAL WARM FUSION BEZEL

Image not Available.

#### 8M0138978

Warm Fusion bezel to be used for any oval MP Alert light

Should be used on warm fusion cowl-mounted oval MP Alert options for the 3.4L V6/4.6L V8 Fourstrokes

# MODULE, MP ALERT



#### 8M0117114

Module used to control the lights on MP Alert.

Controller is used with MP Alert light system on SmartCraft applications. Also can turn on/off with SkyHook feature on Joystick applications

# 8M0117116

Module used to control the lights on MP Alert.

Used with MP Alert light system (controller) Analog and Non-Mercury Engines

# **LIGHT SWITCH WITH LED - MP ALERT**



#### 8M0052292

Optional switch and warning light kit for the MP Alert Light System. This switch can be added to the system to control the on-off function manually.

Works with all SmartCraft compatible engines.

# **MP ALERT - Y HARNESS**



#### 84-8M0053250

Y Harness for MP Alert to allow easy installation of third or forth light on the boat. Works with any SmartCraft compatible engine.

# HARNESS EXTENSION MP ALERT



#### 84-8M0054183

Harness for connecting MP Alert light to front of boat - 10 ft

#### 84-8M0054185

Harness for connecting MP Alert light to front of boat - 20 ft

#### 84-8M0054186

Harness for connecting MP Alert light to front of boat - 30 ft

#### 84-8M0054187

Harness for connecting MP Alert light to front of boat - 50 ft

# TACHOMETER HARNESSES

# **TACHOMETER HARNESS**



#### 84-46239A 1

Three blade style. Used with 61490A\_ series controls and ignition/Choke panels 77777A 2 and A 4.

# **TACHOMETER HARNESS**



# 84- 69108A 5

Four pin style. Used with 84-87364A\_\_ series harnesses, 65640A\_\_ series controls and 76334A\_\_ series controls.

# **TACHOMETER HARNESS**



#### 84-86396A 8

Five pin style. 4 ft.(1.2 m). Used with Commander, Commander 2000 series & MSC 4000 (8 pin) series side mount controls and Ignition/Choke assemblies

#### 84-86396A24

Five pin style. 13 ft.(4 m). Used with Commander, Commander 2000 series & MSC 4000 series side mount controls and Ignition/Choke assemblies.

#### **TACHOMETER HARNESS**



#### 84-827593A 2

Bullet pin style.

Fits Mercury/Mariner 30 to 90 electric start tiller handle models.

# REMOTE CONTROL ADAPTER HARNESSES

# **REMOTE CONTROL ADAPTER HARNESS**



#### 84-892473A01

Converts the traditional Mercury connector to an Amp 8-pin connector. Converts side mount controls 881170A 3, 15, 16 and the 816626A\_ series ignition keyswitch harness to connect to the MY2005 and newer 8/9.9 hp. FourStroke

MY2005 and newer 8/9.9 hp. FourStroke outboard and the 15/20 hp. FourStroke (351cc) outboard when a 8 pin side mount control or keyswitch harness is used.

# REMOTE CONTROL/IGNITION CHOKE EXTENSION **HARNESSES**

Fits Mercury / Mariner 6 hp. and Higher (2 cycle, USA & BEL Origin) outboards, Mariner 30/40 hp. with oil injection (2 cycle, Japanese Origin), all Mercury / Mariner 4-Stroke (USA Origin) outboards and Force 40 hp. and Higher (1993 and Newer). Various applications include 7,8 and 10 pin harnesses and 12 wire (8 pin plus 4 bullet connectors) used on side mount controls and ignition/choke assemblies.

#### **EXTENSION HARNESS**



#### 84-17829A 2

2 ft.(0.6 m) harness, 8 lead harness.

Used as harness extension or to complete two station installations.

#### 84-17829A10

10 ft.(3.05 m) harness, 8 lead harness. Used as harness extension or to complete two station installations.

#### 84-17829A20

20 ft.(6.1 m) harness, 8 lead harness.

Used as harness extension or to complete two station installations.

# TWO STATION Y-HARNESSES

For boats with two station applications.

#### **POWER TRIM "Y" HARNESS**



Used with Trim Control Panels and Extension Harnesses (46838\_\_ series. Fits MCM engines and Mercury/Mariner outboards with power trim.

# TWO STATION "Y" HARNESS



#### 84-91942A 4

Used with Instrument Harness (84-812475A3 or 84-812476A 3), Instrument Extension Harness (84-812441A \_\_series or 84-812835A \_\_series), Stop/Start Panel (76426A 9) and Ignition Switch (54212A 7). Includes two station sending units.

Fits 1986 and newer MCM/MIE gasoline engines and 1994 and newer MCM/MIE diesel engines (except D-Tronic D2.8L,D4.2L and D7.3L diesels).

#### TWO STATION "Y" HARNESS



#### 84-93347A 3

38 in.(96 cm) harness. Used with Ignition/Choke Assembly (84-816626A 2), Start/Stop Panel (76426A 7) and Remote Control Extension Harness (84-17829A\_series).

Fits Mercury/Mariner outboards with 8 pin engine harnesses.

# TWO STATION "Y" HARNESS



# 84-850782

Fits 1997-2000 D2.8L and D4.2L Electronic models

# **DUAL STATION SENDERS**

Replaces factory installed sender on engine. For use with dual station instrumentation.

# **ENGINE OIL PRESSURE SENDER**



#### 37293T

Fits MCM/MIE gasoline engines

# **ENGINE WATER TEMPERATURE SENDER**



#### 49734

For dual station installations, used for temperature gauge Fits MCM/MIE engines

#### **ENGINE OIL PRESSURE SENDER**



#### 87-805268

For dual station installations
Fits 1994 and newer MCM/MIE Diesel engines

# TWO STATION START/STOP PANELS

Mounts in a 3-3/8 in.(86 mm) hole.

# TWO STATION START/STOP PANEL



#### 76426A 9

3 ft.(910 mm) harness connects in place of ignition switch. Fits MCM/MIE gasoline Carb engines (0W650000 and below).

#### 8M0078892

3 ft.(910 mm) harness connects in place of ignition switch.

Used on Outboard installations that have Mechanical Non DTS requirements for Remote Start/Stop. Uses 6 Pin connection and services second station installations. Similar to 76426A 9 MCM version.

# **POWER TRIM CONTROL PANELS**

#### **DUAL ENGINE POWER TRIM CONTROL**



#### 90362A 3

Toggle switch style with 20 ft.(6.1 m) harness and circuit control box. Mounts in a 3-3/8 in.(86 mm) hole. Designed for dual engine installations equipped with externally mounted tie bars. Simultaneously tilts both drives with a single toggle switch.

Fits Alpha & Bravo sterndrives that are not equipped with Auto Trim.

# **TRIM SWITCHES**

#### **POWER TRIM SWITCH KIT**



#### 87-18286A46

Rocker switch style with 25 ft.(7.62 m) harness and bullet connectors. Can be surface mounted or flush mounted. Provides tilt control from the bow or transom location.

Fits Mercury/Mariner 75-115 hp. FourStroke outboards beginning with serial number 1B366823-2B094955.

# **DASH MOUNT TRIM PAD - DTS TRIPLE ENGINES**



# 87-897635K01

Dash Mounted Trim Switch for Triple Engine DTS applications 2006 DTS engines and newer

# **DASH MOUNT TRIM PAD - DTS QUAD ENGINES**



#### 87-899180K01

Dash mounted trim switch for Quad engine DTS applications Gen I (2007 and newer) DTS Quad engines

#### **TRIM PAD - DTS DUAL ENGINES**



#### 87-879303A02

Low profile mount trim pad for dual engine applications Gen1 (2007 and newer) DTS Dual engines

# **TRIM PAD - DTS TRIPLE ENGINES**



#### 87-879303A03

Low profile mount trim pad for triple engine applications Gen I (2007 and newer) DTS triple engines

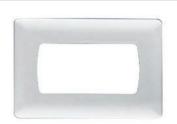
# **TRIM PAD - DTS QUAD ENGINES**



# 87-879303A04

Low profile mount trim pad for quad engine applications Gen I (2007 and newer) DTS Quad engines

# **BEZEL**



# 879315T08

White

Trim switch, triple/quad.

#### **BEZEL**



#### 879315T09

Chrome

Trim switch, triple/quad.

#### **BEZEL**



#### 879315T05

Grey

Trim switch, triple/quad.

# **BEZEL**



# 879315T07

Black

Trim switch, triple/quad.

# **AUXILIARY TRIM HARNESS**

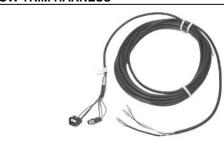


#### 84-895388T02

Allows connection of trim wires for use of a helm trim lever or secondary trim device.

2004 and newer DTS engines with panel mount remote control

# **BOW TRIM HARNESS**



#### 84-895093T03

Allows connection of trim wires for use of a bow mounted trim button. Harness runs from bow trim switch to engine cowl trim switch.

2004 and newer DTS engines

# HARNESS-AUXILIARY DASH SWITCH- DUALS



#### 84-866704T01

This harness allows the connection to a auxiliary trim switch. Mounts between the 8 pin trim connector and the command module harness DTS engines

# TRIM ALL ADAPTER HARNESS



#### 84-8M0094269

Harness allows for use of "trim all" switch on dual console ERCs when retrofitting with previous generation helm harnessing

Should only be used in a repower situation where "trim all" handle switch in dual ERC does not match up with existing DTS helm harnessing

# **4 POSITION TRIM SWITCH ADAPTER**



#### 84-896394T01

Used with all dash mounted triple and quad trim switches to adapt to Zero Effort Controls Triple/Quad engines

2006 / 2007 (Gen II) DTS engines

# TRIPLE ENGINE TRIM HARNESS KIT-DTS



#### 84-895744A02

Allows connection of multiple DTS engines to trim switches (triple engine with Zero Effort Controls-included in kit)

# **QUAD ENGINE TRIM HARNESS KIT-DTS**



# 84-895744A04

Allows connection of multiple DTS engines to trim switches (Quad engines with Zero Effort Controls-included in kit)

# **ENGINE TRIM HARNESS KIT-DTS**

#### 84-8M0072808

Allows connection of multiple DTS engines to trim switches (Quint engines with Zero Effort Controls-included in kit))

2005 Verado, 200/225 OptiMax DTS and DTS 8.1L / 496 Mag MCM/MIE engines

# **ZERO EFFORT TRIM ADAPTER HARNESS**



#### 84-8M0109408

Included in Race Rigging Kits.

Required for any newer style Zero Effort control with 8 pin Trim All connector. Harness is 8 pin Zero Effort to bullet connectors

# **DUAL ENGINE ZERO EFFORT 8 PIN TRIM ALL**



#### 84-8M0047784

Harness that provides individual bullet drops for rocker switches from the 8 pin Trim All connector on the newer Zero Effort remote controls

Connects a dual engine Zero Effort control with the newer 8 pin Trim All connector to individual rocker switches via bullets

# TRIM LIMIT KITS

Trim limit kits available to adjust trim up limits

# TRIM LIMIT SWITCH KIT



#### 899625K02

Limits the up travel of the power trim to minimize potential interferences when fully tilted. This is an analog device.

Fits the Mercury/Mariner Opti Max 1.5L (75-115), 2.5L (135,150,175 and 3.0L (200-300) Can also be used in 75-115 4 stroke engines (Serial number 1B366823-2B094955.)

# TRIM LIMIT SWITCH KIT



#### 899625K04

Limits the up travel of the power trim to minimize potential interferences when fully tilted. This is a digital device.

Fits the Mercury/Mariner Opti Max 1.5L (75-115), 2.5L (135,150,1750 and 3.0L (200-250) Can also be used in 75-115 4 stroke engines (Serial number 1B366823 and above. (ref 14 Pin Harness)

#### TRIM LIMIT SWITCH KIT



#### 899625K05

Limits the up travel of the power trim to minimize potential interferences when fully tilted. This is an digital device.

Fits the Mercury Verado 4 cylinder (135-175)

#### TRIM LIMIT SWITCH KIT



#### 899625K06

Limits the up travel of the power trim to minimize potential interferences when fully tilted. This is an digital device.

Fits the Mercury Verado 6 cylinder (200-275)

#### TRIM LIMIT SWITCH KIT



#### 899625K07

Limits the up travel of the power trim to minimize potential interferences when fully tilted.

Fits the Mercury/Mariner 90 HP 2 cycle outboard

#### 899625K08

Limits the up travel of the power trim to minimize potential interferences when fully tilted.

Fits the Mercury/Mariner 40-60 4 Stroke outboard

#### TRIM CONVERTER AND TILT UP LIMIT KIT



#### 8M0118725

This kit allows the conversion of the trim signal from the analog sender to a digital output for Smartcraft gauge applications. The kit also has an additional feature that allows the max tilt up positon to be set to avoid interference when tilting the engine completely up.

2.1L F75-115 Four Stroke

# TRIM LIMIT SWITCH KIT



#### 8M0059532

Limits the up travel of the power trim to minimize potential interferences when fully tilted. This is an digital device.

Fits the 150 HP 4 Stroke only

# TRANSOM MOUNTED POWER TILT PANEL

#### TRANSOM MOUNTED POWER TILT PANEL



#### 87-815200A 1

Rocker switch style with 6 ft.(1.8 m) harness and bullet connectors. Provides tilt control from the outside of the boat when trailering and launching. "T" harness (included in kit) connects directly to trim pump with traditional 3 blade connector. Fits MCM models with power trim having the traditional 3 blade connector.

# TRANSOM MOUNTED POWER TILT PANEL

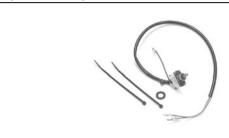


#### 87-815200A02

Rocker switch style with 6 ft.(1.8 m) harness and bullet connectors. Provides tilt control from the outside of the boat when trailering and launching. "T" harness (included in kit) connects directly to trim pump with 3 pin Packard connector. Fits MCM models with newer power trim having the 3 pin Packard connector.

# **OUTBOARD POWER TRIM SWITCH KITS**

#### **POWER TRIM SWITCH KIT**



#### 87-14645A 4

Toggle switch style. Tiller handle mounted.

Fits Mercury/Mariner 40 JET and 50/60 hp. outboards and operates the power trim kit added to a base ELHO model engine. See Tiller application chart for specific engine models.

#### **POWER TRIM SWITCH KIT**



#### 87-18286A17

Rocker switch style with 10 ft.(3.05 m) harness and 3 blade connector. Installation requires power trim "Y" harness (58366A 2). Provides tilt control from the bow or transom location.

Fits Mercury/Mariner models equipped with remote mounted trim pump.

# **POWER TRIM SWITCH KIT**



#### 87-18286A18

Rocker style switch with 10 ft. harness and bullet connectors. Can be surface mounted or flush mounted. Provides tilt control from the bow or transom location. Fits Mercury/Mariner models equipped with integral trim pump.

# **POWER TRIM SWITCH KIT**



#### 87-18286A46

Rocker switch style with 25 ft.(7.62 m) harness and bullet connectors. Can be surface mounted or flush mounted. Provides tilt control from the bow or transom location

Fits Mercury/Mariner 75-115 hp. FourStroke outboards beginning with serial number 1B366823-2B094955.

# **POWER TRIM SWITCH KIT**



#### 87-18286A19

Rocker switch style with 25 ft.(7.62 m) harness and bullet connectors. Can be surface mounted or flush mounted. Provides tilt control from the bow or transom location

Fits Mercury/Mariner models equipped with integral trim pump.

# **POWER TRIM SWITCH KIT**



#### 87-18286A47

Rocker switch style with 10 ft.(3.0 m) harness and bullet connectors. Can be surface mounted or flush mounted. Provides tilt control from the bow or transom location

Fits Mercury/Mariner 75-115 hp. FourStroke outboards beginning with serial number 1B366823-2B094955

#### TRIM LIMIT SWITCH KIT



#### 87-814407A 3

Kit includes a mercury switch to limit power trim travel and a new, shorter tilt bracket

Fits all Mercury/Mariner V-6 outboard applications which use engine mounted power trim solenoids.

#### TRIM SWITCH Y-HARNESS



#### 84-889295T

Allows for tee-in of bow power trim switch with remote controls. Fits the F75-90-115 hp. FourStroke outboard. 1B366823 and above.

# **TROLL CONTROL**

# TROLL CONTROL- DASH MOUNTED- J BOX SMARTCRAFT INSTALLATIONS



#### 87-8M0083438

Troll Control will allow you to have the same functions that you get from the SmartCraft Digital gauges and adjust the speed of the boat. By pushing the button up or down, you can feather your speed every 10 RPM. Go from idle to 1000 RPM or anywhere in between. (some engine can actually go lower than idle (75-115 4 stroke(Walleye), 135-200 HP Verado 4 cylinder and 3.0L Optimax) This kit will be used in Smartcraft gauge installations that have a J Box installed. RPM will reset to idle when more than 2-3% movement occurs at the throttle (TPS) Can be used with any Analog Gauge installation without a J Box. "Y" harness is included in kit to connect to main engine hanress. This kit can be used with any SmartCraft compatable Mercury Engine.

#### TROLL CONTROL- DASH MOUNTED- ANALOG 87-8M0083439

Troll Control will allow you to have the same functions that you get from the SmartCraft Digital gauges and adjust the speed of the boat. By pushing the button up or down, you can feather your speed every 10 RPM. Go from idle to 1000 RPM or anywhere in between. (some engine can actually go lower than idle (75-115 4 stroke(Walleye), 135-200 HP Verado 4 cylinder and 3.0L Optimax) This kit will be used in analog gauge installations. RPM will reset to idle when more than 2-3% movement occurs at the throttle (TPS)

Can be used with any Analog Gauge installation without a J Box. "Y" harness is included in kit to connect to main engine hanress. This kit can be used with any SmartCraft compatable Mercury Engine.

#### TROLL CONTROL Y HARNESS



#### 84-8M0042976

Y hareness allows you to connect direct to main engine harness and the Troll Control kit without using a "J" box.

Used with Troll Control Kit 879365K08 (879365A08)

#### TROLL CONTROL KIT



# 87-8M0083437

RPM adjustment at your finger tips. This kit can be added to the Big Tiller Mechanical without P/S as an option

# **POWER TRIM EXTENSION HARNESSES**

Plugs into remote control or trim panel with 3 blade connectors.

#### **POWER TRIM EXTENSION HARNESS**



#### 46838A 4

10 ft.(3.05 m) harness and 3 blade connectors.

Fits Mercury/Mariner and MCM models with power trim.

#### 46838A 6

20 ft.(6.1 m) harness and 3 blade connectors. Note: Use with dual solenoid trim pump only.

Fits Mercury/Mariner and MCM models with power trim.

# **POWER TRIM EXTENSION HARNESS**



#### 84-817659T01

16 ft.(4.88 m) harness.

This harness connects the remote control 4 pin Molex connector to the traditional 3 blade Mercury pump trim pump connector.

MCM/MIE

#### 84-881125A 1

24 ft.(4.88 m) harness. This harness connects the remote control 4 pin Molex connector to the traditional 3  $\,$ blade Mercury pump trim pump connector.

MCM/MIE

#### **POWER TRIM EXTENSION HARNESS**



#### 84-865772T01

16 ft.(4.88 m) harness.

This harness connects the remote control 4 pin Molex connector to the newer design 3 pin Packard pump trim pump connector. MCM/MIE

**POWER TRIM EXTENSION HARNESS** 



#### 84-865772T02

24 ft.(4.88 m) harness.

This harness connects the remote control 4 pin Molex connector to the newer design 3 pin Packard pump trim pump connector.

# **POWER TRIM EXTENSION HOSE/HARNESS KIT**

#### POWER TRIM EXTENSION HOSE/HARNESS KIT



#### 32-865384A01

Includes a 6 ft (1.8M) harness and 4 ft (1.2M) hoses Fits 1983 and newer MCM models

# **POWER TRIM ADAPTOR HARNESSES**

# **POWER TRIM ADAPTER HARNESS**



# 84-865770A02

12 in.(305 mm) harness.

To convert older P/T pump with 3 blade connector to newer remote control harness with 3 pin Packard connector.

#### **POWER TRIM ADAPTER HARNESS**



#### 84-865771A02

12 in.(305 mm) harness.

To convert newer P/T pump with 3 pin Packard connector to older remote control harness with 3 blade connector.

# **POWER TRIM POWER SUPPLY CABLE**

Recommend by the ABYC for use with MerCruiser power trim pumps installed in boats with batteries (or battery banks) rated more than 800 CCA or with a battery switch.

#### **POWER TRIM CABLE ASSEMBLY**



#### 84-889282A01

102 cm (48 in.), Sheathed w/o fuse

# **POWER TRIM CABLE ASSEMBLY**



#### 84-889282A02

183 cm (72 in.), Fused and sheathed

# **BATTERY CABLES**

#### **BATTERY CABLE KIT**



#### 84-88439A50

Pair of 12 ft.(3.7 m) cables, 1 red (+) Positive and 1 black ( -) Negative, 4 gauge with ring terminals. This is an optional accessory kit and may not reflect the original cables on your engine. For original manufactured service part replacement, the Electronic Parts Catalog should always be used for each specific engine. For alternate length cables, consult the approriate service manual.

Fits Mercury/Mariner outboard engines.

# **BATTERY BAR - MULTIPLE CONNECTOR**

# **BATTERY MULTIPLE CONDUCTOR KIT (WITH COVERS)**



#### 898289Q45

New Battery Bus Bar Kit allows multiple connection points that result in clean and direct connections for various electrical power needs. This will eliminate stacking of ring terminals and reduce corrosion and loose connections resulting in poor or faulty electrical connections.

Kit includes a 3/8 inch and a 5/16 inch mounting plate made of brass with all the fasteners needed for multiple connections. This kit also includes a positive (red) and negative (black) cover that snaps to the plate and provides protection to the battery connections. (ABYC compliant)

Any 12 volt battery that has a 3/8 inch and 5/16 inch pmounting stud

#### BATTERY MULTIPLE CONDUCTOR KIT (NO COVERS)



#### 898289T47

New Battery Bus Bar Kit allows multiple connection points that result in clean and direct connections for various electrical power needs. This will eliminate stacking of ring terminals and reduce corrosion and loose connections resulting in poor or faulty electrical connections.

Kit includes a 3/8 inch and a 5/16 inch mounting plate made of brass with all the fasteners needed for multiple connections. This kit does not include plastic snap on covers (ABYC compliant)

Any 12 Volt battery with 3/8 inch and 5/16 inch studs

# **BATTERY COVER - RED/POSITIVE**



#### 898289045

Positive(Red) Snap on cover used with Battery Bus Bar kits Any 12 volt battery that uses the new Bus Bar Kit

#### **BATTERY COVER - BLACK/NEGATIVE**



#### 898289046

Negative (Black) Snap on cover used with Battery Bus Bar kits Any 12 volt battery that uses the new Bus Bar Kit

# **BATTERY PLATE - 3/8 INCH (WITH FASTENERS)**



# 898289A71

Multiple Conductor Battery Plate 3/8 inch (with fasteners) Clean up your battery solutions with direct isolated connections

#### BATTERY PLATE - 5/16 INCH (WITH FASTENERS) 898289A48

Multiple Conductor Battery Plate with fasteners (No Covers) Clean up your battery solutions with direct isolated connections

# **BATTERY ISOLATORS**

Multi-battery drain occurs when there are two or more batteries in a charging system. Without a battery isolator, accessories attached to one battery will draw power from all other batteries in the circuit, leaving them seriously rundown, or even dead. The Quicksilver Battery Isolator is an electric current controlling device which isolates each battery in the circuit. Each battery then discharges and charges accordingly. Never does the load on one battery drain power from other batteries in the system.

# **BATTERY ISOLATOR - 80 AMP**



#### 87-8M6005583

80 amp battery isolator. Ensure battery cables meet ABYC/CFR regulations. All MerCruiser and Outboard engines.

#### **BATTERY ISOLATOR - 140 AMP**



#### 8M6006077

140 Amp battery isolator. Ensure battery cables meet ABYC/CFR regulations. All MerCruiser and Outboard engines.

# **BATTERY ISOLATOR - 200 AMP**



#### 87-8M6005584

200 amp battery isolator. Ensure battery cables meet ABYC/CFR regulations. All MerCruiser and Outboard engines.

#### **BATTERY ISOLATOR HARNESS KIT**



#### 84-8M0094239

Allows the connection of any battery isolator to Mercury/Mariner outboard. Kit includes a 10 gauge red cable (8 ft.[2.44 m] length) that connects from the regulator output terminal to the battery isolator input terminal.

Fits Mercury/Mariner 50-125 hp. (2000 & prior) with high output (16 amp.) alternator and V-6 models (1999 & prior) equipped with 40 amp. alternator or dual 20-amp alternator systems and fits the F75-115 hp. (2.1L) FourStroke and the F150 EFI FourStroke outboard. Connections from battery isolator to the batteries are not included.

# **BATTERY ISOLATOR STARTER CABLE**



#### 84-8M0045743

Required in addition to the standard Battery Isolator Harness Kit.

Only required with the F75-115 FourStroke outboard 1B366823-2B094995.

#### CABLE/FUSE ASY - 100 AMP -BATTERY ISOLATOR



#### 84-898180K01

Improved heat handling capacity cable used with battery isolators and Verado kits

# 175HP+ KICKER ELECTRICAL KIT

Image not Available.

#### 8M0149838

This system allows you to run your kicker engine and use the power steering system without your primary engine running. This system allows you to connect to a deep cell battery (not your starter battery) and the system will provide normal power steering from the wheel. The system will alert you when your auxiliary battery is below 9.5 volts. This signal means that you must start your primary engine to change the battery system. This kit will save the starting battery for primary starting use only. Must select the appropriate isolator to be paired with this system, dependent on engine configuration.

175hp+ power steering systems with a kicker engine. 200-350 Verado 2015 (Gen 5) and newer and all 175-300hp 3.4L and 4.6L engines.

# ELECTRICAL ISOLATOR KIT- DUAL OPTI AND 150 FOURSTROKE



#### 8M0073037

Used to add Power steering option to Dual OptiMax or 150 FourStroke engines Dual OptiMax or 150 FourStroke Engines

# ELECTRICAL ISOLATOR KIT- TRIPLE OPTI AND 150 FOURSTROKE



#### 8M0073038

Used to add Power steering option to Triple OptiMax or 150 FourStroke engines Triple OptiMax and 150 FourStroke Engines

# **ELECTRICAL HARDWARE**

# **ELECTRICAL HARDWARE KIT**



#### 86-813937A 2

Contains a broad selection of the electrical connectors used on Mercury/Mariner/Force and MerCruiser products.

# **BULLET TERMINAL RECEPTACLE**

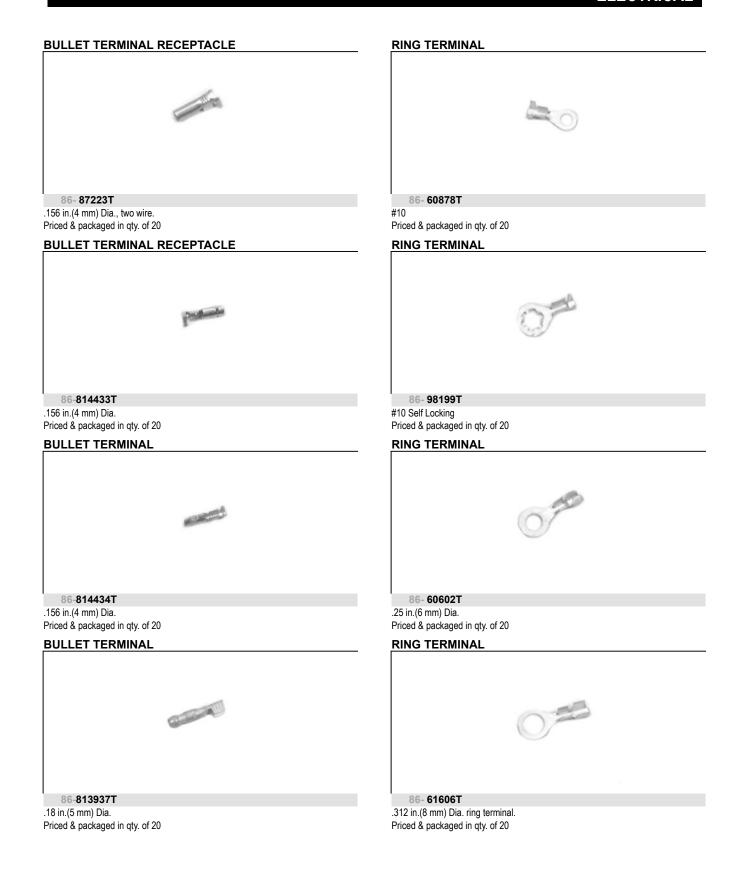


#### 86-813936T

.18 in.(5 mm) Dia.

Priced & packaged in qty. of 20

#### 8M0134611



# BULLET TERMINAL RECEPTACLE INSULATOR 85- 17198

.156 in.(4 mm) Dia. Priced individually, sold @ multiples of 20

# **BULLET TERMINAL RECEPTACLE INSULATOR**



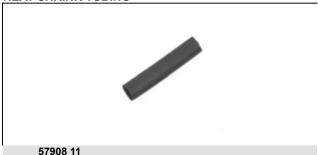
85- **17199** .156 in.(4 mm) Dia., one wire Priced individually, sold @ multiples of 20

# **BULLET TERMINAL RECEPTACLE INSULATOR**



.156 in.(4 mm) Dia., two wire
Priced individually, sold @ multiples of 20

# **HEAT SHRINK TUBING**



# **SPLICE CLIP**



Splice Clip.
Priced & packaged in qty. of 20

# **CRIMPING TOOL**



Crimps the electrical connector to the wire.

# **QUICKSILVER FUNNEL ENTRY VINYL TERMINALS**

#### **FEMALE TAB DISCONNECT**



67-851766 16-14 gauge, .250 in. Priced & packaged in qty. of 25

#### **MALE NYLON COUPLER**



67-**851773** 16-14 gauge, .250 in. Priced & packaged in qty. of 50

# QUICKSILVER HEAT SHRINKABLE CONNECTORS AND TUBING

# MALE QUICK DISCONNECT



67-**851706** 16-14 gauge Priced & packaged in qty. of 100

Heat Shrink Tubing. .25 in.(6 mm) Dia. x 10 inches long.

# FEMALE QUICK DISCONNECT



67-851710

16-14 gauge

Priced & packaged in qty. of 100

# **FUSES AND CIRCUIT BREAKERS**



88- 79091

20 amp

Priced individually, sold @ multiples of 5

# FUSE HOLDER CABLE



Female connector, 5 inches.

Male connector, 64 inches.

# **FUSE HOLDER CABLE**



**FUSE** 



88-832969 2

2 amp mini fuse

**FUSE** 



88-832969T05

5 amp mini fuse

**FUSE** 



88-832969 10

10 amp mini fuse

Fits 1999 & newer V-6 & V-8 EFI engines with MEFI 3 ignition

**FUSE** 



88-832969T15

15 amp mini fuse

Fits 1999 & newer V-6 & V-8 EFI engines with MEFI 3 ignition



88-**832969T20** 20 amp mini fuse

# **FUSE**



88-**832969T25** 25 amp mini fuse

# **FUSE**



88-832969 30 30 amp mini fuse

# **FUSE**



5 amp

Among other applications, this fuse can be found in the DTS Power Harness.

# **FUSE**



862647

# 10 amp fuse



88-812619

20 amp fuse

# FUSE 50 AMP



# 88-79023A94

50 Amp fuse used with Power Steering System. APS to Battery Power Steering System

# **FUSE ASSEMBLY**



# 88-79023T56

55 amp

# 88- **79023T90**

90 amp with 5/16 in. (8 mm) diameter mounting hole

# 88-79023A91

90 amp with 13/32 in. (10 mm) diameter mounting hole

Used on Verado power steering as well as various MerCruiser starter applications.

#### 88- 79023T10

110 amp

# **FUSE ASSEMBLY**



88-8M6001960

90 amp - Hot stud fuse Used on MCM 4.5L & 6.2L engines

#### **FUSE**

#### 88-8M0129533

Light Green, 30 amp

Main Power

# 88-8M0129534

Red, 50 amp Main Power

#### 88-8M0129535

Lime, 80 amp Main Power

# 88-8M0130941

Yellow Main Power

#### **FUSE**



88-8M0129562

Green, 125 amp Main Power

# **FUSE**



88-8M0129528

Orange, 150 amp

Main Power

88-8M0129530

Blue, 200 amp Main Power

88-8M0129531

Pink, 250 amp Main Power

# **FUSE COVER ASY**



#### 879346T24

Used with Fuse/Harness asy for Power Steering Systems Power Steering Systems

# **CIRCUIT BREAKER**



88-8M0085705

20 amp for power trim pump

#### **CIRCUIT BREAKER**



88- 11178A01

50 amp w/ nut connections. Includes attaching hardware

# **CABLE TIES**

# **CABLE TIE**



69355

5-1/2 in. (140 mm) long, black color, 1/16 in. to 1-1/4 in. (1.6-32 mm) bundle diameter

Priced individually, sold @ multiples of 100

# **CABLE TIE**



# 54-816311T

8 in. (203 mm) long, black color, 3/8 in. to 1-3/4 in. (9.5-44 mm) bundle diameter, 60 lbs.(27 kg) minimum loop tensile strength Priced individually, sold @ multiples of 100

# **STANDARD CABLE TIE**



#### 54-8M0064023

Standard 11 in. (280 mm) long, black color, 1/16 in.-3 in.(1.6-76 mm) bundle diameter, 50 lbs.(23 kg) minimum loop tensile strength, 1000 pcs./bag

Priced individually, sold @ multiples of 100

# **TOOLS**

# 14 PIN DEPINNING TOOL



#### 91-896352A01

Used to remove pins on 14 pin DTS and non-DTS harnesses.

# **DATA CABLE PULLER**



#### 888462A 1

Attaches to end of data harness to aid in pulling harness through boat. Prevents damage to data harness.

# **STEERING**

# **STEERING WHEELS**

# STEERING WHEEL



#### 67-829140A01

Legend Steering Wheel with soft grip and wheel center This product is a four-spoke wheel design.

Wheel Dia.: 13-1/2 inch Dish: 3-7/8 inch

#### STEERING WHEEL-V60 BLACK



#### 67-892762A05

This wheel is a great value with soft grip and great looks. This Steering Wheel is a three-spoke design with a black grip and black spokes. Thermoplastic antishock material. Meets with EN 28848 and ABYC P22 standards. (includes hub) 13.8 inch (350 mm) wheel diameter • Standard .75 inch (19 mm) taper

# STEERING WHEEL-CORSE B/S



#### 67-892762A01

This wheel is a great value with soft grip and great looks. This Steering Wheel is a three-spoke design with a soft black grip and silver spokes. Meets with EN 28848 and ABYC P22 standards. (includes hub).

13.8 inch (350 mm) wheel diameter • Standard .75 inch (19 mm) taper

# STEERING WHEEL- NISIDA B/B



#### 67-892762A02

This wheel is a great value with polyurethane grip and great looks. This Steering Wheel is a three-spoke design with a black leather look soft grip and black spokes. Meets with EN 28848 and ABYC P22 standards. (includes hub)

Wheel Dia.: 13.8 inch (350 mm) Std 3/4 inch taper

# STEERING WHEEL - GRIMANI SS/CP



#### 8M0121295

This wheel is a great value with comfortable grip and updated, sporty styling. Silver spokes, black grip, and silver inserts.

Standard taper.

#### STEERING WHEEL - GRIMANI BRS/CP



#### 8M0121296

This wheel is a great value with comfortable grip and updated, sporty styling. Silver spokes, black grip, and burl wood inserts.

Standard taper.

# STEERING WHEEL - GRIMANI CT/CP



#### 8M0121297

This wheel is a great value with comfortable grip and updated, sporty styling. Silver spokes, black grip, and brown-bronze inserts. Standard taper.

#### STEERING WHEEL - LOREDAN SS/CP



#### 8M0121300

This wheel is a great value with comfortable grip and updated, sporty styling. Silver spokes, black grip, and chrome inserts.

Standard taper.

# **TILLER HANDLE STEERING- BIG TILLER**

The Big Tiller has improved features and is designed to allow driving a large tiller Outboard engine easily, safely and is ergonomically friendly. The Big Tiller is used on large 40-115 HP FourStroke, 75-250 HP OptiMax, 135-200 HP 4 cylinder DTS Verado engines.

#### **MECHANICAL TILLER WITH P/S**



#### 8M0134607

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, a hydraulic locking feature eliminating torque, easy access to the throttle shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation. The RPM Adjustment switch (Troll Control) is included as standard equipment on this model.

The LED light switch is available as an option on this model.

Power Steering is strongly recommended for 75-115 HP 1.5L OptiMax. Power Steering is required for 135-250 HP OptiMax (2.5.L and 3.0L).

#### 8M0133491

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, a hydraulic locking feature to eliminate torque, easy access to the throttle shift handle and a trim button at the end of the handle, the Big Tiller provides safe and effortless operation. The RPM Adjustment switch (Troll Control) is included as standard equipment on this model.

The LED light switch is available as an option on this model.

This power steering Big Tiller model is intended for use on the 3.4L (V6) and 4.6L (V8) FourStrokes up to 250hp.

#### DTS TILLER HANDLE WITH P/S



#### 8M0134609

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, a hydraulic locking feature eliminating torque, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation.

The RPM Adjustment (Troll Control) and LED light switch are standard on this model.

Power Steering is required - 135-200 HP 4 Cylinder Verado.

#### 8M0133492

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, a hydraulic locking feature to eliminate torque, easy access to the throttle and shift handle and a trim button at the end of the handle, the Big Tiller provides safe and effortless operation.

The RPM Adjustment (Troll Control) and LED light switch are standard on this model

This power steering Big Tiller model is intended for use on the 3.4L (V6) and 4.6L (V8) FourStrokes up to 250hp.

# **MECHANICAL TILLER WITH P/S**



# 8M0134604

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, a hydraulic locking feature eliminating torque, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation. The RPM adjustment switch (Troll Control) is included as standard equipment on this model.

The LED light switch is available as an option on this model.

Power Steering is strongly recommended for the 150 FourStroke. The Big Tiller kit (Power Steering) with extra length and bent arm to attach to the 150 HP FourStroke engine.

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# **MECHANICAL TILLER WITHOUT P/S**



#### 8M0093581

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation.

The RPM Adjustment (Troll Control) and LED light switch are optional on this model.

Tiller is 3 inches shorter than previous model p/n 8M0074795. Power Steering is strongly recommended for 75-115 HP 1.5L OptiMax

#### **MECHANICAL TILLER WITHOUT P/S**



#### 879291A04

The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation.

The RPM Adjustment (Troll Control) and LED light are optional on this model.

T/S kit 40 - 60 HP not included

 $40\mbox{-}60$  HP FourStroke used with ELPT generation change S/N 1C050252 and above.

#### **MECHANICAL TILLER WITHOUT P/S**



#### 879291A05

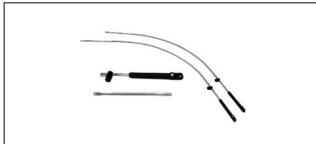
The Big Tiller is designed for optimal performance and ergonomic comfort. With improved friction adjustments, easy access to the throttle and shift handle and a trim button at the end of the handle the Big Tiller provides safe and effortless operation.

The RPM Adjustment (Troll Control) and LED light switch are optional on this model.

This is a conversion kit that allows installation of the Big Tiller on a current tiller handle model ELHPT 40 - 60 HP FourStroke with generation change S/N 1C050252 and above.

T/S kit 40 - 60 HP is not included.

# THROTTLE AND SHIFT KIT- 75-115 FOURSTROKE

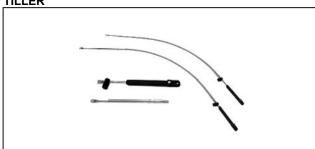


#### 8M0083500

The kit includes 2 - T/S cables. These cables are designed to provide best in class installation for this engine family.

The kit is designed to work with the 2.1L 75-115 HP FourStroke engines. (Upgrade with no spacer Ref Tiller Arm 8M0093581).

# THROTTLE AND SHIFT KIT- 75-115 1.5L OPTIMAX TILLER



#### 8M0083238

The kit includes 2 - T/S cables. These cables are designed to provide the best in class installation for this engine family.

The kit is designed to work with the  $\overline{75}$  - 115 HP OptiMax engines. (Upgrade with no spacer Ref Tiller Arm 8M0093581).

# **THROTTLE AND SHIFT KIT- 135-250 OPTIMAX**

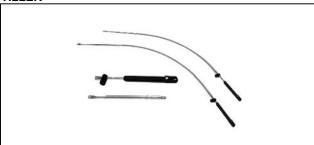


#### 8M0082353

The kit includes 2 - T/S cables. These cables are designed to provide the best in class installation for this engine family.

The kit is designed to work with the 135 - 250 HP OptiMax engines.

# THROTTLE AND SHIFT KIT- 3.0L 150 FOURSTROKE TILLER



#### 8M0082355

The kit includes 2 - T/S cables. These cables are designed to provide best in class installation for this engine family.

The kit is designed to work with the 3.0L 150 HP FourStroke engines.

# **THROTTLE AND SHIFT KIT- 150-250**

Image not Available.

#### 8M0141907

The kit includes 2 - T/S cables. These cables are designed to provide the best in class installation for this engine family.

This kit is intended to be paired with the mecahnical Big Tiller on the 3.4L (V6) and 4.6L (V8) FourStrokes up to 250hp.

#### TROLL CONTROL KIT



#### 87-8M0083437

RPM adjustment at your finger tips. This kit can be added to the Big Tiller Mechanical without P/S as an option

#### LED LIGHT AND SWITCH KIT



#### 897978T02

New LED light and Switch Kit is an option on all Mechaincal Big Tiller units. Allows for easy installation on the new Big Tiller. Light up your boat with a soft Amber light to make night fishing or early morning fishing more fexible.

#### **OUTBOARD STABILIZER CLIPS-TRAILERING**



#### 64-891762A04

Helps keep engine centered during trailering Safety orange durable plastic material

Fits most cylinder rods on engines manufactured in 1997 and newer. Snaps over outboard's hydraulic steering cylinder rods

# **POWER STEERING - SINGLE**

#### STEERING KIT 40 CM3 STANDARD HELM



#### 892380K05

Complete Power Steering Rigging Kit that includes the Power Steering Module (4 ft. lead) Std 40 CM3 Helm and engine signal harness 20 ft. in length. Hoses need to be ordered separately for Cylinder to Helm kit and Power Module to Helm Kit.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### 892380K11

Complete Power Steering Rigging Kit that includes the Power Steering Module (12 ft. lead), Std 40 CM3 Helm and engine signal harness 20 ft. in length. Hoses need to be ordered separately Cylinder to Helm kit and Power Module to Helm Kit. Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

# 892380K12

Complete Power Steering Rigging Kit that includes the Power Steering Module (24 ft. lead), Std 40 CM3 Helm and engine signal harness 20 ft. in length. Hoses need to be ordered separately Cylinder to helm kit and Power Module to Helm Kit. Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

# STEERING KIT 40 CM3 TILT



# 8M0138409

Complete Power Steering Rigging Kit that includes the Power Steering Module (4 ft. lead), Tilt 40 CM3 Helm and engine signal harness 20 ft. in length. Hoses need to be ordered separately Cylinder to Helm kit and Power Module to Helm Kit. Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### STEERING KIT 40 CM3 TILT



#### 8M0138410

Complete Power Steering Rigging Kit that includes the Power Steering Module (12 ft. lead), Tilt 40 CM3 Helm and engine signal harness 20 ft. in length. Hoses need to be ordered separately Cylinder to Helm kit and Power Module to Helm Kit. Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### STEERING KIT 40 CM3 TILT 8M0138411

Complete Power Steering Rigging Kit that includes the Power Steering Module (24 ft. lead), Tilt 40 CM3 Helm and engine signal harness 20 ft. in length. Hoses need to be ordered separately Cylinder to Helm kit and Power Module to Helm Kit. Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

# **POWER STEERING - DUAL**

#### STEERING KIT 40 CM3 STD HELM - DUAL



#### 8M0134635

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (4 ft. lead), Std 40 CM3 Helm, Dual engine adapter harness, Automatic Power switch and two engine signal harnesses 20 ft. in length. Hoses need to be ordered separately Cylinder to helm kit and Power Module to Helm Kit. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-300 HP Verado.

#### STEERING KIT 40 CM3 STD HELM 8M0134633

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (12 ft. lead), Std 40 CM3 Helm, Dual engine adapter harness, Automatic Power switch and two engine signal harnesses 20 ft. in length. Hoses need to be ordered separately Cylinder to helm kit and Power Module to Helm Kit. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-300 HP Verado.

#### 8M0134634

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (24 ft. lead), Std 40 CM3 Helm, Dual engine adapter harness, Automatic Power Switch and two engine signal harnesses 20 ft. in length. Hoses need to be ordered separately Cylinder to helm kit and Power Module to Helm Kit. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado  $135\text{-}200\,4$  Cylinder and 200-300 HP Verado.

#### STEERING KIT 50 CC STANDARD HELM 8M0128967

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (4 ft. lead), Std 50 CM3 Helm, Dual engine adapter harness, Automatic Power switch and two engine signal harnesses 30 ft. in length. Hoses need to be ordered separately Cylinder to helm kit and Power Module to Helm Kit. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-400 HP Verado. 50CM3 is required for 350-400hp.

#### 8M0128968

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (12 ft. lead), Std 50 CM3 Helm, Dual engine adapter harness, Automatic Power switch and two engine signal harnesses 30 ft. in length. Hoses need to be ordered separately Cylinder to helm kit and Power Module to Helm Kit. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-400 HP Verado. 50CM3 is required for 350-400hp.

#### 8M0128969

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (24 ft. lead), Std 50 CM3 Helm, Dual engine adapter harness, Automatic Power Switch and two engine signal harnesses 30 ft. in length. Hoses need to be ordered separately Cylinder to helm kit and Power Module to Helm Kit. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-400 HP Verado. 50CM3 is required for 350-400hp.

# STEERING KIT 40 CM3 TILT



#### 892560K56

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (4 ft. lead), Tilt 40 CM3 Helm, Dual engine adapter harness, Automatic Power Switch and two engine signal harnesses 20 ft in length. Hoses need to be ordered separately Cylinder to Helm kit and Power Module to Helm Kit. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-350 HP Verado.

#### STEERING KIT 40 CM3 TILT



#### 8M0134649

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (12 ft. lead), Tilt 40 CM3 Helm, Dual engine adapter harness, Automatic Power Switch and two engine signal harnesses 20 ft. in length. Hoses need to be ordered separately Cylinder to Helm kit and Power Module to Helm Kit. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-300 HP Verado.

# **STEERING**

#### 8M0134650

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (24 ft. lead), Tilt 40 CM3 Helm, Dual engine adapter harness, Automatic Power switch and two engine signal harnesses 20 ft. in length. Hoses need to be ordered separately Cylinder to Helm kit and Power Module to Helm Kit. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-300 HP Verado.

#### STEERING KIT 50 CC TILT HELM



#### 8M0135450

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (4 ft. lead), Tilt 50 CM3 Helm, Dual engine adapter harness, Automatic Power switch and two engine signal harnesses 30 ft. in length. Hoses need to be ordered separately as well as cylinder to helm kit and Power Module to Helm Kit when using 50 amp fuse. You will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-400 HP Verado. 50CM3 is required for 350-400hp.

#### 8M0135451

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (12 ft. lead), Tilt 50 CM3 Helm, Dual engine adapter harness, Automatic Power switch and two engine signal harnesses 30 ft. in length. Hoses need to be ordered separately as well as cylinder to helm kit and Power Module to Helm Kit when using 50 amp fuse. You will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-400 HP Verado. 50CM3 is required for 350-400hp.

#### STEERING KIT 50 CC TILT HELM



# 8M0135452

Complete Power Steering Dual Rigging Kit that includes the Power Steering Module (24 ft. lead), Tilt 50 CM3 Helm, Dual engine adapter harness, Automatic Power switch and two engine signal harnesses 30 ft. in length. Hoses need to be ordered separately as well as cylinder to helm kit and Power Module to Helm Kit when using 50 amp fuse. You will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder and 200-400 HP Verado. 50CM3 is required for 350-400hp.

# **POWER STEERING - TRIPLE**

#### **POWER STEERING 50 CM3 RIGGING KIT**



#### 8M0134644

This Power Steering Triple Rigging Kit includes 1 50 CM3 Std Helm, 3 Signal harnesses 30 ft. connect each engine to Power Module, 1 Power Module with 4 ft. battery leads, Automatic Power Switch and a Triple Engine Power Module Adapter to connect the signal wires (Use when the power module and batteries are mounted under the console). Hose kits ordered separately. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### POWER STEERING RIGGING KIT 8M0134642

This Power Steering Triple Rigging Kit includes 1 50 CM3 Std Helm, 3 Signal harnesses 30 ft. connect each engine to Power Module, 1 Power Module with 12 ft. leads, Automatic Power Switch and a Triple Engine Power Module Adapter to connect the signal wires (Use when the power module and batteries are mounted under the console). Hose kits ordered separately. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### 8M0134643

This Power Steering Triple Rigging Kit includes 1 50 CM3 Std Helm, 3 Signal harnesses 30 ft. connects each engine to Power Module, 1 Power Module with 24 ft. leads, Automatic Power Switch and a Triple Engine Power Module Adapter to connect the signal wires (Use when the power module is mounted in the back and the batteries are mounted under the console). Hose kits ordered separately. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### **POWER STEERING RIGGING KIT**



#### 8M0134638

This Power Steering Triple Rigging Kit includes 1 50 CM3 Tilt Helm, 3 Signal harnesses 30 ft long connect each engine to Power Module, 1 Power Module with 4 ft. leads, 2 each Automatic Power Switch and a Triple Engine Power Module Adapter to connect the signal wires (Use when the power module and the batteries are mounted under the console). Hose kits ordered separately. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### 8M0134636

This Power Steering Triple Rigging Kit includes 1 50 CM3 Tilt Helm, 3 Signal harnesses 30 ft. connect each engine to Power Module, 1 Power Module with 12 ft. leads, Automatic Power Switch and a Triple Engine Power Module Adapter to connect the signal wires (Use when the power module and the batteries are mounted under the console). Hose kits ordered separately. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### POWER STEERING TILT RIGGING KIT 8M0134637

This Power Steering Triple Rigging Kit includes 1 50 CM3 Tilt Helm, 3 Signal harnesses 30 ft. connects each engine to Power Module, 1 Power Module with 24 ft. leads, Automatic Power Switch and a Triple Engine Power Module Adapter to connect the signal wires (Use when the power module is mounted in the back and the batteries are mounted under the console). Hose kits ordered separately. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

# **POWER STEERING - QUAD**

#### **POWER STEERING RIGGING KIT**



#### 8M0134641

This Power Steering Quad Rigging Kit includes 1 50 CM3 Tilt Helm, 4 Signal harnesses 30 ft. connect each engine to Power Module, 1 Power Module with 4 ft. leads, 2 each Automatic Power Switch and a Quad Engine Power Module Adapter to connect the signal wires (Use when the power module and the batteries are mounted under the console). Hose kits ordered separately. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### POWER STEERING RIGGING KIT- QUAD 8M0134639

This Power Steering Quad Rigging Kit includes 1 50 CM3 Tilt Helm, 4 Signal harnesses 30 ft. connect each engine to Power Module, 1 Power Module with 12 ft. leads, 2 each Automatic Power Switch and a Quad Engine Power Module Adapter to connect the signal wires (Use when the power module and the batteries are mounted under the console). Hose kits ordered separately. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

#### POWER STEERING RIGGING KIT 8M0134640

This Power Steering Quad Rigging Kit includes 1 50 CM3 Tilt Helm, 4 Signal harnesses 30 ft. connects each engine to Power Module, 1 Power Module with 24 ft. leads, 2 Automatic Power Switch and a Quad Engine Power Module Adapter to connect the signal wires (Use when the power module is mounted in the back and the batteries are mounted under the console). Hose kits ordered separately. When using 50 amp fuse product you will need to order a Fuse/Harness Assembly when installing more than one battery.

Multiple Engine 150 FourStrokes and Optimax (No Single engines), Verado 135-200 4 Cylinder, 200-350 HP Verado, 350 SCI and 400R.

# **POWER STEERING COMPONENTS**

# **HELM - POWER STEERING - STANDARD**



#### 8M0137445

Power Steering helm with a fixed position mount. Includes cover, bracket and mounting hardware. (40 CM3) 4.1 turns lock to lock with one cylinder Multiple Engine 150 4 strokes and Optimax (No Single engines), Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCI

#### **HELM - POWER STEERING -TILT**



#### 8M0137447

Power Steering Helm 40 CM3 Tilt. Includes all brackets and hardware needed to install helm.

Provides 4.1 turns lock to lock with one cylinder

Multiple Engine 150 4 strokes and Optimax (No Single engines) , Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCI

# **HELM - POWER STEERING - STANDARD**



#### 892558A02

Power Steering helm with a fixed position mount. Includes cover, bracket and mounting hardware. (50 CM3) Use with dual cylinder applications such as triple/ quad engine installations. (6.5 turns lock to lock with two cylinders) Multiple Engine 150 4 strokes and Optimax (No Single engines), Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCI

#### **HELM - POWER STEERING -TILT**



#### 8M0137451

Power Steering Helm 50 CM3 Tilt. Includes all brackets and hardware needed to install helm.

Provides 6.5 turns lock to lock with two cylinders. Recommended for triple and quad engine installations.

Multiple Engine 150 4 strokes and Optimax (No Single engines), Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCl

#### **HELM - POWER STEERING - STANDARD**



#### 892557A02

Power Steering helm with a fixed position mount. Includes cover, bracket and mounting hardware. (32 CM3) Provides 5.1 turns lock to lock vs 4.1 turns lock to lock as option with one cylinder.

Multiple Engine 150 4 strokes and Optimax (No Single engines), Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCl

# **HELM - POWER STEERING -TILT**



#### 8M0137442

Power Steering Helm 32 CM3 Tilt. Includes all brackets and hardware needed to install helm

Provides 5.1 turns lock to lock vs 4.1 turns lock to lock as option with one cylinder Verado 200- 300 HP- Optional on 135 to 200 HP Multiple OptiMax Engines

#### **HELM DUAL STATION - STANDARD**



#### 895816A02

Power Steering dual helm with a fixed position mount. Includes cover, bracket and mounting hardware. (40 CM3) Needs 32-892825 hose to attach pressure lines (lengths come in 8 ft to 25 ft lengths). Use as primary station when using dual helms or stations. Use standard helm as the secondary station.

Multiple Engine 150 4 strokes and Optimax (No Single engines), Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCl  $\,$ 

#### **HELM DUAL STATION - TILT**



#### 8M0137456

Power Steering dual helm with a tilt position mount. Includes cover, bracket and mounting hardware. (40 CM3) Needs 32-892825\_\_\_ hose to attach pressure lines (lengths come in 8 ft to 25 ft lengths) Use as primary station when using dual helms or stations. Use standard helm as the secondary station. Requires tilt mechanism to be ordered separately.

Multiple Engine 150 4 strokes and Optimax (No Single engines) , Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCI

#### **HELM DUAL STATION - STANDARD**



# 8M0137459

Power Steering dual helm with a fixed position mount. Includes cover, bracket and mounting hardware. (50 CM3) Needs 32-892825 hose to attach pressure lines (lengths come in 8 ft to 25 ft lengths) Use as primary station when using dual helms or stations. Use standard helm as the secondary station.

Multiple Engine 150 4 strokes and Optimax (No Single engines) , Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCI

#### **HELM DUAL STATION - TILT**



#### 8M0137461

Power Steering dual helm with a tilt position mount. Includes cover, bracket and mounting hardware. (50CM3) Needs 32-892825 hose to attach pressure lines (lengths come in 8 ft to 25 ft lengths) Use as primary station when using dual helms or stations. Use standard helm as the secondary station. Requires tilt mechanism to be ordered separately.

Multiple Engine 150 4 strokes and Optimax (No Single engines) , Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCI

#### **POWER STEERING TILT**



#### 8M6003710

Replacement part for Power Steering Tilt System All Power Steering Verado Systems

# **KEYWAY - POWER STEERING-SHORT KEY**



#### 28-893394002

Used with power steering to locate steering wheel hub.

2005 and newer Verado 200-275 and 2006 Verado 135-175 Power Steering installs

Priced individually, sold @ multiples of 2

# **CYLINDER - HYDRAULIC OR POWER STEERING**



#### 898349A11

Cylinder designed to meet all Power Steering strength and performance requirements. This cylinder is the most robust design in the market. Includes all hardware to mount this cylinder including the strongest bolts to attach to the engine.

Verado 175-200 - both Power Steering or Hydraulic V6/1.5 Opti Max Hydraulic - 1.5L Opti needs to order arm 898082A03 to provide clearance 75-150 4 stroke engines.

#### CYLINDER - HYDRAULIC OR P/S- COUNTER ROTATION



#### 898349A14

Port of counter rotation cylinder designed to meet all Power Steering strength and performance requirements. This cylinder is the most robust design in the market. Includes all hardware to mount this cylinder including the strongest bolts to attach to the engine

Verado 135-200 - both Power Steering or Hydraulic. Multiple Engines V6/1.5 Opti Max Hydraulic - 1.5L Opti needs to order arm 898082A03 to provide clearance 75-115 4 stroke engines Multiple OtiMax engines - P/S 150 4 Stroke engines.

#### **CYLINDER - BIG TILLER**



#### 898349A15

Cylinder designed to meet all Power Steering strength and performance requirements. This cylinder is the most robust design in the market. Includes all hardware to mount this cylinder including the strongest bolts to attach to the engine.

Big Tiller Cylinder - 75-115 4 Stroke, 75-115 1.5L Opti, 135-250 2.5L/3.0L Opti and 135-200 4 Cylinder Verado

# **CYLINDER- POWER STEERING - BIG TILLER**



#### 8M0058944

This cylinder was released with a special bent arm that provides more clearance and is longer than the others. It is unique to the Big Tiller Power Steering . Used in complete Kit 8M0061721. 150-4S

150 HP 4 Stroke Big Tiller

# **CYLINDER - DUAL CYLINDER POWER STEERING**



#### 8M0129513

This cylinder is designed to meet all power steering strength and performance requirements. It is the most robust design in the market and includes all hardware to mount the cylinder including the strongest bolts to attach to the engine. The UC128 cylinder link is attached to the steering head.

Verado 225+ horsepower and 200 Pro FourStroke. Intended for use on pontoons, which have exceptionally high steering loads. This system increases steering torque capacity by more than 80%.

# **POWER STEERING CYLINDER**



#### 8M0118141

Used to add a cylinder to a counter rotation engine for multiple engine installations. Also used with liquid tie bar 893396A01 to add a cylinder to operate engines mounted more than 34 in. apart

2005 and newer Verado 200-300 L6 and 350 SCI

#### 8M0118141

Used to add a cylinder to a counter rotation engine for multiple engine installations. Also used with liquid tie bar 893396A01 to add a cylinder to operate engines mounted more than 34 in. apart

2005 and newer Verado 200-300 L6 and 350 SCI

#### **CYLINDER - SHORTER STROKE**



#### 8M0129527

This cylinder has s shorter stroke than the normal production cylinders. It is used for installations where engines are mounted inside the normal 26 inch distance. This cylinder reduces the chances of the engines hitting with these tight mounting options

. Verado 6 Cylinder Power Steering applications for mounting engines closer that the normal tie bar 26 inch distance.

#### **POWER STEERING MODULE**



#### 8M0131261

Power Steering pump and motor with 4 ft leads. Hoses sold separately (32-892438A\_\_, lengths from 2 ft to 8 ft (one foot increments) and 10 ft to 24 ft (two foot increments). Also requires 84-893371T\_\_(comes in 10, 20, and 30 ft lengths) to connect power module to engine. 50 Amp fuse used. When using this pump in multiple engine installations, you will need to order 898289T77, T78 or T79.

Multiple Engine 150 4 strokes and Optimax (No Single engines), Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCl

# POWER STEERING MODULE

#### 8M0131262

Power Steering pump and motor with 12 ft leads. Hoses sold separately (32-892438A\_\_, lengths from 2 ft to 8 ft (one foot increments) and 10 ft to 24 ft (two foot increments). Also requires 84-893371T\_ (comes in 10, 20, and 30 ft lengths) to connect power module to engine. 50 Amp fuse used. When using this pump in multiple engine installations, you will need to order 898289T77, T78 or T79.

Multiple Engine 150 4 strokes and Optimax (No Single engines), Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCl  $\,$ 

#### POWER STEERING MODULE 8M0131263

Power Steering pump and motor with 24 ft leads. Hoses sold separately (32-892438A\_\_, lengths from 2 ft to 8 ft (one foot increments) and 10 ft to 24 ft (two foot increments). Also requires 84-893371T\_\_(comes in 10, 20, and 30 ft lengths) to connect power module to engine. 50 Amp fuse used. When using this pump in multiple engine installations, you will need to order 898289T77, T78 or T79.

Multiple Engine 150 4 strokes and Optimax (No Single engines), Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCl  $\,$ 

# **FUSE ASSEMBLY**



#### 88-79023A93

90 amp with 13/32 in. (10 mm) diameter mounting hole Used on Verado power steering as well as various MerCruiser starter applications.

#### **FUSE 50 AMP**



#### 88-79023A94

50 Amp fuse used with Power Steering System. APS to Battery Power Steering System

# **FUSE COVER ASY**



#### 879346T24

Used with Fuse/Harness asy for Power Steering Systems Power Steering Systems

# **FUSE/HARNESS ASSEMBLY**



#### 84-8M0144917

New 3 FT fuse /harness asy will be used with the new 50 amp Power Steering circuit. It will connect from the APS module to the battery. Used with Power Steering Pumps 892440A17,A18 and A19
Used on all Power Steering installations

#### 84-8M0144923

New 5 FT fuse /harness asy will be used with the new 50 amp Power Steering circuit. It will connect from the APS module to the battery. Used with Power Steering Pumps 892440A17,A18 and A19

Used on all Power Steering installations

# **FUSE/HARNESS ASSEMBLY**



#### 84-8M0144924

New 10 FT fuse /harness asy will be used with the new 50 amp Power Steering circuit. It will connect from the APS module to the battery. Used with Power Steering Pumps 892440A17,A18 and A19

Used on all Power Steering installations

# **POWER STEERING HOSE-DAMPENER**



# 32-897643A01

Hose used to reduce noise of the power steering system Multiple Engine 150 4 strokes and Optimax (No Single engines) , Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCI

# **SYNTHETIC POWER STEERING FLUID SAE 0W-30**



#### 92-858076K01

Recommended for electric power steering systems such as Verado.
Recommended for transmission and steering and actuator systems for Zeus drives
Priced individually, sold @ multiples of 12
236 ml (8 fl oz) plastic bottle
Mercury Branded

# **SYNTHETIC POWER STEERING FLUID SAE 0W-30**



#### 92-858077K01

Recommended for electric power steering systems such as Verado, JPO and Axius Gen I only. Recommended for transmission and steering and actuator systems for Zeus drives

Priced individually, sold @ multiples of 6 946 ml (32 fl oz) plastic bottle

Mercury Branded

#### **DUAL ENGINE ADAPTER-P/S "Y" HARNESS**



#### 84-892868T01

Used to connect two engines and two signal harnesses together to run both engine from one power module. "Y" harness  $\,$ 

Verado Engines 200-300 HP and 350 SCI - Optional on 135-200 HP

# TRIPLE ENGINE ADAPTER- P/S "Y" HARNESS



# 84-892868T02

Used to connect three engines and three signal harnesses together to run three engine from one power module. Each engine requires a signal harness hooked up to the Power Module

2005 Verado Engines 200-300 HP and 350 SCI - Optional on 135-200 4 cylinder Verado

#### **QUAD ENGINE ADAPTER- P/S "Y" HARNESS**



#### 84-892868T03

Used to connect four engines and four signal harnesses together to run Quad engines from one power module. Each engine requires a signal harness hooked up to the Power Module.

2006 Verado Engines 200-300 HP and 350 SCI - Optional on 135-200 4 cylinder verado

#### HARNESS-POWER STEERING - SIGNAL



#### 84-8M0138676

Connects the power steering module to the engine which provides communication from engine to the power steering. 10 foot length. Multiple engine installations require one harness per engine.

Verado Engines 200-400 HP - Optional on 135-200 HP

#### 84-8M0138677

Connects the power steering module to the engine which provides communication from engine to the power steering. 20 foot length. Multiple engine installations require one harness per engine.

Verado Engines 200-400 HP - Optional on 135-200 HP

#### 84-8M0138678

Connects the power steering module to the engine which provides communication from engine to the power steering. 30 foot length. Multiple engine installations require one harness per engine.

Verado Engines 200-400 HP - Optional on 135-200 HP

# **80 AMP AUTOMATIC POWER SWITCH**



#### 87-8M0133815

Up to three batteries can be used on the 80 Amp automatic power switch Used with multiple engine/battery installations when a Verado power steering pump is used. Allows the Power steering pump to run off of either the port or starboard crank battery.

# ELECTRICAL ISOLATOR KIT- DUAL OPTI AND 150 FOURSTROKE



#### 8M0073037

Used to add Power steering option to Dual OptiMax or 150 FourStroke engines Dual OptiMax or 150 FourStroke Engines

# ELECTRICAL ISOLATOR KIT- TRIPLE OPTI AND 150 FOURSTROKE



#### 8M0073038

Used to add Power steering option to Triple OptiMax or 150 FourStroke engines Triple OptiMax and 150 FourStroke Engines

#### **POWER STEERING PRIMER MODULE**

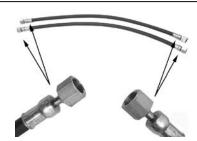


# 91-895040K01

Used to prep the Power Steering system. Module allows pump to be run without starting engine. Allows bleeding and testing of power Steering system out of the water

Verado Engines 200-300 HP- Optional on 135-200 HP

#### HOSE KIT- P/S AND MERCURY HYDRAULIC -CYL/HELM



#### 32-8M0046914

Kit includes two hoses of same length (2 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI Mercury Branded

#### 32-8M0046915

Kit includes two hoses of same length (3 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046916

Kit includes two hoses of same length (4 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046917

Kit includes two hoses of same length (5 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M004691

Kit includes two hoses of same length (6 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046919

Kit includes two hoses of same length (7 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046920

Kit includes two hoses of same length (8 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046921

Kit includes two hoses of same length (10 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046922

Kit includes two hoses of same length (12 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046923

Kit includes two hoses of same length (14 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046924

Kit includes two hoses of same length (16 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

# STEERING

#### 32-8M0046925

Kit includes two hoses of same length (18 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046926

Kit includes two hoses of same length (20 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046927

Kit includes two hoses of same length (22 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046928

Kit includes two hoses of same length (24 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046929

Kit includes two hoses of same length (26 ft) to connect the Helm to the Cylinder on the engine. (Power Steering)

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046930

Kit includes two hoses of same length (28 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046931

Kit includes two hoses of same length (30 ft) to connect the Helm to the Cylinder on the engine.

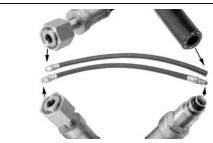
Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

#### 32-8M0046932

Kit includes two hoses of same length (32 ft) to connect the Helm to the Cylinder on the engine.

Verado Engines 200-300 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering) MCM Power Steering (879273A01/A02) 350 SCI

# POWER STEERING HOSE KIT- POWER MODULE TO HELM



#### 32-892438K02

Kit includes two hoses of same length (2 ft) to connect the Power Module to the Helm.

( Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K03

Kit includes two hoses of same length (3 ft) to connect the Power Module to the Helm. ( Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K04

Kit includes two hoses of same length (4 ft) to connect the Power Module to the helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K05

Kit includes two hoses of same length (5 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

# 32-892438K06

Kit includes two hoses of same length (6 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K07

Kit includes two hoses of same length (7 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K08

Kit includes two hoses of same length (8 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K10

Kit includes two hoses of same length (10 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K12

Kit includes two hoses of same length (12 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K14

Kit includes two hoses of same length (14 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K16

Kit includes two hoses of same length (16 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

# 32-892438K18

Kit includes two hoses of same length (18 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K20

Kit includes two hoses of same length (20 ft) to connect the Power Module to the Helm.. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

# 32-892438K22

Kit includes two hoses of same length (22 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)

#### 32-892438K24

Kit includes two hoses of same length (24 ft) to connect the Power Module to the Helm. (Power Steering)

Verado Engines 200-350 HP- 135-200 HP (Power Steering and Mercury Hydraulic Steering)



# **HOSE- PRESSURE- DUAL STATION**



#### 32-8M0148099

Used to connect dual station/ Helm together (6 ft) Power Steering Verado Engines - 135 to 350 HP Power Steering Can also be used for MCM PS System

#### 32-892825008

Used to connect dual station/ Helm together (8 ft) Power Steering Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS System

#### 32-892825010

Used to connect dual station/ Helm together (10 ft) Power Steering Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS System

#### 32-892825012

Used to connect dual station/ Helm together (12 ft) Power Steering
Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS
System

#### 32-892825014

Used to connect dual station/ Helm together (14 ft) Power Steering Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS System

#### 32-892825016

Used to connect dual station/ Helm together (16 ft) Power Steering Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS System

#### 32-892825018

Used to connect dual station/ Helm together (18 ft) Power Steering Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS System

#### 32-892825020

Used to connect dual station/ Helm together (20 ft) Power Steering Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS System

#### 32-892825022

Used to connect dual station/ Helm together (22 ft) Power Steering Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS System

#### 32-892825024

Used to connect dual station/ Helm together (24 ft) Power Steering Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS System

#### 32-892825026

Used to connect dual station/ Helm together (26 ft) Power Steering Verado Engines - 135 to 300 HP Power Steering Can also be used for MCM PS System

# **POWER STEERING HOSE-DAMPENER**



#### 32-897643A01

Hose used to reduce noise of the power steering system Multiple Engine 150 4 strokes and Optimax (No Single engines) , Verado 135-200 4 cylinder, 200-300 Verado 6 cylinder, 350 SCI

#### FITTING - BULKHEAD 3/4 IN. MALE TO MALE



#### 22-892517

Fitting - Bulkhead 3/4 in. Male To Male.

Used to install a bulkhead installation 0 in. to 3/4 in Maximum wall thickness grip length- Power Steering.

# FITTING- BULKHEAD 3 IN. MALE TO MALE



#### 22-892518

Fitting- Bulkhead 3 in. - Male To Male Power Steering Fittings.

Used to install bulkhead installations 3/4 in. to 3 in. maximum wall thickness grip length.

# STRAIGHT FITTING 9/16 IN.



#### 22-892519

Fitting- Straight 9/16 in. to Cylinder - 6 to 4. Power Steering fittings.

Allows straight cylinder hose connections at Outboard Steering cylinder vs 90 degree (replaces 889552)

#### TEE FITTING MALE 9/16 IN.



#### 22-892520

Tee Fitting Male 9/16 in. Power Steering Fitting- Allows Tee connection of the cylinder hose ends

Verado Engines - 135 to 300 HP Power Steering

# **TEE FITTING FEMALE 9/16 IN.**



#### 22-892521

Tee Fitting Female 9/16 in. Power Steering Fitting- Allows "T" connection of 2 cylinder hoses ends with cylinder of helm fittings
Verado Engines - 135 to 300 HP Power Steering

# CAP MALE 9/16 IN.



# 22-892522

 $\mbox{\it Cap}$  - Zinc plated brass 9/16 in. Male. Power Steering Fitting- allows you to cap cylinder hoses for service

# **CAP MALE 11/16 IN.**



#### 22-892523

Cap - Zinc plated brass 11/16 in. Male. Power Steering Fitting- allows you to cap pressure hoses for service

# CAP FEMALE 9/16 IN.



#### 22-892524

Cap - Zinc plated brass 9/16 in. Female. Power Steering Fittings- allows you to cap cylinder:helm (right and left ) fittings for service
Verado Engines - 135 to 300 HP Power Steering

# **CAP BRASS FEMALE 11/16 IN.**



#### 22-892525

Cap - Zinc plated brass Female 11/16 in. Power Steering Fittings- Allows you to cap helm for service

# **UNION FITTING MALE TO MALE 9/16 IN.**



# 22-892526

Union Fitting Male to Male 9/16 in. Power Steering Fittings-- For connecting 2 cylinder hoses end to end

# UNION FITTING MALE TO MALE 11/16 IN.



#### 22-892527

Union Fitting Male to Male 11/16 in. Power Steering Fittings- to connect 2 pressure hoses end to end

#### **ELBOW FITTING FEMALE 9/16 IN.**



#### 22-892528

Elbow Fitting Female to Male 9/16 in.. Power Steering Fittings to allow 90 degree connection at helm (R&L port)

Verado Engines - 135 to 300 HP Power Steering

#### FITTING KIT BULKHEAD



#### 64-8M0088973

Improved bulkhead fitting kit with chrome housing for multiple hose installations. Multiple Hose Installations for Compression style hoses.

#### **ELBOW-FEMALE TO MALE**



#### 22-897726

Female to Male .6875 Inch (11/16)
Power Steering Fittings- To allow 90 degree connection at helm (R&L port)
Power Steering Fittings

# POWER STEERING HOSE KITS-JOYSTICK PILOTING

# **JOYSTICK PILOTING STEERING HOSES**



#### 32-8M0078210

Kit includes two hoses of the same length (10 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

#### JOYSTICK PILOTING HOSES

#### 32-8M0078211

Kit includes two hoses of the same length (12 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

#### 32-8M0078212

Kit includes two hoses of the same length (14 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

#### 32-8M0078213

Kit includes two hoses of the same length (16 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

# 32-8M0078214

Kit includes two hoses of the same length (18 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

#### 32-8M0078215

Kit includes two hoses of the same length (20 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

# 32-8M0078216

Kit includes two hoses of the same length (22 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

#### 32-8M0078217

Kit includes two hoses of the same length (24 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

# 32-8M0032520

Kit includes two hoses of same length (26 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

#### 32-8M0032530

Kit includes two hoses of the same length (28 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

#### 32-8M0032547

Kit includes two hoses of the same length (30 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

#### 32-8M0032630

Kit includes two hoses of the same length (32 ft) for use on Joystick Piloting. The hoses will route from the pump to the bulk head fitting.

Can be used on Verado 250-350 HP and 400R Joystick installations.

### **TIE BAR KITS**

#### **HEAVY DUTY TIE BAR KIT- DUAL**



#### 8M0096314

Heavy Duty 26 inch Tie Bar allows two engines to be attached together +/- 1.25 inches

Tie Bar has been engineered for higher horse power applications with improved retaining design. 26 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines

#### 8M0096315

Heavy Duty 28 inch Tie Bar allows two engines to be attached together +/- 1.25

Tie Bar has been engineered for higher horse power applications with improved retaining design.

28 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines

#### 8M0096316

Heavy Duty 30 inch Tie Bar allows two engines to be attached together +/- 1.25 inches

Tie Bar has been engineered for higher horse power applications with improved retaining design.

30 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines

#### 8M0096317

Heavy Duty 32 inch Tie Bar allows two engines to be attached together +/- 1.25 inches.

Tie Bar has been engineered for higher horse power applications with improved

retaining design. 32 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines

#### 8M0096319

Heavy Duty 34 inch Tie Bar allows two engines to be attached together +/- 1.25 inches

Tie Bar has been engineered for higher horse power applications with improved retaining design

34 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines

#### 8M0097267

Heavy Duty 36 inch Tie Bar allows two engines to be attached together +/- 1.25

Tie Bar has been engineered for higher horse power applications with improved retaining design.

36 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines.

#### **HEAVY DUTY TIE BAR ADD AN ENGINE KIT**



#### 8M0096320

Add An Engine 26 inch Tie Bar allows triple and quad engines to be attached 1.25 inches.

Tie Bar has been engineered for higher horse power applications with improved heavy duty design.

26 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines

#### 8M0096321

Add An Engine 28 inch Tie Bar allows triple and quad engines to be attached together +/- 1.25 inches

Tie Bar has been engineered for higher horse power applications with improved heavy duty design. 28 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines

#### 8M0096322

Add An Engine 30 inch Tie Bar allows triple and guad engines to be attached together +/- 1.25 inches.

Tie Bar has been engineered for higher horse power applications with improved heavy duty design. 30 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines

#### 8M0096323

Add An Engine 32 inch Tie Bar allows triple and quad engines to be attached

together +/- 1.25 inches. Tie Bar has been engineered for higher horse power applications with improved heavy duty design.

32 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines.

#### 8M0096324

Add An Engine 34 inch Tie Bar allows triple and quad engines to be attached 1.25 inches

Tie Bar has been engineered for higher horse power applications with improved heavy duty design. 34 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines.

#### 8M0097268

Add An Engine 36 inch Tie Bar allows triple and quad engines to be attached together +/- 1.25 inches.

Tie Bar has been engineered for higher horse power applications with improved heavy duty design. 36 +/- 1.25 inches

2.6L L6 Gen 5 and 4.6L Verado Engines

#### **TIE BAR KIT- DUAL**



#### 8M0088753

Allows two engines to be attached together 30" to 32 " New Tie Bar has added plating for improved protection and new retaining design Now comes in 2 inch increments

Verado Engines 200-300 HP and 350 SCI (5 inch maximum vertical offset between engines)

#### TIE BAR- SINGLE CYLINDER DUAL ENGINE



#### 64-8M0063473

This tie bar can be used on a dual installation with just one cylinder. 26 inch length with 1 inch of total adjustability.

75-115 HP EFI 4 Stroke OB (s/n 1B366823 & above), 150 4 Stroke, 135-200 4 cylinder Verado, OptiMax, and 3.4 & 4.6L FourStrokes up to 250hp. Use only with Mercury cylinders for dual engine applications

#### 64-8M0063474

This tie bar can be used on a dual installation with just one cylinder. 28 inch length with 1 inch of total adjustability.

75-115 HP EFI 4 Stroke OB (s/n 1B366823 & above), 150 4 Stroke, 135-200 4 cylinder Verado, OptiMax, and 3.4 & 4.6L FourStrokes up to 250hp. Use only with Mercury cylinders for dual engine applications.

#### 64-8M0063475

This tie bar can be used on a dual installation with just one cylinder. 30 inch length with 1 inch of total adjustability.

75-115 HP EFI 4 Stroke OB (s/n 1B366823 & above), 150 4 Stroke, 135-200 4 cylinder Verado, OptiMax, and 3.4 & 4.6L FourStrokes up to 250hp. Use only with Mercury cylinders for dual engine applications.

#### 64-8M0063476

This tie bar can be used on a dual installation with just one cylinder. 32 inch length with 1 inch of total adjustability.

75-115 HP EFI 4 Stroke OB (s/n 1B366823 & above), 150 4 Stroke, 135-200 4 cylinder Verado, OptiMax, and 3.4 & 4.6L FourStrokes up to 250hp. Use only with Mercury cylinders for dual engine applications.

#### 64-8M0063477

This tie bar can be used on a dual installation with just one cylinder. 34 inch length with 1 inch of total adjustability.

75-115 HP EFI 4 Stroke OB (s/n 1B366823 & above), 150 4 Stroke, 135-200 4 cylinder Verado, OptiMax, and 3.4 & 4.6L FourStrokes up to 250hp. Use only with Mercury cylinders for dual engine applications.

#### **TIE BARS - DUAL ENGINES**



#### 64-892789Q22

26 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 66.0 cm (26 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q23

28 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 71.1 cm (28 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q25

30 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 76.2 cm (30 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q26

32 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 81.3 cm (32 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q27

34 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 86.4 cm (34 in.)

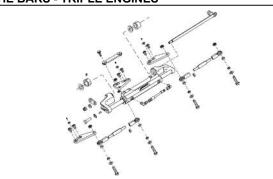
For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q24

36 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 91.5 cm (36 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### **TIE BARS - TRIPLE ENGINES**



#### 892789Q32

26 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 66.0 cm (26 in.)

For use with the 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes. Also used on multiple 150 4 strokes.

#### 892789Q33

28 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 71.1 cm (28 in.)

For use with the 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes. Also used on multiple 150 4 strokes.

#### LIQUID TIE BAR KIT



#### 893396A02

Sequence valve for use with dual engines mounted more than 34 inches apart. With additional steering cylinder with wide dual engines, steering cylinders are connected in series. Valve allows for alignment / re-alignment. Add additional cylinder on counter rotation engines. (Verado 200-350 HP)

2005 and newer Verado Engines 135-400 HP, and can also be used with the 75-115 EFI FourStroke outboard (s/n 1B366823 & above).

#### **BRACKET-TIE BAR (WITH BOSSES)**



#### 892367T03

Bracket that allows you to install the magnet on the Rudder Feedback Kit. Bracket with bosses needed to mount the magnet. Verado 200-300 HP engines.

#### **TIE BAR KIT - PORT MOUNTED KICKER**



#### 898370A03

Tie bar for Manual Hydraulic Steering System to attach primary engine to kicker engine. Engine will be mounted on the Port side of the primary engine Verado 175-200 HP as well as Mercury's bolt-on steering system for OptiMax, 75-115 FourStrokes, and the 3.4 and 4.6L FourStrokes.

#### TIE BAR KIT - STARBOARD MOUNTED KICKER



#### 898966A02

Tie bar for Manual Hydraulic Steering System to attach primary engine to kicker engine. Engine will be mounted on the Starboard side of the primary engine Verado 175-200 HP as well as Mercury's bolt-on steering system for OptiMax, 75-115 FourStrokes, and 3.4 & 4.6L FourStrokes.

#### **DRIVE BRACKET ONLY**



#### 67-892763A15

Heavy duty stainless steel bracket. Bracket used on Panther Model 55-2700 Panther Model 55-2750

#### **BRACKET-KICKER ENGINE ATTACHMENT**



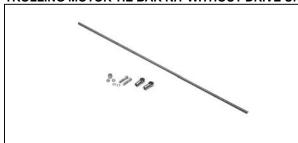
#### 892822A02

Unique bracket used to hook up a kicker engine with Verado. Special bracket is attached to Verado engine to allow attachments. 2005 Verado Engines 200-300 HP

#### KICKER ENGINE BRACKET 8M0097850

Bracket is used to mount a kicker engine with a Verado engine. Bracket is used on Gen 5 Verado engines

#### TROLLING MOTOR TIE BAR KIT WITHOUT DRIVE UNIT



#### 67-892763A24

Heavy duty auxiliary steering kit connects an auxiliary trolling motor to your main motor. It is 1/2 inch thick. Ideal for large Walleye/ Great Lakes boats with rough water running conditions

Panther Model 55-2700

#### TROLLING MOTOR TIE BAR KIT



#### 67-892763A14

Heavy duty auxiliary steering kit connects an auxiliary trolling motor to your main motor. It is 1/2 inch thick. Drive bracket is 100% stainless steel. Ideal for large Walleye/ Great Lakes boats with rough water running conditions

Panther Model 55-2700

#### 175HP+ KICKER ELECTRICAL KIT

Image not Available.

#### 8M0149838

This system allows you to run your kicker engine and use the power steering system without your primary engine running. This system allows you to connect to a deep cell battery (not your starter battery) and the system will provide normal power steering from the wheel. The system will alert you when your auxiliary battery is below 9.5 volts. This signal means that you must start your primary engine to change the battery system. This kit will save the starting battery for primary starting use only. Must select the appropriate isolator to be paired with this system, dependent on engine configuration.

175hp+ power steering systems with a kicker engine. 200-350 Verado 2015 (Gen 5) and newer and all 175-300hp 3.4L and 4.6L engines.

# HYDRAULIC STEERING - BASIC AND HEAVY DUTY SYSTEMS

Both the Basic and the Heavy Duty Hydraulic Systems in this section will use the hoses listed. (8M0053474 to 8M0053492) Note that the Basic is for single engines only - 150 HP and below. The Heavy Duty systems are for single engines above 150 HP as well as multiple engines. Fittings are listed in this section that can be installed to the compression style connections.

#### **CYLINDER - HYDRAULIC - STANDARD**

Image not Available.

#### 8M0141911

This Basic hydraulic cylinder has the same robust performance design requirement as our heavy duty cylinder. It is qualified to the same 300,000 cycle as our other steering systems, has high strength fasteners, stainless steel arm, heavy duty triple seal cartridges for enhanced duribility and longevity high quality fittings using swaged compression style hose connections.

All Single Outboard - 150 HP and below (1.5L Opti engine requires the special arm - cylinder 8M0056619)

#### **CYLINDER - HYDRAULIC - STANDARD**



#### 8M0056619

This Basic hydraulic cylinder has the same robust performance design requirement as our heavy duty cylinder. It is qualified to the same 300,000 cycle as our other steering systems, has high strength fasteners, stainless steel arm, with a special bend for clearance, heavy duty triple seal cartridges for enhanced duribilty and longevity. High quality fittings using swaged compression style hose connections. Mercury OB - 1.5L ObtiMax

#### **HYDRAULIC HELM - BASIC SYSTEM**



#### 8M0050098

This hydraulic helm is a std 20 CC / 1.2 Cu Inch helm with compression style fittings. It is used with the 8M0054993 Basic cylinder. The shaft is anodized steel with a composite tank. The pressure relief is 1000 PSI for high torque applicactions for improved performance. (5.2 Lock to lock wheel turns). Single engine 75-150 HP (includes new 150 HP 4 Stroke)

#### **HYDRAULIC HELM - BASIC SYSTEM**



#### 8M0050099

This hydraulic helm is a Tilt 20 CC / 1.2 Cu Inch helm with compression style fittings. It is used with the 8M0054993 Basic cylinder. The shaft is anodized steel with a composite tank. The pressure relief is 1000 PSI for high torque applicactions for improved performance. (5.2 Lock to lock wheel turns). Single engine 75-150 HP OB (Includes new 150 HP 4 stroke)

# HYDRAULIC HELM AND CYLINDER- SMALL- STD W-O HOSES



#### 8M0077699

This kit includes a small cylinder and a new 1.2 Cubic Inch (20cc) Standard Helm. They do not come with hoses, you will need to order Compression Style fitting hoses 8M0053474 thru 8M0053491 hose kits (1000 PSI relief).

Used on any brand Single Engine Outboard 150 HP and below

# HYDRAULIC HELM AND CYLINDER- SMALL- TILT W-O



#### 8M0077701

This kit includes a small cylinder and a new 1.2 Cubic Inch (20cc) Tilt Helm. They do not come with hoses, you will need to order Compression Style fitting hoses 8M0053474 thru 8M0053491 hose kits (1000 PSI relief).

Used on any brand Single Engine Outboard 150 HP and below

#### CYLINDER WITH COMPRESSION STYLE FITTINGS



#### 8M0050097

Heavy Duty Hydraulic standard cylinder that uses compression hoses 8M0053474 - 8M005053491. This cylinder is tested to Mercury's rigid standards that include higher loads and cycle testing to 300,000 cycles. It includes machined, high strength fasteners, electro polished SS arm, and heavy duty triple seal cartridges for enhanced duribility and longevity

135-300 HP OPTI Max Outboards and 4 Cylinder Verado (Hydraulic only) Use on single, dual and triple installations

#### CYLINDER WITH COMPRESSION STYLE FITTINGS-**PORT**



#### 8M0056145

Heavy Duty Hydraulic cylinder counter rotation that uses compression hoses 8M0053474 - 8M005053491. This cylinder is tested to Mercury's rigid standards that include higher loads and cycle testing to 300,000 cycles. It includes machined, high strength fasteners, electro polished SS arm, and heavy duty triple seal cartridges for enhanced duribility and longevity

135-300 HP OPTI Max Outboards and 4 Cylinder Verado (Hydraulic only) Use on dual and triple installations (Counter rotation)

# **HYDRAULIC HELM PUMP - COMPRESSION STYLE**



#### 8M0056139

Front Mount Standard helm - 1.5 cu in (25 CC.) displacement. Approximately 5 turns lock to lock on singles (Use Compression style fittings and hoses) and 8 on dual cylinders

Compact design Built-in valve for positive rudder lock

Integral relief valve for over pressure protection- 1500 PSI

Use with cylinder 8M0050097 and hoses 8M0053474 thru 8M0053492. Use on 

#### 8M0056140

Front Mount Tilt helm - 1.5 cu in (25 CC.) displacement. Approximately 5 turns lock to lock on singles

and 8 on dual cylinders

Compact design
Built-in valve for positive rudder lock
Integral relief valve for over pressure protection - 1500 PSI

(Use

Compression style fittings and hoses)

Use with cylinder 8M0050097 and hoses 8M0053474 thru 8M0053492. Use on single or multiple OptiMax powered boats. Use on Verado 4 cylinder Hydraulic steering installation.

Front Mount Standard helm - 2.0 cu in (33CC.) displacement. Approximately 4.7 turns lock to lock on singles

and 7.3 on dual cylinders

Compact design
Built-in valve for positive rudder lock
Integral relief valve for over pressure protection - 1500 PSI

(Use

Compression style fittings and hoses)

Use with cylinder 8M0050097 and hoses 8M0053474 thru 8M0053492. Use on single or multiple OptiMax powered boats. Use on Verado 4 cylinder Hydraulic steering installation.

Front Mount Tilt helm - 2.0 cu in (33 CC.) displacement. Approximately 4.7 turns

lock to lock on singles and 7.3 on dual cylinders

Compact design
Built-in valve for positive rudder lock

Integral relief valve for over pressure protection - 1500 PSI

Compression style fittings and hoses)

Use with cylinder 8M0050097 and hoses 8M0053474 thru 8M0053492. Use on single or multiple OptiMax powered boats. Use on Verado 4 cylinder Hydraulic steering installation.



#### **HYDRAULIC HELM PUMP -Q/S**



#### 8M0056143

Front Mount 2.4 cu in (39 CC) displacement. Approximately 3 turns lock to lock on singles (Use Compression style fittings and hoses) and 6.5 on dual cylinders
Compact design

Built-in valve for positive rudder lock

Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 175-4 stroke engines
Also can be used on OptiMax with Mercury hydraulic cylinder and hoses. Also can be used on OptiMax with Mercury hydraulic cylinder and hoses Also can be used on 75-115 4 stroke and 1.5L opti 75-115 HP

Use cylinder 8M0050097 for Std and 8M0056145 for counter for multiple engine installs. Hose series is 8M0053474 thru 8M0053492

#### **HYDRAULIC HELM PUMP -Q/S-TILT**



Front Mount 2.4 cu in (39 CC) displacement. Approximately 3 turns lock to lock on singles (Use Compression style fittings and hoses) and 6.5 on dual cylinders

Compact design
Tilt Range of 48 Deg and 5 locking positions
Built-in valve for positive rudder lock

Integral relief valve for over pressure protection Hydraulic Steering for Verado 135 to 175-4 stroke engines

Also can be used on OptiMax with Mercury hydraulic cylinder and hoses. Also can be used on OptiMax with Mercury hydraulic cylinder and hoses Also can be used

on 75-115 4 stroke and 1.5L opti 75-115 HP Use cylinder 8M0050097 for Std and 8M0056145 for counter for multiple engine installs. Hose series is 8M0053474 thru 8M0053492

#### **HYDRAULIC STEERING KIT -Q/S**



#### 8M0073922

Quicksilver 1.5 cu in displacement Std Helm kit with Cylinder and Hoses. (14 ft) Approximately 5 turns lock to lock on a single engine

Hydraulic Steering - 75 HP engines and above (Use with Compression type hoses 8M0053473 thru 8M0053449)

#### 8M0073923

Quicksilver 1.5 cu in displacemen Std Helm kit with Cylinder and Hoses. (16 ft) Approximately 5 turns lock to lock on a single engine

Hydraulic Steering - 75 HP engines and above (Use with Comptression type hoses 8M0053473 thru 8M0053449)

#### 8M0073924

Quicksilver 1.5 cu in displacemen Std Helm kit with Cylinder and Hoses. (18 ft) Approximately 5 turns lock to lock on a single engine

Hydraulic Steering - 75 HP engines and above (Use with Comptression type hoses 8M0053473 thru 8M0053449)

#### 8M0073925

Quicksilver 1.5 cu in displacemen Std Helm kit with Cylinder and Hoses. (20 ft) Approximately 5 turns lock to lock on a single engine

Hydraulic Steering - 75 HP engines and above (Use with Comptression type hoses 8M0053473 thru 8M0053449)

#### 8M0073927

Quicksilver 1.5 cu in displacemen Std Helm kit with Cylinder and Hoses. (22 ft) Approximately 5 turns lock to lock on a single engine

Hydraulic Steering - 75 HP engines and above (Use with Comptression type hoses 8M0053473 thru 8M0053449)

Quicksilver 1.5 cu in displacemen Std Helm kit with Cylinder and Hoses. (24 ft) Approximately 5 turns lock to lock on a single engine

Hydraulic Steering - 75 HP engines and above (Use with Comptression type hoses 8M0053473 thru 8M0053449)

#### **HYDRAULIC HOSE - COMPRESSION STYLE FITTINGS**



#### 32-8M0053474

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (2 ft)

Used with 8M0054993/8M0056619 "Basic" Cylindersas well as the 8M0050097/8M0054145 "Heavy Duty" systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053475

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (3 ft)

Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053476

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (4 ft)

Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053477

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (5 ft)

Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053478

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (6 ft)

Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

# **STEERING**

#### 32-8M0053479

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (7 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053480

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (8 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053481

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (10 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053482

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (12 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053483

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (14 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053484

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (16 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053485

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (18 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053486

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (20 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053487

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (22 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053488

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (24 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M005098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053489

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (26 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053490

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (28 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053491

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (30 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053492

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (32 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### **VENTED HELM CAP-VCAP**



#### 64-891667Q01

VCAP Vented helm cap for use on Q/S helms 891665Q02 and 891666Q01

#### **NON VENTED CAP**



#### 19-898432

Required for dual station installations of steering system.

#### REMOTE FILL KIT FOR HYDRAULIC STEERING



#### 64-889934A05

Remote fill adapter for rear mount and tilt mount Hydraulic pumps Hydraulic Steering for Verado 135 to 200-4 stroke engines Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

#### **HYDRAULIC STEERING ARM**



#### 898082403

This arm attaches the cylinder to the engine for 1.5L OptiMax engines. Remove existing arm on 898349A01 cylinder and replace it with this arm for proper clearances

1.5L OptiMax engines

#### **VENTED HELM CAP-VCAP**



#### 64-891667Q01

VCAP Vented helm cap for use on Q/S helms 891665Q02 and 891666Q01

#### ADAPTER FOR POWER PURGE



#### 64-889934A06

Adapter for the Power Purge system
Hydraulic Steering for Verado 135 to 200-4 stroke engines
Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

#### **FITTING - 90 DEGREE**



#### 22-8M6000760

90 degree fitting used with compression style hydraulic sytems (1/4 - 18 NPT to 3/8 compression)

Hydraulic Compression Steering systems

#### **TEE FITTING**



#### 22-8M6000771

.375 Inch, Tee fitting used with compression style hydraulic sytem. (3/8 compression)

Hydraulic Compression Steering systems

#### FITTING - 1/4-18 NPTF TO 3/8 COMPRESSION



#### 22-8M6000772

Fitting used with compression style hydraulic sytems (1/4 - 18 NPTF to 3/8 compression)

Hydraulic Compression Steering systems

#### **BULKHEAD FITTING - COMPRESSION STYLE**



#### 22-8M6001381

Bulkhead fitting for Compression style Hydraulic Steering Systems .375 x 2.50 inch

Compression Style Hydraulic Systems

#### FITTING-TEE BLEEDER



#### 22-8M0041173

 $3/8\ Comp\ x\ 6\ ORFS$  Tee fitting used on the compression style cylinders (1500 PSI) 8M0050097 and 8M0054993 cylinders

#### **FITTING BULKHEAD 3 INCH**



#### 22-8M0055326

Bulkhead fitting used with compression style steering hoses (.375 inch compression X 3 inch LG)  $\,$ 

Hydraulic Compression Steering Systems

#### FITTING KIT BULKHEAD



#### 64-8M0088973

Improved bulkhead fitting kit with chrome housing for multiple hose installations. Multiple Hose Installations for Compression style hoses.

#### **FITTING - TEE**



#### 22-8M6001390

Used with Compression style hydraulic systems.
Tee - 3/8 in. Compression X 3/8 in. male

Hydraulic Compression style systems - Basic and Heavy Duty

#### FITTING - 90 DEGREE



#### 22-8M6001392

Used with Compression style hydraulic systems. 90 degree- 3/8 in. Compression X 3/8 in.male Hydraulic Compression style systems - Basic and Heavy Duty

## HYDRAULIC OUTBOARD STEERING SYSTEM

#### **HYDRAULIC OUTBOARD STEERING KIT UP TO 115HP**



#### 8M0153154

Kit includes: Intermediate mount helm pump, front mount outboard cylinder, hose kit(1/4 in. - 6m length) and fitting pre-assembled at one end. For outboards from 40HP-115HP. Includes synthetic power steering fluid SAE 0W30 (2L) (PN 858077K01).

Mercury Branded

# HYDRAULIC STEERING - COMMON TO POWER STEERING

These parts are used to install Hydraulic Steering with the Power Steering components. Use hoses 8M0046914 thru 8M0046932 are the hoses that go with these cylinders and helms. All fittings are Power steering fittings found in the Power Steering section.

#### **CYLINDER - HYDRAULIC OR POWER STEERING**



#### 898349A11

Cylinder designed to meet all Power Steering strength and performance requirements. This cylinder is the most robust design in the market. Includes all hardware to mount this cylinder including the strongest bolts to attach to the engine

Verado 175-200 - both Power Steering or Hydraulic V6/1.5 Opti Max Hydraulic - 1.5L Opti needs to order arm 898082A03 to provide clearance 75-150 4 stroke engines.

#### CYLINDER - HYDRAULIC OR P/S- COUNTER ROTATION



#### 898349A14

Port of counter rotation cylinder designed to meet all Power Steering strength and performance requirements. This cylinder is the most robust design in the market. Includes all hardware to mount this cylinder including the strongest bolts to attach

Verado 135-200 - both Power Steering or Hydraulic. Multiple Engines V6/1.5 Opti Max Hydraulic - 1.5L Opti needs to order arm 898082A03 to provide clearance 75-115 4 stroke engines Multiple OtiMax engines - P/S 150 4 Stroke

#### **CYLINDER - BIG TILLER**



#### 898349A15

Cylinder designed to meet all Power Steering strength and performance requirements. This cylinder is the most robust design in the market. Includes all hardware to mount this cylinder including the strongest bolts to attach to the

Big Tiller Cylinder - 75-115 4 Stroke, 75-115 1.5L Opti, 135-250 2.5L/3.0L Opti and 135-200 4 Cylinder Verado

### **HYDRAULIC HELM PUMP -Q/S**



#### 64-891665Q01

Front Mount 1.5 cu in displacement. Approximately 5 turns lock to lock on singles and 10 on dual cylinders Compact design

Built-in valve for positive rudder lock Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 175-4 stroke engines

Also can be used on OptiMax with Mercury hydraulic cylinder and hoses. Also can be used on OptiMax with Mercury hydraulic cylinder and hoses Also can be used on 75-115 4 stroke and 1.5L opti 75-115 HP

#### HYDRAULIC HELM PUMP -Q/S



#### 64-891665Q04

Front Mount 2.0 cu in displacement. Approximately 4 turns lock to lock on singles and 8 on dual cylinders

Compact design
Built-in valve for positive rudder lock
Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 200-4 stroke engines Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

Front Mount 2.4 cu in displacement. Approximately 3 turns lock to lock on singles and 6.5 on dual cylinders

Compact design

Built-in valve for positive rudder lock

Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 200-4 stroke engines

Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

#### HYDRAULIC HELM PUMP -Q/S-TILT



#### 64-891666Q05

Front Mount 1.5 cu in displacement. Approximately 5 turns lock to lock for singles and 10 on dual cylinders

Compact design
Tilt Range of 48 Deg and 5 locking positions
Built-in valve for positive rudder lock
Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 175-4 stroke engines

Also can be used on OptiMax with Mercury hydraulic cylinder and hoses. Also can be used on OptiMax with Mercury hydraulic cylinder and hoses. Also can be used on 75-115 4 stroke and 1.5L opti 75-115 HP

#### HYDRAULIC HELM PUMP -Q/S-TILT



#### 64-891666Q03

Front Mount 2.0 cu in displacement. Approximately 4 turns lock to lock on singles and 8 on dual cylinders

Compact design

Tilt Range of 48 Deg and 5 locking positions Built-in valve for positive rudder lock Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 200-4 stroke engines Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

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#### **HYDRAULIC HELM PUMP -Q/S**



#### 64-8M0121975

Front Mount 1.5 cu in displacement. Approximately 5 turns lock to lock on singles and 10 on dual cylinders

Compact design
Built-in valve for positive rudder lock
Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 175-4 stroke engines
Also can be used on OptiMax with Mercury hydraulic cylinder and hoses. Also can
be used on OptiMax with Mercury hydraulic cylinder and hoses Also can be used
on 75-115 4 stroke and 1.5L opti 75-115 HP

#### **HYDRAULIC HELM PUMP -Q/S**



#### 64-8M0124204

Front Mount 2.0 cu in displacement. Approximately 4 turns lock to lock on singles and 8 on dual cylinders

Compact design

Built-in valve for positive rudder lock

Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 200-4 stroke engines

Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

Front Mount 2.4 cu in displacement. Approximately 3 turns lock to lock on singles and 6.5 on dual cylinders

Compact design Built-in valve for positive rudder lock

Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 200-4 stroke engines
Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

#### **HYDRAULIC HELM PUMP -Q/S-TILT**



#### 64-8M0124207

Front Mount 1.5 cu in displacement. Approximately 5 turns lock to lock for singles and 10 on dual cylinders

Compact design
Tilt Range of 48 Deg and 5 locking positions
Built-in valve for positive rudder lock

Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 175-4 stroke engines
Also can be used on OptiMax with Mercury hydraulic cylinder and hoses. Also can
be used on OptiMax with Mercury hydraulic cylinder and hoses Also can
be used on 75-115 4 stroke and 1.5L opti 75-115 HP

#### **HYDRAULIC HELM PUMP -Q/S-TILT**



#### 64-8M0124208

Front Mount 2.0 cu in displacement. Approximately 4 turns lock to lock on singles and 8 on dual cylinders

Tilt Range of 48 Deg and 5 locking positions
Built-in valve for positive rudder lock
Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 200-4 stroke engines Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

#### 64-8M0124209

Front Mount 2.4 cu in displacement. Approximately 3 turns lock to lock on singles and 6.5 on dual cylinders

Tilt Range of 48 Deg and 5 locking positions
Built-in valve for positive rudder lock
Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 200-4 stroke engines Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

# MERCURY HYD BOLT-ON STEERING KIT- STD -W/O HOSES



#### 898349A02

This kit includes a standard helm (1.5Cu Inch) with all the needed components to install the helm along with a bolt-on cylinder with hardware . This bolt-on kit is the most robust hydraulic system in the market. The cylinder was tested to all Verado standards for load and strength. The kit also includes high strength machined stainless steel screws that are used at each attachment point. Order Verado hoses 897982K\_ series separately

Used on all Verado 135-200 L4 engines, 75-115 4 Cylinder 4 strokes, OptiMax 1/5L and V6 engines (order arm 898082A03 when used on 1.5L Opti) (Use with Power Steering Hoses 8M0046914 thru 8M00469932)

# MERCURY HYD BOLT-ON STEERING KIT-TILT -W/O HOSES



#### 898349A03

This kit includes a Tilt helm (1.5 Cu Inch) with all the needed components to install the helm along with a bolt-on cylinder with hardware and remote fill kit. This bolt-on kit is the most robust hydraulic system in the market. The cylinder was tested to all Verado standards for load and strength. The kit also includes high strength machined stainless steel screws that are used at each attachment point. Order Verado hoses (897982K\_) separately

Used on all Verado 135-200 L4 engines, 75-115 4 Cylinder 4 strokes , OptiMax 1/5L and V6 engines ( order arm 898082A03 when used on 1.5L Opti) (Use with Power Steering Hoses 8M0046914 thru 8M00469932)

#### **VENTED HELM CAP-VCAP**



64-891667Q01

VCAP Vented helm cap for use on Q/S helms 891665Q02 and 891666Q01

#### **NON VENTED CAP**



#### 19-898432

Required for dual station installations of steering system.

#### REMOTE FILL KIT FOR HYDRAULIC STEERING



#### 64-889934A05

Remote fill adapter for rear mount and tilt mount Hydraulic pumps Hydraulic Steering for Verado 135 to 200-4 stroke engines Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

#### HYDRAULIC HELM STEERING FLUID



#### 92-858078QB1

For use in MCM compact hydraulic helm steering systems.
Also used on Mercury Hydraulic Steering - Verado 135-175 and bolt-on steering system.

1 L (33.8 fl oz) plastic bottle Quicksilver Branded

#### HYDRAULIC STEERING ARM



#### 898082A03

This arm attaches the cylinder to the engine for 1.5L OptiMax engines. Remove existing arm on 898349A01 cylinder and replace it with this arm for proper clearances

1.5L OptiMax engines

#### **VENTED HELM CAP-VCAP**



#### 64-891667Q01

VCAP Vented helm cap for use on Q/S helms 891665Q02 and 891666Q01

#### X52- TILT MECHANISM



#### 64-889934A04

X52 Tilt- Used with T81 FC, T83 FC helms

#### ADAPTER FOR POWER PURGE



#### 64-889934A06

Adapter for the Power Purge system

Hydraulic Steering for Verado 135 to 200-4 stroke engines Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

#### VERADO KICKER ELECTRICAL KIT



### 897478K02

Battery isolated system that allows you to run your kicker engine and use the Power Steering system without you primary engine running. This system allows you to connect to a deep cell battery (not your starter battery) and the system will provide normal power steering from the wheel. The system will alert you when your auxiliary battery is below 9.5 volts. This signal means that you must start your primary engine to change the battery system. This kit will save the starting battery for primary starting use only.

Verado Power Steering systems with a kicker engine 135-200 Verado

### **UFLEX STANDARD RACK STEERING SYSTEM**

Racktech steering system. Kits will include a helm, x34 bezel and M86 steering cables. The cables have stainless steel output fitting ends, 3/4 " tapered shaft and can be mounted in multiple positions.

#### STANDARD RACK AND PINION STEERING SYSTEM



#### 64-889935A08

8ft

Racktech 08 steering kit. Kit includes helm,90 degree bezel(X34) and a 8 ft steering cable (M86).

#### 64-889935A10

10 ft

Racktech 10 steering kit. Kit includes helm,90 degree bezel(X34) and a 10 ft steering cable (M86).

#### 64-889935A11

11 ft

Racktech 11 steering kit. Kit includes helm,90 degree bezel(X34) and a 11 ft steering cable (M86).

#### 64-889935A12

12 ft

Racktech 12 steering kit. Kit includes helm,90 degree bezel(X34) and a 12 ft steering cable (M86).

#### 64-889935A13

13 ft

Racktech 13 steering kit. Kit includes helm,90 degree bezel(X34) and a 13 ft steering cable (M86).

#### 64-889935A14

14 ft

Racktech 14 steering kit. Kit includes helm,90 degree bezel(X34) and a 14 ft steering cable (M86).

#### 64-889935A15

15 ft

Racktech 15 steering kit. Kit includes helm,90 degree bezel(X34) and a 15 ft steering cable (M86).

#### 64-889935A16

16 ft

Racktech 16 steering kit. Kit includes helm,90 degree bezel(X34) and a 16 ft steering cable (M86).

#### 64-889935A17

17 ft

Racktech 17 steering kit. Kit includes helm,90 degree bezel(X34) and a 17 ft steering cable (M86).

#### 64-889935A18

18 ft

Racktech 18 steering kit. Kit includes helm,90 degree bezel(X34) and a 18 ft steering cable (M86).

#### 64-889935A19

19 ft

Racktech 19 steering kit. Kit includes helm,90 degree bezel(X34) and a 19 ft steering cable (M86).

#### 64-889935A20

20 ft

Racktech 20 steering kit. Kit includes helm,90 degree bezel (X34) and a 20 ft steering cable (M86).

# UFLEX STANDARD RACK STEERING SYSTEM / TILT

Racktech steering system. Kits include a helm, X52 tilt mechanism and M86 steering cables. Cables have stainless steel output fitting ends, 3/4 " tapered shaft and can be mounted in multiple positions.

#### STANDARD RACK STEERING SYSTEM-TILT



#### 64-889936A08

8 ft

Rotech Tilt 08 kit. The kit includes helm, X52 tilt mechanism, and 8 ft steering cable(M86)

#### 64-889936A09

9 ft

Rotech Tilt 09 kit. The kit includes helm, X52 tilt mechanism, and 9 ft steering cable(M86)

#### 64-889936A10

10 ft

Rotech Tilt 10 kit. The kit includes helm, X52 tilt mechanism, and 10 ft steering cable(M86)

#### 64-889936A11

11 ft

Rotech Tilt 11 kit. The kit includes helm, X52 tilt mechanism, and 11 ft steering cable(M86)

#### 64-889936A12

12 ft

Rotech Tilt 12 kit. The kit includes helm, X52 tilt mechanism, and 12 ft steering cable(M86)

#### 64-889936A13

13 ft

Rotech Tilt 13 kit. The kit includes helm, X52 tilt mechanism, and 13 ft steering cable(M86)

#### 64-889936A14

14 ft

Rotech Tilt 14 kit. The kit includes helm, X52 tilt mechanism, and 14 ft steering cable(M86)

#### 64-889936A15

15 ft

Rotech Tilt 15 kit. The kit includes helm, X52 tilt mechanism, and 15 ft steering cable(M86)

#### 64-889936A16

16 ft

Rotech Tilt 16 kit. The kit includes helm, X52 tilt mechanism, and 16 ft steering cable(M86)

#### 64-889936A17

17 ft

Rotech Tilt 17 kit. The kit includes helm, X52 tilt mechanism, and 17 ft steering cable(M86)

#### 64-889936A18

18 ft

Rotech Tilt 18 kit. The kit includes helm, X52 tilt mechanism, and 18 ft steering cable(M86)

#### 64-889936A19

19 ft

Rotech Tilt 19 kit. The kit includes helm, X52 tilt mechanism, and 19 ft steering cable (M86)

#### 64-889936A20

20 ft

Rotech Tilt 20 kit. The kit includes helm, X52 tilt mechanism, and 20 ft steering cable(M86)

# UFLEX ZEROTORQUE FEEDBACK RACK STEERING SYSTEM

Accutech Zero Torque Feedback steering system. Kits include a helm, X34 bezel and M86 steering cable. Cables have atainless steel output fitting ends, 3/4 " tapered shaft and can be mounted in multipe positions.

Ref Service Bulletin 2007-13 for Ride Guide replacement Information

#### ZERO TORQUE FEEDBACK RACK STEERING SYSTEM



#### 64-889937Q08

8 ft Replaces Ride Guide System per Service Bulletin 2007-13 Accutech 08 kit. Kit includes helm, X34 bezel and 8 ft steering cable (M86)

#### 64-889937Q11

11 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 11 kit. Kit includes helm, X34 bezel and 11 ft steering cable (M86)

#### 64-889937Q13

13 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 13 kit. Kit includes helm, X34 bezel and 13 ft steering cable (M86)

#### 64-889937Q14

14

Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 14 kit. Kit includes helm, X34 bezel and 14 ft steering cable (M86)

#### 64-889937Q15

15 ft Repalces Ride Guide System Ref Service Bulletin 2007-13 Accutech 15 kit. Kit includes helm, X34 bezel and 15 ft steering cable (M86)

#### 64-889937Q16

16 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 16 kit. Kit includes helm, X34 bezel and 16 ft steering cable (M86)

#### 64-889937Q17

17 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 17 kit. Kit includes helm, X34 bezel and 17 ft steering cable (M86)

#### 64-889937Q18

18 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 18 kit. Kit includes helm, X34 bezel and 18 ft steering cable (M86)

#### 64-889937Q19

19 ft Replaces Ride Guide System Ref Service Bulletin 2007-13

Accutech 19 kit. Kit includes helm, X34 bezel and 19 ft steering cable (M86)

#### 64-889937Q22

22 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 22 kit. Kit includes helm, X34 bezel and 22 ft steering cable (M86)

#### 64-889937Q23

23 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 23 kit. Kit includes helm, X34 bezel and 23 ft steering cable (M86)

#### 64-889937Q25

25 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 25 kit. Kit includes helm, X34 bezel and 25 ft steering cable (M86)

#### STEERING

#### 64-889937Q26

26 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 26 kit. Kit includes helm, X34 bezel and 20 ft steering cable (M86)

#### 64-889937Q27

27 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 27 kit. Kit includes helm, X34 bezel and 27 ft steering cable (M86)

#### 64-889937Q30

30 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 30 kit. Kit includes helm, X34 bezel and 30 ft steering cable (M86)

#### 64-889937Q32

32 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 232kit. Kit includes helm, X34 bezel and 32 ft steering cable (M86)

#### 64-889937Q38

38 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 38 kit. Kit includes helm. X34 bezel and 38 ft steering cable (M86)

#### 64-889937Q42

42 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 42 kit. Kit includes helm, X34 bezel and 42 ft steering cable (M86)

#### 64-889937Q44

44 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 44 kit. Kit includes helm, X34 bezel and 44 ft steering cable (M86)

#### 64-889937Q50

50 ft Replaces Ride Guide System Ref Service Bulletin 2007-13 Accutech 50 kit. Kit includes helm, X34 bezel and 50 ft steering cable (M86)

# UFLEX ZEROTORQUE FEEDBACK RACK SYSTEM/

Accutech Zero Torque Feedback steering system. Kit includes a helm, X52 tilt mechanism and M86 steering cable. Cables have stainless steel output fitting ends, 3/4 " tapered shaft and can be mounted in multiple positions.

# ZERO TORQUE FEEDBACK RACK TILT STEERING SYSTEM



#### 64-889938A08

8 ft

Accutech Tilt 08 Kit. Kit includes helm, X52 tilt mechanism, and 8 ft Steering cable (M86).

#### 64-889938A09

9 ft

Accutech Tilt 09 Kit. Kit includes helm, X52 tilt  $\,$  mechanism, and 9 ft Steering cable (M86).

#### 64-889938A10

10 ft

Accutech Tilt 10 Kit. Kit includes helm, X52 tilt mechanism, and 10 ft Steering cable (M86).

#### 64-889938A11

11 ft

Accutech Tilt 11 Kit. Kit includes helm, X52 tilt mechanism, and 11 ft Steering cable (M86).

#### 64-889938A12

12 ft

Accutech Tilt 12 Kit. Kit includes helm, X52 tilt mechanism, and 12 ft Steering cable (M86).

#### 64-889938A13

13 ft

Accutech Tilt 13 Kit. Kit includes helm, X52 tilt mechanism, and 13 ft Steering cable (M86).

#### 64-889938A14

14 ft

Accutech Tilt 14 Kit. Kit includes helm, X52 tilt mechanism, and 14 ft Steering cable (M86).

#### 64-889938A15

15 ft

Accutech Tilt 15 Kit. Kit includes helm, X52 tilt mechanism, and 15 ft Steering cable (M86).

#### 64-889938A16

16 ft

Accutech Tilt 16 Kit. Kit includes helm, X52 tilt mechanism, and 16 ft Steering cable (M86).

#### 64-889938A17

17 ft

Accutech Tilt 17 Kit. Kit includes helm, X52 tilt mechanism, and 17 ft Steering cable (M86).

#### 64-889938A18

18 ft

Accutech Tilt 18 Kit. Kit includes helm, X52 tilt mechanism, and 18 ft Steering cable (M86).

#### 64-889938A19

19 ft

Accutech Tilt 19 Kit. Kit includes helm, X52 tilt mechanism, and 19 ft Steering cable (M86).

#### 64-889938A20

20 ft

Accutech Tilt 20 Kit. Kit includes helm, X52 tilt mechanism, and 20 ft Steering cable (M86).

#### **UFLEX MECHANICAL STEERING CABLES**

Replacement rack steering cable for Accutech and Racktech steering systems. Also replaces Morse Command 200 and teleflex "The Rack cables.

#### **RACK REPLACEMENT STEERING CABLE**



#### 64-889940A08

8 ft

M86x08

#### 64-889940A09

9 ft

M86x09

#### 64-889940A10

10 ft

M86x10

#### 64-889940A11

11 ft

M86x11

## 64-889940A12

12 ft

M86x12

64-889940A13	
13 ft	
M86x13 <b>64-889940A14</b>	
14 ft	
M86x14	
64-889940A15	
15 ft	
M86x15	
64-889940A16	
16 ft M86x16	
64-889940A17	
17 ft	
M86x17	
64-889940A18	
18 ft	
M86x18	
<b>64-889940A19</b> 19 ft	
M86x19	
64-889940A20	
20 ft	
M86x20	
64-889940A21	
21 ft M86x21	
64-889940A22	
22 ft	
M86x22	
64-889940A23	
23 ft	
M86x23 <b>64-889940A24</b>	
24 ft	
M86x24	
64-889940A25	
25 ft	
M86x25	
<b>64-889940A26</b> 26 ft	
M86x26	
64-889940A27	
27 ft	
M86x27	
<b>64-889940A28</b> 28 ft	
M86x28	
64-889940A29	
29 ft	
M86x29	
64-889940A30	
30 ft M86x30	
64-889940A32	
32 ft	
M86x32	
64-889940A34	
34 ft	
M86x34 <b>64-889940A36</b>	
36 ft	
M86x36	

64-889940A38 38 ft M86x38 64-889940A40 40 ft M86x40 64-889940A42 42 ft M86x42 64-889940A44 44 ft M86x44 64-889940A46 46 ft M86x46 64-889940A48 48 ft M86x48 64-889940A50 50 ft M86x50

# TELEFLEX NFB RACK SYSTEM

Single or dual cable. No feedback steering mechanism standard 3/4" tapered steering shaft.

### NFB BACK MOUNT RACK SYSTEM SINGLE CABLE



15 ft. (4.6m)

# TELEFLEX NON-NFB SAFE-T QC ROTARY STEERING SYSTEMS

Designed with standard 3/4 in.(19 mm) round taper steering shaft and stainless steel cable output ends for maximum corrosion resistance. Features cable with quick connect to steering helm. Three turns lock-to-lock for standard travel. 90 degree helm mount.

#### SAFE-T QUICK CONNECT STEERING SYSTEM



64-826472A 8

8 ft. (2.4m)

64-826472A 9

9 ft. (2.7m)

64-826472A10

10 ft. (3.0m)

#### **STEERING**

64-826472A11

11 ft. (3.4m)

64-826472A12

12 ft. (3.7m)

64-826472A13

13 ft. (4.0m)

64-826472A14

14 ft. (4.3m)

64-826472A15

15 ft. (4.6m)

64-826472A16

16 ft. (4.9m)

64-826472A17

17 ft. (5.2m)

64-826472A18

18 ft. (5.5m)

64-826472A19

19 ft. (5.87m)

# **UFLEX STANDARD ROTARY STEERING SYSTEMS**

Rotech steering system features planetary gear design for increased longevity, greater effidiency and smooth operation. Kits include T71 FC helm, X34 bezel and M66 steering cables. SS output fittings, 3/4 " tapered shaft and flexible mounting positions

#### STANDARD ROTARY STEERING SYSTEM



64-889930A08

8 ft

Rotech 08 kit. Kit includes T71 FC helm, X34 mounting bezel and 8 ft Steering cable (M66).

64-889930A09

9ft

Rotech 09 kit. Kit includes T71 FC helm, X34 mounting bezel and 9 ft Steering cable (M66).

64-889930A10

10 ft

Rotech 10 kit. Kit includes T71 FC helm, X34 mounting bezel and 10 ft Steering cable (M66).

64-889930A11

11 ft

Rotech 11 kit. Kit includes T71 FC helm, X34 mounting bezel and 11 ft Steering cable (M66).

64-889930A12

12 ft

Rotech 12 kit. Kit includes T71 FC helm, X34 mounting bezel and 12 ft Steering cable (M66).

64-889930A13

13 ft

Rotech 13 kit. Kit includes T71 FC helm, X34 mounting bezel and 13 ft Steering cable (M66).

64-889930A14

14 ft

Rotech 14 kit. Kit includes T71 FC helm, X34 mounting bezel and 14 ft Steering cable (M66).

64-889930A15

15 ft

Rotech 15 kit. Kit includes T71 FC helm, X34 mounting bezel and 15 ft Steering cable (M66).

64-889930A16

16 ft

Rotech 16 kit. Kit includes T71 FC helm, X34 mounting bezel and 16 ft Steering cable (M66).

64-889930A17

17 ft

Rotech 17 kit. Kit includes T71 FC helm, X34 mounting bezel and 17 ft Steering cable (M66).

64-889930A18

18 ft

Rotech 18 kit. Kit includes T71 FC helm, X34 mounting bezel and 18 ft Steering cable (M66).

64-889930A19

19 ft

Rotech 19 kit. Kit includes T71 FC helm, X34 mounting bezel and 19 ft Steering cable (M66).

64-889930A20

20 ft

Rotech 20 kit. Kit includes T71 FC helm, X34 mounting bezel and 20 ft Steering cable (M66).

# UFLEX STANDARD ROTARY STEERING SYSTEMS/

Rotech steering system features a planetary gear design for increased longevity, greater efficiency and smooth operation. Includes T81 FC helm, X52 tilt mechanism and M66 steering cables. Automotive style, 5 position tilt range.

#### STANDARD ROTARY STEERING SYSTEM TILT



64-889931A08

8 ft

Rotech Tilt 08 kit. Kit includes the T81 FC helm and 8 ft steering cable (M66).

64-889931A09

9 ft

Rotech Tilt 09 kit. Kit includes the T81 FC helm and 9 ft steering cable (M66).

64-889931A10

10 f

Rotech Tilt 10 kit. Kit includes the T81 FC helm and 10 ft steering cable (M66).

64-889931A11

11 ft

Rotech Tilt 11 kit. Kit includes the T81 FC helm and 11 ft steering cable (M66).

64-889931A12

12 ft

Rotech Tilt 12 kit. Kit includes the T81 FC helm and 12 ft steering cable (M66).

64-889931A13

13 ft

Rotech Tilt 13 kit. Kit includes the T81 FC helm and 13 ft steering cable (M66).

64-889931A14

14 ft

Rotech Tilt 14 kit. Kit includes the T81 FC helm and 14 ft steering cable (M66).

#### 64-889931A15

15 ft

Rotech Tilt 15 kit. Kit includes the T81 FC helm and 15 ft steering cable (M66).

#### 64-889931A16

16 ft

Rotech Tilt 16 kit. Kit includes the T81 FC helm and 16 ft steering cable (M66).

#### 64-889931A17

17 ft

Rotech Tilt 17 kit. Kit includes the T81 FC helm and 17 ft steering cable (M66).

#### 64-889931A18

18 ft

Rotech Tilt 18 kit. Kit includes the T81 FC helm and 18 ft steering cable (M66).

#### 64-889931A19

10 ft

Rotech Tilt 19 kit. Kit includes the T81 FC helm and 19 ft steering cable (M66).

#### 64-889931A20

20 ft

Rotech Tilt 20 kit. Kit includes the T81 FC helm and 20 ft steering cable (M66).

## UFLEX STANDARD ROTARY STEERING SYSTEMS/ DUAL CABLE

Dual cable Rotech steering system. Features planetary gear design for longevity, greater efficiency and smoother operation. Includes T72 FC helm, X34 bezel and two M66 steering cables. SS ends, 3/4 "tapered shaft and flexible mounting positions.

#### STANDARD DUAL CABLE ROTARY STEERING SYSTEM



#### 64-889932A08

8 ft

Rotech II 08 kit. Kit includes T72 FC helm, X34 bezel and 8 ft steering cable (M66).

#### 64-889932A09

9 ft

Rotech II 09 kit. Kit includes T72 FC helm, X34 bezel and 9 ft steering cable (M66).

#### 64-889932A10

10 ft

Rotech II 10 kit. Kit includes T72 FC helm, X34 bezel and 10 ft steering cable (M66).

#### 64-889932A11

11 ft

Rotech II 11 kit. Kit includes T72 FC helm, X34 bezel and 11 ft steering cable (M66).

#### 64-889932A12

12 ft

Rotech II 12 kit. Kit includes T72 FC helm, X34 bezel and 12 ft steering cable (M66).

#### 64-889932A13

13 ft

Rotech II 13 kit. Kit includes T72 FC helm, X34 bezel and 13 ft steering cable (M66).

#### 64-889932A14

14 ft

Rotech II 14 kit. Kit includes T72 FC helm, X34 bezel and 14 ft steering cable (M66).

#### 64-889932A15

15 ft

Rotech II 15 kit. Kit includes T72 FC helm, X34 bezel and 15 ft steering cable (M66).

#### 64-889932A16

16 ft

Rotech II 16 kit. Kit includes T72 FC helm, X34 bezel and 16 ft steering cable (M66).

#### 64-889932A17

17 ft

Rotech II 17 kit. Kit includes T72 FC helm, X34 bezel and 17 ft steering cable (M66).

#### 64-889932A18

18 ft

Rotech II 18 kit. Kit includes T72 FC helm, X34 bezel and 18 ft steering cable (M66).

#### 64-889932A19

19 ft

Rotech II 19 kit. Kit includes T72 FC helm, X34 bezel and 19 ft steering cable (M66).

#### 64-889932A20

20 ft

Rotech II 20 kit. Kit includes T72 FC helm, X34 bezel and 20 ft steering cable (M66).

#### TELEFLEX NFB ROTARY STEERING

No Feedback Steering Control. Used on Bass boats, runabouts, center consoles--virtually all of today's outboard boats with wheels to 16" diameter.

Replaces Teleflex Safe-T steering systems without dash modifications.

#### NFB 4.2 ROTARY SYSTEM SINGLE CABLE



64-851622A10

10 ft. (3.0m)

64-851622A11

11 ft. (3.4m)

64-851622A12

12 ft. (3.7m)

64-851622A13

13 ft. (4.0m)

64-851622A14

14 ft. (4.3m)

64-851622A15

15 ft. (4.6m)

64-851622A16

16 ft. (4.9m)

64-851622A17

17 ft. (5.2m)

64-8**51622A1**8

18 ft. (5.5m)

64-851622A19

19 ft. (5.8m)

#### 64-851622A20

20 ft. (6.1m)

#### NFB 4.2 SINGLE HELM REPLACEMENT PARTS



64-851622A 1

NFB 4.2 Single Helm

#### NFB 4.2 ROTARY SYSTEM DUAL CABLE



64-802894A12

12 ft. (3.7m)

64-802894A13

13 ft. (4.0m)

64-802894A14

14 ft. (4.3m)

64-802894A15

15 ft. (4.6m)

#### NFB 4.2 DUAL HELM REPLACEMENT PART



NFB 4.2 Dual Helm

# UFLEX ZEROTORQUE FEEDBACK ROTARY STEERING SYSTEM

Accura Zero Torque feedback steering systems features a clutch that eliminates rudder torque and a planetary gear design for increased longevity, greater efficiency and smooth operatiion. Kits include the T73 FC helm, X34 bezel and M66 steering cable.

Ref Service Bulletin 2007-13 for Ride Guide replacement Information

# ZERO TORQUE FEEDBACK ROTARY STEERING SYSTEM



#### 889933Q08

8 ft Replaces Ride Guide System Ref Service Bulletin 2007-13

Accura 8 kit. Kit includes helm, X34 bezel and 8 ft Steering cable (M66).

#### 889933Q0

9 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

#### 889933Q10

10 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

#### 889933Q11

11 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

#### 889933Q12

12 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

#### 889933Q13

13 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

#### 889933Q14

14 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

#### 889933Q15

15 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13
889933Q16

#### 16 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

889933Q17

#### 17 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

889933Q18

# 18 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13 889933Q19

19 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

#### 889933Q20

20 ft Replacement for Ride Guide System Ref to service Bulletin 2007-13

# UFLEX ZEROTORQUE FEEDBACK ROTARY SYSTEMS / TILT

Accura Zero Tirque Feedback steering system features a clutch that eliminates rudder torque and a planetary gear design for increased longevity, greater efficiency and smooth operation. Kit includes the T73 FC helm, X52 tilt mechanism and the M66 cables.

# ZERO TORQUE FEEDBACK ROTARY STEERING SYSTEM TILT



#### 64-889934A08

8 ft

Accura Tilt 08 Kit includes T73 FC helm, X52 tilt mechanism and 8 ft Steering cable (M66).

#### 64-889934A09

9 ft

Accura Tilt 09 Kit includes T73 FC helm, X52 tilt mechanism and 9 ft Steering cable (M66).

#### 64-889934A10

10 ft

Accura Tilt 10 Kit includes T73 FC helm, X52 tilt mechanism and 10 ft Steering cable (M66).

#### 64-889934A11

11 ft

Accura Tilt 11Kit includes T73 FC helm, X52 tilt mechanism and 11ft Steering cable (M66).

#### 64-889934A12

12 ft

Accura Tilt 12Kit includes T73 FC helm, X52 tilt mechanism and 12ft Steering cable (M66).

#### 64-889934A13

13 ft

Accura Tilt 13 kit Includes T73 FC helm, X52 tilt mechanism and 13 ft steering cable (M66).

#### 64-889934A14

14 ft

Accura Tilt 14kit Includes T73 FC helm, X52 tilt mechanism and 14ft steering cable (M66).

#### 64-889934A15

15 ft

Accura Tilt 15kit Includes T73 FC helm, X52 tilt mechanism and 15ft steering cable (M66).

#### 64-889934A16

16 ft

Accura Tilt 16kit Includes T73 FC helm, X52 tilt mechanism and 16ft steering cable (M66).

#### 64-889934A17

17 ft

Accura Tilt 17kit Includes T73 FC helm, X52 tilt mechanism and 17ft steering cable (M66).

#### 64-889934A18

18 ft

Accura Tilt 18kit Includes T73 FC helm, X52 tilt mechanism and 18ft steering cable (M66).

#### 64-889934A19

19 ft

Accura Tilt 19kit Includes T73 FC helm, X52 tilt mechanism and 19ft steering cable (M66).

#### 64-889934A20

20 ft

Accura Tilt 20kit Includes T73 FC helm, X52 tilt mechanism and 20ft steering cable (M66).

#### **UFLEX ROTARY STEERING CABLES**

Replacement rotary steering cables for Rotech and Accura steering systems. Also replaces Morse Command 290 and Teleflex QC cables.

#### **ROTARY STEERING CABLE (M66)**



#### 64-889939A08

8 ft

Replacement cable

**64-889939A09** 9 ft

Replacement cable

64-889939A10

10 ft

Replacement cable

64-889939A11

11 ft

Replacement cable

64-889939A12

12 ft Replacement cable

64-889939A13

13 ft

Replacement cable

64-889939A14

14 ft

Replacement cable

64-889939A15

15 ft

Replacement cable

#### 64-889939A16

16 ft

Replacement cable

64-889939A17

17 ft

Replacement cable

64-889939A18

18 ft

Replacement cable

#### 64-889939A19

19 ft

Replacement cable 64-889939A20

20 ft

Replacement cable

#### ADAPTER KIT -M66 TO THREADED HELM



64-892790A04

Adapts M66 cable to threaded helms

#### ADAPTER KIT -M47 TO 290 HELM



64-892790A03

Adapts M47 steering cable to Morse D290 helm

# UFLEX STEERING COMPONENTS-HELMS, BEZELS, TILT MECH.

#### X35-20 DEGREE MOUNTING BEZEL



64-889930A03

Use to adjust helm angles

X35- Used with T71 FC, T72 FC, T73 FC, G22, G22 NR helms or Mercury Power Steering (2005 Verado)

### X34-90 DEGREE MOUNTING BEZEL



64-889930A02

Use with helms to adjust helm angles X34- Used with T71 FC, T72 FC, T73 FC, G22, G22 NR helms or Mercury Power Steering (2005 Verado)

#### STANDARD ROTARY STEERING HELM-T71 FC



64-889930A01

T71 FC helm

### STANDARD DUAL CABLE ROTARY STEERING HELM-T72 FC



64-889932A01

T72 FC helm- Use for dual cable installations

#### ZERO TORQUE FEEDBACK STEERING HELM-T73 FC



64-889933A01

T73 FC helm-

### STANDARD ROTARY STEERING HELM TILT-T81 FC



**64-889931A01** T81 FC helm-Tilt

#### ZERO TORQUE FEEDBACK ROTARY STEERING HELM-TLIT-T83



64-889934A01

T83 FC helm-Zero Torque Feedback -Tilt

### STANDARD RACK HELM- G86



64-889935A01 G86- Standard Rack Helm

#### STANDARD RACK HELM-TILT-G96



64-889936A01 G96- Standard Rack Helm- Tilt

#### ZERO TORQUE FEEDBACK RACK STEERING HELM-G88 NR



64-889937A01 G88 NR- Zero Torque Rack Helm

#### ZERO TORQUE FEEDBACK RACK HELM-TILT- G98 NR



64-889938A01

G98 NR- Zero Torque Rack Helm-Tilt

#### **UFLEX MISC COMPONENTS**

#### **TIE BARS - DUAL ENGINES**



#### 64-892789Q22

26 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 66.0 cm (26 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q23

28 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 71.1 cm (28 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q25

30 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 76.2 cm (30 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q26

32 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 81.3 cm (32 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q27

34 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 86.4 cm (34 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

#### 64-892789Q24

36 Inches long with 1 inch of total adjustability. Outboard centerline spacing of 91.5 cm (36 in.)

For use with the 75-115 hp EFI FourStroke (s/n 1B366823 & above), 175-200 L4 Verado, V6 OptiMax, and 3.4 & 4.6L FourStrokes - Up to 600 HP dual Install with one Counter Rotation Engine. Also used on multiple 150 4 strokes.

## SECOND STATION HOSE AND FITTING KIT-KIT 95 2S



#### 64-891667A03

Kit 95 2S- Hose and fitting kit for second station installations

#### **COPPER TUBE FITTING KIT**



#### 64-891667A04

Includes two 1.6 ft nylon tubes and all necessary fitting for a single station. 375 Inch

#### ADAPTER KIT -M47 TO 290 HELM



#### 64-892790A03

Adapts M47 steering cable to Morse D290 helm

#### ADAPTER KIT -M66 TO THREADED HELM



#### 64-892790A04

Adapts M66 cable to threaded helms

# **TELEFLEX ROTARY STEERING CABLES**

Will work with Non-NFB and NFB Rotary helms with quick connects.

#### **REPLACEMENT CABLES**



#### 64-851621A 9

9 ft. (2.7m)

64-851621A10

10 ft. (3.0m)

64-851621A11

11 ft. (3.4m)

64-851621A12

12 ft. (3.7m)

64-851621A13

13 ft. (4.0m)

64-851621A14

14 ft. (4.3m)

64-851621A15

15 ft. (4.6m)

**64-851621A16** 16 ft. (4.9m)

64-851621A18

18 ft. (5.5m)

10 11. (3.3111)

64-851621A19

19 ft. (5.8m)

64-851621A20

20 ft. (6.1m)

# TELEFLEX MECHANICAL STEERING HELMS

#### **SAFE-T "TS" STEERING HELM**



## TELEFLEX BIG-T BEZEL KIT/MISC

#### **BIG-T BEZEL KIT**



64-809883A 1 20/90 Degree mount

#### **BEZEL 90 DEG**



64-826465 Bezel 90 deg. Safe-T QC

#### **BEZEL 20 DEG**



64-826464 Bezel 20 deg. 4.2 Rotary

#### **TELEFLEX STEERING CONNECTION KITS**



Clamp Block, Outboard Stainless steel

# TELEFLEX NFB SEASTAR HYDRAULIC OUTBOARD **STEERING**

The most popular outboard hydraulic steering system offering smooth, super-efficient No FeedBack Steering designed for today's high performance hulls with single or multiple outboards up to 600 HP combined. SeaStar Steering systems are totally self-contained, non-power-assisted units that make steering a boat a truly enjoyable experience. Their super-efficient hydraulic operations produces an effect most people equate with "power steering". Although some dash modifications are required when you upgrade from a mechanical system, there are no pressure vessels or powers units to mount. 4.5 turns lock-to-lock. Packaged complete with helm, cylinder, hoses, fittings, oil, bleeder kit and detailed instruction sheet.

#### SEASTAR PACKAGE WITHOUT HOSES



Front pivot mount outboard steering package. Does not include hoses. Order the correct length hoses separately.

#### SEASTAR HELM



#### **SEA STAR TILT HELM**

64-826501A 1



862250

Sport tilt helm

Standard equipment used on MCM sterndrives w/ CHS

#### **SEASTAR HELM MOUNT**



#### 64-826484

This kit is designed to mount a SeaStar and SeaStar Pro helm at a 20 degree angle to the mounting surface. Four possible mountings by varying wedge position. No helm modifications are required.

#### SEASTAR HELM BACK PLATE KIT



#### 64-826483A 1

Allows SeaStar and SeaStar Pro helms retrofit into boats where the following helms were previously installed: SyTen, pre-1991 square SeaStar, or mechanical rotary steering. The kit also reduces helm protrusion by thickness of dash.

### FRONT PIVOT MOUNT OUTBOARD CYLINDER



#### 64-804378A 1

Outboard front pivot mount cylinder.

#### FRONT PIVOT MOUNT OUTBOARD CYLINDER



#### 64-889457A01

Fits Mercury 225 EFI FourStroke outboard engine, model year 2002 and newer.

### FRONT MOUNT OUTBOARD CYLINDER (STANDARD)



#### 64-826491A 1

#### **SEASTAR HOSE KIT**



#### 64-826513A14

2 hoses - 14 ft(4.3m)

Also fits MCM sterndrives w/ CHS

#### 64-826513A16

2 hoses - 16 ft(4.9m)

Also fits MCM sterndrives w/ CHS

#### 64-826513A18

2 hoses- 18 ft (5.5m)

Also fits MCM sterndrives w/ CHS

#### 64-826513A20

2 hoses- 20 ft (6.1m)

Also fits MCM sterndrives w/ CHS

#### 64-826513A22

2 hoses - 22 ft (6.7m)

Also fits MCM sterndrives w/ CHS

#### 64-826513A24

2 hoses - 24 ft (7.3m)

Also fits MCM sterndrives w/ CHS

#### **HOSE CONNECTION KIT**



#### 64-826497A 1

Connects 3/8 in.(9.5mm) diameter copper tubing to SeaStar Cylinders (using 3/8 in.[9.5 mm] diameter nylon tubing.

# HOSE CONNECTION KIT



#### 64-826498A 1

Connects 3/8 in.(9.5mm) diameter copper tubing to SeaStar Cylinders (using SeaStar Outboard Hoses)

#### FRONT PIVOT MOUNT CYLINDER CHART

#### **Front Pivot Mount Outboard Cylinder**

See Teleflex application guide for additional Information

Brand	Year Range	Model	Front Pivot Mount O/B Cylinder
Honda	1996 - 2019	75-90 HP	64-804378A 1
Honda	1998 - 2019	30-50 HP	64-804378A 1
Johnson/Evinrude	1997 - 2019	65-175 HP	64-804378A 1
Johnson/Evinrude	1991 - 2019	200-225 HP	64-804378A 1
Johnson/Evinrude	1991 - 2019	250-300 HP	64-804378A 1
Johnson/Evinrude	1996 - 2019	90-225 HP Ficht	64-804378A 1
Johnson/Evinrude	1998 - 2019	65-70 HP 4-Stroke	64-804378A 1
Mercury/Mariner	1984 - 1994	2.4/2,5 EFI	64-804378A 1
Mercury/Mariner	1989 - 2019	75-300 HP	64-804378A 1
Mercury/Mariner	1998 - 2019	30-60 HP	64-804378A 1
Mercury	2002 - 2019	225 EFI FourStroke	64- <b>889457A01</b>
Nissan/Tohatsu	1990 - 2019	90-140 HP	64-804378A 1
Suzuki	1986 - 2019	100 HP	64-804378A 1
Suzuki	1986 - 2019	115-140 HP	64-804378A 1
Suzuki	1986 - 2019	150-225 HP	64-804378A 1
Suzuki	1998 - 2019	65-70 HP 4-Stroke	64-804378A 1
U S Marine/Force	1996 - 2019	90-120 HP	64-804378A 1
Yamaha	1997 - 2019	100-225 HP	64-804378A 1
Yamaha	1987 - 2019	225HP	64-804378A 1
Yamaha	1990 - 2019	250 HP	64-804378A 1
Yamaha	1998 - 2019	40-50-60 HP	64-804378A 1
Yamaha	1998 - 2019	70and 90 HP	64-804378A 1
Yamaha	1994 - 2019	80,100 HP 4- Stroke	64-804378A 1

# UFLEX STEERING CYLINDERS, HELMS AND HOSES- MISC

#### **HYDRAULIC HOSE - COMPRESSION STYLE FITTINGS**



#### 32-8M0053483

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (14 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the
8M0050097/8M0054145 Heavy Duty systems, Also match to helms
8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053484

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (16 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the

Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053485

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (18 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the

Used with 8M0U54993/8M0U56519 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053486

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (20 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053487

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (22 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053488

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (24 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053489

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (26 ft)
Used with 8M0054993/8M0056619 Basic Cylinders as well as the 8M0050097/8M0054145 Heavy Duty systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### 32-8M0053474

New high strength 1500 PSI hose with compression type fittings. Fittings are made of brass with a nickel plating for extra corrision resistance. (2 ft)
Used with 8M0054993/8M0056619 "Basic" Cylindersas well as the 8M0050097/8M0054145 "Heavy Duty" systems, Also match to helms 8M0050098/8M0050099 and 8M0056139 thru 8M0056144

#### **HYDRAULIC HELM PUMP -Q/S-TILT**



#### 64-891666Q04

Front Mount 2.4 cu in displacement. Approximately 3 turns lock to lock on singles and 6.5 on dual cylinders

Compact design
Tilt Range of 48 Deg and 5 locking positions
Built-in valve for positive rudder lock

Integral relief valve for over pressure protection

Hydraulic Steering for Verado 135 to 200-4 stroke engines Also can be used on OptiMax with Mercury hydraulic cylinder and hoses

#### **VENTED HELM CAP-VCAP**



#### 64-891667Q01

VCAP Vented helm cap for use on Q/S helms 891665Q02 and 891666Q01

#### **NON VENTED CAP**



#### 19-898432

Required for dual station installations of steering system.

#### SECOND STATION HOSE AND FITTING KIT-KIT 95 2S



#### 64-891667A03

Kit 95 2S- Hose and fitting kit for second station installations

# **TELEFLEX NFB SEASTAR REPLACEMENT PARTS**

#### **HELM VENTED FILL PLUG**



#### 64-826523

Comes with every SeaStar helm. Must be used in all single steering station systems or on the uppermost helm in multiple steering stations.

#### **HELM NON-VENTED FILL PLUG**



#### 64-826524

For use on lower station in multi-station systems only. Included with kit 64-826495A 1 (HK5501)

#### **OUTBOARD ADD-A-STATION/AUTOPILOT KIT**



#### 64-826495A 1

Contains fittings for adding either a steering station or an autopilot system to an existing SeaStar outboard steering system. Includes 25 ft.(7.3 m) of SeaStar 3/8 in. (9.5 mm) diameter nylon tubing and non-vented fill plug for helm at lower most

#### STERNDRIVE ADD-A-STATION/AUTOPILOT KIT



#### 64-826496A 1

Contains fittings for adding either a steering station or an autopilot system to an existing SeaStar stern drive steering system. Allows use of SeaStar nylon tubing (with SeaStar 1.7 helms only). Includes non-vented fill plug for helm at lower most station.

#### **CYLINDER SEAL KIT**



#### 64-826532A 1

Replacement front seal for kit for SeaStar front mount cylinders (HC5340/HC5342/HC5365). Includes 2 seal glands, pin wrench and guide tool.

#### **BOTTLE FILLER KIT**



64-826525A 1
For filling and bleeding of the hydraulic system.

#### TELEFLEX NFB SEASTAR TIE BAR KITS

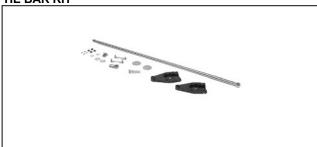
#### **TIE BAR KIT**



#### 64-826507A 2

Includes the adapter plates, tie bar and hardware required to connect twin engines utilizing single or twin front mount outboard cylinder(s) p/n 64-826491A 1(HC5342). Fits Mercury/Mariner V-6 135-200 HP (1989), 75-250 HP (1990), 75-275 HP (1991 and newer) and Hi-Perf 2.4/2.5L EFI (1995 and newer).

#### **TIE BAR KIT**



#### 64-826512A 2

Includes the adapter plates, tie bar and hardware required to connect twin engines utilizing single or twin front mount outboard cylinder(s) p/n 64-826491A 1(HC5342). Fits Mercury/Mariner 90-115 HP (1984), 115-220 (1985-1988), 100-115 (1989). Also fits Johnson/Evinrude 80-225 HP (1991 and newer)

#### TWIN ENGINE ADAPTER PLATE



#### 64-826511A 2

Replacement adapter plate only. Used to connect twin engines utilizing single or twin front mount outboard cylinder(s) p/n 64-826491A 1(HC5342).

Fits Mercury/Mariner V-6 135-200 HP (1989), 75-250 HP (1990), 75-275 HP (1991 and newer) and Hi-Perf 2.4/2.5L EFI (1995 and newer).

### **SEASTAR TIE BAR KIT CHART**

#### Tie Bar Kits

For use with old style front mount outboard cylinder 64-826491A 1

Brand	Year Range	Model	Tie Bar Kit - Plate Only
Johnson/Evinrude	2019	90-300 HP	N.L.A.
Johnson/Evinrude	2019	300 HP	N.L.A.
Johnson/Evinrude	2019	65-155 HP	N.L.A.
Johnson/Evinrude	2019	100-155 HP	N.L.A.
Johnson/Evinrude	2019	90-225 HP	64- <b>826512A 2</b>
Johnson/Evinrude	2019	150-175 HP	64- <b>826512A 2</b>
Johnson/Evinrude	2019	80-105 HP	64- <b>826512A 2</b>
Mercury/Mariner	2019	90-115 HP	64- <b>826512A 2</b>
Mercury/Mariner	2019	115-220 HP	64- <b>826512A 2</b>
Mercury/Marine	2019	135-250 HP	64- <b>826507A 2</b>
Mercury/Mariner	2019	100-115 HP	64- <b>826512A 2</b>
Mercury/Marine	2019	75-250 HP	64- <b>826507A 2</b>
Mercury/Marine	2019	75-250 HP	64-826507A 2
Mercury/Marine	2019	2.4/2,5 EFI(Perf)	64-8 <b>26507A</b> 2
Suzuki	2019	150-225 HP	N.L.A.
Suzuki	2019	100HP	N.L.A.

### RIDEGUIDE ATTACHING KITS

Through tilt tube type. When converting tiller handle steering to remote steering, the existing co-pilot friction control should be disabled or removed.

#### STEERING LINK ROD KIT

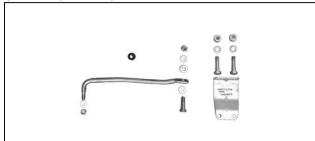


#### 11606A 1

Starboard cable entry.

Fits Mercury/Mariner 6/8/9.9/15 hp. (2 cyl.) 2 cycle outboards (USA 0A197112 and Newer, BEL 9461526 and Newer), 8 hp. 4-Stroke outboards (232 cc) and 9.9 hp. 4-Stroke outboards (0H000058-0H016909).

#### STEERING LINK ROD KIT



#### 17024A03

Starboard cable entry.

Fits MY2005 & newer 8/9.9 Hp. FourStroke outboards.

#### STEERING ATTACHING KIT



#### 10000717

Starboard cable entry.

Fits various Mercury/Mariner 25 thru 60 hp. and Force 40/50 hp. outboards. See application chart for specific engine models.

#### STEERING ATTACHING KIT



#### 19609A 6

Port cable entry.

Fits various Mercury/Mariner 25 thru 60 hp. and Force 40/50 hp. outboards. See application chart for specific engine models.

#### STEERING ATTACHING KIT



#### 41323A03

For port or starboard entry.

Fits various Mercury/Mariner 8/9.9/15 hp. 4-Stroke (323 cc) and also fits the 20/25 2-cycle (1984 & newer) outboards.

Will also work as the port entry attaching kit for the Mercury/Mariner 8/9.9 hp. FourStroke (MY 2005 & newer) when used with the Ezy Glide stick steering system. Do not use this link rod with this engine when using the traditional rotary or rack steering systems.

#### STEERING LINK ROD KIT



#### 92876A12

Link rod, screw, washers & nuts for use with a starboard entry attaching cable. Fits Mercury/Mariner V-6 outboards USA 5464486 and above, Force 75-150 outboards 0E093700 and above, 75-115 FourStroke 1B366823 and above, and the 150 EFI FourStroke 1B905505 and above...

#### **ATTACHING KIT**



For thru tilt tube steering only.

Fits Force 75-150 hp. outboards prior to serial number 0E093700.

#### STEERING LINK ROD



#### 889454A02

Furnished standard with the engine, this kit uses the same link rod as the standard 2-cycle V-6 outboard, however, the attaching hardware is different and makes them not interchangeable.

Fits the 225 EFI FourStroke outboard engine.

#### STEERING LINK ROD KIT



Fits the Mercury/Mariner 15hp. FourStroke outboard, s/n 0R235949 & above and the 20hp. FourStroke outboard, s/n 0R235168 & above.

#### STEERING LINK ROD KIT



#### 898101A45

This link rod fits a starboard entry, thru-tilt tube mechanical system. Fits the 25-30 Hp EFI FourStroke outboard (JPN- 0R106999 & above, BEL-0P401000 & above).

#### STEERING LINK ROD



Fits the 25-30 Hp EFI FourStroke outboard, serial number 0R106999 & above.

## STEERING BRACKETS

Used with RideGuide attaching kits to convert tiller handle models to remote steering. When converting tiller handle steering to remote steering, the existing co-pilot friction control should be disabled or removed.

#### STEERING BRACKET WITHOUT CARRYING HANDLE



#### 816667A 2

Fits Mercury/Mariner 30/40 hp. (2 cyl.) 2 cycle outboards (USA 0G055314 and Newer, BEL 9854537 and Newer) and 25/30/40/45/50 hp. 4-Stroke outboards.

#### STEERING BRACKET



#### 76535T

Converts manual tiller to remote steering.

Fits Mercury / Mariner 35/45 hp. manual outboards. See application chart for specific engine models.

# STEERING LINK ROD CHART

## Steering Link Rod Attaching Kits

Model	Year Range	Model Notes	Country	Serial # Range	Stbd. Cable Entry Steering Link Rod Attaching Kit	Port Cable Entry Steering Link Rod Attaching Kit	Required Steering Bracket
8 FourStroke	2005 - 2019		JPN	0R042475 and up	17024A03	N/A(3)	N/A
8 FourStroke	2005 - 2019		BEL	0P325500 and up	17024A03	N/A(3)	N/A
9.9	1986 - 2019		USA	0A197112 and up	11606A 1	11606A 2	N/A
9.9	1986 - 2019		BEL	9461526 and up	11606A 1	11606A 2	N/A
9.9 FourStroke	2005 - 2019		JPN	0R042475 and up	17024A03	N/A(3)	N/A
9.9 FourStroke	2005 - 2019		BEL	0P325500 and up	17024A03	N/A(3)	N/A
15	1988 - 2019		USA	0B292414 and up	11606A 1	11606A 2	N/A
15	1988 - 2019		BEL	9542620 and up	11606A 1	11606A 2	N/A
15 FourStroke (Carb)	1998 - 2008	323 cc	USA	0G590000 and up	41323A03	41323A03	N/A
15 FourStroke	2008 - 2019		JPN	0R235949 and up	853824A04		898103138(2)
20 FourStroke	2008 - 2019		JPN	0R235168 and up	853824A04		898103138(2)
25 FourStroke (EFI)	2006 - 2019	Only manual start models require steering bracket	JPN	0R106999 and up	898101A45	N/A(4)	898101189(5)
25 FourStroke (EFI)	2006 - 2019	Only manual start models require steering bracket	BEL	0P401000 and up	898101A45	N/A(4)	898101189(5)
30 FourStroke (EFI)	2006 - 2019	Only manual start models require steering bracket	JPN	0R106999 and up	898101A45	N/A(4)	898101189(5)
30 FourStroke (EFI)	2006 - 2019	Only manual start models require steering bracket	BEL	0P401000 and up	898101A45	N/A(4)	898101189(5)
40 FourStroke (3 cylinder)	1999 - 2007	Only manual start models require steering bracket	USA	0T409000 - 1B344398	19608A14		893696(2)
40 FourStroke (3 cylinder)	2007 - 2019	Only manual start models require steering bracket	CHN	1C000001 and up	19608A14		893696(2)
40 FourStroke (4 cylinder)	2001 - 2007	BigFoot gearcase 996 cc.	USA	0T178500 - 1B344306	19608A14	19609A 6	816667A 2(2)
40 FourStroke (4 cylinder)	2001 - 2007	BigFoot gearcase 996 cc.	BEL	0P094500 and up	19608A14	19609A 6	816667A 2(2)
40 FourStroke (4 cylinder)	2007 - 2019		CHN	1C000001 and up	19608A14	19609A 6	816667A 2(2)
50 FourStroke (4 cylinder)	2001 - 2007	996 cc.	USA	0T178500 - 1B344306	19608A14	19609A 6	816667A 2(2)
50 FourStroke (4 cylinder)	2001 - 2019	996 cc.	BEL	0P094500 and up	19608A14	19609A 6	816667A 2(2)
50 FourStroke (4 cylinder)	2007 - 2019		CHN	1C000001 and up	19608A14	19609A 6	816667A 2(2)
60 FourStroke	2001 - 2007	996 cc.	USA	0T178500 - 1B344306	19608A14	19609A 6	816667A 2(2)
60 FourStroke	2001 - 2019	996 cc.	BEL	0P094500 and up	19608A14	19609A 6	816667A 2(2)
60 FourStroke	2007 - 2019		CHN	1C000001 and up	19608A14	19609A 6	816667A 2(2)
75-115 FourStroke	2007 - 2019		USA	1B366823 and up	92876A12	N/A	N/A
75-115 FourStroke	2007 - 2019		BEL	0P401000 and up	92876A12	N/A	N/A
135 thru 275 (V-6)	1980 - 2019		USA	5464486 and up	92876A12	N/A	N/A
150 EFI FourStroke	2011 - 2019		USA	1B905505 and up	92876A12	N/A	N/A
135-200 Verado (4 cylinder)	2006 - 2019		USA	1B227001 and up	(6)		
200-300 Verado (6 cylinder)	2005 - 2019		USA	0T980000 and up	(7)		

- (1) Bracket part number listed is without carrying handle.
- (2) Bracket already furnished on remote models.
- (3) When using port entry Ezy Glide stick steering, order attaching kit 41323A 2.
- (4) When using port entry Ezy Glide stick steering, order attaching kit 899659A01.
- (5) Steering bracket is part of the steering link rod attaching kit.
- (6) Hydraulic Steering is standard.
- (7) Power Steering is standard.

# **DUAL CABLE - SINGLE ENGINE ATTACHING KIT**

Tension-compression only with both cables installed on the starboard side

#### **DUAL CABLE ATTACHING KIT**



#### 92876A 8

Fits Mercury / Mariner 70-300 hp. outboards (1985 and Newer) and Force 90/120 hp. outboards (1996 and Newer).

#### **DUAL ENGINE TIE BAR KITS**

Dual cables are required for installations of 80 hp. (combined total of 160 hp.) or higher.

#### **TIE BAR EXTENSION**



#### 8M0026098

Standard Tie Bar Extension Coupler. 15 in.(381 mm). For clearance problems see optional extension couplers.

Fits Mercury/Mariner with standard cowling clearance. Outboard center line distance between 23-1/2 in. thru 27-1/2 in. (597 mm thru 699 mm)

#### TIE BAR EXTENSION



#### 814951 4

Standard Tie Bar Extension Coupler. 18 in.(458 mm). For clearance problems see optional extension couplers.

Fits Mercury/Mariner with standard cowling clearance. Outboard center line distance between 26-1/2 in. thru 30-1/2 in. (673 mm thru 755 mm)

#### **DUAL ENGINE TIE BAR**



#### 92876A 9

Includes 15 in. (381 mm) extension coupler. Adjusts from 22 in. (560 mm) to 26-1/2 in. (675 mm). See extension couplers for additional length.

Fits various Mercury/Mariner 70 thru 3.0 Litre outboards with two piece steering arms

#### STEERING ARM EXTENSION KIT



#### 17729A 1

Used with dual engine tie bar kits. Not designed for use with hydraulic or power steering systems or as a primary steering attachment point.

Fits Mercury/Mariner 70/75/80 hp. when installing a single cable-dual engine tie bar kit and included standard in a dual cable-dual engine tie bar kit.

### **CABLE SEAL KIT**

#### **SEAL KIT**



#### 19624A 1

Used in outboard applications.

Seals output end of tilt tube, helping to prevent corrosion of the RideGuide cable in a thru tube steering arrangement.

# TRANSOM MOUNTED STEERING KITS

For single cable-single engine outboard applications.

### **OUTBOARD CABLE AND PULLEY ATTACHING KITS**

#### STEERING CABLE ATTACHMENT



#### 12569A 1

Fits Mercury / Mariner 6 thru 15 hp. outboards.

#### STEERING CABLE ATTACHMENT



#### 17024

Included with remote control attaching kit.

Fits Mercury/Mariner 4/5 hp. outboards (USA 0A855097 and Newer, BEL 9586000 and Newer).

#### STEERING CABLE ATTACHMENT



#### 82776

Fits Mariner 4/5 hp. (6EO and 6E3 Models) and 15/30/40 hp. (2 cyl.) outboards.

#### STEERING ARM BRACKET



### 96186A 2

Used along with cable & pulley attaching kit. Fits Mercury / Mariner 20/25(2 cyl.) outboards.

#### STEERING BRACKET



#### 76535T

Converts manual tiller to remote steering.

Fits Mercury / Mariner 35/45 hp. manual outboards. See application chart for specific engine models.

### **MERCRUISER POWER STEERING KITS**

#### P/S CYLINDER ASSEMBLY



#### 8M0063381

Power Steering Cylinder Assembly.

Fits 1983 to 1993 R/MR/Alpha One/Gen II & Bravo models

#### P/S CYLINDER ASSEMBLY



#### 8M0063382

Power Steering Cylinder Assembly. DHB steering system. Fits 1994 and newer Alpha One Gen II & Bravo models

#### P/S PUMP AND COOLER KIT



#### 861481A 2

Power Steering Pump and Cooler Kit. For complete installation, order DHB power steering cylinder 8M0063382 separately.

Fits 1995 and newer 3.0L/LX (S/N 0F353100 and up)

### MERCRUISER DUAL ENGINE TIE BAR KITS

#### **DUAL ENGINE TIE BAR KIT**



#### 92020A 2

Used with power steering cylinder mounted on the starboard transom plate. Adjusts from 30 in.(762 mm) to 46 in.(1168 mm)

Fits 1983 and newer R/MR/Alpha One/Gen II and Bravo models, except D7.3L diesel.

#### 92020A 3

Used with power steering cylinder mounted on the starboard transom plate. Adjusts from 46 in.(1168 mm) to 62 in.(1575 mm)

Fits 1983 and newer R/MR/Alpha One/Gen II and Bravo models, except D7.3L diesel.

#### **DUAL ENGINE TIE BAR KIT**



#### 96708A 4

Used with power steering cylinder mounted on the port transom plate. Adjusts from 29 in.(737 mm) to 37-1/2 in.(952 mm)

Fits 1983 and newer R/MR/Alpha One/Gen II and Bravo models, except D7.3L dissel

## JET DRIVE 135 & 270 DEG. STEERING SYSTEM

The 135 deg. system allows 135 degrees rotation of the steering wheel (3/8 turn lock to lock). The 270 deg. system allows 270 degrees rotation of the steering wheel (3/4 turn lock to lock). Order helm, bezel, and steering cable separately. If the size required is not listed, use the next larger size.

#### STEERING HELM



#### 809486

135 Degree Steering Helm.
Fits all Sport Jet models, except V-6 models.

#### STEERING HELM



#### 850699

270 Degree Steering Helm. Fits all Jet Drive models

#### **TILT STEERING HELM**



#### 64-879686

270 Degree Steering Helm. Fits all Jet Drive models

#### **BEZEL KIT**



#### 809485

Fits all Jet Drive models

#### STEERING CABLE



#### 64-835457A11

11 ft.(3.4 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A13

13 ft.(4.0 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### **STEERING**

#### 64-835457A15

15 ft.(4.6 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A17

17 ft.(5.2 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A19

19 ft.(5.8 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit

Fits all Jet Drive models.

#### 64-835457A21

21 ft.(6.4 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A23

23 ft.(7.0 m) 60 series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### 64-835457A25

 $25\ \mathrm{ft.}(7.6\ \mathrm{m})\ 60$  series cable with 5/16-24 end threads. Includes steering cable bellows kit.

Fits all Jet Drive models.

#### STEERING CABLE BELLOWS



#### 877581A 4

Installs on cable outside of transom

Fits Jet Drive models with 270 Degree system and 60 series cables

#### **JET DRIVE 540 DEG. STEERING SYSTEM**

Allows 540 degrees rotation of the steering wheel (1-1/2 turns lock to lock). Includes helm and steering cable. If the size required is not listed, use the next larger size.

#### REPLACEMENT BEZEL



820728 Fits Sport Jet models

### **JET DRIVE STEERING CABLE ROD END**

#### STEERING ROD END



#### 883053A 1

For 135 & 540 deg. steering systems. 5/16 in. (7.9 mm) Fits Sport Jet models with 60 series cables

# STEERING CABLE BULKHEAD FITTINGS/ BELLOWS KITS

Hardware used to complete Sport Jet installations. Use either bulkhead fittings or bellows kit. Not for use together.

#### **BULKHEAD COMPRESSION FITTINGS**



#### 820675

Fits Sport-Jet 90/95/120 and 175 with 40 series cables. Also fits 200 OptiMax, 210 & 240 FFI Jet Drives

#### **BULKHEAD BELLOWS KIT**



#### 850005A 2

For 135 & 270 deg. steering systems and 60 series cables. Fits Jet Drive models with 60 series cables

# **BULKHEAD BELLOWS KIT**



850697A 2

Fits Jet Drive models with 40 series cables

# K PLANES (TRIM TABS)

#### K PLANES (TRIM TABS)

# MECHANICAL TRIM POSITION INDICATORS 1 POINTER

Cables not included with indicator kits. Order 897979A\_\_\_\_.

#### TRIM POSITION INDICATOR



#### 848444A 6

1 pointer. Bottom cable entry. White faceplate and bezel. Fits single sterndrive.

#### 848445A 1

1 pointer. Top cable entry. Gray faceplate and black bezel. Fits single sterndrive.

#### TRIM POSITION INDICATOR



#### 848445A 6

1 pointer. Top cable entry. White faceplate and bezel. Fits single sterndrive.

### MECHANICAL TRIM POSITION INDICATORS 2 POINTER

Cables not included with indicator kits. Order 897979A\_\_\_\_.

#### TRIM POSITION INDICATOR



#### 845313A 1

2 pointer. Top cable entry. Gray faceplate and black bezel. Fits twin MCM sterndrives or trim tabs.

#### TRIM POSITION INDICATOR



#### 845313A 6

2 pointer. Top cable entry. White faceplate and bezel. Fits twin MCM sterndrives or trim tabs.

#### TRIM POSITION INDICATOR



#### 845314A 6

2 pointer. Bottom cable entry. White faceplate and bezel. Fits twin MCM sterndrives or trim tabs.

# MECHANICAL TRIM POSITION INDICATORS 3 POINTER

Cables not included with indicator kits. Order 897979A\_\_ cables to proper length.

#### TRIM POSITION INDICATOR



#### 845765A 6

3 pointer. Top cable entry. White faceplate and bezel.

Fits triple MCM sterndrives or single MCM sterndrive and twin trim tabs.

#### TRIM POSITION INDICATOR



#### 845766A 6

3 pointer. Bottom cable entry. White faceplate and bezel.

Fits triple MCM sterndrives or single MCM sterndrive and twin trim tabs.

# MECHANICAL TRIM POSITION INDICATORS 4 POINTER

Cables not included with indicator kits. Order 897979A\_\_\_.

#### TRIM POSITION INDICATOR



#### 845983A 1

4 pointer. Bottom cable entry. Gray faceplate and black bezel. Fits twin MCM sterndrives and twin trim tabs.

#### TRIM POSITION INDICATOR



#### 845983A 6

4 pointer. Bottom cable entry. White faceplate and bezel. Fits twin MCM sterndrives and twin trim tabs.

# MECHANICAL TRIM POSITION INDICATORS 5 POINTER

Cables not included with indicator kits. Order F5H208/\_\_ cables or 64-820676A\_\_ cables to proper length.

#### TRIM POSITION INDICATOR



#### 845457A 1

5 pointer. Bottom cable entry. Gray faceplate and black bezel. Fits triple MCM sterndrives and twin trim tabs.

#### TRIM POSITION INDICATOR



#### 845457A 6

5 pointer. Bottom cable entry. White faceplate and bezel. Fits triple MCM sterndrives and twin trim tabs.

#### **MECHANICAL TRIM POSITION INDICATOR CHART**

#### **Trim Position Indicators**

Model	Model Note	Black Bezel Gray	White Bezel White	Black Bezel Gray	White Bezel White
		Faceplate Bottom Cable Entry	Faceplate Bottom Cable Entry	Faceplate Top Cable Entry	Faceplate Top Cable Entry
1 pointer	1 sterndrive or 1 paralift		848444A 6	848445A 1	848445A 6
2 pointer	2 MCM Alpha - V SSM sterndrives or 2 trim tabs		845314A 6	845313A 1	845313A 6
2 pointer	2 MCM VI - VII SSM sterndrives or 2 trim tabs	845313A 1	845313A 6		845314A 6
3 pointer	3 MCM Alpha - V SSM sterndrives	N.L.A.	845765A 6		845766A 6
3 pointer	3 MCM VI - VII SSM sterndrives or 1 MCM sterndrive		845766A 6	N.L.A.	845765A 6
4 pointer	2 MCM Alpha - V SSM	844945A 1	844945A 6	844944A 1	844944A 6

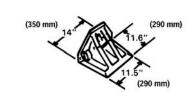
#### **K PLANES (TRIM TABS)**

Model	Model Note	Black Bezel Gray Faceplate Bottom Cable Entry	White Bezel White Faceplate Bottom Cable Entry	Black Bezel Gray Faceplate Top Cable Entry	White Bezel White Faceplate Top Cable Entry
	sterndrives and 2 trim tabs				
4 pointer	2 MCM VI - VII SSM sterndrives and 2 trim tabs or	845983A 1	845983A 6	N.L.A.	N.L.A.
5 pointer	3 MCM Alpha - V SSM sterndrives and 2 trim tabs	845457A 1	845457A 6	N.L.A.	N.L.A.
5 pointer	3 MCM VI - VII SSM sterndrives and 2 trim tabs or	N.L.A.	N.L.A.	N.L.A.	N.L.A.

#### SPORT K-PLANES

Each kit contains two K-Planes, two electric/hydraulic pumps, hydraulic cylinders, two harnesses, mounting hardware, installation instructions, drilling and mounting templates. Hoses need to be ordered separately.

#### **SPORT K-PLANES**

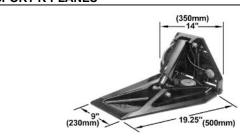


#### 841944A02

Model 150S, assembly with digital trim position sender. To be used with VesselView-Race Edition or Mercury Racing sterndrive engines with 892486K05 (Vessel Analog Gauge Interface) to convert system link data to drive standard analog gauges. For all other applications use optional analog gauge driver P/N 884359A03 to drive two standard analog gauges.

For 21 ft.(6.4 m) to 30 ft.(9.1 m) boats.

#### SPORT K-PLANES

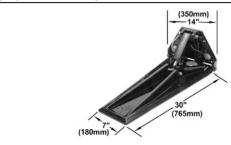


#### 842768A05

Model 280S, assembly with digital trim position sender. To be used with VesselView-Race Edition or Mercury Racing sterndrive engines with 892486K05 (Vessel Analog Gauge Interface) to convert system link data to drive standard analog gauges. For all other applications use optional analog gauge driver P/N 884359A03 to drive two standard analog gauges.

For 31 ft.(9.4 m) to 40 ft.(12.2 m) boats.

#### **SPORT K-PLANES**



#### 841945A02

Model 380S, assembly with digital trim position sender. To be used with VesselView-Race Edition or Mercury Racing sterndrive engines with 892486K05 (Vessel Analog Gauge Interface) to convert system link data to drive standard analog gauges. For all other applications use optional gauge driver P/N 884359A03 to drive two standard analog gauges.

For 31 ft.(9.4 m) to 40 ft.(12.2 m) boats.

#### **HYDRAULIC PUMP**



#### 8M0083288

Standard pump for use with Sport K-Planes.

#### **DECK MOUNT KIT - TRIM PUMP**



#### 842109A01

Mounting brackets and hardware to mount various Race trim pumps onto horizontal surfaces.

Can be used on Race power trim pumps included with Race Sport K-planes, Race NXT and M series transom plates and Race Optimax 200XS, 200XS ROS, 250XS, 250XS Sport and 300XS outboards. See Mercury electronic parts catalog (EPC) for outboard serial number(s) information.



# K PLANES (TRIM TABS)

#### **K-PLANES SPORT COLOR OPTION**

Custom color K-Planes offered in 12 optional colors to match your custom colored Mercury Racing sterndrive engine package. Not available on 150S models. Please call Mercury Racing Sales at 866-637-2234 to place your custom order.

#### 280S K-PLANE COLOR



#### 8M0114911

Custom color K-Planes offered in 12 optional colors to match your custom colored Mercury Racing sterndrive engine package. Not available on 150S models. Please call Mercury Racing Sales at 866-637-2234 to place your custom order.

#### 380S K-PLANE COLOR



#### 8M0114912

Custom color K-Planes offered in 12 optional colors to match your custom colored Mercury Racing sterndrive engine package. Not available on 150S models. Please call Mercury Racing Sales at 866-637-2234 to place your custom order.

#### **COMPETITION K-PLANES**

Each kit contains two K-Planes, two electric/hydraulic pumps, competition stainless steel hydraulic cylinders, two harnesses, mounting hardware, installation instructions, drilling and mounting templates. Hoses need to be ordered separately.

#### **HYDRAULIC PUMP**



#### 846860T 1

Heavy-duty pump for use with Competition K-Planes

#### **ACTUATOR KITS**

#### **ACTUATOR KIT**



#### 845532A 1

Stainless steel cable grip Fits old style K-Logo, K-Planes.

#### **ACTUATOR KIT**



#### 845630A 1

Plastic cable grip Fits old style K-Logo, K-Planes.

#### **ACTUATOR KIT**



#### 845630A02

Plastic Grip Fits new style M-Logo, K-Planes.

#### **ACTUATOR KIT**

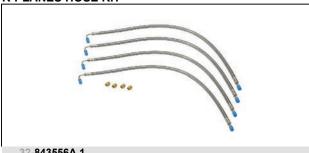


#### 845532A02

Stainless Steel grip Fits new style M-Logo, K-Planes.

#### K-PLANES HOSE KITS

#### K-PLANES HOSE KIT



32-843556A 1

30 inch K-Planes hose kit. Set of 4 hoses with unions in each kit.

32-843675A 1

60 inch K-Planes hose kit. Set of 4 hoses with unions in each kit.

#### **HOSES FOR K-PLANES**

Each K-Plane requires four hoses. Priced and sold separately.

#### **K-PLANE HOSE**



32-845976 30 in.( 76 cm) long

#### **K-PLANE HOSE**



32-845977 60 in.( 152 cm) long

#### **K-PLANE HOSE**



96 in.( 244 cm) long





115 in.( 292 cm) long

#### **INSTALLATION SPECIFICATIONS AND TOOLS**

#### **INSTALLATION AIDS**

#### 14 PIN BRACKET



#### 8M0076435

Rounded edges and anti-rotation Rigging aid for 14 pin data cable

#### NUT



#### 11-889664

(1.500-18) Black Nylon

#### **DUAL STATION RIG HARNESS**



Kit contains one harness and two weather caps

Used to temproarily rig a second station such that the vessel can be operated while the second station is not installed (shipping, rigging installation, short term rework, etc)

#### TRANSOM DRILLING FIXTURE

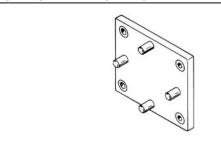


#### 91-98234A 2

Used to assist drilling of the holes for the outboard engine transom bracket mounting bolts.

Mercury/Mariner 30/40 hp. & above (2 cycle), 25 hp. Bigfoot & above (4-Stroke), and Force 40 hp. & above (1993 and newer).

#### **CONTROL DRILLING FIXTURE**



#### 91-828363A 1

Used to assist drilling of the holes for side mount control and panel mount control mounting bolts.

For use with the Commander 2000 side mount and the Commander 3000 panel mount controls.

#### TRANSOM DRILL FIXTURE KIT



#### 91-866590A02

Used to assist drilling of the holes for the MerCruiser transom plate mounting bolts. For MCM 1.6L Vazer models.

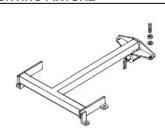
#### **DRILL FIXTURE KIT**



#### 91-43693A 2

Used to assist drilling of the holes for the MerCruiser transom plate mounting bolts. For MCM 3.0L to 350 Magnum (Alpha One), Bravo One, Two, Three and Blackhawk models.

#### **ENGINE MOUNTING FIXTURE**



#### 91-806794A02

Gasoline engine mount installation tool fixture.

MerCruiser gasoline engines, except Vazer engines.

#### 91-807903A 1

Diesel engine mount installation tool fixture.

MerCruiser 2.8 ES (s/n 88010499 and below), D3.0 L, D3.6 L; D4.2 MS / ES (s/n 88020199 and below)

#### **ENGINE MOUNTING FIXTURE**



#### 91-8M0084205

NLA - Order 91-8M0114831 plus 8M0114832 or 8M0114833 Fits all QSD 2.0L, 2.8L & 4.2 engines Also fits 1.7L, 2.8L & 4.2L (Tier 1) engines

#### **ENGINE MOUNTING FIXTURE**



#### 91-8M0114831

Primary mount assembly. To be used in conjuction with Mount Fixture 22.5 in.(571 mm) p/n 8M0114832 and/or Mount Fixture 25.2 in.(640 mm) p/n 8M0114833 For use with all Mercury high speed diesel engines

#### **ENGINE MOUNTING FIXTURE**



#### 91-8M0114832

Fixture mount assembly. To be used in conjuction with Primary Mount Assemby p/n 8M0114831

For use with all Mercury high speed diesel engines, except the V8 TDI

#### **ENGINE MOUNTING FIXTURE**



#### 91-8M0114833

Fixture mount assembly. To be used in conjuction with Primary Mount Assembly p/n 8M0114831

For use with Mercury high speed V8 TDI diesel engines

#### **ALIGNMENT SHAFT TOOL**



#### 91-805475A 1

Used to align the engine to the standard Bravo transom assembly for sterndrive installation.

For MerCruiser drives, except Vazer drives.

#### **ALIGNMENT SHAFT**



#### 91-8M0125730

For MerCruiser drives used with the 4.2L TDI engines

#### 91-8M0114829

For MerCruiser 4.2L TDI engines with ITS transoms

#### **ALIGNMENT SHAFT**



#### 91-8M2001017

Aids in aligning the engine to the transom assembly for sterndrive installation. Works with Vazer, Alpha and Bravo sterndrives.

#### PRELIMINARY SHIFT ADJUSTMENT TOOL



#### 91-12427T

Attaches over the shift cable and aids in proper shift cable adjustment at the shift plate.

For MCM Bravo One and Bravo Two models.

#### **CENTER LIFTING EYE**



Fits MCM/MIE D1.7L DTI diesel engines.

#### **LIFTING EYE - ZEUS POD**



#### 10-8M0080049

Attaches to transmission.

For installation or removal of the Zeus Transmissions.

#### **OUTBOARD ENGINE LIFTING EYE**



#### 91-90455 1

Threads into the flywheel to remove the power head assembly from the driveshaft housing, or to lift entire engine for removal/installation.

Fits most 2 cycle Mercury/Mariner Outboards from the 30/40 (2 cyl.) on up.

#### OUTBOARD ENGINE LIFTING EYE/FLYWHEEL PULLER



#### 91-83164M

Threads into flywheel for lifting powerhead/engine. Also used as a flywheel puller to remove flywheel from engine.

Fits numerous outboard products including the 40/45/50/60 (4 cyl. - 4-Stroke) and the 75/90/115 FourStroke (s/n 1B366822 and below) outboard engines.

#### LIFTING EYE/FLYWHEEL PULLER



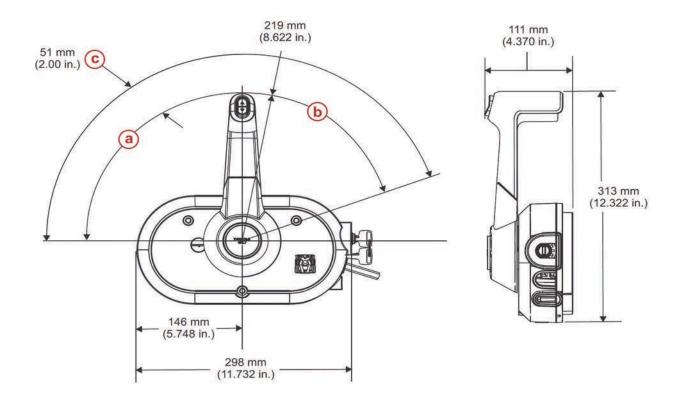
#### 91-895343T02

A combination tool utilized for both lifting the engine and for pulling the flywheel. Fits the 75-115 hp. FourStroke outboards (s/n 1B366823 and above), 135-300 hp. Verado outboards and the F150 EFI FourStroke outboard.

#### MSC 4500 SIDE MOUNT CONTROL SCHEMATIC

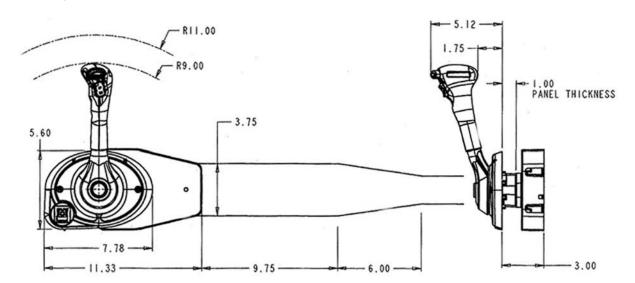
Required mounting clearances: The remote control must be mounted on a hard, flat vertical surface no less than 6.3 mm (1/4 in.) thick.

- a) 90 degree forward rotation from center of handle b) 70 degree reverse rotation from center of handle
- c) Hand clearance



#### MPC 4000 PANEL MOUNT CONTROLS (TRIM/NON-TRIM)

Required mounting clearances for 858690A 1, 2, 3.



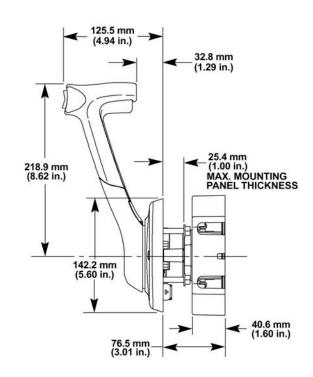
#### MPC 4000 GEN II PANEL MOUNT-LOCK BAR DESIGN

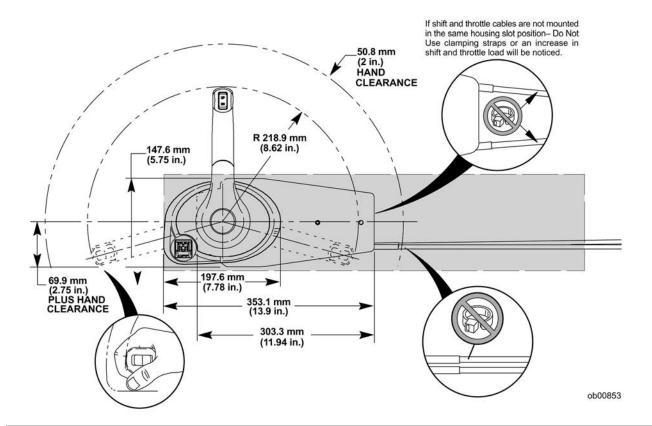
(Trim/Non-Trim) Required mounting clearances for 883710A\_ series controls

#### **Mechanical Panel Control** (Trim/Non-Trim)

IMPORTANT: Ensure that the remote control has adequate clearance and does not contact other components. The cable path should be free of obstructions. See shaded area.

IMPORTANT: The minimum bend radius of the remote control cable is 305 mm (12 in.). For optimum performance, plan a cable route that does not require bends smaller than the minimum. A bend radius less than the minimum creates cable friction and may reduce cable life.

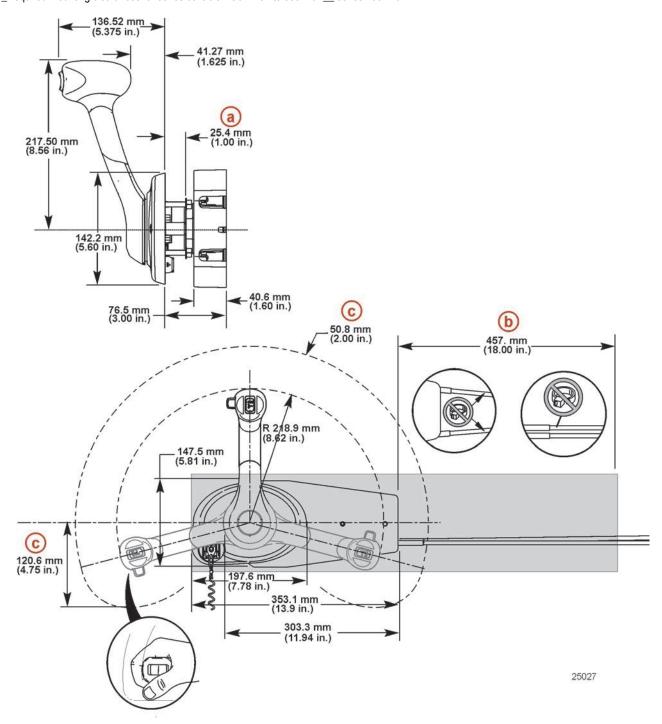




688

#### MPC 4000 GEN II PANEL MOUNT-LOCK BAR FINGER RELEASE DESIGN

(Trim/Non-Trim) \_Required mounting clearances for series controls - Common to 883710A\_\_ series Lock Bar

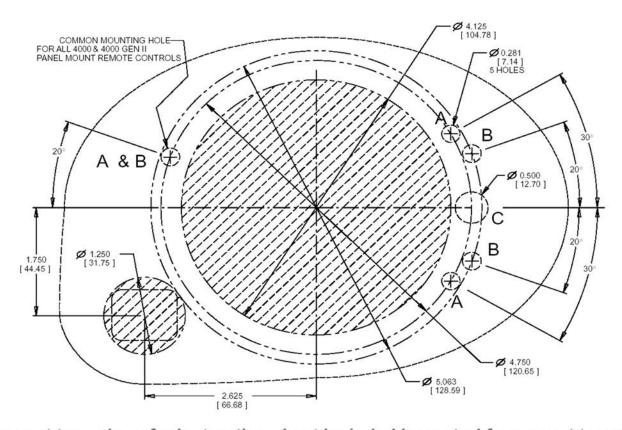


#### MPC 4000/4000 GEN II-PANEL MOUNT CUTOUT TEMPLATE

Template is combined 4000 control and 4000 Gen II control.

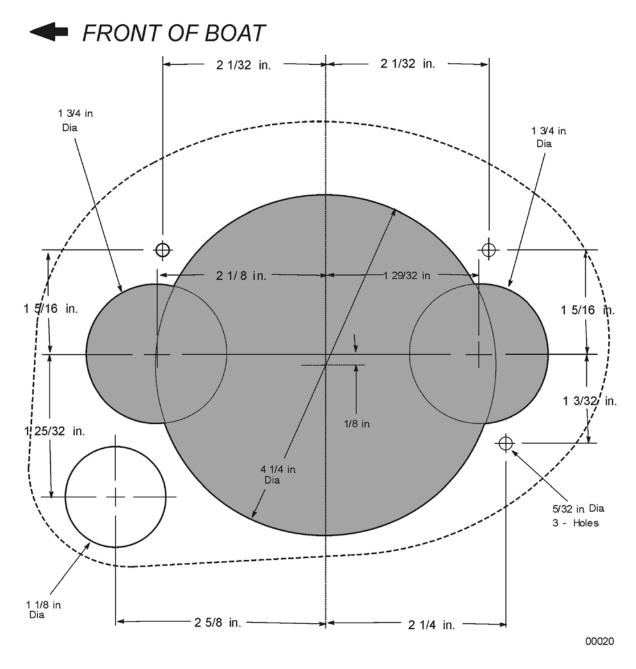
A = HOLES REQUIRED FOR MOUNTING 4000 SERIES MPC. MDL #'S: 858690-A01 THRU A11 & 883709-A01 THRU A03 B = HOLES REQUIRED FOR MOUNTING 4000 GEN II MPC. MDL #'S: 883710-A01 THRU A03

C = HOLE REQUIRED FOR THROTTLE FRICTION ACCESS, 4000 SERIES MPC. MDL #'S: 858690-A01 THRU A11



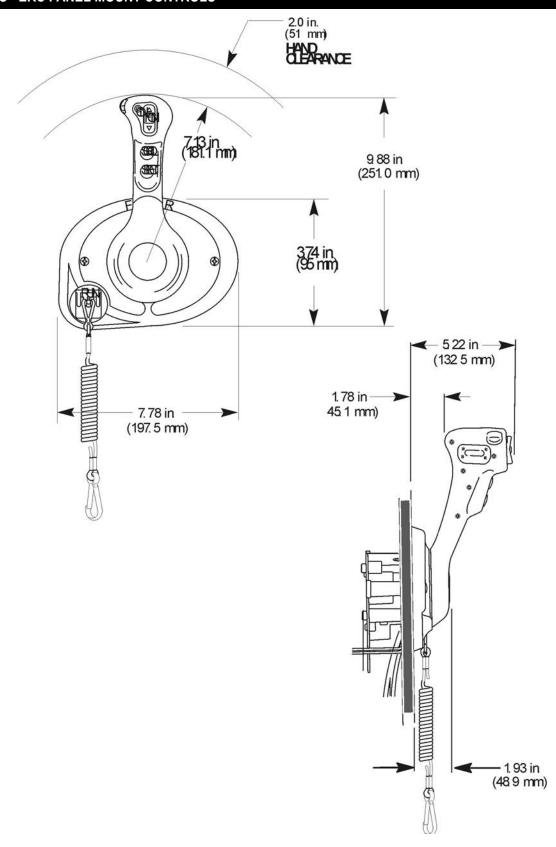
Size not to scale- refer instruction sheet included in control for correct template

#### DTS - ERC PANEL MOUNT CUTOUT TEMPLATE

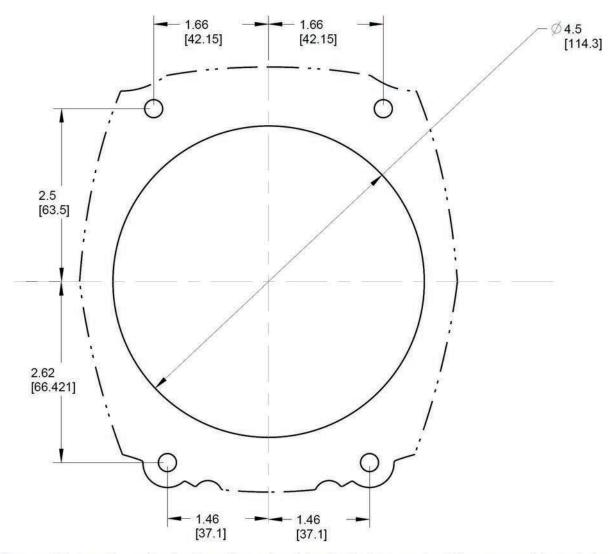


Size not to scale- refer instruction sheet included in control for correct template

#### DTS - ERC PANEL MOUNT CONTROLS

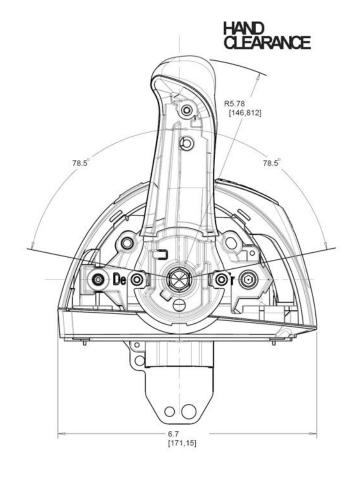


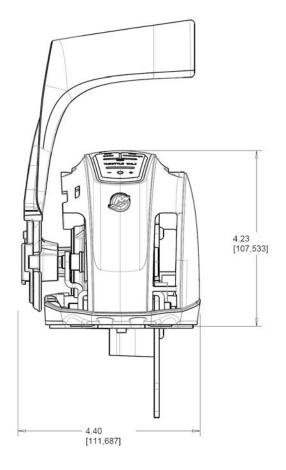
#### DTS - ERC DUAL CONSOLE MOUNT CUTOUT TEMPLATE



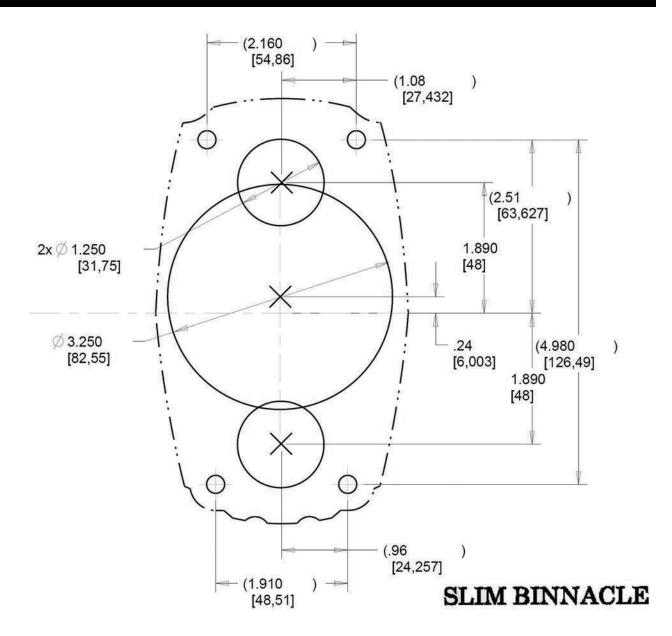
Size not to scale- refer instruction sheet included in control for correct template

#### DTS - ERC CONSOLE MOUNT CONTROLS - SINGLE ENGINE

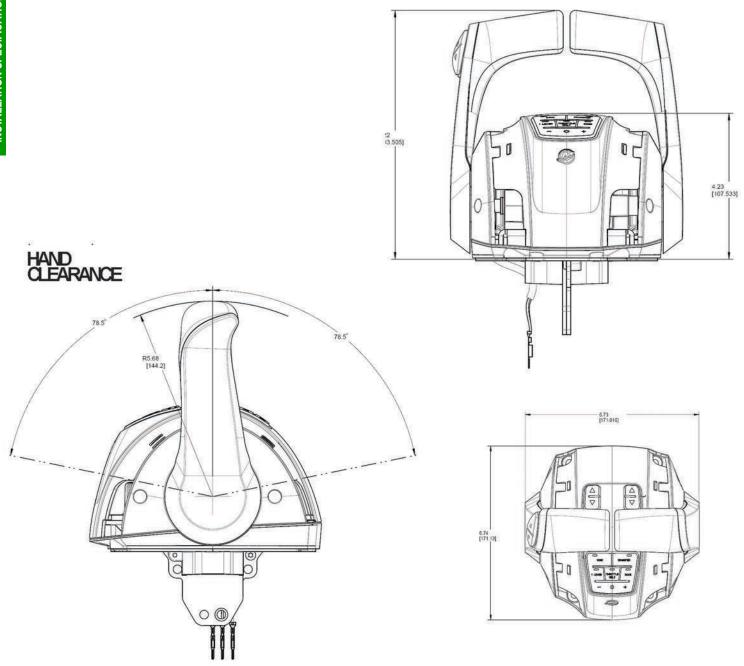




#### DTS - ERC SLIM BINNACLE - SINGLE ENGINE

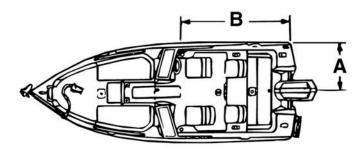


#### DTS - ERC CONSOLE MOUNT CONTROLS - DUAL ENGINE



#### MEASURING OUTBOARD THROTTLE/SHIFT CABLES

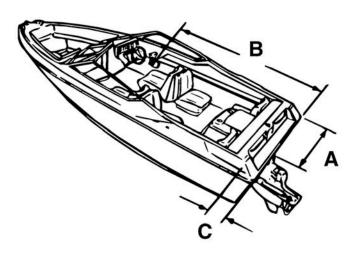
Boats with side mount controls.



- Add boat measurements A-B in inches (mm) and add 18 in. (457 mm) to the total. Dimension B represents the distance from the remote control location measured along the gunwale to the transom.
- 2. In dual engine installations, dimension A is measured from the gunwale to each engine center-line.
- 3. Divide by 12 in. (304 mm).
- This is the length of the throttle and shift cables in feet (meters).
- For left hand (Port) remote control installation, use the same measuring procedure following routing along the opposite side of the boat.

#### **MEASURING MERCRUISER THROTTLE/SHIFT CABLES**

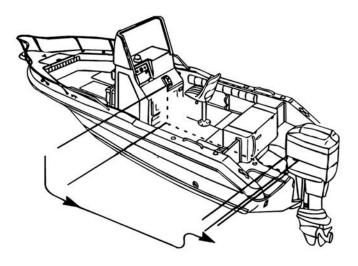
Boats with side mount controls.



- Add A-B-C in inches (mm). Dimension B represents the distance from the remote control location measured along the gunwale to the transom. The C dimension represents distance from the transom, forward to the throttle/shift attaching point.
- 2. In dual engine installations, dimension A is measured from gunwale to each engine center-line.
- 3. Divide by 12 in. (304 mm).
- This is the length of the throttle and shift cables in feet (meters).
- For left hand (Port) remote control installation, use the same measuring procedure following routing along the opposite side of the boat.

#### MEASURING CONSOLE CONTROL THROTTLE/SHIFT CABLES

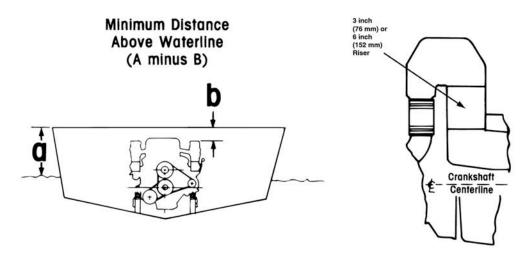
Boats with either Outboard or MerCruiser applications.



- When measuring cable length for a console mount remote control, measure along the actual selected cable routing path and add 18 inches (457 mm) to the total.
- 2. Divide by 12 inches (304 mm).
- This is the length of the throttle or shift cables in feet (meters).

#### **MEASURING FOR EXHAUST RISERS**

The exhaust elbows must be located a sufficient distance above the waterline (at rest with maximum load) to prevent water from entering cylinders through the exhaust system. Available in both 3 in. (76 mm) or 6 in. (152 mm) sizes, risers may be selected using the required minimum distance chart found in the appropriate engine installation manual.



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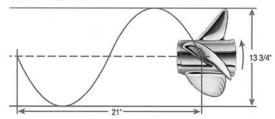
#### PROPELLER SELECTOR

#### HOW-TO-FIND THE RIGHT PROPELLER

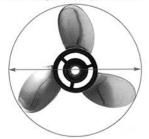
- Find the make, model, year and horsepower of the engine you are propping.
- For a Mercury or MerCruiser engine, turn to the Mercury propeller application charts in this guide and locate the table that contains propellers designed for the engine you are propping.
- Propellers for older Mercury motors can be found in the Historical Propeller charts section of the guide.
- For a non-Mercury outboard or stern drive engine, please reference the Quicksilver section of the propeller guide. Quicksilver propellers are designed to fit a wide variety of competitive applications.
- Many Quicksilver propellers require a hub kit (sold separately) to complete the installation. You can find a Quicksilver 2 step reference guide at the beginning of the propeller guide. This guide will assist you in locating the proper hub kit for your engine.

#### PITCH & DIAMETER

 Each propeller in this guide has a listed diameter and pitch. The diameter is the first number listed, followed by the pitch. For a 14 X 19 Propeller, this means that the propeller has a diameter of 14 inches and has 19 inches of pitch.



 Typically when selecting a propeller, you only need to select the right pitch for your boat.
 The correct diameter for that propeller has usually been predetermined by our engineering staff for most propellers. In general, high horsepower applications require more diameter.
 Propeller diameter typically decreases as pitch increases within a given propeller line.



- The diameter of the propeller is defined as the distance across the imaginary circle that is made as the propeller rotates.
- The pitch of a propeller is the theoretical distance in inches that a propeller would move forward in one revolution. The higher the pitch an engine can turn, the faster the boat will go.

## DETERMINING THE CORRECT PITCH

- Consult the owner's manual to find the recommended full throttle (W.O.T.) RPM range for your engine.
- Run the boat with moderate load in an open stretch of water at W.O.T trimming the engine up for speed. Record the maximum RPM during the run. Repeat the run in the opposite direction to compensate for wind and current. The average of these two numbers is your W.O.T. RPM.
- The best compromise of acceleration, top speed and fuel economy can be obtained when the W.O.T. RPM is in the middle of the manufacturers suggested RPM range.
- An over propped boat will cause the engine to lug, with the engine unable to reach the suggested W.O.T. RPM range. An over propped boat may also exhibit sluggish acceleration and poor hole shot.
- An under propped boat will over-rev, exceeding the manufacturers recommended W.O.T. RPM range.
- If the current propeller isn't in the manufacturers suggested RPM range, select a replacement propeller based on the following guidelines:
  - o Adding one inch of pitch will reduce W.O.T RPM by 150-200 RPM
  - o Subtracting one inch of pitch will increase W.O.T RPM by 150-200 RPM

#### *↑*CAUTION

Operating the engine outside of the recommended RPM range can cause severe damage to your engine and may void the warranty. Always test the boat on the water after you install a new propeller.

#### STEP 1 - SELECT HARDWARE MERCURY

#### MERCURY. Step 1: Select Hardware Locate the model, year and horsepower of your outboard or sterndrive to find your hub kit. Match the 'options' color to a like-colored propeller choice in step 2. Mercury®, Mariner®, and Force® Outboards, and Mercruiser® Sterndrives **Options Hub Kit** Mercury 250-300 HP FourStroke, Mercury 200-300 HP Pro XS, Mercury 300-350 HP Verado, Mercury Racing 400R (any engine with a 1.25" prop shaft) 8M0101601 8M0101602 Mercury 150-225 HP FourStroke in surpace-piercing applications 1 Mercury/Mariner 40 CT -- 300 HP (1" prop shaft), MerCruiser Alpha & Bravo I Sterndrives 8M0150151 Mercury/Mariner 135 - 300 HP [1" prop shaft], MerCruiser 120 - 375 Alpha and Bravo I Sterndrives 835257K1 in non-surface piercing applications Mercury/ Mariner 75 HP 1984 and newer, 90 & 115 HP 1978 and newer, 125 HP 1994 and newer 835257K1 Mercruiser 400 HP + Bravo One sterndrives 835258K2 Mercury V6 used with surfacing propellers; Revolution4, Trophy Plus, Fury and Tempest 835257K6 Mercury Racing Choppers and Cleavers for V6 outboards 835258K1 Mercruiser XZ & XR Racing Sport and Torque Master, Verado SCI 350 HP (1.25 shaft) 840389K06 Force 75 HP 1999, 90-150 Hp 1995 and newer outboards 835257K1 Yamaha® Outboards and Sterndrives **Hub Kit Options** Yamaha 50-100 HP outboards with splined forward washer 835272Q 1 83527102 Yamaha 115 & 130 HP 1984 and newer Yamaha 150-300 HP HPDI and VMAX and 130-300 HP sterndrives 835271Q2 Yamaha 150-300 HP 4-Stroke outboards (excluding V8 models) 115-250 HP SHO 2015 and Newer 835274Q 1 Yamaha 200-250 HP SHO 4-Stroke outboards 2014 and older 8M0075402 Evinrude® and Johnson® Outboards, Volvo® and OMC® Sterndrives **Options Hub Kit** Johnson 90-115 HP 4-Stroke outboards 835283Q 1 Johnson 140 HP 4-Stroke outboards 8352830 2 Evinrude/Johnson V4 outboards 8352660 1\* Evinrude ETEC G2 200-300 HP 8M0107220 Evinrude/Johnson outboards and OMC sterndrives with V6 and V8 gearcases, Cobra and King 8M0119081 Cobra sterndrives 1991 and newer Evinrude/Johnson outboards and OMC sterndrives with V6 and V8 gearcases, Cobra and King 8M0119082 Cobra sterndrives 1990 and older\*\* Volvo SX 1996 and newer, OMC Cobra SX sterndrives 1994 and newer, 7.4L 1994 and newer [19 8M0119083 tooth spline)\*\* Suzuki® Outboards **Options Hub Kit** Suzuki 60 HP 4-Stroke 1998 and newer, 70 HP 4-Stroke 1998-2008, and 75-140 HP 2-Stroke outboards 835282Q 1\* Suzuki 70-90 HP 2009 and newer outboards 835283003 Suzuki 90-115 HP 4-Stroke 2001-2008 outboards 835283Q 1 Suzuki 100-115 Hp 4-Stroke 2009 and newer, 140 HP 4-Stroke outboards 835283Q 2 Suzuki 150-300 HP 4-Stroke, 150-225 2-Stroke outboards 835281Q1 Honda® Outboards Options **Hub Kit** Honda 75-90 HP outboards 1998 and older 835277Q 1 835279Q 2 Honda 75-90 HP outboards 1999 and newer, and 115-130 HP Honda 135-225 HP 4-Stroke outboards 835278Q 1 Tohatsu® and Nissan® Outboards Options 60-140 HP outboards 835284Q 1 \*Small labyrinth seal propeller required. See Mercury Accessories Guide for full selection of application specific propellers. \*\*WARNING: Interference exists between the ribs on Quicksilver Stainless Steel Propellers and the add-on OMC/Volvo Anode P/N 3852970. Anode and attaching hardware must be removed for proper clearance. Honda is a registered trademark of Honda Motor Co. Nissan is a registered trademark of Nissan Motor Co., Inc.: Suzuki is a registered trademark of Suzuki Motor Co., Ltd. Tohatsu is a registered trademark of Tohatsu Corp. Volvo is a registered trademark of Volvo Ltd. Yamaha is a registered trademark of Yamaha Corp. Evinrude, Johnson and OMC are registered trademarks of Bombardier. All other trademarks belong to the Brunswick Corporation. ©2019 Mercury Marine. A division of Brunswick Corporation. All rights reserved. PN 8M0157154 - 0119

#### **STEP 2 - SELECT PROPELLER MERCURY**



#### Step 2: Select Propeller

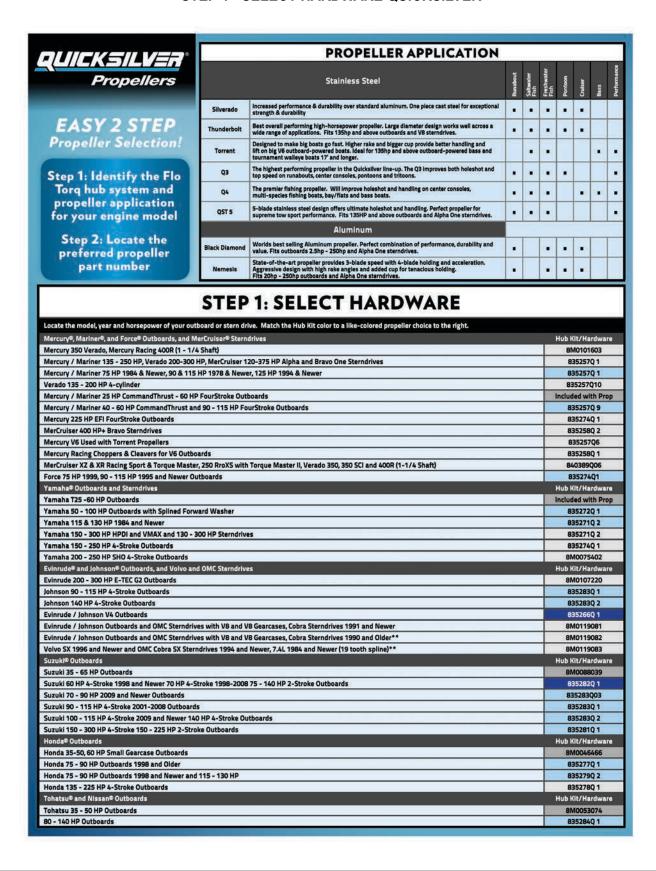
Select a propeller by choosing a diameter and pitch that best compliments your boat and general usage.

Dia X Ptch	Matl	Blades	Model	LH	RH
12.5 X 23	Alum	3	Black Max	**	77350A45
12.75 X 21	Alum	3	Black Max	••	77348A4
13 X 19	Alum	3	Black Max		77346A45
13.25 X 17	Alum	3	Black Max		77344A4
13.25 X 16	Alum	3	Black Max	**	854360A4
13.75 X 15	Alum	3	Black Max		77342A4
14 X 13	Alum	3	Black Max		77340A45
14 X 13	Alum	3	Black Max Pontoon		8M015135
14 X 11	Alum	3	Black Max	22	77338A45
14 X 11	Alum	3	Black Max Pontoon		8M015135
14 X 10	Alum	3	Black Max		854342A4
14 X 10	Alum	3	Black Max Pontoon		8M015135
14 X 9	Alum	3	Black Max		854340A4
12.75 X 19	Alum	4	SpitFire		8M802660
12.75 X 17	Alum	4	SpitFire	22	8M802659
12.75 X 17	Alum	4	SpitFire		8M802658
13.75 X 13	Alum	4	SpitFire Pontoon		8M802657
1.00					
13.75 X 11	Alum	4	SpitFire Pontoon	**	8M802656
13.75 X 10	Alum	4	SpitFire Pontoon	**	8M802655
12.75 X 21	SS	4	SpitFire X7		8M015136
12.75 X 19	SS	4	SpitFire X7		8M015136
13 X 17	SS	4	SpitFire X7	22	8M015136
13.5 X 15	SS	4	SpitFire X7		8M015136
14 X 13	SS	4	SpitFire X7	22	8M015136
13 X 18	SS	3	Vengeance	22	8M015140
13.1 X 16	SS	3	Vengeance		8M015140
13.4 X 14	SS	-3	Vengeance	**	8M015139
14 X 12	SS	- 3	Vengeance		8M015139
14 X 10	SS	3	Vengeance		8M015139
13.75 X 26	SS	4	Trophy Plus		8M015139
13.75 X 25	SS	4	Trophy Plus	**	8M015139
13.75 X 24	SS	4	Trophy Plus		8M015139
13.75 X 23	SS	4	Trophy Plus		8M015139
13.75 X 21	SS	4	Trophy Plus	**	8M015139
13.75 X 19	SS	4	Trophy Plus		8M015139
13.75 X 17	SS	4			8M015138
14 X 23	Alum	3	Trophy Plus Black Max		832834A4
	1,000,000				
14.25 X 21	Alum	3	Black Max	55	832832A4
14.5 X 19	Alum	3	Black Max		832830A4
15.5 X 18	Alum	3	Black Max	51	11324A45
15 X 17	Alum	3	Black Max	- 11	832828A4
16 X 16	Alum	3	Black Max	**	16440A45
15.25 X 15	Alum	3	Black Max	**	78116A45
15.5 X 15	Alum	3	Black Max Pontoon		78116CP
16 X 14	Alum	3	Black Max		16438A45
16 X 14	Alum	3	Black Max Pontoon		16438CP
16 X 13	Alum	3	Black Max		78114A45
16 X 13	Alum	3	Black Max Pontoon		78114CP
16 X 12	Alum	3	Black Max		16436A45
16 X 12	Alum	3	Black Max Pontoon		16346CP
16 X 11	Alum	3	Black Max	- 2	78112A45
14 X 23	Alum	4	SpitFire		8M008449
14 X 21	Alum	4	SpitFire		8M008449
		4	- Linkstein Committee	===	
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			SpitFire		
14 X 14	Alum	4	SpitFire		8M008449
14 X 12	Alum	4	SpitFire	22	8M008449
14 x 12	Alum	4	SpitFire	-	8M008449
13.75 X 21	SS	3	Vengeance		8M015140
14 X 19	SS	3	Vengeance	8M0151406	8M015140
14.5 X 17	SS	3	Vengeance	8M0151404	8M015140
14.5 X 15	SS	3	Vengeance	22	8M015140

Dia X Ptch	Matt	Blades	Model	LH	RH
14.5 X 25	SS	3	Mirage Plus	200	8M0151313
14.6 X 23	SS	3	Mirage Plus	8M0151311	8M0151312
14.75 X 21	SS	3	Mirage Plus	8M0151309	8M0151310
15.25 X 19	SS	3	Mirage Plus	8M0151307	8M0151308
15.5 X 17	SS	3	Mirage Plus	8M0151303	8M0151304
15.75 X 15	SS	3	Mirage Plus	8M0151301	8M0151302
		3		010101001	8M0151302
16 X 13	SS		Mirage Plus		- Contractor of the Contractor
14.6 X 27	55	3	Tempest Plus		8M0151388
14.6 X 26	55	3	Tempest Plus		8M0151387
14.6 X 25	55	3	Tempest Plus		8M0151386
14.6 X 24	SS	3	Tempest Plus		8M0151385
14.6 X 23	SS	3	Tempest Plus		8M0151384
14.6 X 22	SS	3	Tempest Plus	**	8M0151383
14.6 X 21	SS	3	Tempest Plus	**	8M0151382
14.6 X 19	SS	3	Tempest Plus	ée.	8M0151381
14.6 X 17	SS	3	Tempest Plus		8M0151380
13.75 X 26	SS	4	Trophy Plus	220	8M0151395
13.75 X 25	SS	4	Trophy Plus	200	8M0151394
13.75 X 24	SS	4	Trophy Plus	200	8M0151393
13.75 X 23	SS	4	Trophy Plus	¥29	8M0151392
13.75 X 21	SS	4	Trophy Plus	223	8M0151391
13.75 X 19	SS	4	Trophy Plus	\$48	8M0151390
13.75 X 17	55	4	Trophy Plus	426	8M0151389
13.25 X 21	SS	5	High Five		8M0151292
and the state of t					
13.25 X 19	SS	5	High Five		8M0151291
13.5 X 17	SS	5	High Five	1.0000000000000000000000000000000000000	8M0151290
14.6 X 25	SS	4	Revolution 4	8M0151328	8M0151329
14.6 X 23	SS	-4	Revolution 4	8M0153126	8M0151327
14.6 X 21	SS	4	Revolution 4	8M0151324	8M0151325
14.6 X 20	55	4	Revolution 4	8M0151322	8M0151323
14.6 X 19	SS	4	Revolution 4	8M0151320	8M0151321
14.6 X 18	SS	4	Revolution 4	8M0151318	8M0151319
14.6 X 17	SS	4	Revolution 4	8M0151316	8M0151317
14.6 X 15	SS	4	Revolution 4	8M0151314	8M0151315
15.25 X 32	SS	4	Bravo I	8M0151220	8M0151221
15.25 X 30	SS	4	Bravo I	8M0151218	8M0151219
15.25 X 28	SS	4	Bravo I	8M0151216	8M0151217
15.25 X 26	SS	4	Bravo I	8M0151214	8M0151215
15.25 X 24	SS	4	Bravo I	8M0151212	8M0151213
15.25 X 22	SS	4	Bravo I	8M0151210	8M0151211
	SS	3	Enertia	080101210	8M0151245
13.5 X 22			2-11-11-11-1	01401510/0	
13.6 X 21	SS	3	Enertia	8M0151242	8M0151243
13.75 X 20	\$\$	3	Enertia	***	8M0151241
14 X 19	SS	3	Enertia	8M0151238	8M0151239
14.25 X 18	SS	3	Enertia	34.7	8M0151237
14.5 X 17	SS	3	Enertia	8M0151234	8M0151235
14.75 X 16	SS	3	Enertia	- 25	8M0151233
15 X 15	55	3	Enertia	8M0151230	8M0151231
15.25 X 14	SS	3	Enertia	8M0151228	8M0151229
15.6 X 13	SS	3	Enertia	8M0151226	8M0151227
16 X 11	SS	3	Enertia	8M0151224	8M0151225
14 X 27	55	3	Fury	**	8M0151275
14 X 26	55	3	Fury		8M0151274
14 X 25	SS	3	Fury		8M0151273
14 X 24	SS	3	Fury		8M0151273
14 X 24	55	3	Fury		8M0151272
			CONTRACTOR OF THE PARTY OF THE		
14.5 X 26	SS	4	Fury 4	- 55	8M0151281
14.5 X 25	SS	- 4	Fury 4	**	8M0151280
14.5 X 24	55	- 4	Fury 4	**	8M0151279
14 X 21	SS	4	Fury V	221	8M0151287
14 X 20	55	4	Fury V	220	8M0151286
14.5 X 19	SS	4	Fury V	227	8M0151285
16 X 23	SS	3	Enertia ECO	8M0151262	8M0151263
16 X 22	\$5	3	Enertia ECO	8M0151260	8M0151261
16 X 21	SS	3	Enertia ECO	8M0151258	8M0151259
16 X 20	55	3	Enertia ECO	8M0151256	8M0151257
16 X 19	SS	3	Enertia ECO	8M0151254	8M0151255
16 X 18	SS	3	Enertia ECO	8M0151252	8M0151253
		-	WITH HE LAND	0110101232	2100121233

#### STEP 1 - SELECT HARDWARE QUICKSILVER

#### STEP 1 - SELECT HARDWARE QUICKSILVER



#### **STEP 2 - SELECT PROPELLER QUICKSILVER**

	2. CE	LECT PI	ODEI	IED	Size	Blades	Model	RH Part #	LH Part
JIEP.	<b>2:</b> 3E	LECIP	KOPEL	LEK	14 x 9	3	Black Diamond	QA2026X	
Size	Blades	Model	RH Part#	LH Part #	14 x 10	3	Black Diamond	QA2028X	11-21
12 1/2 X 8 RH	3	Black Diamond	QA2060X	-	14 x 10 Extra Cup	3	Black Diamond	QA2828X	-
12 1/4 X 9 RH	3	Black Diamond	QA2062X	-	14 x 11	3	Black Diamond	QA2030X	
11 1/4 X 10 RH	3	Black Diamond	QA2064X	:	14 x 11 Extra Cup	3	Black Diamond	QA2830X	_
10 7/8 X 11 RH	3	Black Diamond	QA2070X		14 x 13	3	Black Diamond	QA2032X	1,-1
10 3/4 X 12 RH	3	Black Diamond	QA2072X		14 x 13 Extra Cup	3	Black Diamond	QA2832X	-
10 5/8 X 12 RH	3	Black Diamond	QA2074X	770	13 1/. x 15	3	Black Diamond Black Diamond	QA2034X QA2036X	(7=1)
10 1/2 X 13 RH	3	Black Diamond	QA2076X		13 x 19	3	Black Diamond	QA2038X	
10 3/8 X 13 RH	3	Black Diamond Black Diamond	QA2078X QA2080X	700	12 3/4 x 21	3	Black Diamond	QA2040X	
10 3/8 X 14 RH	3	Black Diamond	QA2082X	201	12 1/1 x 23	3	Black Diamond	QA2042X	( - c
10 1/8 X 15 RH	3	Black Diamond	QA2084X		13 1/4 x 10	4	Nemesis Pontoon	8M8027497	-
10.6X 12 RH	4	Nemesis	8M8027511		13 1/4 x 11	4	Nemesis Pontoon	8M8027498	7-1
10.3 X 13 RH	4	Nemesis	8M8027512	_	13 1/4 x 13	4	Nemesis Pontoon	8M8027500	19_3
10.1 X 14 RH	4	Nemesis	8M8027513	-	13 1/2 x 15	4	Nemesis	8M8027502	
10.1 X 15 RH	4	Nemesis	8M8027514	-	13 x 17	4	Nemesis	8M8027504	
11 X 12 RH	3	Silverado	QS5164X	100	12 1/2 x 19	4	Nemesis	8M8027506	2 <del>-</del> 3
10 1/2 X 13 RH	3	Silverado	QS5166X		14 x 13	4	Q4	8M0055559	: <b>-</b> :
10 3/8 X 14 RH	3	Silverado	QS5168X	-	13 1/2 x 15	4	Q4	8M0055560	9-0
10 1/4 X 15 RH	3	Silverado	QS5170X	-	13 x 17	4	Q4	8M0055561	77_7
16 x 11	3	Black Diamond	QA2000X		12 3/4 x 19	4	Q4	8M0055562	-
16 x 13	3	Black Diamond	QA2004X	<u>us</u> )	12 3/4 x 21	4	Q4	8M0055563	<del>-</del>
16 x 14	3	Black Diamond	QA2006X	<del></del>	14 x 10	3	Silverado	8M0055292	
15 1/x x 15	3	Black Diamond	QA2008X	-	14 x 12 13 1/• x 14	3	Silverado Silverado	8M0055293 QS5114X	73-0
16 x 16	3	Black Diamond	QA2010X	-	13 1/4 x 16	3	Silverado	QS5116X	7-4
15 x 17	3	Black Diamond	QA1912X	-	13 x 18	3	Silverado	QS5118X	
15 1/2 x 18	3	Black Diamond	QA2014X		14 x 13 Extra Cup	3	Black Diamond	QA3832X	_
14 1/2 x 19	3	Black Diamond	QA1916X		13 1/4 x 15	3	Black Diamond	QA2208X	_
14 1/4 x 21	3	Black Diamond	QA1918X		13 1/4 x 17	3	Black Diamond	QA2206X	_
14 x 23	3	Black Diamond	QA1920X		Bravo III	w	40 20		
13 1/+ x 25	3	Black Diamond Nemesis Pontoon	QA2022X 8M0055531		Size	Blades	Model	Rear Part #	Front Par
14 x 12	4	Nemesis Pontoon	8M0055533		14 3/8 x 20 RH	3	Thunderbolt Bill	QS3320S	_
14 x 17	4	Nemesis	8M0055534	42	16 x 20 LH	3	Thunderbolt Bill		QS3321
14 x 19	4	Nemesis	8M0055535		14 1/4 x 22 RH	3	Thunderbolt Bill	Q53322S	
14 x 21	4	Nemesis	8M0055536	_	15 3/4 x 22 LH	3	Thunderbolt Bill	5	QS3323
14 x 23	4	Nemesis	8M0055537		14 1/4 x 24 RH	3	Thunderbolt Bill	QS3324S	i —
14 1/1 x 15	3	Silverado	QS5050X	201	15 1/2 x 24 LH	3	Thunderbolt Bill	_	QS3325
14 1/2 x 17	3	Silverado	QS5052X	<u>200</u> 0	14 x 26 RH	3	Thunderbolt Bill	QS3326S	-
14 x 19	3	Silverado	QS5054X	-	15 1/4 x 26 LH	3	Thunderbolt Bill		QS3327
13 1/4 x 21	3	Silverado	QS5056X		13 3/4 x 28 RH	3	Thunderbolt Bill	Q53328S	
4314	3					-	Thursdaybalk Dill		0022200
13 1/2 x 23	100	Silverado	QS5058X	-	15 x 28 LH	3	Thunderbolt Bill	-	QS3329
13 '/• x 23 16 x 11	3	Silverado Q3	QS5058X 8M0103516	-	Volvo DPS			Pear Part #	
				1 1		Blades	Model	Rear Part #	QS3329
16 x 11	3	Q3	8M0103516	1 1 1	Volvo DPS			Rear Part # 8M8026220	Front Par
16 x 11 15 '/• x 13 15 '/• x 14 15 x 15	3 3 3	Q3 Q3 Q3	8M0103516 8M0103517 8M0103518 8M0103519	1 1 1 1	Volvo DPS Size	Blades 3	Model Quicksilver Thunderbolt		Front Par
16 x 11 15 1/• x 13 15 1/• x 14 15 x 15 14 1/• x 16	3 3 3 3 3	Q3 Q3 Q3 Q3	8M0103516 8M0103517 8M0103518 8M0103519 8M0103520		Volvo DPS Size	Blades 3 4	Model	8M8026220 —	Front Par — 8M80262
16 x 11 15 '/• x 13 15 '/• x 14 15 x 15 14 '/• x 16 14 '/• x 17	3 3 3 3 3	Q3 Q3 Q3 Q3 Q3	8M0103516 8M0103517 8M0103518 8M0103519 8M0103520 8M0103521		Volvo DPS Size 19	Blades 3 4	Model Quicksilver Thunderbolt Quicksilver Thunderbolt	8M8026220 —	Front Par — 8M80262
16 x 11 15 '/• x 13 15 '/• x 14 15 x 15 14 '/• x 16 14 '/• x 17 14 '/• x 18	3 3 3 3 3 3	Q3 Q3 Q3 Q3 Q3 Q3 Q3	8M0103516 8M0103517 8M0103518 8M0103519 8M0103520 8M0103521 8M0103521		Volvo DPS Size	Blades 3 4 3	Model Quicksilver Thunderbolt	8M8026220 — 8M8026240 —	Front Pai 
16 x 11 15 */.x 13 15 */.x 14 15 x 15 14 */.x 16 14 */.x 17 14 */.x 18 14 x 19	3 3 3 3 3 3 3	Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3	8M0103516 8M0103517 8M0103518 8M0103519 8M0103520 8M0103521 8M0103522 8M0103523	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Volvo DPS Size 19 20 21	Blades 3 4 3 4	Model Quicksilver Thunderbolt Quicksilver Thunderbolt Quicksilver Thunderbolt	8M8026220 — 8M8026240 —	Front Pai 
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 17 14 '/.x 17 14 x 19 13 '/.x 20	3 3 3 3 3 3 3 3	Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3	8M0103516 8M0103517 8M0103518 8M0103519 8M0103520 8M0103521 8M0103522 8M0103523 8M0103524	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Volvo DPS Size 19	Blades 3 4 3 4 3	Model Quicksilver Thunderbolt Quicksilver Thunderbolt	8M8026220 — 8M8026240 — 8M8026260 — 8M8026280	Front Pai 
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 17 14 '/.x 18 14 x 19 13 '/.x 20 13 '/.x 21	3 3 3 3 3 3 3 3 3	Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3	8M0103516 8M0103517 8M0103518 8M0103519 8M0103520 8M0103521 8M0103522 8M0103522 8M0103523 8M0103524	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Volvo DPS Size 19 20 21 22.5	Blades 3 4 3 4 3 4 3 4 3 4 3 4 3 4	Model Quicksilver Thunderbolt Quicksilver Thunderbolt Quicksilver Thunderbolt Quicksilver Thunderbolt	8M8026220 — 8M8026240 — 8M8026260	Front Pai 
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 17 14 '/.x 18 14 x 19 13 '/.x 20 13 '/.x 21 14 '/.x 17	3 3 3 3 3 3 3 3 3 3	Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3	8M0103516 8M0103517 8M0103518 8M0103519 8M0103520 8M0103521 8M0103521 8M0103523 8M0103524 8M0103524 8M0103525 8M0103525		Volvo DPS Size 19 20 21	Blades 3 4 3 4 3 4 3 4 3 4 3 4	Model Quicksilver Thunderbolt Quicksilver Thunderbolt Quicksilver Thunderbolt	8M8026220 —— 8M8026240 —— 8M8026260 —— 8M8026280 —— 8M8026300	Front Pai 
16 x 11 15 '/x 13 15 '/x 14 15 '/x 15 14 '/x 15 14 '/x 17 14 '/x 18 14 x 19 13 '/x 20 13 '/x 21 14 '/x 17	3 3 3 3 3 3 3 3 3 3 4 4	Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q4	8M0103516 8M0103517 8M0103518 8M0103519 8M0103520 8M0103520 8M0103521 8M0103523 8M0103523 8M0103523 8M0103525 8M0103525 8M0103526		Volvo DPS Size 19 20 21 22.5	Biades 3 4 3 4 3 4 4 3 3 4 4 3 3 4 4 3 3	Model  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt	8M8026220 — 8M8026240 — 8M8026260 — 8M8026280	Front Par 
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 16 14 '/.x 18 14 x 19 13 '/.x 20 13 '/.x 20 13 '/.x 21 14 '/.x 17 14 '/.x 19 14 '/.x 19	3 3 3 3 3 3 3 3 3 4 4	Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q4 Q4	8M0103516 8M0103517 8M0103518 8M0103518 8M0103520 8M0103521 8M0103522 8M0103523 8M0103524 8M0103525 8M0103525 8M0103526 8M0103526		Volvo DPS Size 19 20 21 22.5	Blades 3 4 3 4 3 4 3 4 3 4 3 4 4 3 4	Model Quicksilver Thunderbolt Quicksilver Thunderbolt Quicksilver Thunderbolt Quicksilver Thunderbolt	8M8026220 — 8M8026240 — 8M8026260 — 8M8026280 — 8M8026300 — 8M8026300	Front Par 
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 16 14 '/.x 18 14 x 19 13 '/.x 20 13 '/.x 21 14 '/.x 17 14 '/.x 17 14 '/.x 17 14 '/.x 19 14 '/.x 21	3 3 3 3 3 3 3 3 3 3 4 4 4	Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q3 Q4 Q4	8M0103516 8M0103517 8M0103519 8M0103519 8M0103520 8M0103520 8M0103522 8M0103523 8M0103524 8M0103526 8M0103526 8M0103526 8M0103526 8M0103528		Volvo DPS Size 19 20 21 22.5	Blades 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4	Model  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt	8M8026220 —— 8M8026240 —— 8M8026260 —— 8M8026280 —— 8M8026300	Front Pai — 8M80262 — 8M80262 — 8M80262 — 8M80262 — 8M80262 — 8M80263
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 16 14 '/.x 18 14 x 19 13 '/.x 20 13 '/.x 21 14 '/.x 17 14 '/.x 19 14 '/.x 19 14 '/.x 21 14 '/.x 23 15 '/.x 15	3 3 3 3 3 3 3 3 3 4 4 4 4 4	Q3 Q4 Q4 Q4 Q4 Q4 Thunderbolt	8M0103516 8M0103517 8M0103519 8M0103519 8M0103520 8M0103521 8M0103522 8M0103523 8M0103524 8M0103525 8M0103525 8M0103528 8M0103528 8M0103532		Volvo DPS Size 19 20 21 22.5 24 26 28	Blades 3 4 3 4 3 4 3 4 3 4 3 4 4 3 4	Model  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt	8M8026220 — 8M8026240 — 8M8026260 — 8M8026280 — 8M8026300 — 8M8026300	Front Pai — 8M80262 — 8M80262 — 8M80262 — 8M80262 — 8M80262 — 8M80263
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 17 14 '/.x 18 14 x 19 13 '/.x 20 13 '/.x 20 13 '/.x 21 14 '/.x 17 14 '/.x 17 14 '/.x 19 14 '/.x 21 14 '/.x 21 15 '/.x 15 15 '/.x 15	3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 3	Q3 Q4 Q4 Q4 Q4 Thunderbolt Thunderbolt	8M0103516 8M0103517 8M0103519 8M0103519 8M0103520 8M0103521 8M0103522 8M0103524 8M0103525 8M0103525 8M0103525 8M0103526 8M0103526 8M0103530 8M0103530 8M0103530		Volvo DPS Size 19 20 21 22.5 24	Blades 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 4 3	Model  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt	8M8026220 	## Front Pair   ##   ##   ##   ##   ##   ##   ##
16×11 15'/×13 15'/×14 15'/×15 14'/×16 14'/×18 14×19 13'/×20 13'/×21 14'/×17 14'/×17 14'/×19 14'/×21 14'/×21 15'/×15 15'/×15	3 3 3 3 3 3 3 3 4 4 4 4 4 4 3 3 3	Q3 Q4 Q4 Q4 Q4 Thunderbolt Thunderbolt	8M0103516 8M0103517 8M0103519 8M0103519 8M0103520 8M0103521 8M0103522 8M0103523 8M0103523 8M0103525 8M0103526 8M0103526 8M0103526 9M0103528 8M0103520 8M0103520 8M0103520		Volvo DPS Size 19 20 21 22.5 24 26 28	Blades 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	Model  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt  Quicksilver Thunderbolt	8M8026220 — 8M8026240 — 8M8026260 — 8M8026280 — 8M8026300 — 8M8026300	## SM80262 ## SM80262 ## SM80263 ## SM8026 ## SM802 ## SM8026 ## SM802 ## SM802 ## SM802 ## SM802 ## SM802 ## SM8026 ## SM802 ## SM802 ## SM802 ## SM
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 18 14 x 19 13 x 20 13 x 20 13 x 21 14 x 19 14 x 19 14 x 19 14 x 19 14 x 19 14 x 17 14 x 17 14 x 17 14 x 17 14 x 17 15 x 17 15 x 17 15 x 17 15 x 17 17 x 19 18 x 17 18 x 17 18 x 17 19 x 17 19 x 17 19 x 17 10 x 17 10 x 17 11 x 17 11 x 17 12 x 17 13 x 17 14 x 17 15 x 17 15 x 17 16 x 17 17 x 19 17 x 19 18 x 17 18 x 17 19 x 17 10 x 17	3 3 3 3 3 3 3 3 4 4 4 4 4 3 3 3 3 3 3 3	Q3 Q4 Q4 Q4 Q4 Q4 Thunderbolt Thunderbolt Thunderbolt	8M0103516 8M0103517 8M0103518 8M0103518 8M0103520 8M0103521 8M0103522 8M0103523 8M0103525 8M0103525 8M0103526 8M0103526 8M0103526 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530		Volvo DPS Size 19 20 21 22.5 24 26 28 Volvo IPS	Blades 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	Model  Quicksilver Thunderbolt	8M8026240 — 8M8026240 — 8M8026260 — 8M8026300 — 8M8026300 — 8M8026340 — 8M8026340	## SM80262 ## SM80262 ## SM80263 ## SM8026 ## SM802 ## SM8026 ## SM802 ## SM802 ## SM802 ## SM802 ## SM802 ## SM8026 ## SM802 ## SM802 ## SM802 ## SM
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 16 14 x 19 13 x 20 13 x 20 13 x 21 14 x 19 14 x 19 14 x 19 14 x 19 14 x 19 14 x 17 14 x 17 14 x 19 14 x 19 15 x 17 15 x 15 15 x 17 15 x 19 14 x 19 14 x 21 14 x 21	3 3 3 3 3 3 3 3 3 4 4 4 4 4 3 3 3 3 3 3	Q3 Q4 Q4 Q4 Q4 Thunderbolt Thunderbolt Thunderbolt Thunderbolt Thunderbolt	8M0103516 8M0103517 8M0103518 8M0103518 8M0103520 8M0103521 8M0103522 8M0103523 8M0103524 8M0103526 8M0103526 8M0103526 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530 8M0103530		Volvo DPS Size 19 20 21 22.5 24 26 28 Volvo IPS	Blades 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	Model  Quicksilver Thunderbolt	8M8026220 	### Front Pail ### 8M80262 ### 8M80262 ### 8M80262 ### 8M80262 ### 8M80263 ### 8M80263 ### 8M80263 ### 8M80263
16×11 15'/×13 15'/×14 15×15 14'/×16 14'/×16 14'/×18 14×19 13'/×20 13'/×21 14'/×17 14'/×17 14'/×21 14'/×21 14'/×21 14'/×21 14'/×21 14'/×21 14'/×21 14'/×21 14'/×21	3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 3 3 3 3 3	Q3 Q4 Q4 Q4 Q4 Thunderbolt Thunderbolt Thunderbolt Thunderbolt Torrent Torrent	8M0103516 8M0103517 8M0103518 8M0103518 8M0103520 8M0103521 8M0103522 8M0103523 8M0103524 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526		Volvo DPS Size 19 20 21 22.5 24 26 28 Volvo IPS 7	Blades 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	Model  Quicksilver Thunderbolt	8M8026240	Front Pai 
16×11 15'/×13 15'/×14 15×15 14'/×16 14'/×16 14'/×17 14'/×18 14×19 13'/×20 13'/×21 14'/×17 14'/×17 14'/×19 14'/×21 14'/×23 15'/×15 15'/×15 15'/×17 15'/×21 14'/×21 14'/×21 14'/×21 14'/×21 14'/×21	3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 3 3 3 3 3	Q3 Q4 Q4 Q4 Q4 Thunderbolt Thunderbolt Thunderbolt Thunderbolt Thunderbolt Torrent Torrent Torrent	8M0103516 8M0103517 8M0103519 8M0103519 8M0103520 8M0103521 8M0103523 8M0103523 8M0103525 8M0103525 8M0103525 8M0103526 8M0103532 QS5002X QS5004X QS5004X QS5006X QS5066X		Volvo DPS Size 19 20 21 22.5 24 26 28 Volvo IPS 7	Blades 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	Model  Quicksilver Thunderbolt	8M8026240 — 8M8026240 — 8M8026260 — 8M8026300 — 8M8026300 — 8M8026340 — 8M8026340	### Front Pair   ####   ####   #####   ####   ####   ####   ####   ######
16 x 11 15 '/.x 13 15 '/.x 14 15 x 15 14 '/.x 16 14 '/.x 16 14 '/.x 18 14 x 19 13 '/.x 20 13 '/.x 20 13 '/.x 21 14 '/.x 17 14 '/.x 17 14 '/.x 19 14 '/.x 21 15 '/.x 15 15 '/.x 15 15 '/.x 17 15 '/.x 19 14 '/.x 21 14 '/.x 21 14 '/.x 21	3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 3 3 3 3 3	Q3 Q4 Q4 Q4 Q4 Thunderbolt Thunderbolt Thunderbolt Thunderbolt Torrent Torrent	8M0103516 8M0103517 8M0103518 8M0103518 8M0103520 8M0103521 8M0103522 8M0103523 8M0103524 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526 8M0103526		Volvo DPS Size 19 20 21 22.5 24 26 28 Volvo IPS 7	Blades 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3	Model  Quicksilver Thunderbolt  Quicksilver Thunderbolt	8M8026240	## Front Pair   ##   ##   ##   ##   ##   ##   ##

#### PROPELLER MATERIAL AND BLADE FACTS

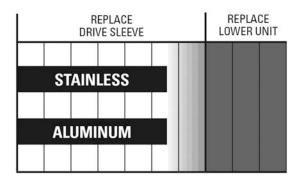
#### METAL OPTIONS

- · Mercury makes propellers out of aluminum and stainless steel.
- · Aluminum propellers are inexpensive and suitable for general purpose boating. Mercury uses Mercalloy aluminum that provides superior



- · Stainless steel is favored by boaters who are more conscious about performance and durability. Stainless propellers offer substantially better hole shot and top speed in comparison to an aluminum propeller. In terms of durability, stainless steel props will withstand impacts that would destroy an aluminum propeller. Over the long run, one stainless propeller will last as long as multiple aluminum propellers
- Mercury's legendary X7 stainless steel alloy provides incredible strength that allows propeller designs that would be impossible with other alloys. X7 is featured on Mercury's Enertia and Fury line of propellers.
- Many boaters have questions about whether or not a stainless steel propeller can cause lower unit damage in the event of hitting an underwater obstruction. With Mercury's Flo-Torq II hub system, the hub is designed to sacrifice its drive sleeve well below the failure threshold of modern drive units. This assures protection for your drive no matter what kind of propeller material you run.

#### PROPELLER SHAFT TORQUE AT UNDERWATER IMPACT



#### **BLADE CONFIGURATIONS**

- · For most boats, a three blade propeller provides a good blend of smoothness, acceleration, handling and top speed.
- Four-plus blade propellers typically provide the following advantages vs. three blade propellers:
  - o Plane the boat faster
  - o Keep the boat on plane at lower speed
  - o Less likely to ventilate in sharp turns
  - o Better holding power in rough conditions
- · In high-performance applications at high drive heights, a four blade propeller may be a better all around choice than a three blade, simply because you are getting more blade area in the water for better control, handling and bow lift.
- · Five blade propellers (like Mercury's HighFive propeller) provide superior rough water holding and strong acceleration for tow sports. However the HighFive does not reach the same top speeds as other three and four blade props in our line-up.



#### SPARE PROPELLERS

· It's always a good idea to keep a spare prop aboard for safety. One way to get the most use out of your spare is to buy a spare that is 2 inches lower in pitch than your regular prop, and use this prop as a water sports propeller. The improved tow sports performance will have a significant impact on your acceleration while pulling a tube, skier or wakeboarder. Remember to change back to your regular prop when it is time for normal usage.

> If you still have questions about what propeller is right for you, consult your local Mercury dealer.

Or visit our industry-leading prop selector at: MercuryMarine.com

# **FLO-TORQ HUB SYSTEM SELECTOR**

#### FLO-TORQ HUB SYSTEM SELECTOR

#### Selecting the Flo-Torq Hub System that is Right for You

Mercury Propellers has a complete lineup of Flo-Torq hub options to provide the best boating experience for you. Please read the below information regarding the various Flo-Torq options available.

#### • Flo-Torq II - Often imitated, never replicated

- o The Flo-Torq II is the world's first modular hub system for outboards a sterndrives
- The Flo-Torq II is field serviceable. Loosen the propeller nut, pull off the propeller and replace the drive sleeve. No need to miss time on the water waiting for rubber hub replacement work

#### • Flo-Torq Reflex - 75% Stronger than traditional rubber hubs

- The Flo-Torq Reflex's innovative design relies on the flexible Reflex fingers constructed of Noryl GTX.
   The fingers are designed to flex up to eight degrees, quieting rattle and vibration
- The Flo-Torq Reflex is field serviceable
- The Flo-Torq Reflex comes standard with all aluminum and stainless propellers within the 25-30 hp CT and 40-60 hp outboard applications

#### . Flo-Torq III and Flo-Torq IV - Rattle and vibration absorption in one

- o The Flo-Torq III and IV have a 2 piece engineered polymer sleeve
- The 2 pieces are coupled by titanium springs that allow the hub system flex, thus absorbing the root cause of clutch rattle when using a stainless steel propeller
- o The Flo-Torq III and IV are not required for use with aluminum propellers
- Refer to the quick reference chart below to understand applications where the Flo-Torq III and IV may be beneficial to you

#### Stainless steel propeller Flo-Torq hub application chart:

#### Engine Class / Gearcase Size

#### Flo-Torg Recommendation by pitch

25-30 hp CT and 40-60 hp Outboards / 3.25"	Flo-Torq Reflex		
40-60 hp CT and 75-115 hp Outboards / 4.25"	Flo-Torq III	Flo-Torq II	
90-115 hp CT and 150+ hp Outboards / 4.75"	Flo-Torq IV		Flo-Torq II
MerCruiser Alpha, Bravo I Drives / 4.75"	Flo-Torq II		

9 10 11 12 13 14 15 16 17 18 19 21 22 23 24 25 27 Propeller Pitch



Flo-Tora III / IV



Flo-Tora Reflex



#### MERCURY PROPELLER APPLICATION CHARTS

#### **MERCURY OUTBOARD APPLICATION CHARTS**

#### Mercury/Mariner Thruster Electric Fishing Motors

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model	Application
11	4	Plastic	2		N/A	Black Machete	MotorGuide
11	5	Plastic	2		N/A	Clear Machete	R33, RX33, T33, R45, RL45, RX45, T45
9 1/4	3	Plastic	2		N/A	Clear Machete	Direct Drive
10	3 1/2	Plastic	2	48-MAF12406T	N/A	Clear Machete	MotorGuide

#### Mercury/Mariner 2.5 - 3.5 Hp Outboard

2.5 and 3.3 Hp 2-Stroke

2.5 and 3.5 HP 4-Storke 2007 and Newer

Pin Drive

Shear Pin for Plastic 17-815111

Shear Pin for Aluminum 17-815111-1

Cotter Pin 18-95295

Diameter	Pitch	Material	Blades	RH Rotation	Model
7 3/8	6	Plastic	3	48-815083A01(1)	Black Max
7 3/8	7	Plastic	3	48-815083A02	Black Max

<sup>(1)</sup> Standard with 2.5 HP (2 and 4-Stroke), 3.5 HP 4-Stroke and 3.3 HP 2-Stroke (Non-Shift)

#### Mercury/Mariner 4 - 6 Hp Outboard

4-6 Hp (4-Stroke) 1999 & Newer 4 & 5 Hp (2-Stroke) 1987 & Newer 12 Tooth Spline Thrust Washer 16145 1 Aft Prop Washer 12-16146 Prop Nut 11-16147

Cotter Pin 18-815026

Diamete	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
7.8	8	Alum	3	N/A	48-812950A02(2)	Black Max
7.8	7	Alum	3	N/A	48-812949A02	Black Max
8.4	6	Alum	3	N/A	48-812951A02(1)	Black Max High Thrust Sail

<sup>(1)</sup> Standard with 4 HP & 4 HP Four Stroke

#### Mercury/Mariner 8/9.9 Hp (4-Stroke) Outboard

8/9.9 (4-Stroke) Model Year 2005 and newer

12 Tooth Spline

Standard Gearcase Only

Forward Thrust Washer (Std. gearcase) 803743002

Aft Washer (Std. gearcase) 12-16146

Prop Nut 11-16147

Flo-Torq I Round Rubber Hub 897453T

Cotter Pin 18-815026

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
8.7	5	Alum	4	N/A	48-812954A10	Std. Gearcase Black Max
8.9	6.5	Alum	3	N/A	48-897610A10	Std. Gearcase Black Max
8.9	7.5	Alum	3	N/A	48-897614A10(1)	Std. Gearcase Black Max
8.9	8.5	Alum	3	N/A	48-897618A10(2)	Std. Gearcase Black Max

<sup>(1)</sup> Standard with 8 Hp.

<sup>(2)</sup> Standard with 5 HP Four Stroke and 6 HP Four Stroke

<sup>(2)</sup> Standard with 9.9 Hp.

#### Mercury/Mariner 6 - 15 Hp Outboard

6 - 8 - 9.9 & 15 HP (2-Stroke) 9.9 (4-Stroke) 1995-2004 15 (4-Stroke) thru 2007 SeaPro/Marathon 10-15 HP

8 Tooth Spline

Flo-Torq I Round Rubber Hub = 827598T

Prop Nut Kit 11-13914A 2

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
9	10 1/2	Alum	3	N/A	48-828158A12	Black Max
9	9	Alum	3	N/A	48-828156A12(1)	Black Max
9	8	Alum	3	N/A	48-828154A12	Black Max
9 1/4	7	Alum	3	N/A	48- <b>828152A12</b>	Black Max
9 3/4	6 1/2	Alum	3	N/A	48- <b>828150A12</b>	Black Max

<sup>(1)</sup> Standard with 6 - 8 - 9.9 - 15 HP 2-Strokes and SeaPro/Marathon 10 - 15HP

#### Mercury/Mariner 9.9 - 25 Hp Outboard

9.9 & 15 (4-Stroke) Bigfoot 1999-2004 20 & 25 Hp (2-Stroke) Classic 1980-2006

SeaPro/Marathon 25 HP 10 Tooth Spline

Prop Nut 11-88228

Forward Thrust Washer 858498

Prop Nut 11-40119-12

Flo-Torq I Round Rubber Hub = 19669T Forward Thrust Washer 858498

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10 3/8	13	Alum	3	N/A	48- 19640A40(1)	Black Max
10 3/8	12	Alum	3	N/A	48- 19639A40	Black Max
10 3/8	11	Alum	3	N/A	48- 19638A40(3)	Black Max
10 3/8	9 1/2	Alum	3	N/A	48- 19636A10(2)	Black Max
10 3/8	13	SS	3	N/A	48- 19644A 5	Vengeance

<sup>(1)</sup> Standard with 20-25 HP

#### Mercury/Mariner 9.9 - 20 HP (4-Stroke) Outboards

9.9 HP Bigfoot/Command Thrust (CT) Model Year 2005 and newer

9.9HP Pro Kicker

15/20 HP 2008 and newer

14 Tooth Spline

Forward Thrust Washer 803743

Aft Washer 12-16140 2 Prop Nut 11-16147 1

Flo-Torq I Rubber Hub 8M0054769

Cotter Pin 18-815026 4

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10	7	Alum	4	N/A	48-812950A10	Black Max(1)
10	7	Alum	4	N/A	48-812948A10	Black Max(2)
9.5	8	Alum	3	N/A	48-897748A11	Black Max
9.25	9	Alum	3	N/A	48- <b>897750A11</b>	Black Max(3)
9.25	10	Alum	3	N/A	48- <b>897752A11</b>	Black Max(4)
9.25	11.5	Alum	3	N/A	48- <b>897754A11</b>	Black Max

<sup>(1)</sup> Standard with 9.9 Bigfoot / Command Thrust (CT)

<sup>(2)</sup> Standard with 9.9 & 15 HP Bigfoot Four Stroke (1999-2004)

<sup>(3)</sup> Standard with SeaPro/Marathon 25 HP

<sup>(2)</sup> Standard with 9.9 Pro Kicker. Painted Silver.

<sup>(3)</sup> Standard with 15 HP 4-Stroke

<sup>(4)</sup> Standard with 20 HP 4-Stroke

#### Mercury/Mariner 25/30 Hp (4-Stroke) Outboard

25/30 HP (4-Stroke) Model Year 2006 and newer 10 Tooth Spline Standard Gearcase Only Forward Thrust Washer 161452 Cotter Pin 18-815026 Aft Washer 12-16140-2 Flo-Torq I Rubber Hub 897001T Prop Nut 11-161471

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10	8	Alum	3	N/A	48- <b>896890A10</b>	Black Max
9.75	9 1/2	Alum	3	N/A	48- <b>896892A40</b>	Black Max
9.5	11	Alum	3	N/A	48- <b>896896A40</b>	Black Max
9.25	12 1/2	Alum	3	N/A	48- <b>896900A40</b>	Black Max
9.3	9.5	Alum	4	N/A	48- <b>8M8026650</b>	Spitfire
9.3	11	Alum	4	N/A	48- <b>8M8026655</b>	Spitfire
9.8	9.5	SS	3	N/A	48- <b>899818A05</b>	Vengeance
9.5	11	SS	3	N/A	48- <b>899820A05</b>	Vengeance

#### Mercury/Mariner 25 HP Bigfoot/Command Thrust -60 Hp Outboard

25 HP Bigfoot/Command Thrust (CT)(4-Stroke)

30 HP 2-Stroke

30 HP BigFoot/Command Thrust (CT) 2010 and Newer

30-40 HP SeaPro/Marathon

30 (4-Stroke) 1994-2005

40-60 Hp 2-Stroke and 4-Stroke (Not Bigfoot/CT) 1977 and Newer

Sea Pro/Marathon 55 Hp

13 Tooth Spline

Flo-Torq Reflex Hub Kit Included with propeller

Hub Kit Part Number: 835257Q12

Reflex Sleeve Part Number: 8M0047148

For older rubber hub propellers - use Mercury hardware kit 11-31990Q02. Purchase separately. Propeller hardware is not compatible between rubber hub propellers and Flo-Torq Reflex propellers.

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10	17	Alum	3	N/A	48- <b>73144A45</b>	Black Max
10	16	Alum	3	N/A	48- <b>73142A45</b>	Black Max
10 1/8	15	Alum	3	N/A	48- <b>73140A45</b>	Black Max
10 1/4	14	Alum	3	N/A	48- <b>73138A45</b>	Black Max
10 3/8	14	Alum	3	N/A	48-816706A45(1)	Black Max
10 1/2	13	Alum	3	N/A	48-816704A45(1)	Black Max
10 3/8	13	Alum	3	N/A	48- <b>73136A45</b>	Black Max
10 5/8	12	Alum	3	N/A	48- <b>73134A45</b>	Black Max
10 3/4	12	Alum	3	N/A	48-816702A45(1)	Black Max
10 7/8	11	Alum	3	N/A	48- <b>85632A45</b>	Black Max
12	10 1/2	Alum	3	N/A	48- <b>42740A45(1)</b>	Black Max
11 5/8	10 1/2	Alum	3	N/A	48- <b>827312A45</b>	Black Max
11 1/4	10	Alum	3	N/A	48- <b>73132A45</b>	Black Max
12 1/4	9	Alum	3	N/A	48- <b>87818A45</b>	Black Max
12 1/2	8	Alum	3	N/A	48- <b>42738A45(1)</b>	Black Max
12 1/2	8	Alum	3	N/A	48-42738CP1(1)(2)	Black Max XC
10.1	15	Alum	4	N/A	48- <b>8M8026640</b>	Spitfire
10.1	14	Alum	4	N/A	48- <b>8M8026635</b>	Spitfire
10.3	13	Alum	4	N/A	48- <b>8M8026630</b>	Spitfire
10.6	12	Alum	4	N/A	48- <b>8M8026625</b>	Spitfire
10.6	11	Alum	4	N/A	48- <b>8M8026620</b>	Spitfire
10 1/4	15	SS	3	N/A	48-855862A46	Vengeance
10 3/8	14	SS	3	N/A	48-855860A46	Vengeance

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
10 1/2	13	SS	3	N/A	48-855858A46	Vengeance
11	12	SS	3	N/A	48- <b>855856A46</b>	Vengeance
11 5/8	11	SS	3	N/A	48-823478A46	Vengeance
10 5/8	14	SS	4	N/A	48- <b>878616A46</b>	Trophy Sport
10 5/8	13	SS	4	N/A	48-878614A46	Trophy Sport
10 5/8	12	SS	4	N/A	48- <b>878612A46</b>	Trophy Sport

<sup>(1)</sup> Large Blade Area

#### Mercury/Mariner 40 Bigfoot/Command Thrust - 125 HP

40-60HP Bigfoot/Command Thrust (CT) All Years 75-125HP 1978 and newer 15 Tooth Spline

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
12 1/2	23	Alum	3	N/A	48- 77350A45	Black Max
12 3/4	21	Alum	3	N/A	48- <b>77348A45</b>	Black Max
13	19	Alum	3	N/A	48- <b>77346A45</b>	Black Max
13 1/4	17	Alum	3	N/A	48- <b>77344A45</b>	Black Max
13 1/4	16	Alum	3	N/A	48- <b>854360A45</b>	Black Max
13 3/4	15	Alum	3	N/A	48- <b>77342A45</b>	Black Max
13 7/8	14	Alum	3	N/A	48- <b>854352A45</b>	Black Max
14	13	Alum	3	N/A	48- <b>77340A45</b>	Black Max
14	13	Alum	3	N/A	48-8M0151358	Black Max XC(2)
14	11	Alum	3	N/A	48- <b>77338A45</b>	Black Max
14	11	Alum	3	N/A	48-8M0151356	Black Max XC(2)
14	10	Alum	3	N/A	48- <b>854342A45</b>	Black Max
14	10	Alum	3	N/A	48-8M0151354	Black Max XC(2)
14	9	Alum	3	N/A	48- <b>854340A45</b>	Black Max
13 3/4	15	Alum	3	N/A	48-8M0151359	Black Max(3)
14	13	Alum	3	N/A	48-8M0151357	Black Max(3)
14	11	Alum	3	N/A	48- <b>8M</b> 0151355	Black Max(3)
14	10	Alum	3	N/A	48-8M0151353	Black Max(3)
14	9	Alum	3	N/A	48-8M0151352	Black Max(3)
12.8	19	Alum	4	N/A	48-8M8026600	Spitfire
12.8	17	Alum	4	N/A	48-8M8026590	Spitfire
12.8	15	Alum	4	N/A	48-8M8026580	Spitfire
13.8	13	Alum	4	N/A	48-8M8026570	Spitfire Pontoon(2)
13.8	11	Alum	4	N/A	48-8M8026560	Spitfire Pontoon(2)
13.8	10	Alum	4	N/A	48-8M8026555	Spitfire Pontoon(2)
12.7	21	SS	4	N/A	48-8M0151364	Spitfire X7(1)
12.7	19	SS	4	N/A	48-8M0151363	Spitfire X7(1)
13.0	17	SS	4	N/A	48-8M0151362	Spitfire X7(1)
13.5	15	SS	4	N/A	48-8M0151361	Spitfire X7(1)
14.0	13	SS	4	N/A	48-8M0151360	Spitfire X7(1)
13	18	SS	3	N/A	48-8M0151402	Vengeance
13 1/8	16	SS	3	N/A	48-8M0151401	Vengeance
13 1/4	15	SS	3	N/A	48-8M0151400	Vengeance
13 3/8	14	SS	3	N/A	48-8M0151399	Vengeance
14	12	SS	3	N/A	48-8M0151398	Vengeance
14	10	SS	3	N/A	48-8M0151397	Vengeance
13 1/2	22	SS	3	N/A	48-8M0151297	Laser II(1)
13 1/4	19	SS	3	N/A	48-8M0151294	Laser II(1)
13 1/4	20	SS	3	N/A	48-8M0151295	Laser II(1)

<sup>(2)</sup> Extra Cup for superior performance and holding on pontoon boats

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
13 1/4	21	SS	3	N/A	48-8M0151296	Laser II(1)
13 3/4	26	SS	4	N/A	48-8M0151395	Trophy Plus(1)
13 3/4	25	SS	4	N/A	48-8M0151394	Trophy Plus(1)
13 3/4	24	SS	4	N/A	48-8M0151393	Trophy Plus(1)
13 3/4	23	SS	4	N/A	48-8M0151392	Trophy Plus(1)
13 3/4	21	SS	4	N/A	48-8M0151391	Trophy Plus(1)
13 3/4	19	SS	4	N/A	48-8M0151390	Trophy Plus(1)
13 3/4	17	SS	4	N/A	48- <b>8M0151389</b>	Trophy Plus(1)

<sup>(1)</sup> Performance Vent System

## Mercury/Mariner EFI, 90/115 HP Command Thrust, Optimax and Verado Outboards 135-350 HP

135-350HP 1978 and Newer and 90/115 CT 2014 and Newer

15 Tooth Spline

350 Verado requires Flo-Torq SSR HD hub kit 8M0101601

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
14	23	Alum	4	N/A	48-8M0084497	SpitFire
14	21	Alum	4	N/A	48-8M0084496	SpitFire
14	19	Alum	4	N/A	48-8M0084495	SpitFire
14	17	Alum	4	N/A	48-8M0084494	SpitFire
14	14	Alum	4	N/A	48-8M0084493	SpitFire CT(1)(4)
14	12	Alum	4	N/A	48-8M0084491	SpitFire CT(1)(4)
14	23	Alum	3	N/A	48-832834A45	Black Max
14 1/4	21	Alum	3	N/A	48-832832A45	Black Max
14 1/2	19	Alum	3	N/A	48-832830A45	Black Max
15 1/2	18	Alum	3	N/A	48- <b>11324A45</b>	Black Max
15	17	Alum	3	N/A	48- <b>832828A45</b>	Black Max
16	16	Alum	3	N/A	48- <b>16440A45</b>	Black Max
15 1/2	15	Alum	3	N/A	48- <b>78116A45</b>	Black Max
15 1/2	15	Alum	3	N/A	48- <b>78116CP1</b>	Black Max XC(4)
16	14	Alum	3	N/A	48- 16438A45	Black Max
16	14	Alum	3	N/A	48- <b>16438CP1</b>	Black Max XC(4)
16	13	Alum	3	N/A	48- <b>78114A45</b>	Black Max
16	13	Alum	3	N/A	48- <b>78114CP1</b>	Black Max XC(4)
16	12	Alum	3	N/A	48- <b>16436A45</b>	Black Max
16	12	Alum	3	N/A	48- <b>16436CP1</b>	Black Max XC(4)
16	11	Alum	3	N/A	48- <b>78112A45</b>	Black Max
16	11	Alum	3	N/A	78112CP1	Black Max XC(4)
13 3/4	21	SS	3	N/A	48-8M0151408	Vengeance
14	19	SS	3	48-8M0151406	48-8M0151407	Vengeance
14 1/2	17	SS	3	48-8M0151404	48-8M0151405	Vengeance
14 1/2	15	SS	3	N/A	48-8M0151403	Vengeance
13.5	22	SS	3	N/A	48-8M0151245	Enertia(2)
13.6	21	SS	3	48-8M0151242	48-8M0151243	Enertia(2)
13.8	20	SS	3	N/A	48-8M0151241	Enertia(2)
14	19	SS	3	48-8M0151238	48-8M0151239	Enertia(2)
14.2	18	SS	3	N/A	48-8M0151237	Enertia(2)
14.5	17	SS	3	48-8M0151234	48-8M0151235	Enertia(2)
14.7	16	SS	3	N/A	48-8M0151233	Enertia(2)
15.0	15	SS	3	48-8M0151230	48-8M0151231	Enertia(2)
15.3	14	SS	3	48-8M0151228	48-8M0151229	Enertia(2)
15.6	13	SS	3	48-8M0151226	48-8M0151227	Enertia(2)
16.0	11	SS	3	48-8M0151224	48-8M0151225	Enertia(2)

<sup>(2)</sup> For Superior Performance and Holding on Pontoon Boats.

<sup>(3)</sup> For 40-60hp Bigfoot/Command Thrust (CT) only (Max 60 HP).

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
16.0	23	SS	3	48-8M0151262	48-8M0151263	Enertia ECO(2)
16.0	22	SS	3	48-8M0151260	48-8M0151261	Enertia ECO(2)
16.0	21	SS	3	48-8M0151258	48-8M0151259	Enertia ECO(2)
16.0	20	SS	3	48-8M0151256	48-8M0151257	Enertia ECO(2)
16.0	19	SS	3	48-8M0151254	48-8M0151255	Enertia ECO(2)
16.0	18	SS	3	48-8M0151252	48-8M0151253	Enertia ECO(2)
16.0	17	SS	3	48-8M0151250	48-8M0151251	Enertia ECO(2)
16.0	23	SS	3	48-8M0127052	48-8M0127053	Enertia ECO w/ FT SSR HD
16.0	22	SS	3	48-8M0127050	48-8M0127051	Enertia ECO w/ FT SSR HD
16.0	21	SS	3	48-8M0127048	48-8M0127049	Enertia ECO w/ FT SSR HD
16.0	20	SS	3	48-8M0127046	48-8M0127047	Enertia ECO w/ FT SSR HD
16.0	19	SS	3	48-8M0127044	48-8M0127045	Enertia ECO w/ FT SSR HD
16.0	18	SS	3	48-8M0127042	48-8M0127043	Enertia ECO w/ FT SSR HD
16.0	17	SS	3	48-8M0127040	48-8M0127041	Enertia ECO w/ FT SSR HD
14 3/8	27	SS	3	48- <b>18281A46</b>	48- <b>18280A46</b>	Mirage Plus(2)(3)
14 1/2	25	SS	3	N/A	48- 13706A46	Mirage Plus(2)(3)
14 5/8	23	SS	3	48- <b>8</b> M0151311	48-8M0151312	Mirage Plus(2)(3)
14 3/4	21	SS	3	48-8M0151309	48-8M0151310	Mirage Plus(2)(3)
15 1/4	19	SS	3	48-8M0151307	48-8M0151308	Mirage Plus(2)(3)
15 3/8	18	SS	3	48-889619A46	48-889620A46	Mirage Plus(2)(3)
15 1/2	17	SS	3	48-8M0151303	48-8M0151304	Mirage Plus(2)(3)
15 3/4	15	SS	3	48-8M0151301	48-8M0151302	Mirage Plus(2)(3)
16	13	SS	3	N/A	48-8M0151300	Mirage Plus(2)(3)
14	27	SS	3	N/A	48-8M0151275	Fury(2)
14	26	SS	3	N/A	48-8M0151274	Fury(2)
14	25	SS	3	N/A	48-8M0151273	Fury(2)
14	24	SS	3	N/A	48-8M0151272	
14	23	SS	3	N/A	48-8M0151271	Fury(2)
14	26	SS	3	N/A	48-8M0125098	Fury(2)
14	25	SS	3	N/A	48-8M0125097	Fury w/ FT SSR HD
14	24	SS	3	N/A N/A	48-8M0125097	Fury w/ FT SSR HD
14	23	SS	3	N/A	48-8M0125095	Fury w/ FT SSR HD
14.5	26	SS		N/A N/A		Fury w/ FT SSR HD
		SS	4		48-8M0151281	Fury 4(2)
14.5	25		4	N/A	48-8M0151280	Fury 4(2)
14.5	24	SS	4	N/A	48-8M0151279	Fury 4(2)
14.5	26	SS	4	N/A	48-8M0125102	Fury 4 w/ FT SSR HD
14.5	25	SS SS		N/A N/A	48-8M0125101	Fury 4 w/ FT SSR HD
14.5 14 5/8	24	SS	4	N/A	48-8M0125100	Fury 4 w/ FT SSR HD
	27		3		48-8M0151388	Tempest Plus(2)(3)
14 5/8	26	SS	3	N/A	48-8M0151387	Tempest Plus(2)(3)
14 5/8	25	SS	3	N/A	48-8M0151386	Tempest Plus(2)(3)
14 5/8	24	SS SS	3	N/A N/A	48-8M0151385	Tempest Plus(2)(3)
14 5/8	23				48-8M0151384	Tempest Plus(2)(3)
14 5/8	22	SS	3	N/A	48-8M0151383	Tempest Plus(2)(3)
14 5/8	21	SS SS	3	N/A	48-8M0151382	Tempest Plus(2)(3)
14 5/8	19	SS	3	N/A	48-8M0151381	Tempest Plus(2)(3)
14 5/8	17	SS SS	3	N/A	48-8M0151380	Tempest Plus(2)(3)
13 3/4	26	SS	4	N/A	48-8M0151395	Trophy Plus (SM)(2)
13 3/4	25	SS	4	N/A	48-8M0151394	Trophy Plus (SM)(2)
13 3/4	24	SS	4	N/A	48-8M0151393	Trophy Plus (SM)(2)
13 3/4	23	SS	4	N/A	48-8M0151392	Trophy Plus (SM)(2)
13 3/4	21	SS	4	N/A	48- <b>8M</b> 0151391	Trophy Plus (SM)(2)
13 3/4	19	SS	4	N/A	48-8M0151390	Trophy Plus (SM)(2)
13 3/4	17	SS	4	N/A	48-8M0151389	Trophy Plus (SM)(2)

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
13 1/4	23	SS	5	N/A	48-815762A46	HighFive(2)
13 1/4	21	SS	5	N/A	48-8M0151292	HighFive(2)
13 1/4	19	SS	5	N/A	48-8M0151291	HighFive(2)
13 1/2	17	SS	5	N/A	48-8M0151290	HighFive(2)
14 5/8	25	SS	4	48-8M0151328	48-8M0151329	Revolution 4(2)
14 5/8	23	SS	4	48-8M0151326	48-8M0151327	Revolution 4(2)
14 5/8	21	SS	4	48-8M0151324	48-8M0151325	Revolution 4(2)
14 5/8	20	SS	4	48-8M0151322	48-8M0151323	Revolution 4(2)
14 5/8	19	SS	4	48-8M0151320	48-8M0151321	Revolution 4(2)
14 5/8	18	SS	4	48-8M0151318	48-8M0151319	Revolution 4(2)
14 5/8	17	SS	4	48-8M0151316	48-8M0151317	Revolution 4(2)
14 5/8	15	SS	4	48-8M0151314	48-8M0151315	Revolution 4(2)
14 5/8	25	SS	4	48-8M0127038	48-8M0127039	Revolution 4 w/ FT SSR HD
-14 5/8	23	SS	4	48-8M0127036	48-8M0127037	Revolution 4 w/ FT SSR HD
14 5/8	21	SS	4	48-8M0127034	48- <b>8M0127035</b>	Revolution 4 w/ FT SSR HD
14 5/8	20	SS	4	48-8M0127032	48-8M0127033	Revolution 4 w/ FT SSR HD
14 5/8	19	SS	4	48-8M0127030	48-8M0127031	Revolution 4 w/ FT SSR HD
14 5/8	18	SS	4	48-8M0137925	48-8M0137924	Revolution 4 w/ FT SSR HD
14 5/8	17	SS	4	48-8M0127028	48-8M0127029	Revolution 4 w/ FT SSR HD
14 5/8	15	SS	4	48-8M0127026	48-8M0127027	Revolution 4 w/ FT SSR HD
15 3/4	36	SS	4	48- <b>832123A55</b>	48- <b>832124A55</b>	Bravo I(3)
15 3/4	34	SS	4	48- <b>832121A55</b>	48- <b>832122A55</b>	Bravo I(3)
15 3/4	32	SS	4	48-8M0151220	48-8M0151221	Bravo I(3)
15 3/4	30	SS	4	48-8M0151218	48-8M0151219	Bravo I(3)
15 3/4	28	SS	4	48-8M0151216	48-8M0151217	Bravo I(3)
15 3/4	26	SS	4	48-8M0151214	48-8M0151215	Bravo I(3)
15 3/4	24	SS	4	48-8M0151212	48-8M0151213	Bravo I(3)
15 3/4	22	SS	4	48-8M0151210	48-8M0151211	Bravo I(3)

<sup>(1)</sup> Recommended for 90/115 Hp Command Thrust outboards for Tri/Pontoons

# MERCURY MERCRUISER APPLICATION CHARTS

### Mercury MerCruiser Alpha & Bravo One

Alpha and Bravo One Sterndrives - All Horsepowers

15 Tooth Spline

For 400HP + Use Flo-Torq solid hub assembly. Replace A46 with A55 or order hub kit part number 835258K2

For Bravo One XR and XZ drives, Use Flo-Torq 1 1/4" hub assembly. Replace A46 with A65 or order hub kit part number 840389K06.

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
14	12	Alum	4	N/A	48-8M0084491	SpitFire CT
14	14	Alum	4	N/A	48- <b>8M0084493</b>	SpitFire CT
14	17	Alum	4	N/A	48- <b>8M0084494</b>	SpitFire
14	19	Alum	4	N/A	48- <b>8M0084495</b>	SpitFire
14	21	Alum	4	N/A	48- <b>8M0084496</b>	SpitFire
14	23	Alum	4	N/A	48- <b>8M0084497</b>	SpitFire
14	23	Alum	3	N/A	48- <b>832834A45</b>	Black Max
14 1/4	21	Alum	3	N/A	48- <b>832832A45</b>	Black Max
14 1/2	19	Alum	3	N/A	48-832830A45	Black Max
15 1/2	18	Alum	3	N/A	48- <b>11324A45</b>	Black Max
15	17	Alum	3	N/A	48- <b>832828A45</b>	Black Max

<sup>(2)</sup> Performance Vent System

<sup>(3)</sup> Comes standard with Flo-Torq hub for 1" shaft. For Outboards with 1 1/4" shafts, order 8M0101601

 $<sup>\</sup>begin{tabular}{ll} \end{tabular} \begin{tabular}{ll} \end{tabular} \beg$ 

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
16	16	Alum	3	N/A	48- 16440A45	Black Max
15 1/4	15	Alum	3	N/A	48- <b>78116A45</b>	Black Max
15 1/4	15	Alum	3	N/A	48- <b>78116CP1</b>	Black Max XC(3)
16	14	Alum	3	N/A	48- <b>16438A45</b>	Black Max
16	14	Alum	3	N/A	48- 16438CP1	Black Max XC(3)
16	13	Alum	3	N/A	48- <b>78114A45</b>	Black Max
16	13	Alum	3	N/A	48- <b>78114CP1</b>	Black Max XC(3)
16	12	Alum	3	N/A	48- <b>16436A45</b>	Black Max
16	12	Alum	3	N/A	48- 16436CP1	Black Max XC(3)
16	11	Alum	3	N/A	48- <b>78112A45</b>	Black Max
16	11	Alum	3	N/A	78112CP1	Black Max XC(3)
13.5	22	SS	3	N/A	48-8M0151245	Enertia(1)
13.6	21	SS	3	48-8M0151242	48-8M0151243	Enertia(1)
13.8	20	SS	3	N/A	48- <b>8M</b> 0151241	Enertia(1)
14.0	19	SS	3	48-8M0151238	48-8M0151239	Enertia(1)
14.2	18	SS	3	N/A	48-8M0151237	Enertia(1)
14.5	17	SS	3	48-8M0151234	48-8M0151235	Enertia(1)
14.7	16	SS	3	N/A	48-8M0151233	Enertia(1)
15.0	15	SS	3	48-8M0151230	48-8M0151231	Enertia(1)
15.3	14	SS	3	48-8M0151228	48-8M0151229	Enertia(1)
15.6	13	SS	3	48-8M0151226	48-8M0151227	Enertia(1)
16.0	11	SS	3	48-8M0151224	48-8M0151225	Enertia(1)
13 3/4	21	SS	3	N/A	48-8M0151408	Vengeance
14	19	SS	3	48-8M0151406	48-8M0151407	Vengeance
14 1/2	17	SS	3	48-8M0151404	48-8M0151405	Vengeance
14 1/2	15	SS	3	N/A	48-8M0151403	Vengeance
13 1/4	23	SS	5	N/A	48-815762A46	HighFive(1)
13 1/4	21	SS	5	N/A	48-8M0151292	HighFive(1)
13 1/4	19	SS	5	N/A	48-8M0151291	HighFive(1)
13 1/2	17	SS	5	N/A	48-8M0151290	HighFive(1)
15 1/4	36	SS	4	48-832123A55	48- <b>832124A55</b>	Bravo I(2)
15 1/4	34	SS	4	48- <b>832121A55</b>	48- <b>832122A55</b>	Bravo I(2)
15 1/4	32	SS	4	48-8M0151220	48-8M0151221	Bravo I(2)
15 1/4	30	SS	4	48-8M0151218	48-8M0151219	Bravo I(2)
15 1/4	28	SS	4	48-8M0151216	48-8M0151217	Bravo I(2)
15 1/4	26	SS	4	48-8M0151214	48-8M0151215	Bravo I(2)
15 1/4	24	SS	4	48-8M0151212	48-8M0151213	Bravo I(2)
15 1/4	22	SS	4	48-8M0151210	48-8M0151211	Bravo I(2)
16	17	SS	3	48-8M0151250	48-8M0151251	Enertia ECO(1)
16	18	SS	3	48-8M0151252	48-8M0151253	Enertia ECO(1)
16	19	SS	3	48-8M0151254	48- <b>8M</b> 0151255	Enertia ECO(1)
16	20	SS	3	48-8M0151256	48-8M0151257	Enertia ECO(1)
16	21	SS	3	48-8M0151258	48-8M0151259	Enertia ECO(1)
16	22	SS	3	48-8M0151260	48-8M0151261	Enertia ECO(1)
16	23	SS	3	48-8M0151262	48-8M0151263	Enertia ECO(1)
14 3/8	27	SS	3	48- 18281A46	48- 18280A46	Mirage Plus(1)
14 1/2	25	SS	3	N/A	48- 13706A46	Mirage Plus(1)
14 5/8	23	SS	3	48-8M0151311	48-8M0151312	Mirage Plus(1)
14 3/4	21	SS	3	48-8M0151309	48-8M0151310	Mirage Plus(1)
15 1/4	19	SS	3	48-8M0151307	48-8M0151308	Mirage Plus(1)
15 3/8	18	SS	3	48-889619A46	48-889620A46	Mirage Plus(1)
15 1/2	17	SS	3	48-8M0151303	48-8M0151304	Mirage Plus(1)
15 3/4	15	SS	3	48-8M0151301	48-8M0151302	Mirage Plus(1)
16	13	SS	3	N/A	48-8M0151300	Mirage Plus(1)
	<u> </u>			<u> </u>		-5(-/

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
14 5/8	25	SS	4	48-8M0151328	48-8M0151329	Revolution 4(1)(2)
14 5/8	23	SS	4	48-8M0151326	48-8M0151327	Revolution 4(1)(2)
14 5/8	20	SS	4	48-8M0151322	48-8M0151323	Revolution 4(1)(2)
14 5/8	21	SS	4	48-8M0151324	48-8M0151325	Revolution 4(1)(2)
14 5/8	19	SS	4	48-8M0151320	48-8M0151321	Revolution 4(1)(2)
14 5/8	18	SS	4	48-8M0151318	48-8M0151319	Revolution 4(1)(2)
14 5/8	17	SS	4	48-8M0151316	48-8M0151317	Revolution 4(1)(2)
14 5/8	15	SS	4	48-8M0151314	48-8M0151315	Revolution 4(1)(2)
15 5/8	34	SS	5	48-889973A65	48- <b>889972A65</b>	Maximus (1)(2)
15 5/8	32	SS	5	48-889971A65	48- <b>889970A65</b>	Maximus(1)(2)
15 5/8	30	SS	5	48-889969A65	48- <b>889968A65</b>	Maximus(1)(2)
15 5/8	28	SS	5	48-889967A65	48- <b>889966A65</b>	Maximus(1)(2)
15 5/8	26	SS	5	48-889965A65	48-889964A65	Maximus(1)(2)
15 5/8	24	SS	5	48-889975A65	48- <b>889974A65</b>	Maximus(1)(2)

- (1) Performance Vent System
- (2) Recommended for Bravo One Drives only
- (3) Provides Superior Holding and Performance for Pontoon Boats

## **Mercury MerCruiser Bravo Two**

All engines

Bravo Two Propeller Hardware (not included with propeller):

Forward Cupped Washer 12-55072

Tab Washer 14-34817

Flo-Torq I Round Rubber Hub 43636T

Aft Cupped Washer 12-54738

Prop Nut 11-54034

Forward Thrust Washer 55074T

Aft Washer 12-55073A 2

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
17 1/4	25	Alum	3	48-8M0078093	48-8M0078092	Bravo Two
17 1/2	23	Alum	3	48- <b>18619A40</b>	48- <b>18618A40</b>	Bravo Two
17 3/4	21	Alum	3	48- <b>18617A40</b>	48- <b>18616A40</b>	Bravo Two
18 1/4	19	Alum	3	48- <b>18615A40</b>	48- <b>18614A40</b>	Bravo Two
18 3/4	17	Alum	3	48-8M0155029	48-8M0155030	Bravo Two
19 1/4	15	Alum	3	48-8M0155027	48-8M0155028	Bravo Two
19 1/2	13	Alum	3	48-8M0155025	48-8M0155026	Bravo Two
20	11	Alum	3	48-8M0155023	48-8M0155024	Bravo Two
17 1/4	25	SS	3	48- <b>18621A</b> 6	48- <b>18620A</b> 6	Bravo Two
17 1/2	23	SS	3	48- <b>18619A</b> 6	48- <b>18618A</b> 6	Bravo Two
19 1/2	22 1/2	SS	3	N/A	48-897550A06(1)	Bravo Two
17 3/4	21	SS	3	48- <b>18617A</b> 6	48- <b>18616A</b> 6	Bravo Two
18 1/4	19	SS	3	48- <b>18615A</b> 6	48- 18614A 6	Bravo Two
18 3/4	17	SS	3	48- <b>18613A</b> 6	48- <b>18612A</b> 6	Bravo Two
19 1/4	15	SS	3	48- <b>18611A</b> 6	48- <b>18610A 6</b>	Bravo Two
19 1/2	13	SS	3	48- <b>18609A</b> 6	48- <b>18608A</b> 6	Bravo Two
20	11	SS	3	48- <b>18607A</b> 6	48- <b>18606A</b> 6	Bravo Two

<sup>(1)</sup> Recommended for single diesel applications

#### Mercury MerCruiser Bravo Three

4 blade front 3 blade rear propellers

New for 2013 Bravo Three Diesel Propellers

If boat is propped correctly with original Bravo Three propellers drop down one inch of pitch to maintain engine RPM with Bravo Three Diesel propellers. All Engines

Bravo Three Propeller Hardware (not included with propellers):

Forward Thrust Washer 805101T

Aft Thrust Washer 805100

Forward Prop Nut 859131

Aft Prop Nut 862907

Bravo Three Inner Prop Nut Wrench 805457T 1

Pitch	Material	Finish	Blades (Front & Rear)	LH Rotation Front Prop	RH Rotation Rear Prop	Model
28	SS	Matte	4 & 3	48-8M8022460	48-8M8022470	Bravo Three
26	SS	Matte	4 & 3	48- <b>8M8022440</b>	48- <b>8M8022450</b>	Bravo Three
24	SS	Matte	4 & 3	48-8M8022420	48-8M8022430	Bravo Three
22.5	SS	Matte	4 & 3	48-8M8022400	48-8M8022410	Bravo Three
21	SS	Matte	4 & 3	48-8M8022380	48-8M8022390	Bravo Three
20	SS	Matte	4 & 3	48-8M8022360	48-8M8022370	Bravo Three
19	SS	Matte	4 & 3	48-8M8022340	48-8M8022350	Bravo Three
28	SS	Hi-Luster	4 & 3	48-8M8022469	48-8M8022479	Bravo Three
26	SS	Hi-Luster	4 & 3	48-8M8022449	48-8M8022459	Bravo Three
24	SS	Hi-Luster	4 & 3	48-8M8022429	48-8M8022439	Bravo Three
22.5	SS	Hi-Luster	4 & 3	48-8M8022409	48-8M8022419	Bravo Three
21	SS	Hi-Luster	4 & 3	48-8M8022389	48-8M8022399	Bravo Three
20	SS	Hi-Luster	4 & 3	48- <b>8M8022369</b>	48-8M8022379	Bravo Three
19	SS	Hi-Luster	4 & 3	48-8M8022349	48-8M8022359	Bravo Three
27	SS	Matte	4 & 3	48-8M0074871	48- <b>8M0074872</b>	Bravo Three Diesel
25	SS	Matte	4 & 3	48-8M0074869	48-8M0074870	Bravo Three Diesel
23	SS	Matte	4 & 3	48-8M0074867	48- <b>8M0074868</b>	Bravo Three Diesel
21	SS	Matte	4 & 3	48-8M0074865	48-8M0074866	Bravo Three Diesel

## MERCURY ZEUS APPLICATION CHARTS



## Zeus 3500 M-Series and Z-Series Propeller Chart

			Drive Speed (Knots)	21.7	22.6	23.5	24.3	25.2	26.1	26.9	27.8	28.7	29.5	30.4	31.3	32.2	33.0	33.9	34.8	35.6	36.5	37.4	38.2	39.1	40.0
Zeus 3500	RPM Range	Overall Ratio	Drive Speed (MPH)	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
355 hp	2800-2850	2.059:1	Z Series				9	10	11	12	13	14	15	16	17	18	19								
355 hp	2800-2850	2.244:1	M Series	5/6	6/7	7	8	9	10	11	12	12/13	13/14	14											
380 hp	3000- 3050	2.059:1	Z Series					8	9	10	11	12	13	14	15	16	17	18	19						
380 hp	3000- 3050	2.244:1	M Series	4	4/5	5/6	6/7	7	8	9	10	11	12	12/13	13/14	14									
425 hp	3000- 3050	2.059:1	Z Series								11	12	13	14	15	16	17	18	19						
425 hp	3000-3050	2.059:1	M Series			4	4/5	5	6	7	7/8	8	9	10	11	11/12	12	13	14						

			Drive Speed (Knots)	21.7	22.6	23.5	24.3	25.2	26.1	26.9	27.8	28.7	29.5	30.4	31.3	32.2	33.0	33.9	34.8	35.6	36.5	37.4	38.2	39.1	40.0
Zeus 3500	RPM Range	Overall Ratio	Drive Speed (MPH)	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
425 hp	3000-3050	2.244:1	M Series	4	4/5	5/6	6/7	7	8	9	10	11	12	12/13	13/14	14									
480 hp	3400- 3450	2.059:1	Z Series									6	7	8	9	10	11	12	13	14	15	16	17	18	19
480 hp	3400- 3450	2.059:1	M Series								4	4/5	5	6	7	7/8	8	9	9/10	10/11	11	12	12/13	13	14
480 hp	3400- 3450	2.244:1	M Series				4	5	6	7	8	8/9	9	10	11	12	12/13	13	14						

### Zeus 3800 M-Series Propeller Chart

			Drive Speed (Knots)	24.3	25.2	26.1	26.9	27.8	28.7	29.5	30.4	31.3	32.2	33.0	33.9	34.8	35.6	36.5	37.4	38.2	39.1	40.0	40.8	41.7	42.6
Zeus 3800	RPM	Overall Ratio	Drive Speed (MPH)	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
550	3000-3050	1.795:1	M Series					4	4/5	5	6	7	7/8	8	9	9/10	10/1 1	11	12	12/13	13	14			
550	3000-3050	1.957:1	M Series	4	5	6	7	8	8/9	9	10	11	12	12/1 3	13	14									
600	3000-3050	1.795:1	M Series					4	4/5	5	6	7	7/8	8	9	9/10	10/1 1	11	12	12/13	13	14			
600	3000-3050	1.957:1	M Series			6	7	8	8/9	9	10	11	12	12/1 3	13	14									
715	2500-2550	1.337:1	M Series										4	5	5/6	6	6/7	7	8	8/9	9	10	10/1 1	11	12

# **NON-MERCURY ENGINE APPLICATION CHARTS**

### Non-Mercury Outboard (4-1/4 In. Gearcase)

Non-Mercury Outboard (4-1/4 In. Gearcase)

Suzuki/Johnson 90-115HP 4-stroke 2001-2008 - use hub kit 835283Q1

Suzuki/Johnson 100-115 4-Stroke 2009 and newer 140HP 4-stroke - use hub kit 835283Q2

Suzuki 70-90 HP 4-stroke 2009 and newer - use hub kit 835283Q03

Honda 75-90HP 1998 and older - use hub kit 835277Q1

Honda 75-90HP 1999 and newer, 115-130HP - use hub kit 835279Q2

Yamaha 50-100 HP - use hub kit 835272Q 1 Yamaha 115-130 HP - use hub kit 835271Q 2

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
12 1/2	23	Alum	3	N/A	48- 77350A45	Black Max
12 3/4	21	Alum	3	N/A	48- <b>77348A45</b>	Black Max
13	19	Alum	3	N/A	48- <b>77346A45</b>	Black Max
13 1/4	17	Alum	3	N/A	48- <b>77344A45</b>	Black Max
13 1/4	16	Alum	3	N/A	48- <b>854360A45</b>	Black Max
13 3/4	15	Alum	3	N/A	48- <b>77342A45</b>	Black Max
13 7/8	14	Alum	3	N/A	48- <b>854352A45</b>	Black Max
14	13	Alum	3	N/A	48- <b>77340A45</b>	Black Max
14	13	Alum	3	N/A	48-8M0151358	Black Max XC(2)
14	11	Alum	3	N/A	48- <b>77338A45</b>	Black Max
14	11	Alum	3	N/A	48-8M0151356	Black Max XC(2)
14	10	Alum	3	N/A	48- <b>854342A45</b>	Black Max
14	10	Alum	3	N/A	48-8M0151354	Black Max XC(2)
14	9	Alum	3	N/A	48-854340A45	Black Max
13 3/4	15	Alum	3	N/A	48-8M0151359	Black Max(3)
14	13	Alum	3	N/A	48-8M0151357	Black Max(3)
14	11	Alum	3	N/A	48- <b>8M0151355</b>	Black Max(3)
14	10	Alum	3	N/A	48-8M0151353	Black Max(3)
14	9	Alum	3	N/A	48-8M0151352	Black Max(3)

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
12.8	19	Alum	4	N/A	48-8M8026600	Spitfire
12.8	17	Alum	4	N/A	48-8M8026590	Spitfire
12.8	15	Alum	4	N/A	48-8M8026580	Spitfire
13.8	13	Alum	4	N/A	48-8M8026570	Spitfire Pontoon(2)
13.8	11	Alum	4	N/A	48-8M8026560	Spitfire Pontoon(2)
13.8	10	Alum	4	N/A	48-8M8026555	Spitfire Pontoon(2)
12.7	21	SS	4	N/A	48-8M0151364	Spitfire X7(1)
12.7	19	SS	4	N/A	48-8M0151363	Spitfire X7(1)
13.0	17	SS	4	N/A	48-8M0151362	Spitfire X7(1)
13.5	15	SS	4	N/A	48-8M0151361	Spitfire X7(1)
14.0	13	SS	4	N/A	48-8M0151360	Spitfire X7(1)
13	18	SS	3	N/A	48-8M0151402	Vengeance
13 1/8	16	SS	3	N/A	48-8M0151401	Vengeance
13 1/4	15	SS	3	N/A	48-8M0151400	Vengeance
13 3/8	14	SS	3	N/A	48-8M0151399	Vengeance
14	12	SS	3	N/A	48-8M0151398	Vengeance
14	10	SS	3	N/A	48-8M0151397	Vengeance
13 3/4	26	SS	4	N/A	48-8M0151395	Trophy Plus(1)
13 3/4	25	SS	4	N/A	48-8M0151394	Trophy Plus(1)
13 3/4	24	SS	4	N/A	48-8M0151393	Trophy Plus(1)
13 3/4	23	SS	4	N/A	48-8M0151392	Trophy Plus(1)
13 3/4	21	SS	4	N/A	48-8M0151391	Trophy Plus(1)
13 3/4	19	SS	4	N/A	48-8M0151390	Trophy Plus(1)
13 3/4	17	SS	4	N/A	48-8M0151389	Trophy Plus(1)

<sup>(1)</sup> Performance Vent System

### Non-Mercury Outboard/Sterndrive,4-3/4 In. Gearcase

Non-Mercury Outboards & Sterndrives (4-3/4 In. Gearcase) Evinrude/Johnson/OMC 1991 and newer - use hub kit 835265Q02 Evinrude/Johnson/OMC 1990 and older - use hub kit 835267Q1 Evinrude ETEC G2 2015 and Newer - use hub kit 8M0107220

Honda 135-225HP - use hub kit 835278Q1 Suzuki 150-300HP - use hub kit 835281Q1

Yamaha 150-300HP including SHO 2015 and newer - use hub kit 835274Q1 Yamaha 200-250HP SHO 2014 and older - use hub kit 8M0075402

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
14	12	Alum	4	N/A	48-8M0084491	SpitFire
14	14	Alum	4	N/A	48-8M0084493	SpitFire
14	17	Alum	4	N/A	48-8M0084494	SpitFire
14	19	Alum	4	N/A	48-8M0084495	SpitFire
14	21	Alum	4	N/A	48-8M0084496	SpitFire
14	23	Alum	4	N/A	48-8M0084497	SpitFire
14	23	Alum	3	N/A	48-832834A45	Black Max
14.25	21	Alum	3	N/A	48-832832A45	Black Max
14.5	19	Alum	3	N/A	48-832830A45	Black Max
15.5	18	Alum	3	N/A	48- <b>11324A45</b>	Black Max
15	17	Alum	3	N/A	48-832828A45	Black Max
16	16	Alum	3	N/A	48- <b>16440A45</b>	Black Max
15.25	15	Alum	3	N/A	48- <b>78116A45</b>	Black Max
15.25	15	Alum	3	N/A	48- 78116CP1	Black Max XC
16	14	Alum	3	N/A	48- 16438A45	Black Max
16	14	Alum	3	N/A	48- 16438CP1	Black Max XC
16	13	Alum	3	N/A	48- <b>78114A45</b>	Black Max

<sup>(2)</sup> For Superior Performance and Holding on Pontoon Boats.

<sup>(3)</sup> For 40-60hp only (Max 60 HP).

Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
16	13	Alum	3	N/A	48- 78114CP1	Black Max XC
16	12	Alum	3	N/A	48- 16436A45	Black Max
16	12	Alum	3	N/A	48- 16436CP1	Black Max XC
16	11	Alum	3	N/A	48- <b>78112A45</b>	Black Max
13.75	21	SS	3	N/A	48-8M0151408	Vengeance
14	19	SS	3	48- <b>8</b> M0151406	48-8M0151407	Vengeance
14.5	17	SS	3	48- <b>8M</b> 0151404	48- <b>8M</b> 0151405	Vengeance
14.5	15	SS	3	N/A	48-8M0151403	Vengeance
13.5	22	SS	3	N/A	48- <b>8M</b> 0151245	Enertia
13.6	21	SS	3	48-8M0151242	48-8M0151243	Enertia
13.8	20	SS	3	N/A	48-8M0151241	Enertia
14.0	19	SS	3	48-8M0151238	48-8M0151239	Enertia
14.2	18	SS	3	N/A	48-8M0151237	Enertia
14.5	17	SS	3	48-8M0151234	48- <b>8M</b> 0151235	Enertia
14.7	16	SS	3	N/A	48-8M0151233	Enertia
15	15	SS	3	48-8M0151230	48-8M0151231	Enertia
15.3	14	SS	3	48-8M0151228	48-8M0151229	Enertia
15.6	13	SS	3	48-8M0151226	48-8M0151227	Enertia
16.0	11	SS	3	48-8M0151224	48-8M0151225	Enertia
16	17	SS	3	48-8M0151250	48-8M0151251	Enertia ECO
16	18	SS	3	48-8M0151252	48-8M0151253	Enertia ECO
16	19	SS	3	48-8M0151254	48-8M0151255	Enertia ECO
16	20	SS	3	48-8M0151256	48- <b>8M</b> 0151257	Enertia ECO
16	21	SS	3	48-8M0151258	48- <b>8M</b> 0151259	Enertia ECO
16	22	SS	3	48-8M0151260	48-8M0151261	Enertia ECO
16	23	SS	3	48-8M0151262	48-8M0151263	Enertia ECO
14.375	27	SS	3	48- 18281A46	48- <b>18280A46</b>	Mirage Plus
14.5	25	SS	3	N/A	48- 13706A46	Mirage Plus
14.625	23	SS	3	48- <b>8M</b> 0151311	48-8M0151312	Mirage Plus
14.75	21	SS	3	48-8M0151309	48-8M0151310	Mirage Plus
15.25	19	SS	3	48- <b>8</b> M0151307	48- <b>8M</b> 0151308	Mirage Plus
15.375	18	SS	3	48-889619A46	48-889620A46	Mirage Plus
15.5	17	SS	3	48-8M0151303	48-8M0151304	Mirage Plus
15.75	15	SS	3	48-8M0151301	48-8M0151302	Mirage Plus
16	13	SS	3	N/A	48-8M0151300	Mirage Plus
14	23	SS	3	N/A	48-8M0151271	Fury
14	24	SS	3	N/A	48-8M0151272	Fury
14	25	SS	3	N/A	48-8M0151273	Fury
14	26	SS	3	N/A	48-8M0151274	Fury
14	27	SS	3	N/A	48-8M0151275	Fury
14.5	24	SS	4	N/A	48-8M0151279	Fury 4
14.5	25	SS	4	N/A	48-8M0151280	Fury 4
14.5	26	SS	4	N/A	48-8M0151281	Fury 4
14.625	27	SS	3	N/A	48-8M0151388	Tempest Plus
14.625	26	SS	3	N/A	48-8M0151387	Tempest Plus
14.625	25	SS	3	N/A	48-8M0151386	Tempest Plus
14.625	24	SS	3	N/A	48-8M0151385	Tempest Plus
14.625	23	SS	3	N/A	48-8M0151384	Tempest Plus
14.625	22	SS	3	N/A	48-8M0151383	Tempest Plus
14.625	21	SS	3	N/A	48-8M0151382	Tempest Plus
14.625	19	SS	3	N/A	48-8M0151381	Tempest Plus
14.625	17	SS	3	N/A		
13.75		SS		N/A	48-8M0151380	Trophy Plus (SM)
	26	SS	4	N/A N/A	48-8M0151395	Trophy Plus (SM)
13.75	25	<b></b>	4	IN/M	48-8M0151394	Trophy Plus (SM)

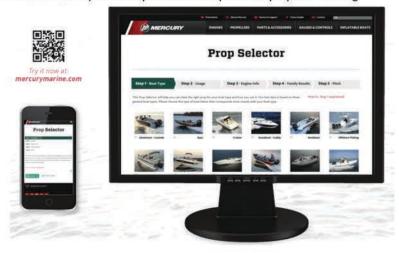
Diameter	Pitch	Material	Blades	LH Rotation	RH Rotation	Model
13.75	24	SS	4	N/A	48-8M0151393	Trophy Plus (SM)
13.75	23	SS	4	N/A	48-8M0151392	Trophy Plus (SM)
13.75	21	SS	4	N/A	48-8M0151391	Trophy Plus (SM)
13.75	19	SS	4	N/A	48-8M0151390	Trophy Plus (SM)
13.75	17	SS	4	N/A	48-8M0151389	Trophy Plus (SM)
13.25	23	SS	5	N/A	48-815762A46	HighFive
13.25	21	SS	5	N/A	48-8M0151292	HighFive
13.25	19	SS	5	N/A	48-8M0151291	HighFive
13.5	17	SS	5	N/A	48-8M0151290	HighFive
14.625	25	SS	4	48-8M0151328	48-8M0151329	Revolution 4
14.625	23	SS	4	48-8M0151326	48-8M0151327	Revolution 4
14.625	21	SS	4	48-8M0151324	48-8M0151325	Revolution 4
14.625	20	SS	4	48-8M0151322	48-8M0151323	Revolution 4
14.625	19	SS	4	48-8M0151320	48-8M0151321	Revolution 4
14.625	18	SS	4	48-8M0151318	48-8M0151319	Revolution 4
14.625	17	SS	4	48-8M0151316	48-8M0151317	Revolution 4
14.625	15	SS	4	48-8M0151314	48-8M0151315	Revolution 4
15.25	36	SS	4	48-832123A55	48- <b>832124A55</b>	Bravo I
15.25	34	SS	4	48-832121A55	48- <b>832122A55</b>	Bravo I
15.25	32	SS	4	48-8M0151220	48-8M0151221	Bravo I
15.25	30	SS	4	48-8M0151218	48-8M0151219	Bravo I
15.25	28	SS	4	48-8M0151216	48-8M0151217	Bravo I
15.25	26	SS	4	48-8M0151214	48-8M0151215	Bravo I
15.25	24	SS	4	48-8M0151212	48-8M0151213	Bravo I
15.25	22	SS	4	48-8M0151210	48-8M0151211	Bravo I

#### PROPELLER SELECTING TOOLS

### **Mercury Propeller Selecting Tools Available:**

#### 1. Mercury Propeller Selector on mercurymarine.com

a. Follow the required steps. Choose the boat type, engine and detailed boat information (Length, Weight or Current Performance) to identify an estimated pitch and propeller offering



#### 2. Mercury Outboard Propeller Rigging Charts

- a. Choose an engine and boat type combination from the following charts.
- b. Identify the line with the customer's boat weight (with engine, fuel, people and gear) and approximate speed. This will result in a propeller and pitch recommendation for the application
- c. Not all propellers are shown helping identify the best performing propellers for the specific application
- d. Only current Mercury outboards are shown, refer to the application charts for additional engine offerings

#### **Example Rigging Chart:**



## FRESHWATER FISH / RUNABOUT / FISH AND SKI / MOD V / V BOTTOM: 60 - 350 HP

#### Verado 350 HP - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.75:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH Part Number	Description	Performance Category
16.00"	23	3	3700-4200	65-74	48-8M0127053	Enertia ECO w/ FLO TORQ SSR HD	Comp Series
16.00"	22	3	3900-4500	63-70	48-8M0127051	Enertia ECO w/ FLO TORQ SSR HD	Comp Series
16.00"	21	3	4200-4700	59-66	48-8M0127049	Enertia ECO w/ FLO TORQ SSR HD	Comp Series
16.00"	20	3	4400-5000	56-63	48-8M0127047	Enertia ECO w/ FLO TORQ SSR HD	Comp Series
16.00"	19	3	4600-5300	53-60	48-8M0127045	Enertia ECO w/ FLO TORQ SSR HD	Comp Series
16.00"	18	3	4900-5800	49-55	48-8M0127043	Enertia ECO w/ FLO TORQ SSR HD	Comp Series
16.00"	17	3	5300-6300	46-53	48-8M0127041	Enertia ECO w/ FLO TORQ SSR HD	Comp Series
14.62"	25	4	3300-3800	71-81	48-8M0127039	Revolution 4 w/ FLO TORQ SSR HD	Comp Series
14.62"	23	4	3700-4200	65-74	48-8M0127037	Revolution 4 w/ FLO TORQ SSR HD	Comp Series
14.62"	21	4	4200-4700	59-66	48-8M0127035	Revolution 4 w/ FLO TORQ SSR HD	Comp Series
14.62"	20	4	4400-5000	56-63	48-8M0127033	Revolution 4 w/ FLO TORQ SSR HD	Comp Series
14.62"	19	4	4600-5300	53-60	48-8M0127031	Revolution 4 w/ FLO TORQ SSR HD	Comp Series
14.62"	18	4	5000-5600	49-56	48-8M0137924	Revolution 4 w/ FLO TORQ SSR HD	Comp Series
14.62"	17	4	5300-6300	46-53	48-8M0127029	Revolution 4 w/ FLO TORQ SSR HD	Comp Series
14.62"	15	4	6300-7500	39-46	48- <b>8M0127027</b>	Revolution 4 w/ FLO TORQ SSR HD	Comp Series
14.62"	23	3	3700-4200	65-74	48-8M0151384	Tempest Plus	Elite Series
14.62"	22	3	3900-4500	62-70	48-8M0151383	Tempest Plus	Elite Series
14.62"	21	3	4200-4700	59-66	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	4600-5300	53-60	48-8M0151381	Tempest Plus	Elite Series

### Verado 300 HP and 300 HP Pro FourStroke - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.75:1 and 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
14.62"	25	4	2800-3300	71-81	48-8M0151329	Revolution 4	Comp Series
14.62"	23	4	3100-3600	65-74	48-8M0151327	Revolution 4	Comp Series
14.62"	21	4	3600-4100	59-66	48-8M0151325	Revolution 4	Comp Series
14.62"	20	4	3800-4300	56-63	48-8M0151323	Revolution 4	Comp Series
14.62"	19	4	4000-4600	53-60	48-8M0151321	Revolution 4	Comp Series
14.62"	18	4	4300-4800	49-56	48-8M0151319	Revolution 4	Comp Series
14.62"	17	4	4600-5400	46-53	48-8M0151317	Revolution 4	Comp Series
14.62"	15	4	5400-6500	39-46	48-8M0151315	Revolution 4	Comp Series
13.45"	22	3	3300-3800	62-70	48-8M0151245	Enertia	Comp Series
13.63"	21	3	3600-4100	59-66	48-8M0151243	Enertia	Comp Series
13.80"	20	3	3800-4300	56-63	48-8M0151241	Enertia	Comp Series
14.00"	19	3	4000-4600	53-60	48-8M0151239	Enertia	Comp Series
14.22"	18	3	4300-4900	50-56	48-8M0151237	Enertia	Comp Series

Diameter	Pitch	No. of Blades	<b>Boat Weight</b>	Boat Speed	RH - Part Number	Description	Performance Category
14.45"	17	3	4600-5400	46-53	48-8M0151235	Enertia	Comp Series
14.72"	16	3	4900-5800	43-50	48-8M0151233	Enertia	Comp Series
15.00"	15	3	5400-6500	39-46	48-8M0151231	Enertia	Comp Series
14.62"	23	3	3100-3600	65-74	48-8M0151384	Tempest Plus	Elite Series
14.62"	22	3	3300-3800	62-70	48-8M0151383	Tempest Plus	Elite Series
14.62"	21	3	3600-4100	59-66	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	4000-4600	53-60	48-8M0151381	Tempest Plus	Elite Series
14.62"	17	3	4600-5400	46-53	48-8M0151380	Tempest Plus	Elite Series

### Verado 250 HP and 250 HP Pro FourStroke - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
14.62"	25	4	2500-2800	69-78	48-8M0151329	Revolution 4	Comp Series
14.62"	23	4	2700-3100	63-71	48-8M0151327	Revolution 4	Comp Series
14.62"	21	4	3100-3500	57-64	48-8M0151325	Revolution 4	Comp Series
14.62"	20	4	3250-3750	54-61	48-8M0151323	Revolution 4	Comp Series
14.62"	19	4	3400-4000	51-58	48-8M0151321	Revolution 4	Comp Series
14.62"	18	4	3750-4400	47-54	48-8M0151319	Revolution 4	Comp Series
14.62"	17	4	3900-5000	39-49	48-8M0151317	Revolution 4	Comp Series
14.62"	15	4	4600-6000	35-45	48- <b>8M</b> 0151315	Revolution 4	Comp Series
13.45"	22	3	2900-3300	60-68	48-8M0151245	Enertia	Comp Series
13.63"	21	3	3100-3500	57-64	48-8M0151243	Enertia	Comp Series
13.80"	20	3	3250-3750	54-61	48-8M0151241	Enertia	Comp Series
14.00"	19	3	3400-4000	51-58	48-8M0151239	Enertia	Comp Series
14.22"	18	3	3650-4500	45-54	48-8M0151237	Enertia	Comp Series
14.45"	17	3	3900-5000	39-49	48-8M0151235	Enertia	Comp Series
14.72"	16	3	4300-5500	37-47	48-8M0151233	Enertia	Comp Series
15.00"	15	3	4600-6000	35-45	48-8M0151231	Enertia	Comp Series
14.62"	23	3	2700-3100	63-71	48-8M0151384	Tempest Plus	Elite Series
14.62"	22	3	2700-3100	63-71	48-8M0151383	Tempest Plus	Elite Series
14.62"	21	3	3100-3500	57-64	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	3400-4000	51-58	48- <b>8M</b> 0151381	Tempest Plus	Elite Series
14.62"	17	3	3900-5000	39-49	48-8M0151380	Tempest Plus	Elite Series

#### Verado 225 HP and 225 HP Pro FourStroke - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
14.62"	25	4	2200-2500	69-78	48-8M0151329	Revolution 4	Comp Series
14.62"	23	4	2500-2800	63-71	48-8M0151327	Revolution 4	Comp Series
14.62"	21	4	2800-3200	57-64	48-8M0151325	Revolution 4	Comp Series
14.62"	20	4	2950-3400	54-61	48-8M0151323	Revolution 4	Comp Series
14.62"	19	4	3100-3600	51-58	48-8M0151321	Revolution 4	Comp Series
14.62"	18	4	3300-3700	48-54	48-8M0151319	Revolution 4	Comp Series
14.62"	17	4	3500-4100	45-52	48-8M0151317	Revolution 4	Comp Series
14.62"	15	4	4100-5500	35-45	48-8M0151315	Revolution 4	Comp Series
13.45"	22	3	2700-3100	60-68	48-8M0151245	Enertia	Comp Series
13.63"	21	3	2800-3200	57-64	48-8M0151243	Enertia	Comp Series
13.80"	20	3	2950-3400	54-61	48-8M0151241	Enertia	Comp Series
14.00"	19	3	3100-3600	51-58	48-8M0151239	Enertia	Comp Series
14.22"	18	3	3300-3850	48-55	48-8M0151237	Enertia	Comp Series
14.45"	17	3	3500-4100	45-52	48-8M0151235	Enertia	Comp Series
14.72"	16	3	3800-4800	40-49	48-8M0151233	Enertia	Comp Series

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
15.00"	15	3	4100-5500	35-45	48-8M0151231	Enertia	Comp Series
14.62"	23	3	2500-2800	63-71	48-8M0151384	Tempest Plus	Elite Series
14.62"	22	3	2700-3100	60-68	48-8M0151383	Tempest Plus	Elite Series
14.62"	21	3	2800-3200	57-64	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	3100-3600	51-58	48-8M0151381	Tempest Plus	Elite Series
14.62"	17	3	3500-4100	45-52	48-8M0151380	Tempest Plus	Elite Series

### Pro FourStroke 200 HP - V6 - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5800 - 6400 Gearcase Ratio 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
13.5"	22	3	2300-2600	59-68	48-8M0151245	Enertia	Comp Series
13.6"	21	3	2500-2800	57-64	48-8M0151243	Enertia	Comp Series
13.8"	20	3	2750-2950	54-63	48-8M0151241	Enertia	Comp Series
14"	19	3	2800-3200	51-58	48-8M0151239	Enertia	Comp Series
14.2"	18	3	2950-3450	47-55	48-8M0151237	Enertia	Comp Series
14.5"	17	3	3100-3700	45-52	48-8M0151235	Enertia	Comp Series
14.7"	16	3	3350-4250	41-50	48-8M0151233	Enertia	Comp Series
15"	15	3	3600-4400	38-47	48-8M0151231	Enertia	Comp Series
14.62"	23	3	2200-2500	63-71	48-8M0151384	Tempest Plus	Elite Series
14.62"	21	3	2500-2800	57-64	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	2800-3200	51-58	48-8M0151381	Tempest Plus	Elite Series
14.62"	17	3	3000-3500	45-52	48-8M0151380	Tempest Plus	Elite Series
14.0"	23	3	2200-2500	63-71	48-8M0084497	SpitFire	Elite Series
14.0"	21	3	2500-2800	57-64	48-8M0084496	SpitFire	Elite Series
14.0"	19	3	2800-3200	51-58	48-8M0084495	SpitFire	Elite Series
14.0"	17	3	2200-2500	63-71	48-8M0084494	SpitFire	Elite Series
14.25"	21	3	2500-2800	57-64	48-832832A45	Black Max	Sport Series
14.5"	19	3	2800-3200	51-58	48-832830A45	Black Max	Sport Series
15.0"	17	3	2500-2800	45-52	48-832828A45	Black Max	Sport Series

## Verado 200 HP - 4Cyl - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5800-6400 Gearcase Ratio: 2.08:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
13.45"	22	3	2800-3200	51-58	48-8M0151245	Enertia	Comp Series
13.63"	21	3	2900-3300	49-55	48-8M0151243	Enertia	Comp Series
13.80"	20	3	3000-3600	46-53	48-8M0151241	Enertia	Comp Series
14.00"	19	3	3300-3900	43-50	48- <b>8M</b> 0151239	Enertia	Comp Series
14.22"	18	3	3500-4300	39-47	48- <b>8M0151237</b>	Enertia	Comp Series
14.45"	17	3	3800-4700	36-44	48-8M0151235	Enertia	Comp Series
14.72"	16	3	4100-5200	33-41	48-8M0151233	Enertia	Comp Series
15.00"	15	3	4400-6000	29-38	48-8M0151231	Enertia	Comp Series
14.62"	21	3	2900-3300	49-55	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	3300-3900	43-50	48- <b>8M0151381</b>	Tempest Plus	Elite Series
14.62"	17	3	3800-4700	36-44	48- <b>8M0151380</b>	Tempest Plus	Elite Series
14.00"	21	3	2900-3300	49-55	48-8M0084496	SpitFire	Elite Series
14.00"	19	3	3300-3900	43-50	48-8M0084495	SpitFire	Elite Series
14.00"	17	3	3800-4700	36-44	48-8M0084494	SpitFire	Elite Series
14.25"	21	3	2900-3300	49-55	48-832832A45	Black Max	Sport Series
14.50"	19	3	3300-3900	43-50	48-832830A45	Black Max	Sport Series
15.00"	17	3	3800-4700	36-44	48-832828A45	Black Max	Sport Series
15.25"	15	3	4400-6000	29-38	48- <b>78116A45</b>	Black Max	Sport Series

#### 150 HP FourStroke - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5000-5800 Gearcase Ratio: 1.92:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
13.50"	22	3	2100-2600	47-57	48-8M0151245	Enertia		Comp Series
13.62"	21	3	2200-2800	44-54	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.75"	20	3	2300-3000	42-52	48-8M0151241	Enertia		Comp Series
14.00"	19	3	2500-3200	39-49	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.25"	18	3	2700-3200	35-46	48-8M0151237	Enertia		Comp Series
14.50"	17	3	2900-4000	32-43	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.75"	16	3	3100-4500	29-40	48-8M0151233	Enertia		Comp Series
15.00"	15	3	3400-5100	26-37	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.13"	14	3	3800-6200	22-34	48-8M0151229	Enertia		Comp Series
14.62"	25	3	1800-2200	55-65	48-8M0151386	Tempest Plus		Elite Series
14.62"	24	3	1900-2300	53-62	48-8M0151385	Tempest Plus		Elite Series
14.62"	23	3	2000-2400	50-60	48-8M0151384	Tempest Plus		Elite Series
14.62"	22	3	2100-2600	47-57	48-8M0151383	Tempest Plus		Elite Series
14.62"	21	3	2200-2800	44-54	48-8M0151382	Tempest Plus		Elite Series
14.62"	19	3	2500-3200	39-49	48-8M0151381	Tempest Plus		Elite Series
14.62"	17	3	2900-4000	32-43	48-8M0151380	Tempest Plus		Elite Series

#### 115 CT Pro XS FourStroke - Freshwater Fish

Engine RPM Range: 5300-6300 Gearcase Ratio: 2.38:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
14.62"	22	3	2000-2700	38-50	48-8M0151383	Tempest Plus	Elite Series
14.62"	21	3	2100-2900	35-47	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	2400-3500	30-42	48-8M0151381	Tempest Plus	Elite Series
14.62"	17	3	2700-4500	24-37	48-8M0151380	Tempest Plus	Elite Series
14.00"	21	4	2100-2900	35-47	48-8M0084496	SpitFire	Elite Series
14.00"	19	4	2400-3500	30-42	48-8M0084495	SpitFire	Elite Series
14.00"	17	4	2700-4500	24-37	48-8M0084494	SpitFire	Elite Series
15.00"	21	3	2100-2900	35-47	48-832832A45	Black Max	Sport Series
14.50"	19	3	2400-3500	30-42	48-832830A45	Black Max	Sport Series
15.00"	17	3	2700-4500	24-37	48-832828A45	Black Max	Sport Series

#### 115 STD Pro XS FourStroke - Freshwater Fish

Engine RPM Range: 5300-6300 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1800-2300	43-55	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	2000-2700	38-49	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	2300-3300	31-44	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2700-4300	25-37	48-8M0151361	SpitFire X7	Elite Series
13"	18	3	2100-2900	35-46	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	2400-3800	28-41	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2700-4300	25-37	48-8M0151400	Vengeance	Sport Series
12.8"	19	4	2000-2700	38-49	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	2300-3300	31-44	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2700-4300	25-37	48-8M8026580	SpitFire	Elite Series
12.5"	23	3	1600-2000	49-60	48- 77350A45	Black Max	Sport Series
12.75"	21	3	1800-2300	43-55	48- 77348A45	Black Max	Sport Series
13"	19	3	2000-2700	38-49	48- 77346A45	Black Max	Sport Series
13.25"	17	3	2300-3300	31-44	48- 77344A45	Black Max	Sport Series
13.25"	16	3	2400-3800	28-41	48-854360A45	Black Max	Sport Series

### 115 CT HP FourStroke - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.38:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
13.50"	22	3	2000-2800	35-47	48-8M0151245	Enertia		Comp Series
13.80"	21	3	2100-3100	32-45	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.75"	20	3	2300-3500	29-42	48-8M0151241	Enertia		Comp Series
14.00"	19	3	2400-3700	27-40	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.20"	18	3	2600-4300	24-37	48-8M0151237	Enertia		Comp Series
14.50"	17	3	2800-5000	21-35	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.70"	16	3	3100-5600	19-32	48-8M0151233	Enertia		Comp Series
15.00"	15	3	3500-6700	16-29	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.30"	14	3	3900-7800	14-26	48-8M0151229	Enertia	48-8M0151228	Comp Series
15.60"	13	3	4300-10300	11-24	48-8M0151227	Enertia	48-8M0151226	Comp Series
16.00"	11	3	7000+	1-18	48-8M0151225	Enertia	48-8M0151224	Comp Series
14.62"	23	3	1900-2600	38-49	48-8M0151384	Tempest Plus		Elite Series
14.62"	22	3	2000-2800	35-47	48-8M0151383	Tempest Plus		Elite Series
14.62"	21	3	2100-3100	32-45	48-8M0151382	Tempest Plus		Elite Series
14.62"	19	3	2400-3700	27-40	48-8M0151381	Tempest Plus		Elite Series
14.62"	17	3	2800-5000	21-35	48-8M0151380	Tempest Plus		Elite Series
14.00"	23	4	1900-2600	38-49	48- <b>8M0084497</b>	SpitFire		Elite Series
14.00"	21	4	2100-3100	32-45	48-8M0084496	SpitFire		Elite Series
14.00"	19	4	2400-3700	27-40	48-8M0084495	SpitFire		Elite Series
14.00"	17	4	2800-5000	21-35	48-8M0084494	SpitFire		Elite Series
14.00"	14	4	3900-7800	14-26	48- <b>8M0084493</b>	SpitFire		Elite Series
14.00"	12	4	7000+	1-24	48-8M0084491	SpitFire		Elite Series
14.50"	19	3	2400-3700	27-40	48-832830A45	Black Max		Sport Series
15.00"	17	3	2800-5000	21-35	48-832828A45	Black Max		Sport Series
15.25"	15	3	3500-6700	16-29	48- <b>78116A45</b>	Black Max		Sport Series
16.00"	13	3	4300-10300	11-24	48- <b>78114A45</b>	Black Max		Sport Series
16.00"	12	3	5000+	9-21	48- <b>16436A45</b>	Black Max		Sport Series
16.00"	11	3	7000+	1-18	48- <b>78112A45</b>	Black Max		Sport Series

#### 115 STD HP FourStroke - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1800-2400	40-52	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	2000-2900	34-47	48- <b>8M</b> 0151363	SpitFire X7	Elite Series
13.0"	17	4	2300-3600	28-41	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2800-4700	22-35	48-8M0151361	SpitFire X7	Elite Series
14.0"	13	4	3500-6700	16-29	48-8M0151360	SpitFire X7	Elite Series
13"	18	3	2200-3200	31-44	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	2500-4100	25-38	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2800-4700	22-35	48-8M0151400	Vengeance	Sport Series
13.38"	14	3	3100-5600	19-32	48-8M0151399	Vengeance	Sport Series
14"	12	3	3900-8500	13-26	48-8M0151398	Vengeance	Sport Series
12.8"	19	4	2000-2900	34-47	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	2300-3600	28-41	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2800-4700	22-35	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	3500-6700	16-29	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	4500-11500	10-23	48-8M8026560	SpitFire	Elite Series
12.5"	23	3	1600-2100	45-57	48- 77350A45	Black Max	Sport Series
12.75"	21	3	1800-2400	40-52	48- 77348A45	Black Max	Sport Series
13"	19	3	2000-2900	34-47	48- 77346A45	Black Max	Sport Series
13.25"	17	3	2300-3600	28-41	48- <b>77344A45</b>	Black Max	Sport Series

Diameter	Pitch	No. of Blades	<b>Boat Weight</b>	Boat Speed	RH - Part Number	Description	Performance Category
13.25"	16	3	2500-4100	25-38	48-854360A45	Black Max	Sport Series
13.75"	15	3	2800-4700	22-35	48- <b>77342A45</b>	Black Max	Sport Series
13.88"	14	3	3100-5600	19-32	48-854352A45	Black Max	Sport Series
14"	13	3	3500-6700	16-29	48- <b>77340A45</b>	Black Max	Sport Series
14"	11	3	4700+	1-23	48- <b>77338A45</b>	Black Max	Sport Series

### 90 CT HP FourStroke - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.38:1

Diameter	Ditab	No. of Diades	Boot Weight	Boot Swood	DII Davi Number	Description	III Davi Number	Performance
Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Category
13.80"	21	3	1600-2400	32-45	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.75"	20	3	1800-2700	29-42	48-8M0151241	Enertia		Comp Series
14.00"	19	3	1900-2900	27-40	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.20"	18	3	2100-3300	24-37	48-8M0151237	Enertia		Comp Series
14.50"	17	3	2200-3900	21-35	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.70"	16	3	2400-4400	19-32	48-8M0151233	Enertia		Comp Series
15.00"	15	3	2700-5300	16-29	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.30"	14	3	3100-6100	14-26	48-8M0151229	Enertia	48-8M0151228	Comp Series
15.6"	13	3	3300-8100	11-24	48-8M0151227	Enertia	48-8M0151226	Comp Series
16.0"	11	3	6000+	1-18	48-8M0151225	Enertia	48-8M0151224	Comp Series
13.75"	21	3	1600-2400	32-45	48-8M0151408	Vengeance		Sport Series
14.00"	19	3	1900-2900	27-40	48-8M0151407	Vengeance	48-8M0151406	Sport Series
14.50"	17	3	2200-3900	21-35	48-8M0151405	Vengeance	48-8M0151404	Sport Series
14.00"	21	4	1600-2400	32-45	48-8M0084496	SpitFire		Elite Series
14.00"	19	4	1900-2900	27-40	48-8M0084495	SpitFire		Elite Series
14.00"	17	4	2200-3900	21-35	48-8M0084494	SpitFire		Elite Series
14.00"	14	4	3300-8100	11-24	48-8M0084493	SpitFire		Elite Series
14.00"	12	4	6000+	1-18	48-8M0084491	SpitFire		Elite Series
14.00"	23	3	1500-1900	38-49	48-832834A45	Black Max		Sport Series
14.25"	21	3	1600-2400	32-45	48-832832A45	Black Max		Sport Series
14.50"	19	3	1900-2900	27-40	48-832830A45	Black Max		Sport Series
15.00"	17	3	2200-3900	21-35	48-832828A45	Black Max		Sport Series
15.25"	15	3	2700-5300	16-29	48- <b>78116A45</b>	Black Max		Sport Series
16.00"	13	3	3300-8100	11-24	48- <b>78114A45</b>	Black Max		Sport Series
16.00"	11	3	6000+	1-18	48- <b>78112A45</b>	Black Max		Sport Series

### 90 STD HP FourStroke - Freshwater Fish / Runabout / Fish and Ski

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1400-1900	40-52	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	1600-2300	34-47	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	1800-2800	28-41	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2200-3700	22-35	48-8M0151361	SpitFire X7	Elite Series
13"	18	3	4000+	31-44	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	2000-3200	25-38	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2200-3700	22-35	48-8M0151400	Vengeance	Sport Series
13.38"	14	3	2400-4400	19-32	48-8M0151399	Vengeance	Sport Series
14"	12	3	2700-5300	13-26	48-8M0151398	Vengeance	Sport Series
12.8"	19	4	1600-2300	34-47	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	1800-2800	28-41	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2200-3700	22-35	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	2700-5300	16-29	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	4000+	10-23	48-8M8026560	SpitFire	Elite Series
12.5"	23	3	1300-1600	45-57	48- 77350A45	Black Max	Sport Series

Diameter	Pitch	No. of Blades	<b>Boat Weight</b>	Boat Speed	RH - Part Number	Description	Performance Category
12.75"	21	3	1400-1900	40-52	48- <b>77348A45</b>	Black Max	Sport Series
13"	19	3	1600-2300	34-47	48- <b>77346A45</b>	Black Max	Sport Series
13.25"	17	3	1800-2800	28-41	48- <b>77344A45</b>	Black Max	Sport Series
13.25"	16	3	2000-3200	25-38	48- <b>854360A45</b>	Black Max	Sport Series
13.75"	15	3	2200-3700	22-35	48- <b>77342A45</b>	Black Max	Sport Series
13.88"	14	3	2400-4400	19-32	48- <b>854352A45</b>	Black Max	Sport Series
14"	13	3	2700-5300	16-29	48- <b>77340A45</b>	Black Max	Sport Series
14"	11	3	4000+	1-22	48- <b>77338A45</b>	Black Max	Sport Series

## 75 STD HP FourStroke - Freshwater Fish (V and Mod V)

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1300-1900	34-47	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	1500-2300	29-42	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	1700-2900	23-37	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2100-3900	18-31	48-8M0151361	SpitFire X7	Elite Series
13"	18	3	1600-2500	26-40	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	1900-3400	20-34	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2100-3900	18-31	48-8M0151400	Vengeance	Sport Series
13.38"	14	3	2300-4700	15-28	48-8M0151399	Vengeance	Sport Series
14"	12	3	2900-7500	10-23	48-8M0151398	Vengeance	Sport Series
12.8"	19	4	1500-2300	29-42	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	1700-2900	23-37	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2100-3900	18-31	48-8M8026580	SpitFire	Elite Series
12.5"	23	3	1200-1600	39-52	48- <b>77350A45</b>	Black Max	Sport Series
12.75"	21	3	1300-1900	34-47	48- <b>77348A45</b>	Black Max	Sport Series
13"	19	3	1500-2300	29-42	48- <b>77346A45</b>	Black Max	Sport Series
13.25"	17	3	1700-2900	23-37	48- <b>77344A45</b>	Black Max	Sport Series
13.25"	16	3	1900-3400	20-34	48- <b>854360A45</b>	Black Max	Sport Series
13.75"	15	3	2100-3900	18-31	48- <b>77342A45</b>	Black Max	Sport Series
13.88"	14	3	2300-4700	15-28	48- <b>854352A45</b>	Black Max	Sport Series

### 60 STD HP FourStroke - Freshwater Fish (V and Mod V)

Engine RPM Range: 5500-6000 Gearcase ratio: 2.33:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
10.6	14	4	1300-1700	16-30	48-878616A46	Trophy Sport	Elite Series
10.6	13	4	1500-2000	17-26	48- <b>878614A46</b>	Trophy Sport	Elite Series
10.6	12	4	1700-2500	19-22	48-878612A46	Trophy Sport	Elite Series
10.25	15	3	1200-1600	15-33	48-855862A46	Vengeance	Sport Series
10.4	14	3	1300-1700	16-30	48-855860A46	Vengeance	Sport Series
10.5	13	3	1500-2000	17-26	48-855858A46	Vengeance	Sport Series
10.1	15	4	1200-1600	15-33	48-8M8026640	SpitFire	Elite Series
10.1	14	4	1300-1700	16-30	48- <b>8M8026635</b>	SpitFire	Elite Series
10.3	13	4	1500-2000	17-26	48-8M8026630	SpitFire	Elite Series
10	17	3	1000-1300	13-40	48- <b>73144A45</b>	Black Max	Sport Series
10	16	3	1100-1400	14-37	48- <b>73142A45</b>	Black Max	Sport Series
10.1	15	3	1200-1600	15-33	48- <b>73140A45</b>	Black Max	Sport Series
10.25	14	3	1300-1700	16-30	48- 73138A45	Black Max	Sport Series
10.4	13	3	1500-2000	17-26	48- <b>73136A45</b>	Black Max	Sport Series

# TRI / PONTOON: 40 - 350 HP

## Verado 350 HP - Tri / Pontoon (Single and Twin)

Engine RPM Range: 5800 - 6400 Gearcase Ratio 1.75:1

No. of Engine	Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH Part Number	Description	LH Part Number	Performance Category
Single	13.45"	22	3	3900-4500	62-70	48-8M0151245	Enertia		Comp Series
Single	13.63"	21	3	4200-4700	59-66	48-8M0151243	Enertia	48-8M0151242	Comp Series
Single	13.80"	20	3	4400-5000	56-63	48-8M0151241	Enertia		Comp Series
Single	14.00"	19	3	4600-5300	53-60	48-8M0151239	Enertia	48-8M0151238	Comp Series
Single	14.22"	18	3	5000-5700	50-56	48-8M0151237	Enertia		Comp Series
Single	14.45"	17	3	5300-6300	46-53	48-8M0151235	Enertia	48-8M0151234	Comp Series
Single	14.72"	16	3	5700-6700	43-50	48-8M0151233	Enertia		Comp Series
Single	15.00"	15	3	6300-7500	39-46	48-8M0151231	Enertia	48-8M0151230	Comp Series
Single	15.30"	14	3	6700-8500	35-43	48-8M0151229	Enertia	48-8M0151228	Comp Series
Single	15.60"	13	3	7500-9800	31-39	48-8M0151227	Enertia	48-8M0151226	Comp Series
Single	16.00"	23	3	3700-4200	65-74	48-8M0127053	Enertia ECO w/ FT SSR HD	48-8M0127052	Comp Series
Single	16.00"	22	3	3900-4500	62-70	48-8M0127051	Enertia ECO w/ FT SSR HD	48-8M0127050	Comp Series
Single	16.00"	21	3	4200-4700	59-66	48-8M0127049	Enertia ECO w/ FT SSR HD	48-8M0127048	Comp Series
Single	16.00"	20	3	4400-5000	56-63	48-8M0127047	Enertia ECO w/ FT SSR HD	48-8M0127046	Comp Series
Single	16.00"	19	3	4600-5300	53-60	48-8M0127045	Enertia ECO w/ FT SSR HD	48-8M0127044	Comp Series
Single	16.00"	18	3	5000-5700	50-56	48-8M0127043	Enertia ECO w/ FT SSR HD	48-8M0127042	Comp Series
Single	16.00"	17	3	5300-6300	46-53	48-8M0127041	Enertia ECO w/ FT SSR HD	48-8M0127040	Comp Series
Single	14.62"	25	4	3300-3800	71-81	48-8M0127039	Revolution 4 w/ FT SSR HD	48-8M0127038	Comp Series
Single	14.62"	23	4	3700-4200	65-74	48-8M0127037	Revolution 4 w/ FT SSR HD	48-8M0127036	Comp Series
Single	14.62"	21	4	4200-4700	59-66	48-8M0127035	Revolution 4 w/ FT SSR HD	48-8M0127034	Comp Series
Single	14.62"	20	4	4400-5000	56-63	48-8M0127033	Revolution 4 w/ FT SSR HD	48-8M0127032	Comp Series
Single	14.62"	19	4	4600-5300	53-60	48-8M0127031	Revolution 4 w/ FT SSR HD	48-8M0127030	Comp Series
Single	14.62"	18	4	5000-5800	49-56	48-8M0137924	Revolution 4 w/ FT SSR HD	48-8M0137925	Comp Series
Single	14.62"	17	4	5300-6300	46-53	48-8M0127029	Revolution 4 w/ FT SSR HD	48-8M0127028	Comp Series
Single	14.62"	15	4	6300-7500	39-46	48-8M0127027	Revolution 4 w/ FT SSR HD	48-8M0064449	Comp Series
Twin	13.63"	21	3	7000-8300	59-66	48-8M0151243	Enertia	48-8M0151242	Comp Series
Twin	14.00"	19	3	8100-9600	53-60	48-8M0151239	Enertia	48-8M0151238	Comp Series
Twin	14.45"	17	3	9600-12200	46-53	48-8M0151235	Enertia	48-8M0151234	Comp Series
Twin	15.00"	15	3	11600-15300	39-46	48-8M0151231	Enertia	48-8M0151230	Comp Series
Twin	16.00"	23	3	5800-7200	65-74	48-8M0127053	Enertia ECO w/ FT SSR HD	48-8M0127052	Comp Series
Twin	16.00"	22	3	3900-4500	62-70	48-8M0127051	Enertia ECO w/ FT SSR HD	48-8M0127050	Comp Series
Twin	16.00"	21	3	7000-8300	59-66	48-8M0127049	Enertia ECO w/ FT SSR HD	48-8M0127048	Comp Series
Twin	16.00"	20	3	7600-9000	56-63	48-8M0127047	Enertia ECO w/ FT SSR HD	48-8M0127046	Comp Series
Twin	16.00"	19	3	8100-9600	53-60	48-8M0127045	Enertia ECO w/ FT SSR HD	48-8M0127044	Comp Series
Twin	16.00"	18	3	5000-5700	50-56	48-8M0127043	Enertia ECO w/ FT SSR HD	48-8M0127042	Comp Series
Twin	16.00"	17	3	9600-12200	46-53	48- <b>8M0127041</b>	Enertia ECO w/ FT SSR HD	48-8M0127040	Comp Series
Twin	14.62"	25	4	5000-6300	71-81	48- <b>8M0127039</b>	Revolution 4 w/ FT SSR HD	48-8M0127038	Comp Series
Twin	14.62"	23	4	5800-7200	65-74	48- <b>8M0127037</b>	Revolution 4 w/ FT SSR HD	48- <b>8M</b> 0127036	Comp Series
Twin	14.62"	21	4	7000-8300	59-66	48- <b>8M0127035</b>	Revolution 4 w/ FT SSR HD	48-8M0127034	Comp Series
Twin	14.62"	20	4	7600-9000	56-63	48- <b>8M0127033</b>	Revolution 4 w/ FT SSR HD	48- <b>8M0127032</b>	Comp Series
Twin	14.62"	19	4	8100-9600	53-60	48- <b>8M0127031</b>	Revolution 4 w/ FT SSR HD	48-8M0127030	Comp Series
Twin	14.62"	18	4	9000-10800	49-56	48- <b>8M0137924</b>	Revolution 4 w/ FT SSR HD	48-8M0137925	Comp Series
Twin	14.62"	17	4	9600-12200	46-53	48- <b>8M0127029</b>	Revolution 4 w/ FT SSR HD	48-8M0127028	Comp Series
Twin	14.62"	15	4	11600-15300	39-46	48- <b>8M0127027</b>	Revolution 4 w/ FT SSR HD	48-8M0127026	Comp Series

#### Verado 300 HP - Tri / Pontoon

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.75:1 and 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
13.45"	22	3	3300-3800	62-70	48- <b>8M</b> 0151245	Enertia		Comp Series
13.63"	21	3	3600-4100	59-66	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.80"	20	3	3800-4300	56-63	48- <b>8M0151241</b>	Enertia		Comp Series
14.00"	19	3	4000-4600	53-60	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.22"	18	3	4300-4900	50-56	48- <b>8M</b> 0151237	Enertia		Comp Series
14.45"	17	3	4600-5400	46-53	48-8M0151235	Enertia	48-8M0151235	Comp Series
14.72"	16	3	4900-5800	43-50	48-8M0151233	Enertia		Comp Series
15.00"	15	3	5400-6500	39-46	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.00"	14	3	6700-8500	35-43	48- <b>8M0151229</b>	Enertia	48-8M0151228	Comp Series
15.00"	13	3	7500-9800	31-39	48-8M0151227	Enertia	48-8M0151226	Comp Series
16.00"	23	3	3100-3600	65-74	48-8M0151263	Enertia ECO	48-8M0151262	Comp Series
16.00"	22	3	3300-3800	62-70	48-8M0151261	Enertia ECO	48-8M0151260	Comp Series
16.00"	21	3	3600-4100	59-66	48-8M0151259	Enertia ECO	48-8M0151258	Comp Series
16.00"	20	3	3800-4300	56-63	48-8M0151257	Enertia ECO	48-8M0151256	Comp Series
16.00"	19	3	4000-4600	53-60	48- <b>8M</b> 0151255	Enertia ECO	48-8M0151254	Comp Series
16.00"	18	3	4300-4900	50-56	48- <b>8M</b> 0151253	Enertia ECO	48-8M0151252	Comp Series
16.00"	17	3	4600-5400	46-53	48- <b>8M0151251</b>	Enertia ECO	48-8M0151250	Comp Series
14.62"	25	4	2800-3300	71-81	48- <b>8M</b> 0151329	Revolution 4	48-8M0151328	Comp Series
14.62"	23	4	3100-3600	65-74	48-8M0151327	Revolution 4	48-8M0151326	Comp Series
14.62"	21	4	3600-4100	59-66	48-8M0151325	Revolution 4	48-8M0151324	Comp Series
14.62"	20	4	3800-4300	56-63	48- <b>8M</b> 0151323	Revolution 4	48-8M0151322	Comp Series
14.62"	19	4	4000-4600	53-60	48-8M0151321	Revolution 4	48-8M0151320	Comp Series
14.62"	18	4	4300-4900	49-56	48-8M0151319	Revolution 4	48-8M0151318	Comp Series
14.62"	17	4	4600-5400	46-53	48-8M0151317	Revolution 4	48-8M0151316	Comp Series
14.62"	15	4	5400-6500	39-46	48-8M0151315	Revolution 4	48-8M0151314	Comp Series

#### Verado 250 HP - Tri / Pontoon

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
13.45"	22	3	2900-3300	60-68	48-8M0151245	Enertia		Comp Series
13.63"	21	3	3100-3500	57-64	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.80"	20	3	3250-3750	54-61	48-8M0151241	Enertia		Comp Series
14.00"	19	3	3400-4000	51-58	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.22"	18	3	3650-4500	45-54	48-8M0151237	Enertia		Comp Series
14.45"	17	3	3900-5000	39-49	48-8M0151235	Enertia	48-8M0151235	Comp Series
14.72"	16	3	4300-5500	37-47	48-8M0151233	Enertia		Comp Series
15.00"	15	3	4600-6000	35-45	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.00"	14	3	5000-5500	25-38	48-8M0151229	Enertia	48-8M0151228	Comp Series
15.00"	13	3	5500+	1-28	48-8M0151227	Enertia	48-8M0151226	Comp Series
14.62"	21	4	3100-3500	57-64	48-8M0151325	Revolution 4	48-8M0151324	Comp Series
14.62"	20	4	3250-3750	54-61	48-8M0151323	Revolution 4	48-8M0151322	Comp Series
14.62"	19	4	3400-4000	51-58	48-8M0151321	Revolution 4	48-8M0151320	Comp Series
14.62"	18	4	3750-4300	47-54	48-8M0151319	Revolution 4	48-8M0151318	Comp Series
14.62"	17	4	3900-5000	39-49	48-8M0151317	Revolution 4	48-8M0151316	Comp Series
14.62"	15	4	4600-6000	35-45	48-8M0151315	Revolution 4	48-8M0151314	Comp Series
14.75"	21	3	3100-3500	57-64	48-8M0151310	Mirage Plus	48-8M0151309	Elite Series
15.25"	19	3	3400-4000	51-58	48-8M0151308	Mirage Plus	48-8M0151307	Elite Series
15.5"	17	3	3900-5000	39-49	48-8M0151304	Mirage Plus	48-8M0151303	Elite Series
15.75"	15	3	4600-6000	35-45	48-8M0151302	Mirage Plus	48-8M0151301	Elite Series
16"	13	3	5500+	25-38	48-8M0151300	Mirage Plus		Elite Series

### Verado 225 HP - Tri / Pontoon

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
13.45"	22	3	2700-3100	60-68	48-8M0151245	Enertia		Comp Series
13.63"	21	3	2800-3200	57-64	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.80"	20	3	2950-3400	54-61	48-8M0151241	Enertia		Comp Series
14.00"	19	3	3100-3600	51-58	48- <b>8M0151239</b>	Enertia	48-8M0151238	Comp Series
14.22"	18	3	3300-3850	48-55	48-8M0151237	Enertia		Comp Series
14.45"	17	3	3500-4100	45-52	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.72"	16	3	3800-4800	40-49	48-8M0151233	Enertia		Comp Series
15.00"	15	3	4100-5500	35-45	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.30"	14	3	4500-6000	30-41	48-8M0151229	Enertia	48-8M0151228	Comp Series
15.6"	13	3	5000+	25-38	48-8M0151227	Enertia	48-8M0151226	Comp Series
14.62"	25	4	2200-2500	69-78	48-8M0151329	Revolution 4	48-8M0151328	Comp Series
14.62"	23	4	2500-2800	63-71	48-8M0151327	Revolution 4	48-8M0151326	Comp Series
14.62"	21	4	2800-3200	57-64	48-8M0151325	Revolution 4	48-8M0151324	Comp Series
14.62"	20	4	2950-3400	54-61	48-8M0151323	Revolution 4	48-8M0151322	Comp Series
14.62"	19	4	3100-3600	51-58	48-8M0151321	Revolution 4	48-8M0151320	Comp Series
14.62"	18	4	3400-3800	48-54	48-8M0151319	Revolution 4	48-8M0151318	Comp Series
14.62"	17	4	3500-4100	45-52	48-8M0151317	Revolution 4	48-8M0151316	Comp Series
14.62"	15	4	4100-5500	35-45	48-8M0151315	Revolution 4	48-8M0151314	Comp Series
14.50"	25	3	2200-2500	69-78	48- 13706A46	Mirage Plus	N/A	Elite Series
14.63"	23	3	2500-2800	63-71	48-8M0151312	Mirage Plus	48-8M0151311	Elite Series
14.75"	21	3	2800-3200	57-64	48-8M0151310	Mirage Plus	48-8M0151309	Elite Series
15.25"	19	3	3100-3600	51-58	48-8M0151308	Mirage Plus	48-8M0151307	Elite Series
15.5"	17	3	3500-4100	45-52	48-8M0151304	Mirage Plus	48-8M0151303	Elite Series
15.75"	15	3	4100-5500	35-45	48-8M0151302	Mirage Plus	48-8M0151301	Elite Series
16.00"	13	3	4100-5500	35-45	48-8M0151300	Mirage Plus		Elite Series

#### Pro FourStroke 200 HP - V6 - Tri / Pontoon

Engine RPM Range: 5800 - 6400 Gearcase Ratio 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
13.8"	20	3	2750-2950	54-63	48-8M0151241	Enertia	Comp Series
14"	19	3	2800-3200	51-58	48-8M0151239	Enertia	Comp Series
14.2"	18	3	2950-3450	47-55	48-8M0151237	Enertia	Comp Series
14.5"	17	3	3100-3700	45-52	48-8M0151235	Enertia	Comp Series
14.7"	16	3	3350-4250	41-50	48-8M0151233	Enertia	Comp Series
15"	15	3	3600-4400	38-47	48-8M0151231	Enertia	Comp Series
15.3"	14	3	3900-5200	35-43	48-8M0151229	Enertia	Comp Series
15.6"	13	3	4100-5800	31-40	48-8M0151227	Enertia	Comp Series
16.0"	11	3	6000+	1-29	48-8M0151225	Enertia	Comp Series
14.0"	23	3	2200-2500	63-71	48-8M0084497	SpitFire	Elite Series
14.0"	21	3	2500-2800	57-64	48-8M0084496	SpitFire	Elite Series
14.0"	19	3	2800-3200	51-58	48-8M0084495	SpitFire	Elite Series
14.0"	17	3	2200-2500	63-71	48-8M0084494	SpitFire	Elite Series
14.0"	14	3	3900-5200	35-43	48-8M0084493	SpitFire	Elite Series
14.0"	12	3	4900-6800	26-35	48-8M0084491	SpitFire	Elite Series
14.25"	21	3	2500-2800	57-64	48- <b>832832A45</b>	Black Max	Sport Series
14.5"	19	3	2800-3200	51-58	48-832830A45	Black Max	Sport Series
15.0"	17	3	3100-3700	45-52	48- <b>832828A45</b>	Black Max	Sport Series
14.5"	19	3	2800-3200	51-58	48-832830A45	Black Max	Sport Series
15.0"	17	3	3100-3700	45-52	48-832828A45	Black Max	Sport Series
15.25"	15	3	3600-4400	38-47	48- <b>78116A45</b>	Black Max	Sport Series
16.00"	13	3	4100-5800	31-40	48- <b>78114A45</b>	Black Max	Sport Series

## Verado 200 HP - 4Cyl - Tri / Pontoon

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
14.00"	19	3	3300-3900	43-50	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.22"	18	3	3500-4300	39-47	48-8M0151237	Enertia		Comp Series
14.45"	17	3	3800-4700	36-44	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.72"	16	3	4100-5200	33-41	48-8M0151233	Enertia		Comp Series
15.00"	15	3	4400-6000	29-38	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.30"	14	3	4900-6800	26-35	48-8M0151229	Enertia		Comp Series
15.60"	13	3	5400-8200	22-32	48-8M0151227	Enertia	48-8M0151226	Comp Series
16.00"	11	3	6000+	1-25	48-8M0151225	Enertia	48-8M0151224	Comp Series
15.25"	19	3	3300-3900	43-50	48-8M0084496	SpitFire		Elite Series
15.5"	17	3	3800-4700	36-44	48-8M0084494	SpitFire		Elite Series
15.75"	14	3	3600-4400	29-38	48-8M0084493	SpitFire		Elite Series
16.00"	12	3	5400-8200	22-32	48-8M0084491	SpitFire		Elite Series
15.25"	19	3	3300-3900	43-50	48-832830A45	Black Max		Sport Series
15.5"	17	3	3800-4700	36-44	48-832828A45	Black Max		Sport Series
15.25"	15	3	3600-4400	29-38	48- <b>78116A45</b>	Black Max		Sport Series
16.00"	13	3	5400-8200	22-32	48- <b>78114A45</b>	Black Max		Sport Series
16.00"	11	3	6000+	1-25	48- <b>78112A45</b>	Black Max		Sport Series

#### 150 HP FourStroke - Tri / Pontoon

Engine RPM Range: 5000-5800 Gearcase Ratio: 1.92:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
13.50"	22	3	2100-2600	47-57	48-8M0151245	Enertia		Comp Series
13.62"	21	3	2200-2800	44-54	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.75"	20	3	2300-3000	42-52	48-8M0151241	Enertia		Comp Series
14.00"	19	3	2500-3200	39-49	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.25"	18	3	2700-3200	35-46	48-8M0151237	Enertia		Comp Series
14.50"	17	3	2900-4000	32-43	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.75"	16	3	3100-4500	29-40	48-8M0151233	Enertia		Comp Series
15.00"	15	3	3400-5100	26-37	48-8M0151231	Enertia	48- <b>8M0151230</b>	Comp Series
15.30"	14	3	3800-6200	22-34	48-8M0151229	Enertia		Comp Series
15.60"	13	3	4500-7000	1-28	48-8M0151227	Enertia	48- <b>8M0151226</b>	Comp Series
16.00"	11	3	7000+	1-25	48-8M0151225	Enertia	48-8M0151224	Comp Series
14.00"	19	4	2500-3200	39-49	48-8M0084495	SpitFire		Elite Series
14.00"	17	4	2900-4000	32-43	48-8M0084494	SpitFire		Elite Series
14.00"	14	4	3800-6200	22-34	48-8M0084493	SpitFire		Elite Series
14.00"	12	4	7000+	1-25	48-8M0084491	SpitFire		Elite Series
14.50"	19	3	2500-3200	39-79	48-832830A45	Black Max		Sport Series
15.00"	17	3	2900-4000	32-43	48-832828A45	Black Max		Sport Series
15.25"	15	3	3400-5100	26-37	48- <b>78116A45</b>	Black Max		Sport Series
16.00"	13	3	4500-7000	1-28	48- <b>78114A45</b>	Black Max		Sport Series
16.00"	11	3	7000+	1-25	48- <b>78112A45</b>	Black Max		Sport Series

### 115 CT HP FourStroke - Tri / Pontoon

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.38:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
13.50"	22	3	2000-2800	35-47	48-8M0151245	Enertia		Comp Series
13.80"	21	3	2100-3100	32-45	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.75"	20	3	2300-3500	29-42	48-8M0151241	Enertia		Comp Series
14.00"	19	3	2400-3700	27-40	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.20"	18	3	2600-4300	24-37	48-8M0151237	Enertia		Comp Series
14.50"	17	3	2800-5000	21-35	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.70"	16	3	3100-5600	19-32	48-8M0151233	Enertia		Comp Series
15.00"	15	3	3500-6700	16-29	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.30"	14	3	3900-7800	14-26	48-8M0151229	Enertia	48-8M0151228	Comp Series
15.60"	13	3	4300-10300	11-24	48-8M0151227	Enertia	48-8M0151226	Comp Series
16.00"	11	3	7000+	1-18	48-8M0151225	Enertia	48-8M0151224	Comp Series
14.00"	23	4	1900-2600	38-49	48-8M0084497	SpitFire		Elite Series
14.00"	21	4	2100-3100	32-45	48-8M0084496	SpitFire		Elite Series
14.00"	19	4	2400-3700	27-40	48-8M0084495	SpitFire		Elite Series
14.00"	17	4	2800-5000	21-35	48-8M0084494	SpitFire		Elite Series
14.00"	14	4	3900-7800	14-26	48-8M0084493	SpitFire		Elite Series
14.00"	12	4	7000+	1-24	48-8M0084491	SpitFire		Elite Series
14.50"	19	3	2400-3700	27-40	48-832830A45	Black Max		Sport Series
15.00"	17	3	2800-5000	21-35	48-832828A45	Black Max		Sport Series
15.25"	15	3	3500-6700	16-29	48- <b>78116A45</b>	Black Max		Sport Series
16.00"	13	3	4300-10300	11-24	48- <b>78114A45</b>	Black Max		Sport Series
16.00"	12	3	5000+	9-21	48- <b>16436A45</b>	Black Max		Sport Series
16.00"	11	3	7000+	1-18	48- <b>78112A45</b>	Black Max		Sport Series

#### 115 STD HP FourStroke - Tri / Pontoon

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1800-2400	40-52	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	2000-2900	34-47	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	2300-3600	28-41	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2800-4700	22-35	48- <b>8M0151361</b>	SpitFire X7	Elite Series
14.0"	13	4	3500-6700	16-29	48- <b>8M0151360</b>	SpitFire X7	Elite Series
13"	18	3	2200-3200	31-44	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	2500-4100	25-38	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2800-4700	22-35	48- <b>8M0151400</b>	Vengeance	Sport Series
13.38"	14	3	3100-5600	19-32	48- <b>8M0151399</b>	Vengeance	Sport Series
14"	12	3	3900-8500	13-26	48- <b>8M0151398</b>	Vengeance	Sport Series
12.8"	19	4	2000-2900	34-47	48- <b>8M8026600</b>	SpitFire	Elite Series
12.8"	17	4	2300-3600	28-41	48- <b>8M8026590</b>	SpitFire	Elite Series
12.8"	15	4	2800-4700	22-35	48- <b>8M8026580</b>	SpitFire	Elite Series
13.8"	13	4	3500-6700	16-29	48- <b>8M8026570</b>	SpitFire	Elite Series
13.8"	11	4	4500-11500	10-23	48- <b>8M8026560</b>	SpitFire	Elite Series
12.5"	23	3	1600-2100	45-57	48- <b>77350A45</b>	Black Max	Sport Series
12.75"	21	3	1800-2400	40-52	48- <b>77348A45</b>	Black Max	Sport Series
13"	19	3	2000-2900	34-47	48- <b>77346A45</b>	Black Max	Sport Series
13.25"	17	3	2300-3600	28-41	48- <b>77344A45</b>	Black Max	Sport Series
13.25"	16	3	2500-4100	25-38	48- <b>854360A45</b>	Black Max	Sport Series
13.75"	15	3	2800-4700	22-35	48- <b>77342A45</b>	Black Max	Sport Series
13.88"	14	3	3100-5600	19-32	48- <b>854352A45</b>	Black Max	Sport Series
14"	13	3	3500-6700	16-29	48- <b>77340A45</b>	Black Max	Sport Series
14"	11	3	4700+	1-23	48- <b>77338A45</b>	Black Max	Sport Series

#### 90 CT HP FourStroke - Tri / Pontoon

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.38:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
14.62"	23	3	1500-1900	38-49	48-8M0151384	Tempest Plus	Elite Series
14.62"	22	3	1600-2200	35-47	48- <b>8M0151383</b>	Tempest Plus	Elite Series
14.62"	21	3	1600-2400	32-45	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	1900-2900	27-40	48- <b>8M0151381</b>	Tempest Plus	Elite Series
14.62"	17	3	2200-3900	21-35	48- <b>8M0151380</b>	Tempest Plus	Elite Series
13.75"	21	3	1600-2400	32-45	48-8M0151408	Vengeance	Sport Series
14.00"	19	3	1900-2900	27-40	48- <b>8M0151407</b>	Vengeance	Sport Series
14.50"	17	3	2200-3900	21-35	48- <b>8M</b> 0151405	Vengeance	Sport Series
14.00"	23	4	1500-1900	38-49	48- <b>8M0084497</b>	SpitFire	Elite Series
14.00"	21	4	1600-2400	32-45	48-8M0084496	SpitFire	Elite Series
14.00"	19	4	1900-2900	27-40	48-8M0084495	SpitFire	Elite Series
14.00"	17	4	2200-3900	21-35	48-8M0084494	SpitFire	Elite Series
14.00"	23	3	1500-1900	38-49	48- <b>832834A45</b>	Black Max	Sport Series
14.25"	21	3	1600-2400	32-45	48- <b>832832A45</b>	Black Max	Sport Series
14.50"	19	3	1900-2900	27-40	48-832830A45	Black Max	Sport Series
15.00"	17	3	2200-3900	21-35	48-832828A45	Black Max	Sport Series
15.25"	15	3	2700-5300	16-29	48- <b>78116A45</b>	Black Max	Sport Series

#### 90 STD HP FourStroke - Tri / Pontoon

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

D: /	D' I	N (B) I	D (W:1)	D (0 )	DIL D. (N. I	B	D ( 0 )
Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1400-1900	40-52	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	1600-2300	34-47	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	1800-2800	28-41	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2200-3700	22-35	48-8M0151361	SpitFire X7	Elite Series
14.00"	13	4	2700-5300	16-29	48-8M0151360	SpitFire X7	Elite Series
13"	18	3	1700-2500	31-44	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	2000-3200	25-38	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2200-3700	22-35	48-8M0151400	Vengeance	Sport Series
13.38"	14	3	2400-4400	19-32	48-8M0151399	Vengeance	Sport Series
14"	12	3	2700-5300	13-26	48-8M0151398	Vengeance	Sport Series
12.8"	19	4	1600-2300	34-47	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	1800-2800	28-41	48- <b>8M8026590</b>	SpitFire	Elite Series
12.8"	15	4	2200-3700	22-35	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	2700-5300	16-29	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	4000+	10-23	48-8M8026560	SpitFire	Elite Series
12.5"	23	3	1300-1600	45-57	48- <b>77350A45</b>	Black Max	Sport Series
12.75"	21	3	1400-1900	40-52	48- <b>77348A45</b>	Black Max	Sport Series
13"	19	3	1600-2300	34-47	48- <b>77346A45</b>	Black Max	Sport Series
13.25"	17	3	1800-2800	28-41	48- 77344A45	Black Max	Sport Series
13.25"	16	3	2000-3200	25-38	48-854360A45	Black Max	Sport Series
13.75"	15	3	2200-3700	22-35	48- 77342A45	Black Max	Sport Series
13.88"	14	3	2400-4400	19-32	48-854352A45	Black Max	Sport Series
14"	13	3	2700-5300	16-29	48- 77340A45	Black Max	Sport Series
14"	11	3	4000+	1-22	48- <b>77338A45</b>	Black Max	Sport Series

### 75 STD HP FourStroke - Tri / Pontoon

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1300-1900	34-47	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	1500-2300	29-42	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	1700-2900	23-37	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2100-3900	18-31	48-8M0151361	SpitFire X7	Elite Series
14.0"	13	4	2500-6100	12-26	48-8M0151360	SpitFire X7	Elite Series
13"	18	3	1600-2500	26-40	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	1900-3400	20-34	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2100-3900	18-31	48-8M0151400	Vengeance	Sport Series
13.38"	14	3	2300-4700	15-28	48-8M0151399	Vengeance	Sport Series
14"	12	3	2900-7500	10-23	48-8M0151398	Vengeance	Sport Series
12.8"	19	4	1500-2300	29-42	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	1700-2900	23-37	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2100-3900	18-31	48-8M8026580	SpitFire	Elite Series
13.75"	13	4	2500-6100	12-26	48-8M8026570	SpitFire	Elite Series
13.75"	11	4	3800+	1-20	48-8M8026560	SpitFire	Elite Series
13.75"	10	4	4200+	1-18	48-8M8026555	SpitFire	Elite Series
12.5"	23	3	1200-1600	39-52	48- <b>77350A45</b>	Black Max	Sport Series
12.75"	21	3	1300-1900	34-47	48- <b>77348A45</b>	Black Max	Sport Series
13"	19	3	1500-2300	29-42	48- <b>77346A45</b>	Black Max	Sport Series
13.25"	17	3	1700-2900	23-37	48- <b>77344A45</b>	Black Max	Sport Series
13.25"	16	3	1900-3400	20-34	48-854360A45	Black Max	Sport Series
13.75"	15	3	2100-3900	18-31	48- <b>77342A45</b>	Black Max	Sport Series
13.88"	14	3	2300-4700	15-28	48-854352A45	Black Max	Sport Series
14.00"	13	3	2500-6100	12-26	48- <b>77340A45</b>	Black Max	Sport Series
14.00"	11	3	3800+	1-20	48- <b>77338A45</b>	Black Max	Sport Series
14.00"	10	3	4200+	1-18	48-854342A45	Black Max	Sport Series

#### 60 CT HP FourStroke - Tri / Pontoon

Engine RPM Range: 5500-6000 Gearcase Ratio: 2.33:1

Diameter	Pitch	No of Blades	<b>Boat Weight</b>	Boat Speed	RH Part Number	Propeller Name	Performance Series
13.0"	17	4	1400-1800	34-38	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	1700-2300	28-34	48-8M0151361	SpitFire X7	Elite Series
14.0"	13	4	2000-3300	23-30	48-8M0151360	SpitFire X7	Elite Series
12.8"	17	4	1400-1800	34-38	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	1700-2300	28-34	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	2000-3300	23-30	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	2700-5400	18-25	48-8M8026560	SpitFire	Elite Series
13.25"	17	3	1400-1800	34-38	48- <b>77344A45</b>	Black Max	Sport Series
13.25"	16	3	1500-2000	30-36	48-854360A45	Black Max	Sport Series
13.75"	15	3	1700-2300	28-34	48- <b>77342A4</b> 5	Black Max	Sport Series
13.88"	14	3	1800-2700	26-32	48- <b>854352A45</b>	Black Max	Sport Series
14"	13	3	2000-3300	23-30	48- 77340A45	Black Max	Sport Series
14"	11	3	2700-5400	18-25	48- 77338A45	Black Max	Sport Series
14"	10	3	3500+	1-18	48- <b>854342A45</b>	Black Max	Sport Series
14"	9	3	4000+	1-15	48- <b>854340A45</b>	Black Max	Sport Series

#### 60 STD HP FourStroke - Tri / Pontoon

Engine RPM Range: 5500-6000 Gearcase ratio: 2.33:1

Diameter	Pitch	No. of Blades	<b>Boat Weight</b>	Boat Speed	RH - Part Number	Description	Performance Category
10.25	15	3	1200-1600	15-33	48-855862A46	Vengeance	Sport Series
10.4	14	3	1300-1700	16-30	48- <b>855860A46</b>	Vengeance	Sport Series
10.5	13	3	1500-2000	17-26	48- <b>855858A46</b>	Vengeance	Sport Series
11.0	12	3	1700-2500	19-22	48- <b>855856A46</b>	Vengeance	Sport Series
11.6	11	3	2000-3100	18-21	48- <b>823478A46</b>	Vengeance	Sport Series
10.1	15	4	1200-1600	15-33	48-8M8026640	SpitFire	Elite Series
10.1	14	4	1300-1700	16-30	48- <b>8M8026635</b>	SpitFire	Elite Series
10.3	13	4	1500-2000	17-26	48- <b>8M8026630</b>	SpitFire	Elite Series
10.6	12	4	1700-2500	19-22	48- <b>8M8026625</b>	SpitFire	Elite Series
10	17	3	1000-1300	13-40	48- <b>73144A45</b>	Black Max	Sport Series
10	16	3	1100-1400	14-37	48- <b>73142A45</b>	Black Max	Sport Series
10.1	15	3	1200-1600	15-33	48- <b>73140A45</b>	Black Max	Sport Series
10.25	14	3	1300-1700	16-30	48- <b>73138A45</b>	Black Max	Sport Series
10.4	13	3	1500-2000	17-26	48- <b>73136A45</b>	Black Max	Sport Series
10.7	12	3	1700-2500	19-22	48- <b>73134A45</b>	Black Max	Sport Series
10.9	11	3	2000-3100	18-21	48- <b>85632A45</b>	Black Max	Sport Series
11.25	10	3	2100-3500	16-22	48- <b>73132A45</b>	Black Max	Sport Series

#### 50 CT HP FourStroke - Tri / Pontoon

Engine RPM Range: 5500-6000 Gearcase Ratio: 2.33:1

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Series
13.5"	15	4	1400-2000	28-34	48-8M0151361	SpitFire X7	Elite Series
14.0"	13	4	1700-2700	23-30	48-8M0151360	SpitFire X7	Elite Series
13.1"	16	3	1400-2000	28-34	48-8M0151401	Vengeance	Sport Series
13.4"	14	3	1500-2300	26-32	48-8M0151399	Vengeance	Sport Series
14.0"	12	3	2000-4000	1-23	48-8M0151398	Vengeance	Sport Series
14.0"	10	3	3000-5000	1-18	48-8M0151397	Vengeance	Sport Series
12.8"	15	4	1400-2000	28-34	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	1700-2700	23-30	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	2300-4500	18-25	48-8M8026560	SpitFire	Elite Series
14.0"	10	4	3000-5000	1-18	48-8M8026555	SpitFire	Elite Series
13.25"	16	3	1300-1700	30-36	48-854360A45	Black Max	Sport Series
13.75"	15	3	1400-2000	28-34	48- <b>77342A45</b>	Black Max	Sport Series
13.88"	14	3	1500-2300	26-32	48-854352A45	Black Max	Sport Series
14.0"	13	3	1700-2700	23-30	48- <b>77340A45</b>	Black Max	Sport Series
14.0"	11	3	2300-4500	18-25	48- <b>77338A45</b>	Black Max	Sport Series
14.0"	10	3	3000-5000	1-18	48- <b>854342A45</b>	Black Max	Sport Series
14.0"	9	3	4000+	1+	48- <b>854340A45</b>	Black Max	Sport Series

### 50 STD HP FourStroke - Tri / Pontoon

Engine RPM Range: 5500-6000 Gearcase Ratio: 1.83:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
10.25	15	3	1000-1300	33-41	48-855862A46	Vengeance	Sport Series
10.4	14	3	1100-1400	30-38	48- <b>855860A46</b>	Vengeance	Sport Series
10.5	13	3	1300-1700	26-34	48- <b>855858A46</b>	Vengeance	Sport Series
11	12	3	1400-2100	22-31	48-855856A46	Vengeance	Sport Series
11.6	11	3	1600-2600	18-27	48- <b>823478A46</b>	Vengeance	Sport Series
10.1	15	4	1000-1300	33-41	48- <b>8M8026640</b>	SpitFire	Elite Series
10.1	14	4	1100-1400	30-38	48- <b>8M8026635</b>	SpitFire	Elite Series
10.3	13	4	1300-1700	26-34	48- <b>8M8026630</b>	SpitFire	Elite Series
10.6	12	4	1400-2100	22-31	48- <b>8M8026625</b>	SpitFire	Elite Series

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
10	17	3	900-1000	40-47	48- <b>73144A45</b>	Black Max	Sport Series
10	16	3	900-1100	37-44	48- <b>73142A45</b>	Black Max	Sport Series
10.1	15	3	1000-1300	33-41	48- <b>73140A45</b>	Black Max	Sport Series
10.25	14	3	1100-1400	30-38	48- <b>73138A45</b>	Black Max	Sport Series
10.4	13	3	1300-1700	26-34	48- <b>73136A45</b>	Black Max	Sport Series
10.6	12	3	1400-2100	22-31	48- <b>73134A45</b>	Black Max	Sport Series
10.8	11	3	1600-2600	18-27	48- <b>85632A45</b>	Black Max	Sport Series
12	10.5	3	1800-2900	16-25	48- <b>42740A45</b>	Black Max	Sport Series
11.25	10	3	1900-3400	14-24	48- <b>73132A45</b>	Black Max	Sport Series
12.25	9	3	2300-4500	11-20	48- <b>87818A45</b>	Black Max	Sport Series
12.5	8	3	2900-7400	7-16	48- <b>42738A45</b>	Black Max	Sport Series

### 40 CT HP FourStroke - Tri / Pontoon

Engine RPM Range: 5500-6000 Gearcase Ratio: 2.33:1

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Series
13.5"	15	4	1100-1600	28-34	48-8M0151361	SpitFire X7	Elite Series
14.0"	13	4	1400-2200	23-30	48-8M0151360	SpitFire X7	Elite Series
13.4"	14	3	1200-1800	26-32	48-8M0151399	Vengeance	Sport Series
14.0"	12	3	1600-2800	20-27	48-8M0151398	Vengeance	Sport Series
14.0"	10	3	2000+	1-18	48-8M0151397	Vengeance	Sport Series
12.8"	15	4	1100-1600	28-34	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	1400-2200	23-30	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	1800-3600	18-25	48-8M8026560	SpitFire	Elite Series
14.0"	10	4	2000+	1-18	48-8M8026555	SpitFire	Elite Series
13.75"	15	3	1100-1600	28-34	48- 77342A45	Black Max	Sport Series
13.88"	14	3	1200-1800	26-32	48-854352A45	Black Max	Sport Series
14.0"	13	3	1400-2200	23-30	48- 77340A45	Black Max	Sport Series
14.0"	11	3	1800-3600	18-25	48- 77338A45	Black Max	Sport Series
14.0"	10	3	2000+	1-18	48-854342A45	Black Max	Sport Series
14.0"	9	3	3000+	1+	48-854340A45	Black Max	Sport Series

#### 40 STD HP FourStroke - Tri / Pontoon

Engine RPM Range: 5500-6000 Gearcase Ratio: 2.00:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
10.25	15	3	900-1200	29-37	48-855862A46	Vengeance	Sport Series
10.4	14	3	1000-1400	25-34	48-855860A46	Vengeance	Sport Series
10.5	13	3	1200-1600	22-30	48-855858A46	Vengeance	Sport Series
11	12	3	1300-2100	18-27	48-855856A46	Vengeance	Sport Series
11.6	11	3	1500-2500	15-24	48- <b>823478A46</b>	Vengeance	Sport Series
10.1	15	4	900-1200	29-37	48-8M8026640	SpitFire	Elite Series
10.1	14	4	1000-1400	25-34	48-8M8026635	SpitFire	Elite Series
10.3	13	4	1200-1600	22-30	48-8M8026630	SpitFire	Elite Series
10.6	12	4	1300-2100	18-27	48-8M8026625	SpitFire	Elite Series
10	17	3	800-1000	35-43	48- <b>73144A45</b>	Black Max	Sport Series
10	16	3	800-1100	32-40	48- <b>73142A45</b>	Black Max	Sport Series
10.1	15	3	900-1200	29-37	48- <b>73140A45</b>	Black Max	Sport Series
10.25	14	3	1000-1400	25-34	48- <b>73138A45</b>	Black Max	Sport Series
10.4	13	3	1200-1600	22-30	48- <b>73136A45</b>	Black Max	Sport Series
10.6	12	3	1300-2100	18-27	48- <b>73134A45</b>	Black Max	Sport Series
10.8	11	3	1500-2500	15-24	48- <b>85632A45</b>	Black Max	Sport Series
12	10.5	3	1600-3000	13-22	48- <b>42740A45</b>	Black Max	Sport Series
11.25	10	3	1800-3600	11-20	48- <b>73132A45</b>	Black Max	Sport Series
12.25	9	3	2200-5100	8-17	48- <b>87818A45</b>	Black Max	Sport Series

Diameter	Pitch	No. of Blades	<b>Boat Weight</b>	Boat Speed	RH - Part Number	Description	Performance Category
12.5	8	3	2700-8700	5-14	48- <b>42738A45</b>	Black Max	Sport Series

# BASS: 115 - 250 HP

#### 250 Pro XS - 2 Stroke - Bass

Engine RPM Range: 5500-6000 Gearcase Ratio: 1.75:1

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Category
14.00"	27	3	Up to 2600	75-83	48-8M0151275	Fury	Comp
14.00"	26	3	Up to 2700	71-79	48-8M0125098	Fury with FT SSR HD	Comp
14.00"	25	3	2400-2900	64-75	48-8M0125097	Fury with FT SSR HD	Comp
14.00"	24	3	2500-3000	62-75	48-8M0125096	Fury with FT SSR HD	Comp
14.00"	23	3	2600-3100	60-68	48-8M0125095	Fury with FT SSR HD	Comp
14.50"	26	4	Up to 2700	71-79	48-8M0125102	Fury 4 with FT SSR HD	Comp
14.50"	25	4	2400-2900	64-75	48-8M0125101	Fury 4 with FT SSR HD	Comp
14.50"	24	4	2500-3000	62-72	48-8M0125100	Fury 4 with FT SSR HD	Comp
14.62"	27	3	Up to 2600	75-83	48-8M0151388	Tempest	Elite
14.62"	26	3	Up to 2700	71-79	48-8M0151387	Tempest	Elite
14.62"	25	3	Up to 2800	67-75	48-8M0151386	Tempest	Elite
14.62"	24	3	2700-3000	65-72	48- <b>8M</b> 0151385	Tempest	Elite
14.62"	23	3	2900-3200	62-68	48- <b>8M0151384</b>	Tempest	Elite

#### 225 Pro XS - 2 Stroke - Bass

Engine RPM Range: 5500-6000 Gearcase Ratio: 1.75:1

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Category
14.00"	27	3	Up to 2600	67-80	48-8M0151275	Fury	Comp
14.00"	26	3	Up to 2700	65-77	48-8M0125098	Fury with FT SSR HD	Comp
14.00"	25	3	2400-2900	62-73	48- <b>8M0125097</b>	Fury with FT SSR HD	Comp
14.00"	24	3	2500-3000	60-73	48-8M0125096	Fury with FT SSR HD	Comp
14.00"	23	3	2600-3100	58-68	48-8M0125095	Fury with FT SSR HD	Comp
14.50"	26	4	Up to 2700	65-77	48-8M0125102	Fury 4 with FT SSR HD	Comp
14.50"	25	4	2400-2900	62-73	48-8M0125101	Fury 4 with FT SSR HD	Comp
14.50"	24	4	2500-3000	60-70	48-8M0125100	Fury 4 with FT SSR HD	Comp
14.62"	27	3	Up to 2600	67-80	48- <b>8M0151388</b>	Tempest	Elite
14.62"	26	3	Up to 2700	65-77	48-8M0151387	Tempest	Elite
14.62"	25	3	2400-2900	62-73	48-8M0151386	Tempest	Elite
14.62"	24	3	2500-3000	60-70	48-8M0151385	Tempest	Elite
14.62"	23	3	2600-3200	57-67	48-8M0151384	Tempest	Elite

#### 200 Pro XS - 2 Stroke - Bass

Engine RPM Range: 5250-5750 Gearcase Ratio: 1.75:1

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Category
14.00"	27	3	Up to 2200	70-78	48-8M0151275	Fury	Comp
14.00"	26	3	2100-2300	67-75	48-8M0151274	Fury	Comp
14.00"	25	3	2200-2500	64-72	48-8M0151273	Fury	Comp
14.00"	24	3	2300-2600	62-68	48-8M0151272	Fury	Comp
14.00"	23	3	2400-2700	59-65	48-8M0151271	Fury	Comp
14.50"	26	4	2100-2300	67-75	48-8M0151281	Fury 4	Comp
14.50"	25	4	2200-2500	64-72	48-8M0151280	Fury 4	Comp
14.50"	24	4	2300-2600	62-68	48-8M0151279	Fury 4	Comp
14.62"	27	3	Up to 2200	70-78	48- <b>8M0151388</b>	Tempest	Elite

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Category
14.62"	26	3	2100-2300	67-75	48-8M0151387	Tempest	Elite
14.62"	25	3	2200-2500	64-72	48-8M0151386	Tempest	Elite
14.62"	24	3	2300-2600	62-68	48-8M0151385	Tempest	Elite
14.62"	23	3	2400-2700	59-65	48-8M0151384	Tempest	Elite
14.62"	22	3	2600-2900	56-62	48-8M0151383	Tempest	Elite

### 175 Pro XS - 2 Stroke - Bass

Engine RPM Range: 5500-6000 Gearcase Ratio: 1.87:1

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Category
14.00"	27	3	Up to 2000	68-76	48-8M0151275	Fury	Comp
14.00"	26	3	1900-2100	66-73	48-8M0151274	Fury	Comp
14.00"	25	3	1900-2200	63-70	48-8M0151273	Fury	Comp
14.00"	24	3	2000-2300	60-67	48-8M0151272	Fury	Comp
14.00"	23	3	2100-2400	55-62	48-8M0151271	Fury	Comp
14.50"	26	4	1900-2100	66-73	48-8M0151281	Fury 4	Comp
14.50"	25	4	1900-2200	63-70	48-8M0151280	Fury 4	Comp
14.50"	24	4	2000-2300	60-67	48-8M0151279	Fury 4	Comp
14.62"	27	3	Up to 2000	68-76	48-8M0151388	Tempest	Elite
14.62"	26	3	1900-2100	66-73	48-8M0151387	Tempest	Elite
14.62"	25	3	1900-2200	63-70	48-8M0151386	Tempest	Elite
14.62"	24	3	2000-2300	60-67	48-8M0151385	Tempest	Elite
14.62"	23	3	2200-2400	58-64	48-8M0151384	Tempest	Elite
14.62"	22	3	2300-2600	55-61	48-8M0151383	Tempest	Elite

#### 150 HP FourStroke - Bass

Engine RPM Range: 5000-5800 Gearcase Ratio: 1.92:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
14.00"	25	3	1800-2200	55-65	48-8M0151273	Fury	Comp Series
14.00"	24	3	1900-2300	53-62	48-8M0151272	Fury	Comp Series
14.00"	23	3	2100-2500	50-60	48-8M0151271	Fury	Comp Series
14.5"	25	4	1800-2200	55-65	48-8M0151280	Fury 4	Comp Series
14.5"	24	4	1900-2300	53-62	48-8M0151279	Fury 4	Comp Series
14.62"	25	3	1800-2200	55-65	48-8M0151386	Tempest Plus	Elite Series
14.62"	24	3	1900-2300	53-62	48-8M0151385	Tempest Plus	Elite Series
14.62"	23	3	2000-2400	50-60	48-8M0151384	Tempest Plus	Elite Series
14.62"	22	3	2100-2600	47-57	48-8M0151383	Tempest Plus	Elite Series
14.62"	21	3	2200-2800	44-54	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	2500-3200	39-49	48-8M0151381	Tempest Plus	Elite Series
14.62"	17	3	2900-4000	32-43	48-8M0151380	Tempest Plus	Elite Series

### 115 CT Pro XS FourStroke - Bass

Engine RPM Range: 5300-6300 Gearcase Ratio: 2.38:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
14.0"	25	3	1700-2100	46-57	48-8M0151273	Fury	Comp Series
14.0"	24	3	1800-2300	43-55	48-8M0151272	Fury	Comp Series
14.0"	23	3	1900-2500	40-53	48-8M0151271	Fury	Comp Series
14.5"	25	4	1700-2100	46-57	48-8M0151280	Fury 4	Comp Series
14.5"	24	4	1800-2300	43-55	48-8M0151279	Fury 4	Comp Series
14.62"	25	3	1700-2100	46-57	48- <b>8M0151386</b>	Tempest Plus	Elite Series
14.62"	24	3	1800-2300	43-55	48-8M0151385	Tempest Plus	Elite Series
14.62"	23	3	1900-2400	41-52	48-8M0151384	Tempest Plus	Elite Series
14.62"	22	3	2000-2700	38-50	48- <b>8M0151383</b>	Tempest Plus	Elite Series

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
14.62"	21	3	2100-2900	35-47	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	2400-3500	30-42	48-8M0151381	Tempest Plus	Elite Series
14.62"	17	3	2700-4500	24-37	48-8M0151380	Tempest Plus	Elite Series
14.00"	23	4	1900-2400	41-52	48- <b>8M0084497</b>	SpitFire	Elite Series
14.00"	21	4	2100-2900	35-47	48- <b>8M0084496</b>	SpitFire	Elite Series
14.00"	19	4	2400-3500	30-42	48- <b>8M0084495</b>	SpitFire	Elite Series
14.00"	17	4	2700-4500	24-37	48- <b>8M0084494</b>	SpitFire	Elite Series
14.50"	23	3	1900-2400	41-52	48- <b>832834A45</b>	Black Max	Sport Series
15.00"	21	3	2100-2900	35-47	48- <b>832832A45</b>	Black Max	Sport Series
14.50"	19	3	2400-3500	30-42	48- <b>832830A45</b>	Black Max	Sport Series
15.00"	17	3	2700-4500	24-37	48- <b>832828A45</b>	Black Max	Sport Series

#### 115 STD Pro XS FourStroke - Bass

Engine RPM Range: 5300-6300 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1800-2300	43-55	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	2000-2700	38-49	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	2300-3300	31-44	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2700-4300	25-37	48-8M0151361	SpitFire X7	Elite Series
13"	18	3	2100-2900	35-46	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	2400-3800	28-41	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2700-4300	25-37	48-8M0151400	Vengeance	Sport Series
12.8"	19	4	2000-2700	38-49	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	2300-3300	31-44	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2700-4300	25-37	48-8M8026580	SpitFire	Elite Series
12.5"	23	3	1600-2000	49-60	48- 77350A45	Black Max	Sport Series
12.75"	21	3	1800-2300	43-55	48- 77348A45	Black Max	Sport Series
13"	19	3	2000-2700	38-49	48- 77346A45	Black Max	Sport Series
13.25"	17	3	2300-3300	31-44	48- <b>77344A45</b>	Black Max	Sport Series
13.25"	16	3	2400-3800	28-41	48-854360A45	Black Max	Sport Series

### 115 CT HP FourStroke - Bass

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.38:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
14.0"	24	3	1600-2300	38-49	48-8M0151272	Fury	Comp Series
14.0"	23	3	1900-2600	36-45	48-8M0151271	Fury	Comp Series
14.5"	24	4	1600-2300	38-49	48-8M0151279	Fury 4	Comp Series
14.62"	24	3	1600-2300	38-49	48-8M0151385	Tempest Plus	Elite Series
14.62"	23	3	1900-2600	38-49	48-8M0151384	Tempest Plus	Elite Series
14.62"	22	3	2000-2800	35-47	48-8M0151383	Tempest Plus	Elite Series
14.62"	21	3	2100-3100	32-45	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	2400-3700	27-40	48-8M0151381	Tempest Plus	Elite Series
14.62"	17	3	2800-5000	21-35	48-8M0151380	Tempest Plus	Elite Series
14.00"	23	4	1900-2600	38-49	48-8M0084497	SpitFire	Elite Series
14.00"	21	4	2100-3100	32-45	48-8M0084496	SpitFire	Elite Series
14.00"	19	4	2400-3700	27-40	48-8M0084495	SpitFire	Elite Series
14.00"	17	4	2800-5000	21-35	48-8M0084494	SpitFire	Elite Series
14.50"	23	3	1900-2600	27-40	48-832834A45	Black Max	Sport Series
15.00"	21	3	2100-3100	21-35	48-832832A45	Black Max	Sport Series
14.50"	19	3	2400-3700	27-40	48-832830A45	Black Max	Sport Series
15.00"	17	3	2800-5000	21-35	48-832828A45	Black Max	Sport Series

#### 115 STD HP FourStroke - Bass

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1800-2400	40-52	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	2000-2900	34-47	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	2300-3600	28-41	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2800-4700	22-35	48-8M0151361	SpitFire X7	Elite Series
13"	18	3	2200-3200	31-44	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	2500-4100	25-38	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2800-4700	22-35	48-8M0151400	Vengeance	Sport Series
12.8"	19	4	2000-2900	34-47	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	2300-3600	28-41	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2800-4700	22-35	48-8M8026580	SpitFire	Elite Series
12.5"	23	3	1600-2100	45-57	48- <b>77350A45</b>	Black Max	Sport Series
12.75"	21	3	1800-2400	40-52	48- <b>77348A45</b>	Black Max	Sport Series
13"	19	3	2000-2900	34-47	48- <b>77346A45</b>	Black Max	Sport Series
13.25"	17	3	2300-3600	28-41	48- <b>77344A45</b>	Black Max	Sport Series
13.25"	16	3	2500-4100	25-38	48- <b>854360A45</b>	Black Max	Sport Series

## OFFSHORE / BAY / FLATS CENTER CONSOLE: 40 - 350 HP

### Verado 350 HP - Offshore / Bay / Flats Center Console (Single and Twin)

Engine RPM Range: 5800 - 6400 Gearcase Ratio 1.75:1

No. of Engine	Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH Part Number	Description	LH Part Number	Performan ce Category
Single	16.00"	23	3	3700-4200	65-74	48-8M0127053	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127052	Comp Series
Single	16.00"	22	3	3700-4200	62-71	48-8M0127051	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127050	Comp Series
Single	16.00"	21	3	4200-4700	59-66	48-8M0127049	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127048	Comp Series
Single	16.00"	20	3	4400-5000	55-63	48-8M0127047	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127046	Comp Series
Single	16.00"	19	3	4600-5300	53-60	48-8M0127045	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127044	Comp Series
Single	16.00"	18	3	8900-10400	65-74	48-8M0127043	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127042	Comp Series
Single	16.00"	17	3	5300-6300	46-53	48-8M0127041	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127040	Comp Series
Single	14.62"	25	4	3300-3800	71-81	48-8M0127039	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127038	Comp Series
Single	14.62"	23	4	3700-4200	65-75	48-8M0127037	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127036	Comp Series
Single	14.62"	21	4	4200-4700	59-66	48-8M0127035	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127034	Comp Series
Single	14.62"	20	4	4400-5000	55-63	48- <b>8M0127033</b>	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127032	Comp Series
Single	14.62"	19	4	4600-5300	53-60	48-8M0127031	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127030	Comp Series
Single	14.62"	18	4	5000-5750	49-55	48-8M0137924	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0137925	Comp Series
Single	14.62"	17	4	5300-6300	46-53	48-8M0127029	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127028	Comp Series
Single	14.62"	15	4	6300-7500	39-46	48-8M0127027	Revolution 4 w/ FLO-TORQ SSR HD	48- <b>8M</b> 0127026	Comp Series

No. of Engine	Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH Part Number	Description	LH Part Number	Performan ce Category
Single	14.38"	27	3	3000-3500	78-88	48- <b>18280A46</b>	Mirage Plus	48- 18281A46	Elite Series
Single	14.50"	25	3	3300-3800	71-81	48- <b>13706A46</b>	Mirage Plus	N/A	Elite Series
Single	14.63"	23	3	3700-4200	65-74	48-8M0151312	Mirage Plus	48-8M0151311	Elite Series
Single	14.75"	21	3	4200-4700	59-66	48- <b>8M</b> 0151310	Mirage Plus	48-8M0151309	Elite Series
Single	15.25"	19	3	4600-5300	53-60	48-8M0151308	Mirage Plus	48-8M0151307	Elite Series
Single	15.38"	18	3	5000-5700	50-56	48-889620A46	Mirage Plus	48-889619A46	Elite Series
Single	15.5"	17	3	5300-6300	46-53	48-8M0151304	Mirage Plus	48- <b>8M</b> 0151303	Elite Series
Single	15.75"	15	3	6300-7500	39-46	48-8M0151302	Mirage Plus	48-8M0151301	Elite Series
Single	14.62"	25	4	3300-3800	71-81	48-8M0151329	Revolution 4	48-8M0151328	Comp Series
Single	14.62"	23	4	3700-4200	65-74	48-8M0151327	Revolution 4	48-8M0151326	Comp Series
Twin	16.00"	23	3	5800-7200	65-74	48-8M0127053	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127052	Comp Series
Twin	16.00"	22	3	5800-7200	65-74	48-8M0127051	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127050	Comp Series
Twin	16.00"	21	3	7000-8300	59-66	48-8M0127049	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127048	Comp Series
Twin	16.00"	20	3	7500-8900	56-63	48-8M0127047	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127046	Comp Series
Twin	16.00"	19	3	8100-9600	53-60	48-8M0127045	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127044	Comp Series
Twin	16.00"	18	3	8900-10400	65-74	48-8M0127043	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127042	Comp Series
Twin	16.00"	17	3	9600-12200	46-53	48-8M0127041	Enertia ECO w/ FLO-TORQ SSR HD	48-8M0127040	Comp Series
Twin	14.62"	25	4	5000-6300	71-81	48-8M0127039	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127038	Comp Series
Twin	14.62"	23	4	5800-7200	65-74	48-8M0127037	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127036	Comp Series
Twin	14.62"	21	4	7000-8300	59-66	48-8M0127035	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127034	Comp Series
Twin	14.62"	20	4	7500-8900	56-63	48-8M0127033	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127032	Comp Series
Twin	14.62"	19	4	8100-9600	53-60	48- <b>8M0127031</b>	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127030	Comp Series
Twin	14.62"	18	4	8900-11200	49-56	48-8M0137924	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0137925	Comp Series
Twin	14.62"	17	4	9600-12200	46-53	48-8M0127029	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127028	Comp Series
Twin	14.62"	15	4	11600-15300	39-46	48- <b>8M</b> 0127027	Revolution 4 w/ FLO-TORQ SSR HD	48-8M0127026	Comp Series
Twin	14.38"	27	3	4300-5300	78-88	48- <b>18280A46</b>	Mirage Plus	48- 18281A46	Elite Series
Twin	14.50"	25	3	5000-6300	71-81	48- <b>13706A46</b>	Mirage Plus	48- <b>13707A46</b>	Elite Series
Twin	14.63"	23	3	5800-7200	65-74	48-8M0151312	Mirage Plus	48- <b>8M0151311</b>	Elite Series
Twin	14.75"	21	3	7000-8300	59-66	48-8M0151310	Mirage Plus	48- <b>8M</b> 0151309	Elite Series
Twin	15.25"	19	3	8100-9600	53-60	48-8M0151308	Mirage Plus	48- <b>8M</b> 0151307	Elite Series
Twin	15.38"	18	3	8900-10400	50-56	48-889620A46	Mirage Plus	48-889619A46	Elite Series
Twin	15.5"	17	3	9600-12200	46-53	48-8M0151304	Mirage Plus	48-8M0151303	Elite Series

No. of Engine	Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH Part Number	Description	LH Part Number	Performan ce Category
Twin	15.75"	15	3	11600-15300	39-46	48-8M0151302	Mirage Plus	48-8M0151301	Elite Series

## Verado 300 HP - Offshore / Bay / Flats Center Console (Single)

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.75:1 and 1.85:1

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Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
16.00"	23	3	3100-3600	65-74	48-8M0151263	Enertia ECO	48-8M0151262	Comp Series
16.00"	22	3	3300-3800	62-70	48-8M0151261	Enertia ECO	48-8M0151260	Comp Series
16.00"	21	3	3600-4100	59-66	48-8M0151259	Enertia ECO	48-8M0151258	Comp Series
16.00"	20	3	3800-4300	56-63	48-8M0151257	Enertia ECO	48-8M0151256	Comp Series
16.00"	19	3	4000-4600	53-60	48-8M0151255	Enertia ECO	48-8M0151254	Comp Series
16.00"	18	3	4300-4900	50-56	48-8M0151253	Enertia ECO	48-8M0151252	Comp Series
16.00"	17	3	4600-5400	46-53	48-8M0151251	Enertia ECO	48-8M0151250	Comp Series
13.45"	22	3	3300-3800	62-70	48-8M0151245	Enertia		Comp Series
13.63"	21	3	3600-4100	59-66	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.80"	20	3	3800-4300	56-63	48-8M0151241	Enertia		Comp Series
14.00"	19	3	4000-4600	53-60	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.22"	18	3	4300-4900	50-56	48-8M0151237	Enertia		Comp Series
14.45"	17	3	4600-5400	46-53	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.72"	16	3	4900-5800	43-50	48-8M0151233	Enertia		Comp Series
15.00"	15	3	5400-6500	39-46	48-8M0151231	Enertia	48-8M0151230	Comp Series
14.62"	25	4	2800-3300	71-81	48-8M0151329	Revolution 4	48-8M0151328	Comp Series
14.62"	23	4	3100-3600	65-74	48-8M0151327	Revolution 4	48-8M0151326	Comp Series
14.62"	21	4	3600-4100	59-66	48-8M0151325	Revolution 4	48-8M0151324	Comp Series
14.62"	20	4	3800-4300	56-63	48-8M0151323	Revolution 4	48-8M0151322	Comp Series
14.62"	19	4	4000-4600	53-60	48-8M0151321	Revolution 4	48-8M0151320	Comp Series
14.62"	18	4	4300-4900	49-56	48-8M0151319	Revolution 4	48-8M0151318	Comp Series
14.62"	17	4	4600-5400	46-53	48-8M0151317	Revolution 4	48-8M0151316	Comp Series
14.62"	15	4	5400-6500	39-46	48-8M0151315	Revolution 4	48-8M0151314	Comp Series
14.50"	25	3	2800-3300	71-81	48- 13706A46	Mirage Plus	N/A	Elite Series
14.63"	23	3	3100-3600	65-74	48-8M0151312	Mirage Plus	48-8M0151311	Elite Series
14.75"	21	3	3600-4100	59-66	48-8M0151310	Mirage Plus	48-8M0151309	Elite Series
15.25"	19	3	4000-4600	53-60	48-8M0151308	Mirage Plus	48-8M0151307	Elite Series
15.38"	18	3	4300-4900	50-56	48-889620A46	Mirage Plus	48-889619A46	Elite Series
15.5"	17	3	4600-5400	46-53	48-8M0151304	Mirage Plus	48-8M0151303	Elite Series
15.75"	15	3	5400-6500	39-46	48-8M0151302	Mirage Plus	48-8M0151301	Elite Series

### Verado 250 HP - Offshore / Bay / Flats Center Console (Single)

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
16"	23	3	2700-3100	63-71	48-8M0151263	Enertia ECO	48-8M0151262	Comp Series
16"	22	3	2900-3300	60-68	48- <b>8M0151261</b>	Enertia ECO	48-8M0151260	Comp Series
16"	21	3	3100-3500	57-64	48- <b>8M0151259</b>	Enertia ECO	48-8M0151258	Comp Series
16"	20	3	3250-3750	54-61	48- <b>8M0151257</b>	Enertia ECO	48-8M0151256	Comp Series
16"	19	3	3400-4000	51-58	48-8M0151255	Enertia ECO	48-8M0151254	Comp Series
16"	18	3	3650-4500	45-54	48-8M0151253	Enertia ECO	48-8M0151252	Comp Series
16"	17	3	3900-5000	39-49	48- <b>8M0151251</b>	Enertia ECO	48-8M0151250	Comp Series
13.45"	22	3	2900-3300	60-68	48-8M0151245	Enertia		Comp Series
13.63"	21	3	3100-3500	57-64	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.80"	20	3	3250-3750	54-61	48-8M0151241	Enertia		Comp Series
14.00"	19	3	3400-4000	51-58	48- <b>8M</b> 0151239	Enertia	48- <b>8M</b> 0151238	Comp Series

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
14.22"	18	3	3650-4500	45-54	48-8M0151237	Enertia		Comp Series
14.45"	17	3	3900-5000	39-49	48-8M0151235	Enertia	48-8M0151235	Comp Series
14.72"	16	3	4300-5500	37-47	48-8M0151233	Enertia		Comp Series
15.00"	15	3	4600-6000	35-45	48-8M0151231	Enertia	48-8M0151230	Comp Series
14.62"	25	4	2500-2800	69-78	48-8M0151329	Revolution 4	48-8M0151328	Comp Series
14.62"	23	4	2700-3100	63-71	48-8M0151327	Revolution 4	48-8M0151326	Comp Series
14.62"	21	4	3100-3500	57-64	48-8M0151325	Revolution 4	48-8M0151324	Comp Series
14.62"	20	4	3250-3750	54-61	48-8M0151323	Revolution 4	48-8M0151322	Comp Series
14.62"	19	4	3400-4000	51-58	48-8M0151321	Revolution 4	48-8M0151320	Comp Series
14.62"	18	4	3750-4500	45-54	48-8M0151319	Revolution 4	48-8M0151318	Comp Series
14.62"	17	4	3900-5000	39-49	48-8M0151317	Revolution 4	48-8M0151316	Comp Series
14.62"	15	4	4600-6000	35-45	48-8M0151315	Revolution 4	48-8M0151314	Comp Series
14.50"	25	3	2500-2800	69-78	48- <b>13706A46</b>	Mirage Plus	N/A	Elite Series
14.63"	23	3	2700-3100	63-71	48-8M0151312	Mirage Plus	48-8M0151311	Elite Series
14.75"	21	3	3100-3500	57-64	48-8M0151310	Mirage Plus	48-8M0151309	Elite Series
15.25"	19	3	3400-4000	51-58	48- <b>8M0151308</b>	Mirage Plus	48-8M0151307	Elite Series
15.5"	17	3	3900-5000	39-49	48-8M0151304	Mirage Plus	48-8M0151303	Elite Series
15.75"	15	3	4600-6000	35-45	48-8M0151302	Mirage Plus	48-8M0151301	Elite Series
16"	13	3	5500+	25-38	48-8M0151300	Mirage Plus		Elite Series

## Verado 225 HP - Offshore / Bay / Flats Center Console (Single)

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.85:1

Diameter	Pitch	No. of Blades	<b>Boat Weight</b>	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
16"	23	3	2500-2800	63-71	48-8M0151263	Enertia ECO	48-8M0151262	Comp Series
16"	22	3	2650-3000	60-68	48-8M0151261	Enertia ECO	48-8M0151260	Comp Series
16"	21	3	2800-3200	57-64	48-8M0151259	Enertia ECO	48-8M0151258	Comp Series
16"	20	3	2950-3400	54-61	48-8M0151257	Enertia ECO	48-8M0151256	Comp Series
16"	19	3	3100-3600	51-58	48-8M0151255	Enertia ECO	48-8M0151254	Comp Series
16"	18	3	3300-3850	48-55	48-8M0151253	Enertia ECO	48- <b>8M0151252</b>	Comp Series
16"	17	3	3500-4100	45-52	48-8M0151251	Enertia ECO	48- <b>8M0151250</b>	Comp Series
13.45"	22	3	2700-3100	60-68	48-8M0151245	Enertia		Comp Series
13.63"	21	3	2800-3200	57-64	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.80"	20	3	2950-3400	54-61	48-8M0151241	Enertia		Comp Series
14.00"	19	3	3100-3600	51-58	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.22"	18	3	3300-3850	48-55	48-8M0151237	Enertia		Comp Series
14.45"	17	3	3500-4100	45-52	48-8M0151235	Enertia	48-8M0151235	Comp Series
14.72"	16	3	3800-4800	40-49	48-8M0151233	Enertia		Comp Series
15.00"	15	3	4100-5500	35-45	48-8M0151231	Enertia	48-8M0151230	Comp Series
14.62"	25	4	2200-2500	69-78	48-8M0151329	Revolution 4	48-8M0151328	Comp Series
14.62"	23	4	2500-2800	63-71	48-8M0151327	Revolution 4	48-8M0151326	Comp Series
14.62"	21	4	2800-3200	57-64	48-8M0151325	Revolution 4	48-8M0151324	Comp Series
14.62"	20	4	2950-3400	54-61	48-8M0151323	Revolution 4	48-8M0151322	Comp Series
14.62"	19	4	3100-3600	51-58	48-8M0151321	Revolution 4	48-8M0151320	Comp Series
14.62"	18	4	3400-3850	48-55	48-8M0151319	Revolution 4	48-8M0151318	Comp Series
14.62"	17	4	3500-4100	45-52	48-8M0151317	Revolution 4	48-8M0151316	Comp Series
14.62"	15	4	4100-5500	35-45	48-8M0151315	Revolution 4	48-8M0151314	Comp Series
14.50"	25	3	2200-2500	69-78	48- <b>13706A46</b>	Mirage Plus	N/A	Elite Series
14.63"	23	3	2500-2800	63-71	48-8M0151312	Mirage Plus	48-8M0151311	Elite Series
14.75"	21	3	2800-3200	57-64	48-8M0151310	Mirage Plus	48-8M0151309	Elite Series
15.25"	19	3	3100-3600	51-58	48-8M0151308	Mirage Plus	48-8M0151307	Elite Series
15.5"	17	3	3500-4100	45-52	48-8M0151304	Mirage Plus	48-8M0151303	Elite Series
15.75"	15	3	4100-5500	35-45	48-8M0151302	Mirage Plus	48-8M0151301	Elite Series

## Verado 200 HP - 4Cyl - Offshore / Bay / Flats Center Console (Single)

Engine RPM Range: 5800-6400 Gearcase Ratio: 1.85:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
16.00"	23	3	2600-3000	54-61	48-8M0151263	Enertia ECO	48-8M0151262	Comp Series
16.00"	22	3	2800-3200	51-58	48-8M0151261	Enertia ECO	48-8M0151260	Comp Series
16.00"	21	3	2900-3300	49-55	48-8M0151259	Enertia ECO	48-8M0151258	Comp Series
16.00"	20	3	3000-3600	46-53	48-8M0151257	Enertia ECO	48-8M0151256	Comp Series
16.00"	19	3	3300-3900	43-50	48-8M0151255	Enertia ECO	48-8M0151254	Comp Series
16.00"	18	3	3500-4300	39-47	48-8M0151253	Enertia ECO	48-8M0151252	Comp Series
16.00"	17	3	3800-4700	36-44	48-8M0151251	Enertia ECO	48-8M0151250	Comp Series
13.45"	22	3	2800-3200	51-58	48-8M0151245	Enertia		Comp Series
13.63"	21	3	2900-3300	49-55	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.80"	20	3	3000-3600	46-53	48-8M0151241	Enertia		Comp Series
14.00"	19	3	3300-3900	43-50	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.22"	18	3	3500-4300	39-47	48-8M0151237	Enertia		Comp Series
14.45"	17	3	3800-4700	36-44	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.72"	16	3	4100-5200	33-41	48-8M0151233	Enertia		Comp Series
15.00"	15	3	4400-6000	29-38	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.30"	14	3	4900-6800	26-35	48-8M0151229	Enertia		Comp Series
14.50"	25	3	2300-2700	59-67	48- <b>13706A46</b>	Mirage Plus	N/A	Elite Series
14.63"	23	3	2600-3000	54-61	48-8M0151312	Mirage Plus	48-8M0151311	Elite Series
15.25"	19	3	3300-3900	43-50	48-8M0151308	Mirage Plus	48-8M0151307	Elite Series
15.38"	18	3	3500-4300	39-47	48-889620A46	Mirage Plus	48-889619A46	Elite Series
15.5"	17	3	3800-4700	36-44	48-8M0151304	Mirage Plus	48-8M0151303	Elite Series
15.75"	15	3	3600-4400	29-38	48-8M0151302	Mirage Plus	48-8M0151301	Elite Series
16.00"	13	3	5400-8200	22-32	48-8M0151300	Mirage Plus		Elite Series

## 150 HP FourStroke - Offshore / Bay / Flats Center Console (Single)

Engine RPM Range: 5000-5800 Gearcase Ratio: 1.92:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
13.50"	22	3	2100-2600	47-57	48-8M0151245	Enertia		Comp Series
13.62"	21	3	2200-2800	44-54	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.75"	20	3	2300-3000	42-52	48-8M0151241	Enertia		Comp Series
14.00"	19	3	2500-3200	39-49	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.25"	18	3	2700-3200	35-46	48-8M0151237	Enertia		Comp Series
14.50"	17	3	2900-4000	32-43	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.75"	16	3	3100-4500	29-40	48-8M0151233	Enertia		Comp Series
15.00"	15	3	3400-5100	26-37	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.13"	14	3	3800-6200	22-34	48-8M0151229	Enertia		Comp Series
14.62"	25	3	1800-2200	55-65	48-8M0151386	Tempest Plus		Elite Series
14.62"	24	3	1900-2300	53-62	48-8M0151385	Tempest Plus		Elite Series
14.62"	23	3	2000-2400	50-60	48-8M0151384	Tempest Plus		Elite Series
14.62"	22	3	2100-2600	47-57	48-8M0151383	Tempest Plus		Elite Series
14.62"	21	3	2200-2800	44-54	48-8M0151382	Tempest Plus		Elite Series
14.62"	19	3	2500-3200	39-49	48-8M0151381	Tempest Plus		Elite Series
14.62"	17	3	2900-4000	32-43	48-8M0151380	Tempest Plus		Elite Series

## 115 CT HP FourStroke - Offshore / Bay / Flats Center Console (Single)

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.38:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	LH - Part Number	Performance Category
13.50"	22	3	2000-2800	35-47	48-8M0151245	Enertia		Comp Series
13.80"	21	3	2100-3100	32-45	48-8M0151243	Enertia	48-8M0151242	Comp Series
13.75"	20	3	2300-3500	29-42	48-8M0151241	Enertia		Comp Series
14.00"	19	3	2400-3700	27-40	48-8M0151239	Enertia	48-8M0151238	Comp Series
14.20"	18	3	2600-4300	24-37	48-8M0151237	Enertia		Comp Series
14.50"	17	3	2800-5000	21-35	48-8M0151235	Enertia	48-8M0151234	Comp Series
14.70"	16	3	3100-5600	19-32	48-8M0151233	Enertia		Comp Series
15.00"	15	3	3500-6700	16-29	48-8M0151231	Enertia	48-8M0151230	Comp Series
15.30"	14	3	3900-7800	14-26	48-8M0151229	Enertia	48-8M0151228	Comp Series
15.60"	13	3	4300-10300	11-24	48-8M0151227	Enertia	48-8M0151226	Comp Series
16.00"	11	3	7000+	1-18	48-8M0151225	Enertia	48-8M0151224	Comp Series
14.62"	23	3	1900-2600	38-49	48-8M0151384	Tempest Plus		Elite Series
14.62"	22	3	2000-2800	35-47	48-8M0151383	Tempest Plus		Elite Series
14.62"	21	3	2100-3100	32-45	48-8M0151382	Tempest Plus		Elite Series
14.62"	19	3	2400-3700	27-40	48-8M0151381	Tempest Plus		Elite Series
14.62"	17	3	2800-5000	21-35	48-8M0151380	Tempest Plus		Elite Series
14.00"	23	4	1900-2600	38-49	48-8M0084497	SpitFire		Elite Series
14.00"	21	4	2100-3100	32-45	48-8M0084496	SpitFire		Elite Series
14.00"	19	4	2400-3700	27-40	48-8M0084495	SpitFire		Elite Series
14.00"	17	4	2800-5000	21-35	48-8M0084494	SpitFire		Elite Series
14.00"	14	4	3900-7800	14-26	48-8M0084493	SpitFire		Elite Series
14.00"	12	4	7000+	1-24	48-8M0084491	SpitFire		Elite Series
14.50"	19	3	2400-3700	27-40	48-832830A45	Black Max		Sport Series
15.00"	17	3	2800-5000	21-35	48-832828A45	Black Max		Sport Series
15.25"	15	3	3500-6700	16-29	48- <b>78116A45</b>	Black Max		Sport Series
16.00"	13	3	4300-10300	11-24	48- <b>78114A45</b>	Black Max		Sport Series
16.00"	12	3	5000+	9-21	48- <b>16436A45</b>	Black Max		Sport Series
16.00"	11	3	7000+	1-18	48- <b>78112A45</b>	Black Max		Sport Series

## 115 STD HP FourStroke - Offshore / Bay / Flats Center Console

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1800-2400	40-52	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	2000-2900	34-47	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	2300-3600	28-41	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2800-4700	22-35	48-8M0151361	SpitFire X7	Elite Series
14.0"	13	4	3500-6700	16-29	48-8M0151360	SpitFire X7	Elite Series
13"	18	3	2200-3200	31-44	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	2500-4100	25-38	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2800-4700	22-35	48-8M0151400	Vengeance	Sport Series
13.38"	14	3	3100-5600	19-32	48-8M0151399	Vengeance	Sport Series
14"	12	3	3900-8500	13-26	48-8M0151398	Vengeance	Sport Series
12.8"	19	4	2000-2900	34-47	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	2300-3600	28-41	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2800-4700	22-35	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	3500-6700	16-29	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	4500-11500	10-23	48-8M8026560	SpitFire	Elite Series
12.5"	23	3	1600-2100	45-57	48- 77350A45	Black Max	Sport Series
12.75"	21	3	1800-2400	40-52	48- 77348A45	Black Max	Sport Series
13"	19	3	2000-2900	34-47	48- 77346A45	Black Max	Sport Series
13.25"	17	3	2300-3600	28-41	48- 77344A45	Black Max	Sport Series

Diameter	Pitch	No. of Blades	<b>Boat Weight</b>	Boat Speed	RH - Part Number	Description	Performance Category
13.25"	16	3	2500-4100	25-38	48-854360A45	Black Max	Sport Series
13.75"	15	3	2800-4700	22-35	48- 77342A45	Black Max	Sport Series
13.88"	14	3	3100-5600	19-32	48-854352A45	Black Max	Sport Series
14"	13	3	3500-6700	16-29	48- 77340A45	Black Max	Sport Series
14"	11	3	4700+	1-23	48- 77338A45	Black Max	Sport Series

# 90 CT HP FourStroke - Offshore / Bay / Flats Center Console

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.38:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
13.50"	22	3	1600-2200	35-47	48- <b>8M0151245</b>	Enertia	Comp Series
13.80"	21	3	1600-2400	32-45	48-8M0151243	Enertia	Comp Series
13.75"	20	3	1800-2700	29-42	48-8M0151241	Enertia	Comp Series
14.00"	19	3	1900-2900	27-40	48-8M0151239	Enertia	Comp Series
14.20"	18	3	2100-3300	24-37	48-8M0151237	Enertia	Comp Series
14.50"	17	3	2200-3900	21-35	48-8M0151235	Enertia	Comp Series
14.70"	16	3	2400-4400	19-32	48-8M0151233	Enertia	Comp Series
15.00"	15	3	2700-5300	16-29	48-8M0151231	Enertia	Comp Series
15.30"	14	3	3100-6100	14-26	48-8M0151229	Enertia	Comp Series
14.62"	23	3	1500-1900	38-49	48-8M0151384	Tempest Plus	Elite Series
14.62"	22	3	1600-2200	35-47	48-8M0151383	Tempest Plus	Elite Series
14.62"	21	3	1600-2400	32-45	48-8M0151382	Tempest Plus	Elite Series
14.62"	19	3	1900-2900	27-40	48-8M0151381	Tempest Plus	Elite Series
14.62"	17	3	2200-3900	21-35	48-8M0151380	Tempest Plus	Elite Series
13.75"	21	3	1600-2400	32-45	48-8M0151408	Vengeance	Sport Series
14.00"	19	3	1900-2900	27-40	48-8M0151407	Vengeance	Sport Series
14.50"	17	3	2200-3900	21-35	48- <b>8M</b> 0151405	Vengeance	Sport Series
14.00"	23	4	1500-1900	38-49	48- <b>8M0084497</b>	SpitFire	Elite Series
14.00"	21	4	1600-2400	32-45	48- <b>8</b> M00 <b>8</b> 4496	SpitFire	Elite Series
14.00"	19	4	1900-2900	27-40	48-8M0084495	SpitFire	Elite Series
14.00"	17	4	2200-3900	21-35	48-8M0084494	SpitFire	Elite Series
14.00"	23	3	1500-1900	38-49	48- <b>832834A45</b>	Black Max	Sport Series
14.25"	21	3	1600-2400	32-45	48- <b>832832A45</b>	Black Max	Sport Series
14.50"	19	3	1900-2900	27-40	48-832830A45	Black Max	Sport Series
15.00"	17	3	2200-3900	21-35	48- <b>832828A45</b>	Black Max	Sport Series
15.25"	15	3	2700-5300	16-29	48- <b>78116A45</b>	Black Max	Sport Series

# 90 STD HP FourStroke - Bay / Flats Center Console

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1400-1900	40-52	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	1600-2300	34-47	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	1800-2800	28-41	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2200-3700	22-35	48-8M0151361	SpitFire X7	Elite Series
13"	18	3	4000+	31-44	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	2000-3200	25-38	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2200-3700	22-35	48-8M0151400	Vengeance	Sport Series
13.38"	14	3	2400-4400	19-32	48-8M0151399	Vengeance	Sport Series
14"	12	3	2700-5300	13-26	48-8M0151398	Vengeance	Sport Series
12.8"	19	4	1600-2300	34-47	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	1800-2800	28-41	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2200-3700	22-35	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	2700-5300	16-29	48-8M8026570	SpitFire	Elite Series

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
13.8"	11	4	4000+	10-23	48-8M8026560	SpitFire	Elite Series
12.5"	23	3	1300-1600	45-57	48- <b>77350A45</b>	Black Max	Sport Series
12.75"	21	3	1400-1900	40-52	48- <b>77348A45</b>	Black Max	Sport Series
13"	19	3	1600-2300	34-47	48- <b>77346A45</b>	Black Max	Sport Series
13.25"	17	3	1800-2800	28-41	48- <b>77344A45</b>	Black Max	Sport Series
13.25"	16	3	2000-3200	25-38	48- <b>854360A45</b>	Black Max	Sport Series
13.75"	15	3	2200-3700	22-35	48- <b>77342A45</b>	Black Max	Sport Series
13.88"	14	3	2400-4400	19-32	48- <b>854352A45</b>	Black Max	Sport Series
14"	13	3	2700-5300	16-29	48- <b>77340A45</b>	Black Max	Sport Series
14"	11	3	4000+	1-22	48- <b>77338A45</b>	Black Max	Sport Series

# 75 STD HP FourStroke - Bay / Flats Center Console

Engine RPM Range: 5000-6000 Gearcase Ratio: 2.07:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
12.7"	21	4	1300-1900	34-47	48-8M0151364	SpitFire X7	Elite Series
12.7"	19	4	1500-2300	29-42	48-8M0151363	SpitFire X7	Elite Series
13.0"	17	4	1700-2900	23-37	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	2100-3900	18-31	48-8M0151361	SpitFire X7	Elite Series
13"	18	3	1600-2500	26-40	48-8M0151402	Vengeance	Sport Series
13.13"	16	3	1900-3400	20-34	48-8M0151401	Vengeance	Sport Series
13.25"	15	3	2100-3900	18-31	48-8M0151400	Vengeance	Sport Series
13.38"	14	3	2300-4700	15-28	48-8M0151399	Vengeance	Sport Series
14"	12	3	2900-7500	10-23	48-8M0151398	Vengeance	Sport Series
12.8"	19	4	1500-2300	29-42	48-8M8026600	SpitFire	Elite Series
12.8"	17	4	1700-2900	23-37	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	2100-3900	18-31	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	2500-6100	12-26	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	3800+	7-20	48-8M8026560	SpitFire	Elite Series
12.5"	23	3	1200-1600	39-52	48- 77350A45	Black Max	Sport Series
12.75"	21	3	1300-1900	34-47	48- 77348A45	Black Max	Sport Series
13"	19	3	1500-2300	29-42	48- 77346A45	Black Max	Sport Series
13.25"	17	3	1700-2900	23-42	48- 77344A45	Black Max	Sport Series
13.25"	16	3	1900-3400	20-34	48-854360A45	Black Max	Sport Series
13.75"	15	3	2100-3400	18-31	48- 77342A45	Black Max	Sport Series
13.88"	14	3	2300-4700	15-28	48-854352A45	Black Max	Sport Series
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14"	13	3	2500-6100	12-26	48- 77340A45	Black Max	Sport Series
14"	11	3	3800+	1-20	48- 77338A45	Black Max	Sport Series

# 60 CT HP FourStroke - Bay / Flats Center Console

Engine RPM Range: 5500-6000 Gearcase Ratio: 2.33:1

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Series
13.0"	17	4	1400-1800	34-38	48-8M0151362	SpitFire X7	Elite Series
13.5"	15	4	1700-2300	28-34	48-8M0151361	SpitFire X7	Elite Series
14.0"	13	4	2000-3300	23-30	48-8M0151360	SpitFire X7	Elite Series
12.8"	17	4	1400-1800	34-38	48-8M8026590	SpitFire	Elite Series
12.8"	15	4	1700-2300	28-34	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	2000-3300	23-30	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	2700-5400	18-25	48-8M8026560	SpitFire	Elite Series
13.25"	17	3	1400-1800	34-38	48- 77344A45	Black Max	Sport Series
13.25"	16	3	1500-2000	30-36	48-854360A45	Black Max	Sport Series
13.75"	15	3	1700-2300	28-34	48- 77342A45	Black Max	Sport Series
13.88"	14	3	1800-2700	26-32	48-854352A45	Black Max	Sport Series

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Series
14"	13	3	2000-3300	23-30	48- 77340A45	Black Max	Sport Series
14"	11	3	2700-5400	18-25	48- 77338A45	Black Max	Sport Series

# 60 STD HP FourStroke - Bay / Flats Center Console

Engine RPM Range: 5500-6000 Gearcase Ratio: 1.83:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
10.6	14	4	1300-1700	16-30	48-878616A46	Trophy Sport	Elite Series
10.6	13	4	1500-2000	17-26	48- <b>878614A46</b>	Trophy Sport	Elite Series
10.6	12	4	1700-2500	19-22	48-878612A46	Trophy Sport	Elite Series
10.25	15	3	1200-1600	15-33	48- <b>855862A46</b>	Vengeance	Sport Series
10.4	14	3	1300-1700	16-30	48-855860A46	Vengeance	Sport Series
10.5	13	3	1500-2000	17-26	48-855858A46	Vengeance	Sport Series
11	12	3	1700-2500	19-22	48-855856A46	Vengeance	Sport Series
11.6	11	3	2000-3100	21-18	48-823478A46	Vengeance	Sport Series
10.1	15	4	1200-1600	15-33	48-8M8026640	SpitFire	Elite Series
10.1	14	4	1300-1700	16-30	48-8M8026635	SpitFire	Elite Series
10.3	13	4	1500-2000	17-26	48-8M8026630	SpitFire	Elite Series
10.6	12	4	1700-2500	19-22	48-8M8026625	SpitFire	Elite Series
10	17	3	1000-1300	13-40	48- <b>73144A45</b>	Black Max	Sport Series
10	16	3	1100-1400	14-37	48- <b>73142A45</b>	Black Max	Sport Series
10.1	15	3	1200-1600	15-33	48- <b>73140A45</b>	Black Max	Sport Series
10.25	14	3	1300-1700	16-30	48- <b>73138A45</b>	Black Max	Sport Series
10.4	13	3	1500-2000	17-26	48- <b>73136A45</b>	Black Max	Sport Series
10.6	12	3	1700-2500	19-22	48- <b>73134A45</b>	Black Max	Sport Series
10.8	11	3	2000-3100	21-18	48- <b>85632A45</b>	Black Max	Sport Series
12	10.5	3	2100-3500	22-16	48- <b>42740A45</b>	Black Max	Sport Series
11.25	10	3	2200-4100	23-14	48- <b>73132A45</b>	Black Max	Sport Series
12.25	9	3	2700-5400	25-11	48- <b>87818A45</b>	Black Max	Sport Series
12.5	8	3	3500-8900	29-7	48- <b>42738A45</b>	Black Max	Sport Series

# 50 CT HP FourStroke - Bay / Flats Center Console

Engine RPM Range: 5500-6000 Gearcase Ratio: 2.33:1

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Series
13.5"	15	4	1400-2000	28-34	48-8M0151361	SpitFire X7	Elite Series
14.0"	13	4	1700-2700	23-30	48-8M0151360	SpitFire X7	Elite Series
12.8"	15	4	1400-2000	28-34	48-8M8026580	SpitFire	Elite Series
13.8"	13	4	1700-2700	23-30	48-8M8026570	SpitFire	Elite Series
13.8"	11	4	2300-4500	18-25	48-8M8026560	SpitFire	Elite Series
13.25"	16	3	1300-1700	30-36	48- <b>854360A45</b>	Black Max	Sport Series
13.75"	15	3	1400-2000	28-34	48- <b>77342A45</b>	Black Max	Sport Series
13.88"	14	3	1500-2300	26-32	48-854352A45	Black Max	Sport Series
14"	13	3	1700-2700	23-30	48- <b>77340A45</b>	Black Max	Sport Series
14"	11	3	2300-4500	18-25	48- <b>77338A45</b>	Black Max	Sport Series

# 50 STD HP FourStroke - Bay / Flats Center Console

Engine RPM Range: 5500-6000 Gearcase Ratio: 1.83:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
10.6	14	4	1100-1400	30-38	48-878616A46	Trophy Sport	Elite Series
10.6	13	4	1300-1700	26-34	48-878614A46	Trophy Sport	Elite Series
10.6	12	4	1400-2100	22-31	48-878612A46	Trophy Sport	Elite Series
10.25	15	3	1000-1300	33-41	48-855862A46	Vengeance	Sport Series
10.4	14	3	1100-1400	30-38	48-855860A46	Vengeance	Sport Series

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
10.5	13	3	1300-1700	26-34	48-855858A46	Vengeance	Sport Series
11	12	3	1400-2100	22-31	48- <b>855856A46</b>	Vengeance	Sport Series
11.6	11	3	1600-2600	18-27	48- <b>823478A46</b>	Vengeance	Sport Series
10.1	15	4	1000-1300	33-41	48-8M8026640	SpitFire	Elite Series
10.1	14	4	1100-1400	30-38	48- <b>8M8026635</b>	SpitFire	Elite Series
10.3	13	4	1300-1700	26-34	48- <b>8M8026630</b>	SpitFire	Elite Series
10.6	12	4	1400-2100	22-31	48-8M8026625	SpitFire	Elite Series
10	17	3	900-1000	40-47	48- <b>73144A45</b>	Black Max	Sport Series
10	16	3	900-1100	37-44	48- <b>73142A45</b>	Black Max	Sport Series
10.1	15	3	1000-1300	33-41	48- <b>73140A45</b>	Black Max	Sport Series
10.25	14	3	1100-1400	30-38	48- <b>73138A45</b>	Black Max	Sport Series
10.4	13	3	1300-1700	26-34	48- <b>73136A45</b>	Black Max	Sport Series
10.6	12	3	1400-2100	22-31	48- <b>73134A45</b>	Black Max	Sport Series
10.8	11	3	1600-2600	18-27	48- <b>85632A45</b>	Black Max	Sport Series
12	10.5	3	1800-2900	16-25	48- <b>42740A45</b>	Black Max	Sport Series
11.25	10	3	1900-3400	14-24	48- <b>73132A45</b>	Black Max	Sport Series
12.25	9	3	2300-4500	11-20	48- <b>87818A45</b>	Black Max	Sport Series
12.5	8	3	2900-7400	7-16	48- <b>42738A45</b>	Black Max	Sport Series

# 40 CT HP FourStroke – Bay / Flats Center Console

Engine RPM Range: 5500-6000 Gearcase Ratio: 2.33:1

Diameter	Pitch	No of Blades	Boat Weight	Boat Speed	RH Part Number	Propeller Name	Performance Series
13.5"	15	4	1100-1600	28-34	48-8M0151361	SpitFire X7	Elite Series
14.0"	13	4	1400-2200	23-30	48-8M0151360	SpitFire X7	Elite Series
12.8"	15	4	1100-1600	28-34	48- <b>8M8026580</b>	SpitFire	Elite Series
13.8"	13	4	1400-2200	23-30	48- <b>8M8026570</b>	SpitFire	Elite Series
13.8"	11	4	1800-3600	18-25	48- <b>8M8026560</b>	SpitFire	Elite Series
13.75"	15	3	1100-1600	28-34	48- <b>77342A45</b>	Black Max	Sport Series
13.88"	14	3	1200-1800	26-32	48- <b>854352A45</b>	Black Max	Sport Series
14"	13	3	1400-2200	23-30	48- <b>77340A45</b>	Black Max	Sport Series
14"	11	3	1800-3600	18-25	48- <b>77338A45</b>	Black Max	Sport Series

# 40 STD HP FourStroke - Bay / Flats Center Console

Engine RPM Range: 5500-6000 Gearcase Ratio: 2.00:1

Diameter	Pitch	No. of Blades	Boat Weight	Boat Speed	RH - Part Number	Description	Performance Category
10.6	14	4	1000-1400	25-34	48-878616A46	Trophy Sport	Elite Series
10.6	13	4	1200-1600	22-30	48- <b>878614A46</b>	Trophy Sport	Elite Series
10.6	12	4	1300-2100	18-27	48- <b>878612A46</b>	Trophy Sport	Elite Series
10.25	15	3	900-1200	29-37	48- <b>855862A46</b>	Vengeance	Sport Series
10.4	14	3	1000-1400	25-34	48-855860A46	Vengeance	Sport Series
10.5	13	3	1200-1600	22-30	48-855858A46	Vengeance	Sport Series
11	12	3	1300-2100	18-27	48-855856A46	Vengeance	Sport Series
11.6	11	3	1500-2500	15-24	48- <b>823478A46</b>	Vengeance	Sport Series
10.1	15	4	900-1200	29-37	48-8M8026640	SpitFire	Elite Series
10.1	14	4	1000-1400	25-34	48-8M8026635	SpitFire	Elite Series
10.3	13	4	1200-1600	22-30	48-8M8026630	SpitFire	Elite Series
10.6	12	4	1300-2100	18-27	48-8M8026625	SpitFire	Elite Series
10	17	3	800-1000	35-43	48- <b>73144A45</b>	Black Max	Sport Series
10	16	3	800-1100	32-40	48- <b>73142A45</b>	Black Max	Sport Series
10.1	15	3	900-1200	29-37	48- <b>73140A45</b>	Black Max	Sport Series
10.25	14	3	1000-1400	25-34	48- <b>73138A45</b>	Black Max	Sport Series
10.4	13	3	1200-1600	22-30	48- <b>73136A45</b>	Black Max	Sport Series

Diameter	Pitch	No. of Blades	<b>Boat Weight</b>	Boat Speed	RH - Part Number	Description	Performance Category
10.6	12	3	1300-2100	18-27	48- 73134A45	Black Max	Sport Series
10.8	11	3	1500-2500	15-24	48- <b>85632A45</b>	Black Max	Sport Series
12	10.5	3	1600-3000	13-22	48- <b>42740A45</b>	Black Max	Sport Series
11.25	10	3	1800-3600	11-20	48- 73132A45	Black Max	Sport Series
12.25	9	3	2200-5100	8-17	48- 87818A45	Black Max	Sport Series
12.5	8	3	2700-8700	5-14	48- <b>42738A45</b>	Black Max	Sport Series

# MERCURY PROPELLER TYPE

# **MERCURY PROPELLER TYPE**

Propellers sorted by Pitch, then Diameter, then by Rotation (Right-hand, Left-hand)

# **MERCURY PROPELLER SELECTOR**

Mercury makes a propeller to fit most any type of boating application. Another industry first, Mercury Propellers has developed a Prop Selector to assist consumers with narrowing down the propeller selection process. You can find the Propeller Selector on our website, www.mercurymarine.com, under the Mercury Propeller-Technical Information section.

# MERCURY OUTBOARD PROPELLER SELECTOR CHART

Mercury Propeller selector by family for Outboards

#### Inflatable 16ft and Under

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
9.9-15 HP	Black Max	
20-25 HP	Black Max	Vengeance
25-30 4-stroke	Black Max, Spitfire	Vengeance
40-60 HP 4-stroke	Black Max, Spitfire	Vengeance, Trophy Sport

#### **Aluminum**

(14'-21') (4.3-6.4m)

Madel/Hereenewer	Aluminum Dranellara	Stainless Steel Brandless
Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
9.9-15 HP	Black Max	
20-25 HP	Black Max	Vengeance
25-30 HP 4-stroke	Black Max, Spitfire	Vengeance
40-60 HP (incl. 4-stroke)	Black Max, Spitfire	Vengeance, Trophy Sport
75-115 HP	Black Max, Spitfire	Vengeance, Laser II, Trophy Plus, SpitFire X7
135-300 HP	Black Max, Spitfire	High Five, Tempest, Fury, Enertia

#### **Fiberglass**

to 14' (4.3m)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
9.9-15 HP	Black Max	
20-25 HP	Black Max	Vengeance
25-30 HP 4-stroke	Black Max, Spitfire	Vengeance

#### Fiberglass Runabout and Inflatable RIB

14'-17' (4.3-5.2m)(closed deck or bowrider, same hull...)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
30-60 HP (incl. 4-stroke)	Black Max, Spitfire	Vengeance, Trophy Sport
75-125 HP	Black Max, Spitfire	Vengeance, Laser II, Trophy Plus, SpitFire X7
135-150 HP	Black Max, Spitfire	Vengeance, High Five, Enertia

#### Fiberglass Fish-Type

14'-17' (4.3-5.2m) (fish & ski, side console, center console)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
30-60 HP (incl. 4-stroke)	Black Max, Spitfire	Vengeance, Trophy Sport
75-115 HP	Black Max, Spitfire	Vengeance, Laser II, Trophy Plus, SpitFire X7
135-225 HP	Black Max, Spitfire	High Five, Enertia, Tempest, Fury

# Fiberglass Bass

14'-17' (4.3-5.2m)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
30-60 HP (incl. 4-stroke)	Black Max, Spitfire	Vengeance, Trophy Sport
75-115HP	Black Max, Spitfire	Vengeance, Laser II, Trophy Plus, SpitFire X7
135-225 HP	Black Max, Spitfire	Trophy Plus, Tempest Plus, High Five, Fury, Fury 4

#### Fiberglass Runabout and Inflatable RIB

17'-21' (5.2-6.4m) (closed deck or bowrider, same hull . . . )

Model/Horsepower	<b>Aluminum Propellers</b>	Stainless Steel Propellers
60 4-stroke BigFoot	Black Max, Spitfire	Vengeance
75-125 HP	Black Max, Spitfire	Vengeance, Laser II, SpitFire X7
135-300 HP	Black Max, Spitfire	Vengeance, High Five, Enertia

#### Fiberglass Fish-Type

17'-21' (5.2-6.4m) (fish & ski, side console, center console, cuddy)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
75-125 HP	Black Max, Spitfire	Vengeance, Laser II, Trophy Plus, SpitFire X7
135-300 HP	Black Max, Spitfire	Enertia, Laser II, Tempest Plus, High Five

# Fiberglass Bass

17'-21' (5.2-6.4m)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
75-125 HP	Black Max, Spitfire	Vengeance, Laser II, Trophy Plus, SpitFire X7
135-225 HP	Spitfire	Trophy Plus, Tempest Plus, High Five, Fury, Fury 4
250+ HP		Fury, Tempest Plus, Trophy Plus, Fury 4

# **Fiberglass Fishing**

21' + (6.4m+) (side console, center console, cuddy)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
135-300 HP		Enertia, Enertia ECO, Rev 4, Tempest Plus, Mirage Plus

# **MERCURY PROPELLER TYPE**

#### **Aluminum Pontoon**

16'-28' (4.9-8.5m)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
15-30	Black Max	Vengeance
40-60 HP (incl. 4-stroke)	Black Max, Spitfire	Vengeance, Trophy Sport
40-60 HP 4-stroke BigFoot	Black Max, Spitfire Pontoon	Vengeance
75-115 HP	Black Max, Spitfire Pontoon	Vengeance, SpitFire X7
135-300 HP	Black Max	Enertia, Vengeance, Rev 4, Mirage Plus

# Fiberglass Deckboat

16'-24' (4.9-7.3m)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
40-60 4-stroke BigFoot	Black Max, Spitfire	Vengeance
75-115 HP	Black Max, Spitfire	Vengeance, Laser II, Trophy Plus, SpitFire X7
135-300HP	Black Max, Spitfire	Vengeance, High Five, Enertia

# MERCURY STERNDRIVE PROPELLER SELECTOR CHART

Mercury Propeller selector by famliy for Sterndrives

#### **Fiberglass Runabout**

14'-17' (4.3-5.2m)(closed deck or bowrider, same hull...)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
3.0L	Black Max	Vengeance, High Five
4.3L	Black Max	Vengeance, Laser II, High Five

# Fiberglass Runabout

17'-21' (5.2-6.4m) (closed deck or bowrider, same hull . . . )

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
3.0L	Black Max	Vengeance
4.3L	Black Max	Vengeance, Laser II, High Five
5.0L	Black Max	Vengeance, Laser II, High Five
5.7L	Black Max	Vengeance, Laser II, High Five

# Fiberglass Runabout/Sport Boat

21' + (6.4m+) (side console, center console, cuddy)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
5.7L	Black Max	Vengeance, Mirage Plus, Rev 4
350 Mag		Vengeance, Mirage Plus, Bravo 1, Rev 4
MX 6.2L MPI		Vengeance, Mirage Plus, Bravo 1, Rev 4
8.2L Mag		Vengeance, Mirage Plus, Bravo 1, Rev 4
8.2L Mag HO		Vengeance, Mirage Plus, Bravo 1, Rev 4

# **Fiberglass Cruiser**

21' + (6.4m+)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
4.3L	Black Max	Vengeance, High Five
5.0L	Black Max	Vengeance, High Five
5.7L	Black Max	Enertia, Vengeance, Mirage Plus, Rev 4
350 Mag		Enertia, Vengeance, Mirage Plus, Rev 4
MX 6.2L MPI		Enertia, Vengeance, Mirage Plus, Rev 4
8.2L Mag		Enertia, Vengeance, Mirage Plus, Rev 4
8.2L Mag HO		Enertia, Vengeance, Mirage Plus, Rev 4

# **Fiberglass Deckboat**

16'-24' (4.9-7.3m)

Model/Horsepower	Aluminum Propellers	Stainless Steel Propellers
3.0L	Black Max	Vengeance, High Five
4.3L	Black Max	Vengeance, High Five
5.0L	Black Max	Vengeance, High Five
5.7L	Black Max	Vengeance, Mirage Plus, High Five, Rev 4
350 Mag		Vengeance, Mirage Plus, Rev 4
MX 6.2L MPI		Vengeance, Mirage Plus, Rev 4
8.2L Mag		Vengeance, Mirage Plus, Rev 4
8.2L Mag HO		Vengeance, Mirage Plus, Rev 4

# **CLEAR MACHETE**

# **CLEAR MACHETE PROPELLER**



10 X 3 1/2 RH Plastic 2 BL

# **SPITFIRE**

Introducing the Spitfire - the world's first performance aluminum propeller. Do you want to take your boats performance to the next level? The Spitfire provides 16-25% faster acceleration, superior holding with no penalty in top speed vs. a comparable 3 blade aluminum propeller.

Hub Application:

For 25-30 HP 4-Stroke outoboards (Flo-Torq I) 40-60 HP standard gearcase outoboards (Flo-Torq Reflex) 40 Bigfoot - 300 HP (Flo-Torq II)

If engine RPM is appropriate with 3-blade prop, replace with the same pitch Spitfire propeller.

RH only



# SPITFIRE 25-30 HP

25-30 HP 4-Stroke outboards 2006 and newer Flo-Torg I Rubber Hub.

#### SPITFIRE PROPELLER



48-8M8026650

9.3 X 9.5P RH AI 4 BL 48-8M8026655

9.3 X 11 RH AL 4 BL

# SPITFIRE 40-60 HP

25 HP BigFoot, 30 HP 4- Stroke (2005 and earlier) 40-60 HP 2-stroke and 4-Stroke outboards.

Equipped with Flo-Torq Reflex Hub system to eliminate clutch rattle.

#### SPITFIRE PROPELLER



48-8M8026620

10.6 X 11 RH AL 4 BL

#### 48-8M8026625

10.6 X 12 RH AL 4 BL

#### 48-8M8026630

10.3 X 13 RH AL 4 BL

#### 48-8M8026635

10.1 X 14 RH AL 4 BL

#### 48-8M8026640

10.1 X 15 RH AL 4 BL

# **SPITFIRE 40 BIGFOOT - 125 HP**

For 40-60 HP Bigfoot 4-strokes, 75-125 HP 2 and 4-Stroke outboards.

10-13 Pitch propellers are designed for to provide superior holding and lift for pontoon boats.

Equipped with Flo-Torq II hub system.

# SPITFIRE PONTOON PROPELLER



48-8M8026555

13.8 X 10 RH AL 4 BL

48-8M8026560

13.8 X 11 RH AL 4 BL 48-8M8026570

13.8 X 13 RH AL 4 BL

#### SPITFIRE PROPELLER



48-8M8026580

13.4 X 15 RH AL 4 BL

48-8M8026590

13.0 X 17 RH AL 4 BL

48-8M8026600 12.5 X 19 RH AL 4 BL

# SPITFIRE 90 CT-300 HP, MERCRUISER ALPHA/ BRAVO I

The SpitFire is now available in 90 CT - 300 HP outboards and Alpha/Bravo I sterndrives, making it the world's first aluminum performance propeller for these applications. The new 4-blade SpitFire provides 16%+ better holeshot times with no loss in top end speed vs. comparable pitched 3-blade aluminum propellers For 90+ HP CT 4-Stroke outboards and Alpha and Bravo I sterndrives

Equipped with Flo-Torq II hub system

#### SPITFIRE CT PROPELLER



48-8M0084491

14 X 12 RH AL 4 BL

48-8M0084493

14 X 14 RH AL 4 BL

#### SPITFIRE PROPELLER

48-8M0084494

14 X 17 RH AL 4 BL

48-8M0084495

14 X 19 RH AL 4 BL

48-8M0084496

14 X 21 RH AL 4 BL 48-8M0084497

14 X 23 RH AL 4 BL

# **BLACK MAX**

For good overall performance and value, the Black Max is your prop. The Black Max aluminum propellers are standard equipment on most boats with Mercury/Mariner/MerCruiser power. Recommended for use on boats with up to 250 Hp and with a top speed of less than 50MPH. Pontoon style props available - see Black Max XC.

For all and Alpha and Bravo One sterndrives High quality die-cast 3 or 4 blade aluminum Attractive and durable high-gloss Phantom Black finish Easy to maintain & repair.



# **BLACK MAX MERCURY/MARINER 2.5-3.5 HP**

#### **BLACK MAX PROPELLER**



48-815083A01

7 3/8 X 6 RH Plastic 3 BL

48-815083A02

7 3/8 X 7 RH Plastic 3 BL

# **BLACK MAX MERCURY/MARINER 4-5 HP, 4-6 HP FS**

Equipped with Flo-Torq I rubber hub

#### **BLACK MAX PROPELLER**



48-812949A02

7.8 X 7 RH Alum 3 BL

48-812950A02

7.8 in. dia. x 8 in. pitch RH Alum 3 blade

48-812951A02

8 3/8 X 6 RH Alum 3 BL High Thrust.

# BLACK MAX MERCURY/MARINER 6-15 HP, 9.9-15 HP FS

9.9 HP (4-stroke) 2004 model year and earlier only.

15 HP (4-stroke) 2007 model year and earlier only. Equipped with Flo-Torq I rubber hub

# BLACK MAX PROPELLER



48-828158A12

9 X 10 1/2 RH Alum 3 BL

# EXCURY PROPELLER IN

48-828156A12

9 X 9 RH Alum 3 BL

48-828154A12

9 X 8 RH Alum 3 BL

48-828152A12

9 1/4 X 7 RH Alum 3 BL

48-828150A12

9 3/4 X 6 1/2 RH Alum 3 BL

# BLACK MAX MERCURY/MARINER 8/9.9 HP 4-STROKE

8/9.9 (4-Stroke) Model year 2005 and newer. Standard gearcase.
Precision Rigging Eligible

#### **BLACK MAX PROPELLER**



48-897610A10

8.9 X 6.5 Pitch RH Aluminum 3 blade

48-897614A10

8.9 X 7.5 Pitch RH Aluminum 3 blade

48-897618A10

8.9 X 8.5 Pitch RH Aluminum 3 blade

#### **BLACK DIAMOND KICKER PROPELLER**



8.7 x 5, RH 4 Blade

# BLACK MAX MERCURY/MARINER 9.9 BF 15/20 HP (4-STROKE)

9.9 HP Bigfoot Model year 2005 and newer. 15/20 HP Model year 2008 and newer. Precision Rigging Eligible

#### **BLACK MAX PROPELLER**



48-897748A11

9.5 x 8" pitch RH Alum 3 BL

48-897750A11

9.25 x 9" pitch RH Alum 3 BL

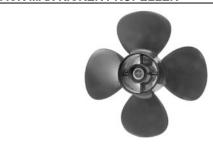
48-897752A11

9.25 x 10" pitch RH Alum 3 BL

48-897754A11

9.25 x 11.5 pitch RH Alum 3 BL

#### **BLACK MAX KICKER PROPELLER**



48-812950A10

- BLACK - 10 in. dia. X 7 in. pitch RH Aluminum 4 blade.

48-812948A10

- SILVER - 10 in. dia. X 7 in. pitch RH Aluminum 4 blade.

# BLACK MAX MERCURY/MARINER 9.9-15 BF FS 20-25 HP

Equipped with Flo-Torq I rubber hub 9.9 Bigfoot - Model year 2004 and earlier only. 20-25HP Classic 2-Stroke

#### **BLACK MAX PROPELLER**



48- 19640A40

10.375 X 13 RH Alum 3 BL

48- 19639A40

10 3/8 X 12 RH Alum 3 BL

48-19638A40

10 3/8 X 11 RH Alum 3 BL

48- 19636A10

10 3/8 X 9 1/2 RH Alum 3 BL

# **BLACK MAX MERCURY/MARINER 25/30 HP FS**

Model year 2006 and Newer (4-Stroke)

#### **BLACK MAX PROPELLER**



48-896890A10

10" dia. X 8" Pitch RH Aluminum 3 blade

48-896892A40

9.75 X 9.5 Pitch RH Aluminum 3 blade

48-896896A40

9.5 X 11" Pitch RH Aluminum 3 blade

48-896900A40

9.25 X 12.5" Pitch RH Aluminum 3 blade

# BLACK MAX MERCURY/MARINER 25-30 BF FS, 30-40 TS/FS, 50-60 TS/FS

25 HP BigFoot and & 30 HP 4-stroke (2005 model year and earlier) 40-60 2-Stroke and 4-Stroke. Equipped with Flo-Torq Reflex Hub system.

#### **BLACK MAX PROPELLER**



48-73144A45

10 X 17 RH Alum 3 BL

48- 73142A45

10 X 16 RH Alum 3 BL 48- **73140A45** 

10 1/8 X 15 RH Alum 3 BL

48- 73138A45

10 1/4 X 14 RH Alum 3 BL

48-816706A45

10 3/8 X 14 RH Alum 3 BL 48-816704A45

10 1/2 X 13 RH Alum 3 BL

48-73136A45

10 3/8 X 13 RH Alum 3 BL

48- 73134A45

10 5/8 X 12 RH Alum 3 BL

48-816702A45

10 3/4 X 12 RH Alum 3 BL

48-85632A45

10 7/8 X 11 RH Alum 3 BL

48- 42740A45

12 X 10 1/2 RH Alum 3 BL

48-827312A45

11 5/8 X 10 1/2 RH Alum 3 BL

48-73132A45

11 1/4 X 10 RH Alum 3 BL

48-87818A45

12 1/4 X 9 RH Alum 3 BL

48-42738A45

12 1/2 X 8 RH Alum 3 BL

48-42738CP1

12 1/2 X 8 RH Alum 3 BL Extra Cup

# BLACK MAX MERCURY/MARINER 40-60 BIGFOOT (4.25 IN.) FOURSTROKE

# **BLACK MAX PROPELLER**



48-8M0151359

13 3/4 X 15 RH Alum 3 BL

48-**8M0151357** 14 X 13 RH Alum 3 BL

48-8M0151355

14 X 11 RH Alum 3 BL

48-8M0151353

14 X 10 RH Alum 3 BL

48-8M0151352

14 X 9 RH Alum 3 BL

# BLACK MAX MERCURY/MARINER 40-60 HP BF FS, 75-125 HP

#### **BLACK MAX PROPELLER**



48-77350A45

12 1/2 X 23 RH Alum 3 BL

48-77348A45

12 3/4 X 21 RH Alum 3 BL

48- 77346A45 13 X 19 RH Alum 3 BL 48-77344A45 13 1/4 X 17 RH Alum 3 BL 48-854360A45 13 1/4 X 16 RH Alum 3 BL 48-77342A45 13 3/4 X 15 RH Alum 3 BL 48-854352A45 13 7/8 X 14 RH Alum 3 BL 48-77340A45 14 X 13 RH Alum 3 BL 48-8M0151358 14 X 13 RH Alum 3 BL - Extra Cup - Equipped with Flo-Torq III 48-8M0151356 14 x 11 RH Alum 3 BL - Extra Cup - Equipped with extra cup & Flo-Torq III 48-77338A45 14 X 11 RH Alum 3 BI 48-854342A45 14 X 10 RH Alum 3 BL 48-8M0151354 14 X 10 RH Alum 3 BL - Extra Cup - Equipped with Flo-Torq III 48-854340A45 14 X 9 RH Alum 3 BL

# **BLACK MAX MERCURY/MARINER 135-300,** MERCRUISER ALPHA/BRAVO I

#### **BLACK MAX PROPELLER**



48-832834A45 14 X 23 RH Alum 3 BL 48-832832A45 14 1/4 X 21 RH Alum 3 BL 48-832830A45 14 1/2 X 19 RH Alum 3 BL 48-11324A45 15 1/2 X 18 RH Alum 3 BL 48-832828A45 15 X 17 RH Alum 3 BL 48-16440A45 16 X 16 RH Alum 3 BL 48-78116A45 15 1/4 X 15 RH Alum 3 BL 48-78116CP1 15 1/4 X 15 RH Alum 3 BL 48-16438A45 16 X 14 RH Alum 3 BL 48-16438CP1 16 X 14 RH Alum 3 BL 48-78114A45 16 X 13 RH Alum 3 BL 48-78114CP1 16 X 13 RH Alum 3 BL

48- 16436A45

16 X 12 RH Alum 3 BL 48-16436CP1

16 X 12 RH Alum 3 BL

48-78112A45

16 X 11 RH Alum 3 BL

78112CP1

16 X 11 RH Alum 3 BL

# **ALPHA 4**

Note: The Alpha 4 propeller is being discontinued.

Mercury recommends the 4-blade SpitFire propeller as the aluminum option for 90 CT - 150 outboards and Sterndrive applications. When transitioning to a SpitFire, increase 1" of pitch from the Alpha 4.

# **ENERTIA**

Enertia, a revolutionary product that will measurably improve acceleration and top speed on many deep vee boats powered by high-horsepower outboards. Enertia has also been proven to increase the overall performance of runabouts and pontoons.

The Enertia is the first propeller to utilize the added strength and durability of the new X7 alloy. This patented new alloy allowed Mercury's Propeller Engineers to develop a propeller design that far surpasses the limits of conventional stainless steel. The X7 allow is 30% stronger and 4 times more durable than conventional stainless

Typical benefits of this new design include:

- Better Acceleration and top end speed.
- Thin blades and higher rake angles for increased efficiency.
- Stays hooked up; fewer blow outs while cornering
- Keeps boats on plane at slower speeds

The 11-15P Enertia is the perfect match for 90/115 hp CT and 150+ hp pontoon and tritoon applications

Enertia is available in one inch pitch increments to dial in the ultimate performance of todays high horspeower outboards.

Equiped with Flo-Torq II Hub Kit 835257K 1

Equipped with PVS - Performance Vent System solid fittings.



# **ENERTIA PROPELLER**



48-8M0151245 13.5 x 22 RH SS 3 BL 48-8M0151243 13.8 x 21 RH SS 3 BL

48-8M0151242

13.8 x 21 LH SS 3 BL

# **MERCURY PROPELLER TYPE**

48-8M0151241 13.75 x 20 RH SS 3 BL 48-8M0151239 14 x 19 RH SS 3 BL 48-8M0151238 14 x 19 LH SS 3 BL 48-8M0151237 14.2 x 18 RH SS 3 BL 48-8M0151235 14.5 x 17 RH SS 3 BL 48-8M0151234 14.5 x 17 LH SS 3 BL 48-8M0151233 14.7 x 16 RH SS 3 BL 48-8M0151231 15 x 15 RH SS 3 BL 48-8M0151230 15 x 15 LH SS 3 BL 48-8M0151229 15.3 x 14 RH SS 3 BL 48-8M0151228 15.3 x 14 LH SS 3 BL 48-8M0151227 15.6 x 13 RH SS 3 BL 48-8M0151226 15.6 x 13 LH SS 3 BL 48-8M0151225 16.0 x 11 RH SS 3 BL 48-8M0151224 16.0 x 11LH SS 3 BL

# **ENERTIA ECO**

The Enertia ECO, a pioneering propeller that will significantly improve fuel economy at cruising speeds on high horse-powered boats running with 200+ HP. Ideal for long distance running center consoles, the Enertia ECO's large diameter and high progressive rake provide additional bow lift reducing boat drag. While saving money at cruising speeds, the Enertia ECO shows no compromise in performance, sporting the class leading performance inherent to all Mercury Propellers.

Benefits of the Enertia ECO:

- -10%+ gains in fuel economy at cruising speeds
- -No Compromise in performance
- -Smoother ride as it provides additional bow lift
- -Superior durability with Mercury's X7 Alloy
- -Eligible to be used with Mercury's Joystick Piloting for outboards

Equipped with PVS – Performance Vent System solid fittings included

Left and right-hand rotation, 17 – 23 Pitch in 1" increments

Approved for use with Joystick Piloting

\*\*Now also available with the Flo-Torq SSR HD Hub Kit for engines with 1.25" propeller shafts\*\*

Both the option of ordering with a Flo-Torq II (835257K6) or a Flo-Torq SSR HD (8M0101601) is available - see part numbers below



#### **ENERTIA ECO PROPELLER**



48	8M0040404
16 X 23	RH SS 3 BL
48	8M0040405
16 X 23	LH SS 3 BL
48	8M0040408
16 X 22	RH SS 3 BL
48	8M0040409
16 X 22	LH SS 3 BL
48	8M0040402
16 X 21	RH SS 3 BL
	-8M0040403
16 X 21	LH SS 3 BL
	-8M0040406
16 X 20	RH SS 3 BL
	-8M0040407
	LH SS 3 BL
	-8M0040400
	RH SS 3 BL
	8M0040401
	LH SS 3 BL
	8M0040396
	RH SS 3 BL
	8M0040397
	LH SS 3 BL
	8M0040398
	RH SS 3 BL
	8M0040399
16 X 17	LH SS 3 BL

#### **ENERTIA ECO WITH FLO-TORQ SSR HD**

16 X 18 RH SS 3 BL

ENERTIA ECO WITH FLO-TORQ 55K HD
48-8M0127053
6 X 23 RH SS 3 BL
48-8M0127052
6 X 23 LH SS 3 BL
48-8M0127051
6 X 22 RH SS 3 BL
48-8M0127050
6 X 22 LH SS 3 BL
48-8M0127049
6 X 21 RH SS 3 BL
48-8M0127048
6 X 21 LH SS 3 BL
48-8M0127047
6 X 20 RH SS 3 BL
48-8M0127046
6 X 20 LH SS 3 BL
48-8M0127045
6 X 19 RH SS 3 BL
48-8M0127044
6 X 19 LH SS 3 BL
48-8M0127043

48-8M0127042 16 X 18 LH SS 3 BL 48-8M0127041 16 X 17 RH SS 3 BL 48-8M0127040 16 X 17 LH SS 3 BL

# **REVOLUTION 4**

The Revolution 4 stainless steel propeller turns high horsepower into performance for single through quint center consoles, bay, walleye, pontoon, and sportboats.

Improves holeshot and mid-range acceleration while acheiving exceptional speed.

Equipped with PVS - Performance Vent System solid fittings included

If RPM's are at the upper end of the range with a 3-blade prop, use a Revolution 4 of the same pitch. If the RPM's are at the mid to low end of the RPM range with a 3-blade prop, use a Revolution 4 of the next lower pitch.

Right and left-hand rotation, 15" - 25" pitch

Approved for use with Joystick Piloting

\*\*Now also available with the Flo-Torq SSR HD Hub Kit for engines with 1.25" propeller shafts\*'

Both the option of ordering with a Flo-Torq II (835257K6) or a Flo-Torq SSR HD (8M0101601) is available - see part numbers below



#### **REVOLUTION 4 PROPELLER**



48-857032A46	
14.625 x 25 RH SS 4 BL	
48-857033A46	
14.625 x 25 LH SS 4 BL	
48-857030A46	
14 5/8 X 23 RH SS 4 BL	
48-857031A46	
14 5/8 X 23 LH SS 4 BL	
48-857028A46	
14 5/8 X 21 RH SS 4 BL	
48-857029A46	
14 5/8 X 21 LH SS 4 BL	
48-8M0070052	
14 5/8 X 20 RH SS 4 BL	

48-8M0070051 14 5/8 X 20 LH SS 4 BL 48-857026A46 14 5/8 X 19 RH SS 4 BL 48-857027A46 14 5/8 X 19 LH SS 4 BL 48-8M0137906 14 3/5 X 18 RH SS 4 BL 48-8M0137907 14 3/5 X 18 LH SS 4 BL 48-857024A46 14 5/8 X 17 RH SS 4 BL 48-857025A46 14 5/8 X 17 LH SS 4 BL 48-857022A46 14-5/8 x 15 RH SS 4 BL 48-8M0064449 14-5/8 x 15 LH SS 4 BL

# REVOLUTION 4 WITH FLO-TORQ SSR HD

48-8M0127039
14 5/8 X 25 RH SS 4 BL
48-8M0127038
14 5/8 X 25 LH SS 4 BL
48-8M0127037
14 5/8 X 23 RH SS 4 BL
48-8M0127036
14 5/8 X 23 LH SS 4 BL
48-8M0127035
14 5/8 X 21 RH SS 4 BL
48-8M0127034
14 5/8 X 21 LH SS 4 BL
48-8M0127033
14 5/8 X 20 RH SS 4 BL
48-8M0127032
14 5/8 X 20 LH SS 4 BL
48-8M0127031
14 5/8 X 19 RH SS 4 BL
48-8M0127030
14 5/8 X 19 I H SS 4 BI

48-8M0137925 14.6 X 18 LH SS 4 BL 48-8M0127029 14 5/8 X 17 RH SS 4 BL

48-8M0137924 14 .6 X 18 RH SS 4 BL

48-8M0127028 14 5/8 X 17 LH SS 4 BL

48-8M0127027 14 5/8 X 15 RH SS 4 BL 48-8M0127026

14 5/8 X 15 LH SS 4 BL

# FURY 4

The Fury 4 is a proven propeller designed to be the quickest accelerating and fastest running propeller on heavily weighted bass boats for both the tournament angler as well as the every day fisherman using 200+ horsepower outboards.

In addition to utilizing the added strength and durability of the Mercury's proprietary X7 alloy, the Fury 4 contains 8 PVS holes (2 per blade) to allow optimal holeshot customization.

Fury 4 is available in 24, 25, and 26 pitch to dial in the ultimate performance of today's high horsepower bass boats. The same pitch is recommended if the current Tempest Plus or Fury allows the boat to operate in the desired RPM range.

operate in the desired RPM range.
With 2-stroke applications, all 8 PVS holes are recommended to be open. Additional PVS plugs are included.

\*\*Now also available with the Flo-Torq SSR HD Hub Kit for engines with 1.25" propeller shafts\*\*

Both the option of ordering with a Flo-Torq II (835257K6) or a Flo-Torq SSR HD (8M0101601) is available - see part numbers below



#### **FURY 4 PROPELLER**



48-8M0114410

14.5 x 26 Pitch RH SS 4 BL

48-8M0114409

14.5 x 25 Pitch RH SS 4 BL

48-8M0114408

14.5 x 24 Pitch RH SS 4 BL

#### **FURY 4 PROPELLER WITH FLO-TORQ SSR HD**

48-8M0125102

14.5 x 26 Pitch RH SS 4 BL

48-8M0125101

14.5 x 25 Pitch RH SS 4 BL

48-8M0125100

14.5 x 24 Pitch RH SS 4 BL

# **FURY**

Fury, a revolutionary product that will measurably improve acceleration and top speed on many bass boats powered by 200+ horsepower outboards.

The Fury is Mercury's first bass boat propeller to utilize the added strength and durability of the new X7 alloy. This revolutionary new alloy allowed Mercury's Propeller Engineers to develop a propeller design that far surpasses the limits of conventional stainless steel. The X7 alloy is 30% stronger and 4 times more durable than conventional stainless steel.

Fury is available in 23, 24, 25, 26 and 27 pitch to dial in the ultimate performance of today's high horsepower bass boats. Drop 1 inch of pitch if running with extreme weight added to the boat that results in a reduction of RPM/Speed.

PVS Enabled - Comes standard with plugs removed for best performance

\*\*Now also available with the Flo-Torq SSR HD Hub Kit for engines with 1.25" propeller shafts\*\*

Both the option of ordering with a Flo-Torq II (835257K6) or a Flo-Torq SSR HD (8M0101601) is available - see part numbers below



#### **FURY PROPELLER**



48-8M8023180

14 x 27 Pitch RH SS 3 BL

48-8M8023160

14 x 26 Pitch RH SS 3 BL

48-8M8023140

14 x 25 Pitch RH SS 3 BL 48-8M8023120

14 x 24 Pitch RH SS 3 BL

48-8M8023100 14 X 23 Pitch RH SS 3 BL

# FURY PROPELLER WITH FLO-TORQ SSR HD

48-8M0125098

14 x 26 Pitch RH SS 3 BL

48-8M0125097

14 x 25 Pitch RH SS 3 BL

48-8M0125096

14 x 24 Pitch RH SS 3 BL

48-8M0125095

14 X 23 Pitch RH SS 3 BL

# **BRAVO I**

The best just keeps getting bigger and better! High horsepower boats need high-output propellers and the Bravo I 4-blade stainless steel propellers are the original equipment on more go-fast boats than any other props!

For high-performance, high drive height, outboard and sterndrive applications.

Excellent speed and handling, great for stepped hulls and cats. Moving from a 3-blade to the Bravo I, drop down one inch in pitch (22" Bravo I for 23" 3-blade Mirage)

A45 series equipped with 835257K6, A55 with 835258K2

22" to 36" Left-hand and right-hand rotation 34P & 36P are being NLA'd, limited quantities are available



#### **BRAVO I PROPELLER**



48-832124A55	
15 1/4 X 36 RH SS 4 BL (Solid Hub)	
48-832123A55	
15 1/4 X 36 LH SS 4 BL (Solid Hub)	
48-832122A55	
15 1/4 X 34 RH SS 4 BL (Solid Hub)	
48-832121A55	
15 1/4 X 34 LH SS 4 BL (Solid Hub)	
48-831920A55	
15 1/4 X 32 RH SS 4 BL (Solid Hub)	
48-831919A55	
15 1/4 X 32 LH SS 4 BL (Solid Hub)	
48-831918A55	
15 1/4 X 30 RH SS 4 BL (Solid Hub)	
48-831917A55	
15 1/4 X 30 LH SS 4 BL (Solid Hub)	
48-831916A55	
15 1/4 X 28 RH SS 4 BL (Solid Hub)	
48-831915A55	
15 1/4 X 28 LH SS 4 BL (Solid Hub) 48- <b>831914A45</b>	
48-831914A45 15 1/4 X 26 RH SS 4 BI	
48-831914A55	
15 1/4 X 26 RH SS 4 BL (Solid Hub)	
48-831913A45	
15 1/4 X 26 LH SS 4 BL	
48-831913A55	
15 1/4 X 26 LH SS 4 BL (Solid Hub)	
48-831912A45	
15 1/4 X 24 RH SS 4 BL	
48-831912A55	
15 1/4 X 24 RH SS 4 BL (Solid Hub)	
(	

48-831911A45

15 1/4 X 24 LH SS 4 BL

48-831911A55

15 1/4 X 24 LH SS 4 BL (Solid Hub)

48-831910A45

15.25 X 22 RH SS 4 BL

48-831910A55

15 1/4 X 22 RH SS 4 BL (Solid Hub)

48-831909A45

15 1/4 X 22 LH SS 4 BL

48-831909A55

15 1/4 X 22 LH SS 4 BL (Solid Hub)

# **MAXIMUS**

This 5-blade performance propeller is ideally suited to push large aerated, vee-bottom performance hulls and offshore boats equipped with MerCrusier 496 HO, Mercury Racing 500+ horsepower engines coupled to Bravo One, Bravo One XZ or XR sterndrives. Available in limited pitch range, the Maximus is available in 26" - 34" L/H & R/H (2" pitch increments). In general if RPM's are at the upper end of the engines range run two inches of pitch less than the Bravo I 4-blade propeller-example if runnigh 34" stock Bravo I try running 32" stock Maximus.

Available with Flo -Torq II SS HD Hub kit for Bravo One XZ/XR and Bravo XR Sport Master (A65 series)

5 Blades for awesome planing performance higher mid-range cruising and equal or better top end speeds over 4 blades



#### **MAXIMUS PROPELLER**



# 48-889973A65

15 5/8 X 34 LH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

48-889972A65

15 5/8 X 34 RH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

48-889971A65

15 5/8 X 32 LH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

48-889970A65

15 5/8 X 32 RH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

48-889969A65

15.625~X 30 LH SS 5 BL Equipped with 1.25 inch HD SS Hub Kit

48-889968A65

15 5/8 X 30 RH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

48-889967A65

15 5/8 X 28 LH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

48-889966A65

15 5/8 X 28 RH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

48-889965A65

15 5/8 X 26 LH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

# **MERCURY PROPELLER TYPE**

48-889964A65

15 5/8 X 26 RH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

48-889975A65

15 5/8 X 24 LH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

48-889974A65

15 5/8 X 24 RH SS 5 BL Equipped with 1 1/4" HD SS Hub Kit

# SPITFIRE X7 40 CT - 115 HP STANDARD

SpitFire X7, a new stainless steel propeller designed to increase speed and acceleration on all boat types with mid-range outboards. The SpitFire X7 is the first propeller for 40 hp CT - 115 hp outboards manufactured with Mercury's proprietary X7 Stainless Steel Alloy, providing additional strength and durability.

Like the aluminum SpitFire, the stainless steel SpitFire X7's small diameter generates unmatched acceleration while the aggressive blade design and cup create exceptional speed and holding.

For 40-60 HP CT 4-Stroke and 75-115 HP standard 2 and 4-Stroke outboards (Flo-Torq II)

If RPM is appropriate with the current 3-blade prop, replace with the same pitch.

13" - 21" pitch RH only

Equipped with Flo-Torq II hub system.



#### SPITFIRE X7 PROPELLER



48-8M0055551

12.7 X 21 RH X7 4 BL

48-8M0055550

12.7 X 19 RH X7 4 BL

48-8M0055549

13 X 17 RH X7 4 BL

48-**8M0055548** 13.5 X 15 RH X7 4 BL

48-8M0055547

14 X 13 RH X7 4 BL

# **TEMPEST PLUS**

Are you ready to move up to the big leagues? If you're serious about speed, take a look at the Tempest Plus. Designed for large heavy bass boats, walleye boats and sport boats with big V-6 outboard power, the Tempest Plus 3-blade stainless steel propeller can take you to the next level fast. 835257K6 hub kit included. Select Optimax Pro XS engines with 1 1/4 shafts require hub kit 840389K06.

For V-6 outboards

Large (14 5/8") diameter for high motor height installations

Great for outboard powered bass, walleye, and bay boats

Aggressive blade geometry for amazing lift

Equipped with PVS Performance Vent System

17" - 27" pitch



#### **TEMPEST PLUS PROPELLER**



	48	-82	586	8/	4	47

14.625 X 27 RH SS 3 BL

48-825874A47

14 5/8 X 26 RH SS 3 BL 48-825866A47

14.625 X 25 RH SS 3 BL

48-825872A47

14 5/8 X 24 RH SS 3 BL

48-825864A47 14.625 X 23 RH SS 3 BL

48-**8M8026820** 

14.625 X 22 RH SS 3 BL

48-825862A47

14.625 X 21 RH SS 3 BL

48-825860A47 14 5/8 X 19 RH SS 3 BL

48-8M8026790

14.625 X 17 RH SS 3 BL



# MERCURY PROPELLER TYPE

# **TROPHY PLUS**

Want to get your fishing boat on plane fast? Check out the Trophy Plus. The Trophy Plus is legendary for its amazing hole shot and eye-watering acceleration. Its four stainless-steel blades stay hooked up better in tight turns, making for incredible boat handling. For use with mid-range and V-6 Outboards up to 225 HP. 835257K6 hub kit included

17 and 19 Pitch designed for 75-115 HP outboards. Higher pitch propellers designed for 135 -225 HP outboards

Quicker hole shot, great speed, particularly at high engine heights

Dramatically improves handling and reduces steering loads

Made with Mercury's patented X7 Alloy

Equipped with PVS - Performance Vent System

If engine RPM's are good with 3-blade prop, replace with the same pitch Trophy Plus

Small tube hub allows for added exhaust venting over the hub for improved hole shot

If venting is excessive, a seal ring 878421 allows the exhaust to pass through the inner hub.

#### **MERCURY MARINE**



#### TROPHY PLUS PROPELLER



48-825944A47	
13.75 X 26 RH SS 4 BL	
48-825942A47	
13 3/4 X 25 RH SS 4 BL	
48-825940A48	
13 3/4 X 24 RH SS 4 BL	
48-825938A47	
13 3/4 X 23 RH SS 4 BL	
48-825934A47	
13 3/4 X 21 RH SS 4 BL	
48-825932A46	
13 3/4 X 19 RH SS 4 BL	
48-825930A46	
13 3/4 X 17 RH SS 4 BL	

# TROPHY SPORT

Do you have a 30-60 HP powered fishing boat? How'd you like to have the great hole shots and speed too? The Trophy Sport 4-blade stainless steel propeller brings out the best in flats, walleye and bass boats, and inflatables.

For 30-60 hp outboards

Fast planing, great speed

Improves handling and reduces steering loads

If engine RPM's are appropriate with 3-blade prop, replace with the same pitch Trophy Sport.

Equipped with Flo-Torg Reflex Hub system to eliminate clutch rattle.

12" - 14" pitch



#### TROPHY SPORT PROPELLER



48-**878616A46** 10 5/8 X 14 RH SS 4 BL

48-878614A46

10 5/8 X 13 RH SS 4 BL 48-878612A46

10 5/8 X 12 RH SS 4 BL

# **HIGHFIVE**

If you've thought about trading your runabout for a tow boat, first try the HighFive.

Five blades creates massive amounts of surface area to transfer your engine's power to acceleration. The HighFive also has a loyal followig among freshwater fishermen who fish in rough water due to the excellent handling of the 5-blade design - A HighFive will stay hooked up when the going gets rough. The design also makes the HighFive an excellent choice for back trolling.

If engine RPMs are good with a 3-blade prop, replace with same pitch HighFive

Equipped with PVS - Performance Vent System 17" - 23" pitch

Equipped with Flo-Torq II Hub kit 835257K 1



#### **HIGHFIVE PROPELLER**



48-815762A46

13 1/4 X 23 RH SS 5 BL

48-815760A46

13 1/4 X 21 RH SS 5 BL

48-815758A46

13 1/4 X 19 RH SS 5 BL 48-821154A46

13 1/2 X 17 RH SS 5 BL

# **MIRAGE PLUS**

The Mirage Plus 3-blade stainless steel propeller dominates high-horsepower boating with its large diameter and high output blade geometry. From V-6 Outboard offshore fishing boats to Bravo I Sterndrive vee-bottom sport boats, cruisers and race boats, the Mirage Plus does it allquickly.

Equipped with Flo-Torq II Hub kit 835257K1(A46)

-The Flo-Torq II SS (Solid) Hub kit 835258K 2 is available for separate purchase\_

-The Flo-Torq II 1 1/4" HD SS (Solid) Hub kit 840389K06 is available for separate purchase

For outboards over 150 HP on offshore fishing boats, Bay boats and V-bottom sportboats

For V-8 single or dual Bravo One and TRS sterndrives

Specifically designed to handle high horsepower

Improves acceleration and top speed on many boats

Equipped with PVS - Performance Vent System solid fittings installed for outboard applications replace with medium fittings

Left-hand and right-hand rotation

13" - 27" pitch



#### **MIRAGE PLUS PROPELLER**



48- 18280A46

14 3/8 X 27 RH SS 3 BL

48- 18281A46

14 3/8 X 27 LH SS 3 BL

48- **13706A46** 14 1/2 X 25 RH SS 3 BL

48- **13704A46** 

14 5/8 X 23 RH SS 3 BL

48- 13705A46

14 5/8 X 23 LH SS 3 BL

48- 13702A46

14 3/4 X 21 RH SS 3 BL

48- 13703A46

14 3/4 X 21 LH SS 3 BL

48- 13700A46

15.25 X 19 RH SS 3 BL

48- 13701A46 15 1/4 X 19 LH SS 3 BL

48-889620A46

15 3/8 X 18 RH SS 3 BL

48-889619A46 15 3/8 X 18 LH SS 3 BL

48- **18278A46** 

15 1/2 X 17 RH SS 3 BL

48- 90159A46

15 1/2 X 17 LH SS 3 BL 48- **19838A46** 

15 3/4 X 15 RH SS 3 BL

48- 19841A46

15 3/4 X 15 LH SS 3 BL

48-826072A46

16 X 13 RH SS 3 BL

# **VENGEANCE**

The Vengeance three-blade stainless steel propeller is an excellent choice for the boater who wants to upgrade from an aluminum prop. The Mercury Vengeance is a fine propeller for outstanding durability and good overall performance on most outboard and sterndrive powered boats.

For all outboards and Alpha and Bravo One sterndrives
Better acceleration and handling than 3 blade aluminum
Over 5 times more durable than an aluminum prop
Proven blade design
L/H and R/H 9.5" - 21" pitch
40-60 HP are equipped with Flo-Torq Reflex Hub System

MERCURY MARINE

VENGEANCE

40HP BigFoot and up are equipped with Flo-Torq II Hub kit 835257K 1

# MERCURY PROPELLER TYPE

# VENGEANCE MERCURY/MARINER 9.9-15 BF FS, 20-25 HP

9.9 Bigfoot - Model year 2004 and earlier only. 20-25HP Classic 2-Stroke

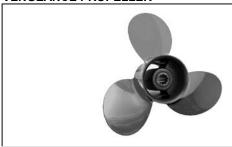
#### **VENGEANCE PROPELLER**



48- **19644A 5** 10 3/8 X 13 RH SS 3 BL

# VENGEANCE MERCURY/MARINER 25/30 HP 4-STROKE

#### **VENGEANCE PROPELLER**



48-899818A05

9.8" dia. X 9.5" Pitch RH Stainless Steel 3 blade

48-899820A05

9.5" dia. X 11" Pitch RH Stainless Steel 3 blade

# VENGEANCE MERCURY/MARINER 25-30 BF FS, 30-40 TS/FS, 50-60 TS/FS

Equipped with Flo-Torq Reflex hub 25 HP Bigfoot - Model year 2005 and earlier only. 30-60 HP 2-Stroke and 4-Stroke

#### **VENGEANCE PROPELLER**



48-855862A46

10 1/4 X 15 RH SS 3 BL

48-855860A46

10 3/8 X 14 RH SS 3 BL

#### 48-855858A46

10 1/2 X 13 RH SS 3 BL

48-855856A46

11 X 12 RH SS 3 BL

48-**823478A46** 11 5/8 X 11 RH SS 3 BL

# **VENGEANCE MERCURY/MARINER 40-60 BF, 75-125 TS/FS**

Equipped with Flo-Torq II 835257K1 Note: 8M0113150 is equipped with Flo-Torq III 835257K9

#### **VENGEANCE PROPELLER**



48- 16988A46

13 X 18 RH SS 3 BL

48-16986A46

13 1/8 X 16 RH SS 3 BL

48-854354A46

13 1/4 X 15 RH SS 3 BL 48- 17314A46

13 3/8 X 14 RH SS 3 BL

48-17312A46

14 X 12 RH SS 3 BL

# **VENGEANCE PROPELLER**



**48-8M0113150** 14 X 12 RH SS 3BL

# **VENGEANCE PROPELLER**



48- **17310A46** 14 X 10 RH SS 3 BL

# **VENGEANCE MERCURY/MARINER 135-300, MERCRUISER ALPHA & BRAVO I**

Equipped with Flo-Torq II 835257K1

# **VENGEANCE PROPELLER**



48-16318A46 13 3/4 X 21 RH SS 3 BL

48-16316A46 14 X 19 RH SS 3 BL 48- 16317A46

14 X 19 LH SS 3 BL 48- 16314A46 14 1/2 X 17 RH SS 3 BL 48-16315A46

14 1/2 X 17 LH SS 3 BL

48-16312A46 14 1/2 X 15 RH SS 3 BL

# LASER II

The Laser II is Mercury's Performance 3 blade propeller for freshwater fishing boats with 75-125 HP outboards. The Laser II features thin, high-rake stainless steel blades for outstanding bow lift.

NOTE: Laser II Propellers for 135 HP and up outboards and sterndrives have been discontinued. Mercury Marine recommends replacing these propellers with a Tempest Plus propeller of the equivalent pitch.

For outboards 75-125 HP High-rake design for lots of lift Thin blades to reduce drag Equipped with PVS - Performance Vent System medium fittings Right-hand rotation Equipped with Flo-Torq II Hub kit 835257K 1



# LASER II MERCURY/MARINER 40-60 BF, 75-125

Equipped with Flo-Torq II 835257K1.

#### **LASER II PROPELLER**



48-16992A46 13 1/2 X 22 RH SS 3 BL

48-899006A46 13.25 X 21 RH SS 3 BL

48-16990A46 13.25 X 20 RH SS 3 BL

48-899004A46 13 1/4 X 19 RH SS 3 BL

# **BRAVO TWO - ALUMINUM**

Our Bravo Two propellers are big and beefy - just like our Bravo Two sterndrive itself. Incredible amounts of blade area for maximum thrust. Large blade area for increased efficiency Right and left-hand rotation Equipped with Flo-Torq I rubber hub 43636T Forward Cupped washer 12-55072 Tab Washer 14-34817 Aft Cupped Washer 12-54738 Prop Nut 11-54034 Forward Thrust Washer 55074T Aft Washer 12-55073A2 11" - 25" pitch



#### **BLACK DIAMOND BRAVO TWO PROPELLER**



48-8M0078092 17.25 X 25 RH Alum 3 BL

48-8M0078093

17.25 X 25 LH Alum 3 BL

770

#### **BRAVO TWO PROPELLER**



48- 18618A40
17 1/2 X 23 RH Alum 3 BL
48- 18619A40
17 1/2 X 23 LH Alum 3 BL
48- 18616A40
17 3/4 X 21 RH Alum 3 BL
48- 18617A40
17 3/4 X 21 LH Alum 3 BL
48- 18614A40
18 1/4 X 19 RH Alum 3 BL
48- 18615A40
18 1/4 X 19 LH Alum 3 BL

# **BLACK DIAMOND BRAVO TWO PROPELLER**



48-8M0155030 18.75 X 17 RH Alum 3 BL 48-8M0155029 18.75 X 17 LH Alum 3 BL 48-8M0155028 19.25 X 15 RH Alum 3 BL 48-8M0155027 19.25 X 15 LH Alum 3 BL 48-8M0155026 19.5 X 13 RH Alum 3 BL 48-8M0155025 19.5 X 13 LH Alum 3 BL 48-8M0155024 20 X 11 RH Alum 3 BL 48-8M0155023 20 X 11 LH Alum 3 BL

# **BRAVO TWO - STAINLESS STEEL**

Our Bravo Two propellers are big and beefy - just like our Bravo Two sterndrive itself. Incredible amounts of blade area for maximum thrust. Large blade area for increased efficiency Right and left-hand rotation Equipped with Flo-Torq I rubber hub 43636T Forward Cupped washer 12-55072 Tab Washer 14-34817 Aft Cupped Washer 12-54738 Prop Nut 11-54034 Forward Thrust Washer 55074T Aft Washer 12-55073A2 11" - 25" pitch



# **BRAVO TWO PROPELLER**

48-18620A 6



_	I Middle Cook Montroto	771
	20 X 11 RH SS 3 BL	
	48- 18606A 6	
	19 1/2 X 13 LH SS 3 BL	
	48- <b>18609A</b> 6	
	19 1/2 X 13 RH SS 3 BL	
	19 1/4 X 15 LH SS 3 BL 48- <b>18608A 6</b>	
	48- <b>18611A 6</b>	
	19 1/4 X 15 RH SS 3 BL	
	48- <b>18610A 6</b>	
	18 3/4 X 17 LH SS 3 BL	
	48- 18613A 6	
	18 3/4 X 17 RH SS 3 BL	
	48- 18612A 6	
	18 1/4 X 19 LH SS 3 BL	
	48- 18615A 6	
	18 1/4 X 19 RH SS 3 BL	
	48- 18614A 6	
	17 3/4 X 21 LH SS 3 BL	
	48- 18617A 6	
	48- <b>18616A 6</b> 17 3/4 X 21 RH SS 3 BL	
	19 1/2 x 22 1/2 RH SS 3 BL	
	48-897550A06	
	17 1/2 X 23 LH SS 3 BL	
	48- 18619A 6	
	17 1/2 X 23 RH SS 3 BL	
	48- 18618A 6	
	17 1/4 X 25 LH SS 3 BL	
	48- 18621A 6	
	17.25 X 25 RH SS 3 BL	

This amazing twin-prop drive system features stainless steel props: A large diameter forward propeller and a smaller diameter aft propeller for unbelievable handling and boat control.

Bravo Three features 4-blade front, 3-blade rear set that offers better acceleration performance and enhanced holding. Bravo Three is available in both matte and high polish finishes. Mixing with old style three blade front three blade rear Bravo Three propellers is not recommended. For part number information on the old Bravo Three propellers (Pre 2008) see the historical propeller charts section of this guide.

Aft Thrust Washer 805100T Forward Thrust Washer 805101T Aft Prop Nut 11-805093 Forward Prop Nut 11-805092T

19" - 28" pitch.



# **BRAVO THREE PROPELLER**



48-8M8022460

15 X 28 LH SS 4 BL - Front Matte Finish

48-8M8022470

13.5 X 28 RH SS 3 BL - Rear Matte Finish

48-8M8022469

15 X 28 LH SS 4 BL - Front High Polish Finish

48-8M8022479

13.5 X 28 RH SS 3 BL - Rear High Polish Finish

48-8M8022440

15.25 X 26 LH SS 4 BL - Front Matte Finish

48-8M8022450

13.75 X 26 RH SS 3 BL - Rear Matte Finish

48-8M8022449

15.25 X 26 LH SS 4 BL - Front High Polish Finish

48-8M8022459

13.75 X 26 RH SS 3 BL - Rear High Polish Finish 48-8M8022420

15.5 X 24 LH SS 4 BL - Front Matte Finish

48-8M8022430 14 X 24 RH SS 3 BL - Rear Matte Finish

48-8M8022429

15.5 X 24 LH SS 4 BL - Front High Polish Finish

48-8M8022439

14 X 24 RH SS 3 BL - Rear High Polish Finish

48-8M8022400

15.75 X 22.5 LH SS 4 BL - Front Matte Finish

48-8M8022410

14.25 X 22.5 RH SS 3 BL - Rear Matte Finish

48-8M8022409

15.75 X 22.5 LH SS 4 BL - Front High Polish Finish

48-8M8022419

14.25 X 22.5 RH SS 3 BL - Rear High Polish Finish

48-8M8022380

15.9 X 21 LH SS 4 BL - Front Matte Finish

48-8M8022390

14.3 X 21 RH SS 3 BL - Rear Matte Finish

48-8M8022389

15.9 X 21 LH SS 4 BL - Front High Polish Finish

48-8M8022399

14.3 X 21 RH SS 3 BL - Rear High Polish Finish

48-8M8022360

16 X 20 LH SS 4 BL - Front Matte Finish

48-8M8022370

14.4 X 20 RH SS 3 BL - Rear Matte Finish

48-8M8022369

16 X 20 LH SS 4 BL - Front High Polish Finish

48-8M8022379

14.4 X 20 RH SS 3 BL - Rear High Polish Finish

48-8M8022340

16 X 19 LH SS 4 BL - Front Matte Finish

48-8M8022350

14.4 X 19 RH SS 3 BL - Rear Matte Finish

48-8M8022349

16 X 19 LH SS 4 BL - Front High Polish Finish

48-8M8022359

14.4 X 19 RH SS 3 BL - Rear High Polish Finish

# **BRAVO THREE DIESEL**

Designed for use on heavier boats high HP diesels. A large diameter four-blade front propeller coupled with a smaller diameter, three-blade rear propeller provides unmatched acceleration, tracking and handling with diesel applications. Extra cup built in to the trailing edges of both front and rear props captures the torque generated by today's turbocharged diesel engines. Best performing propeller for modern diesel engines matched to Bravo III drives.

Left-hand, 4-blade forward and right-hand, 3-blade rear propellers. Enhanced blade cup for improved planing performance and fuel

Recommended for 260-350 H.P. diesel engines.

Fit for use on standard Bravo Three, Bravo Three X and Bravo Three XR drives.

Sets available from 21" to 27" pitch in two inch increments Bravo Three Diesel Propellers feature a durable matte finish Moving from the standard Bravo Three propellers to the Bravo Three Diesel props will result in one inch pitch decrease to match the same







48-8M0074865

16.0 x 21 LH SS 4 Blade - Front

48-8M0074866

15.0 x 21 RH SS 3 Blade - Rear

48-8M0074867

16.0 x 23 LH SS 4 Blade - Front

48-8M0074868

15.0 x 23 RH SS 3 Blade - Rear

48-8M0074869

15.75 x 25 LH SS 4 Blade - Front

48-8M0074870

14.75 x 25 RH SS 3 Blade - Rear

48-8M0074871

15.5 x 27 LH SS 4 Blade - Front

48-8M0074872

14.5 x 27 RH SS 3 Blade - Rear

# **Z - SERIES PROPELLER**

Original equipment for Zeus pod drives up to 550 HP. A large diameter 4 blade forward propeller and a smaller diameter 3 blade aft propeller provides outstanding acceleration and boat control. These props come in a tough matte finish.

#### **ZEUS PROPELLER**



48-8M8021430

Z6 4 Blade LH Front Propeller

48-8M8021440

Z6 3 Blade RH Rear Propeller

48-8M8021450

Z7 4 Blade LH Front Propeller

48-8M8021460

Z7 3 Blade RH Rear Propeller 48-8M8021470

Z8 4 Blade LH Front Propeller

48-8M8021480 Z8 3 Blade RH Rear Propeller

48-8M8021490

Z9 4 Blade LH Front Propeller

48-8M8021500

Z9 3 Blade RH Rear Propeller

48-8M8021510

Z10 4 Blade LH Front Propeller

48-8M8021520

Z10 3 Blade RH Rear Propeller

48-8M8021530

Z11 4 Blade LH Front Propeller

48-8M8021540

Z11 3 Blade RH Rear Propeller

48-8M8021550

Z12 4 Blade LH Front Propeller

48-8M8021560

Z12 3 Blade RH Rear Propeller

48-8M8023600

Z13 4 Blade LH Front Propeller

48-8M8023610

Z13 3 Blade RH Rear Propeller

48-8M8021590

Z14 4 Blade LH Front Propeller

48-8M8021600

Z14 3 Blade RH Rear Propeller

48-8M8021610

Z15 4 Blade LH Front Propeller

48-8M8021620 Z15 3 Blade RH Rear Propeller

48-8M8021630

Z16 4 Blade LH Front Propeller

48-8M8021640

Z16 3 Blade RH Rear Propeller

48-8M8021650

Z17 4 Blade LH Front Propeller

48-8M8021660

Z17 3 Blade RH Rear Propeller

48-8M8021670

Z18 4 Blade LH Front Propeller

48-8M8021680

Z18 3 Blade RH Rear Propeller

48-8M8021690

Z19 4 Blade LH Front Propeller

48-8M8021700

Z19 3 Blade RH Rear Propeller

#### M - SERIES PROPELLER

Original equipment on select Zeus pod drives up to 700 HP. Additional blade area vs. Z series props is an excellent fit for higher horsepower Zeus applications. These props come in a tough matte finish.

# M-SERIES PROPELLER



48-8M0079236

M0 5 Blade LH Front Propeller

48-8M0079237

M0 4 Blade RH Rear Propeller

48-8M0063951

M1 5 Blade LH Front Propeller

# **MERCURY PROPELLER TYPE**

48-8M0063952
M1 4 Blade RH Rear Propeller
48-8M8024110
M2 5 Blade LH Front Propeller
48-8M8024120
M2 4 Blade RH Rear Propeller
48-8M8023800
M4 5 Blade LH Front Propeller
48-8M8023810
M4 4 Blade RH Rear Propeller
48-8M8023820
M5 5 Blade LH Front Propeller
48-8M8023830 M5 4 Plada PU Paga Prancillar
M5 4 Blade RH Rear Propeller
48-8M8023840 M6 5 Plade I H Front Propeller
M6 5 Blade LH Front Propeller 48-8M8023850
M6 4 Blade RH Rear Propeller
48-8M8023860
M7 5 Blade LH Front Propeller
48-8M8023870
M7 4 Blade RH Rear Propeller
48-8M8023880
M8 5 Blade LH Front Propeller
48-8M8023890
M8 4 Blade RH Rear Propeller
48-8M8023900
M9 5 Blade LH Front Propeller
48-8M8023910
M9 4 Blade RH Rear Propeller
48-8M8023920
M10 5 Blade LH Front Propeller
48-8M8023930 M10 4 Blade RH Rear Propeller
48-8M8023940
M11 5 Blade LH Front Propeller
48-8M8023950
M11 4 Blade RH Rear Propeller
48-8M8023960
M12 5 Blade LH Front Propeller
48-8M8023970
M12 4 Blade RH Rear Propeller
48-8M8023980
M13 5 Blade LH Front Propeller
48-8M8023990
M13 4 Blade RH Rear Propeller
48-8M8024000
M14 5 Blade LH Front Propeller
48-8M8024010

M14 4 Blade RH Rear Propeller

# MERCURY RACING PROPELLER TYPE

# CLEAVER 40 - 60 HP

The TE Cleaver has through hub exhaust, 13 tooth broached spline, uses standard thrust washer and prop nut kit 11-31990Q02. Applicable for Inflatable tunnels, EP Vee bottoms, Alaskan Flats and Sport C tunnels.

#### **CLEAVER PROPELLER 40-60 HP**



48-891510A01 12 X 22 Pitch RH, SS 3 BL

# CHOPPER II - MERCURY 30 (U.S. ORIGIN) AND 40 - 60 HP

# **CHOPPER II PROPELLER**



48-43592A71

10.375 Diameter X 18 Pitch, RH rotation, 13 spline, rubber hub (43676T) - uses thrust hub 73345A1 40-60 HP

# LIGHTNING E.T.

150-300 HP

Lab Finished. For light weight Bass, Tunnel and Drag racing outboard boats. Hub kit not included; 835258K 1 for 1 inch and 840389K06 for 1.25 inch propshaft.

#### LIGHTNING E.T. PROPELLER



48-849508L62

14.5 X 32 Pitch RH, X7 SS 3 BL

48-849506L62

14.5 x 30 Pitch RH, X7 SS 3 BL

48-849248L62

14.5 X 28 Pitch RH, X7 SS 3 BL

48-849246L62

14.5 X 26 Pitch RH, X7 SS 3 BL

# **PRO MAX PROPELLER**

For use with 150 - 350 and 400R Outboard motors.

Designed for high speed performance, enhances bow lift, enables higher engine heights, for use on performance vee-bottom and air entrapment hulls. Made from the X7 stainless steel alloy. Check trim tab for propeller clearance.

Pro Finished has a polished appearance with durable leading edges, robust blade thickness, tuned cup height and zero balanced. Lab Finished has a satin appearance, crisp leading edge, thinned blades, tuned cup height and zero balanced (expect to gain 150 RPM over Pro Finished, pitch for pitch).

To restrict venting during planing consider using the Vent Control Ring 8M0086395.

The Hub kit not included; 835257K6 or 835258K 2 for 1 inch or 840389K06 for 1.25 inch propshaft.

# PRO MAX PROPELLER



48-8M0079707

14.5 x 32 Pitch RH, X7 SS 4 BL

48-8M0112990

14.5 x 31.5 Pitch RH, X7 SS 4 BL

48-8M0079706

14.5 x 31 Pitch RH, X7 SS 4 BL

48-8M0112989

14.5 x 30.5 Pitch RH, X7 SS 4 BL

48-8M0079705

14.5 x 30 Pitch RH, X7 SS 4 BL

48-8M0112988

14.5 x 29.5 Pitch RH, X7 SS 4 BL

48-8M0079704

14.5 x 29 Pitch RH, X7 SS 4 BL

48-8M0112987

14.5 x 28.5 Pitch RH, X7 SS 4 BL

48-8M0079703

14.5 x 28 Pitch RH, X7 SS 4 BL

48-8M0112986

14.5 x 27.5 Pitch RH, X7 SS 4 BL

48-8M0079702

14.5 x 27 Pitch RH, X7 SS 4 BL

48-8M0112985

14.5 x 26.5 Pitch RH, X7 SS 4 BL

48-8M0079701

14.5 x 26 Pitch RH, X7 SS 4 BL

48-8M0112984

14.5 x 25.5 Pitch RH. X7 SS 4 BL

48-8M0079700

14.5 x 25 Pitch RH, X7 SS 4 BL

48-8M0112983

14.5 x 24.5 Pitch RH, X7 SS 4 BL

48-8M0079699

14.5 x 24 Pitch RH, X7 SS 4 BL

48-8M0112982

14.5 x 23.5 Pitch RH, X7 SS 4 BL

48-8M0079698

14.5 x 23 Pitch RH, X7 SS 4 BL

48-8M0112981

14.5 x 22.5 Pitch RH, X7 SS 4 BL

48-8M0079696

14.5 x 32 Pitch RH, X7 SS 4 BL Lab (Satin) Finished

48-8M0079695

14.5 x 30 Pitch RH, X7 SS 4 BL Lab (Satin) Finished

48-8M0079694

 $14.5\,x\,28$  Pitch RH,  $\,$  X7 SS 4 BL Lab (Satin) Finished

48-8M0079693

14.5 x 26 Pitch RH, X7 SS 4 BL Lab (Satin) Finished

48-8M0079692

14.5 x 24 Pitch RH, X7 SS 4 BL Lab (Satin) Finished

# **BRAVO I LT PRO FINISHED**

The Pro Finished Bravo I LT offered in one half pitch increments for extreme precision when dialing in engine rpm for maximized performance. The props are equipped with (4) adjustable PVS exhaust vent holes offering improved time-to-plane. The 4 blades support staying on plane during slow turns, great rough water handling, excellent mid-range acceleration and the longer exhaust tube can provide added bow and stern lift for improved top ends speeds all features geared toward heavy and fully loaded walleye, bass, and flats boats. Designed for 150 to 400 HP outboards primary target is Fourstroke and the low pitch will support the heavy Walleye rigs equipped with Pro XS engines.

Pitch selection, if running a 19 inch pitch 3 blade Tempest move one inch pitch higher to 20 inch pitch Bravo I LT, if replacing the Revolution 4 or standard Bravo I move up 2 inch of pitch

or standard Bravo I move up 2 inch of pitch.

Hub kit sold separately; 835257K6 or 835258K2 for 1 inch propshaft or for 1.25 inch propshaft use 840389K06 or 840389Q06.

#### **BRAVO I LT PROPELLER**



48-8M0129049

15.25 x 29 Pitch RH SS 4 BL

8M0142107

15.25 x 29 Pitch LH SS 4 BL

48-8M0129048

15.25 x 28.5 Pitch RH SS 4 BL

48-8M0129046

15.25 x 28 Pitch RH SS 4 BL

8M0142106

15.25 x 28 Pitch LH SS 4 BL

48-8M0121604

15.25 x 27.5 Pitch RH SS 4 BL

48-8M0121603

15.25 x 27 Pitch RH SS 4 BL

8M0142105

15.25 x 27 Pitch LH SS 4 BL

48-8M0121602

15.25 x 26.5 Pitch RH SS 4 BL

48-8M0121601

15.25 x 26 Pitch RH SS 4 BL

8M0142104

15.25 x 26 Pitch LH SS 4 BL

48-8M0121600

15.25 x 25.5 Pitch RH SS 4 BL

48-8M0121599

15.25 x 25 Pitch RH SS 4 BL

8M0142103

15.25 x 25 Pitch LH SS 4 BL

48-8M0121598

15.25 x 24.5 Pitch RH SS 4 BL

48-8M0121597

15.25 x 24 Pitch RH SS 4 BL

8M0142102	
15.25 x 24 Pitch LH SS 4 BL	
48-8M0121596	
15.25 x 23.5 RH SS 4 BL	
48-8M0121595	
15.25 x 23 Pitch RH SS 4 BL	
8M0142101	
15.25 x 23 Pitch LH SS 4 BL	
48-8M0121594	
15.25 x 22.5 Pitch RH SS 4 BL	
48-8M0121593	
15.25 x 22 Pitch RH SS 4 BL	
8M0142100	
15.25 x 22 Pitch LH SS 4 BL	
48-8M0121592	
15.25 x 21.5 Pitch RH SS 4 BL	
48-8M0121591	
15.25 x 21 Pitch RH SS 4 BL	
8M0142099	
15.25 x 21 Pitch LH SS 4 BL	
48-8M0121590	
15.25 x 20.5 Pitch RH SS 4 BL	
48-8M0121589	
15.25 x 20 Pitch RH SS 4 BL	
8M0142098	
15.25 x 20 Pitch LH SS 4 BL	
48-8M0126237	
15.25 x 19.5" Pitch RH SS 4 BL	
48-8M0126236	
15.25 x 19 Pitch RH SS 4 BL	
8M0142097	
15.25 x 19 Pitch LH SS 4 BL	

# **BRAVO I XS PRO FINISHED**

Mercury Racing is offering one half pitch increments for extreme precision to dial in the engines rpm for maximum performance. The (8) PVS vent holes offer a multitude of exhaust porting for enhanced planing. The four blades support staying on plane during slow switchback turns, great rough water handling and excellent mid-range acceleration. The tuned exhaust tube provides bow lift with minimal stern lift for awesome top ends speeds; features that accomadate medium to heavy walleye, bass, flats and some ultra-high speed bass boats. Designed for 150 to 250 Pro XS and 300XS outboards. Four strokes may benifit using the controllable venting system with the one half pitch offerings.

bodas. Designed for 130 to 250 PTO XS and 300XS outboards. Four strokes may benifit using the controllable venting system with the one half pitch offerings.

Pitch selection, if running a 26 inch pitch 3 blade Tempest Plus move one inch pitch higher to the 27 inch pitch Bravo I XS, if replacing the Fury, Revolution 4 or standard Bravo I move up 2 inch of pitch.

PVS solid and large vent hole fittings included.

Hub kit sold separately; 835257K6 or 835258K2 for 1 inch propshaft or for 1.25 inch propshaft use 840389K06 or 840389Q06.

#### **BRAVO I XS PROPELLER**

48-8M0400400



48-8M0100109	
15.25 x 31.5 Pitch RH SS 4 BL	
48-831918L80	
15.25 x 31 Pitch RH SS 4 BL	
48-8M0111151	
15.25 x 30.5 Pitch RH SS 4 BL	
48-831918L60	
15.25 x 30 Pitch RH SS 4 BL	
48-8M0100107	
15.25 x 29.5 Pitch RH SS 4 BL	
48-831916L80	
15.25 x 29 Pitch RH SS 4 BL	
48-8M0111150	
15.25 x 28.5 Pitch RH SS 4 BL	
48-831916L60	
15.25 x 28 Pitch RH SS 4 BL	
48-8M0100106	
15.25 x 27.5 Pitch RH SS 4 BL	
48-831914L80	
15.25 x 27 Pitch RH SS 4 BL	
48-8M0111149	
15.25 x 26.5 Pitch RH SS 4 BL	
48-831914L60	
15.25 x 26 Pitch RH SS 4 BL	
48-8M0100105	
15.25 x 25.5 Pitch RH SS 4 BL	
48-831912L80	
15.25 x 25 Pitch RH SS 4 BL	
48-8M0111148	
15.25 x 24.5 Pitch RH SS 4 BL	
48-831912L60	
15.25 x 24 Pitch RH SS 4 BL	

48-8M0100104

15.25 x 23.5 Pitch RH SS 4 BL

48-831910L80

15.25 x 23 Pitch RH SS 4 BL

48-8M0111147

15.25 x 22.5 Pitch RH SS 4 BL

48-831910L60

15.25 x 22 Pitch RH SS 4 BL

# **BRAVO I XC PRO FINISHED**

The Mercury Racing Bravo I XC Pro Finished propellers are designed for shallow water running requiring quick planing and durable trailing edges. Equipped with PVS allowing exhaust adjustment for planing, extended barrel to support quick hole shot and extra trailing edge cup for greater durability. At WOT the 20 inch pitch Bravo I XC should offer similar rpm to the standard 22 inch pitch Bravo I. Hub kit sold separately, 835257K6 or 835258K2 for 1 inch or 840389K06 for 1.25 inch propshaft.

#### **BRAVO I XC PROPELLER**



48-8M0100112

15.3 x 24 Pitch RH SS 4 BL

48-8M0100111

15.3 x 22 Pitch RH SS 4 BL

48-8M0118470

15.3 x 21 Pitch RH SS 4 BL

48-8M0100110

15.3 x 20 Pitch RH SS 4 BL

48-8M0118468

15.3 x 19 Pitch RH SS 4 BL

# **BRAVO I FS PRO FINISHED**

The Mercury Racing Bravo I FS Pro Finished propellers are designed for outboard and sterndrive applications. The 4 blades deliver unmatched time-to-plane performance, mid-range punch, delivering fuel sipping economy, and excellent top-end speeds for medium to heavy outboard bass, flats, cat flats, bay boats, center consoles and sterndrive deck and vee bottom boats. A majority of four stroke outboards and sterndrive applications will use the prop with all four vent holes plugged with solid PVS fittings. Larger heavier multiple engine applications may benefit by taking one or two fittings out for improved planing. The Bravo I FS may be used with multiple two stroke outboard applications.

The 20, 20.5, 21 and 21.5 inch pitch can be used with single two stroke rigs with all the PVS fittings removed.

Eligible for Joy Stick Piloting outboards.

To achieve similar rpm if running a 26 pitch 3 blade move up one inch to a 27 pitch Bravo I FS, if replacing the Fury or Revolution 4 move up 2 inches of pitch. Hub kit sold separately; 835258K2 for 1 inch and 840389K06 or 840389Q06 for 1.25 inch propshaft.

# **BRAVO I FS PROPELLER**



48-8M0104419

15.25 x 33 Pitch RH SS 4 BL

48-8M0104420

15.25 x 33 Pitch LH SS 4 BL

48-8M0104417

15.25 x 32 Pitch RH SS 4 BL

48-8M0104418

15.25 x 32 Pitch LH SS 4 BL

48-8M0064477

15.25 x 31 Pitch RH SS 4 BL

48-8M0071097

15.25 x 31 Pitch LH SS 4 BL

48-8M0064476

15.25 x 30 Pitch RH SS 4 BL

48-8M0071096 15.25 x 30 Pitch LH SS 4 BL

48-8M0064475

15.25 x 29 Pitch RH SS 4 BL

48-8M0071095

15.25 x 29 Pitch LH SS 4 BL

48-8M0128335

15.25 x 28.5 Pitch RH SS 4 BL

48-8M0064473

15.25 x 28 Pitch RH SS 4 BL

48-8M0071094

15.25 x 28 Pitch LH SS 4 BL

48-8M0064472

15.25 x 27 Pitch RH SS 4 BL

48-8M0071093

15.25 x 27 Pitch LH SS 4 BL

48-8M0128334

15.25 x 26.5 Pitch RH SS 4 BL

48-8M0064471

15.25 x 26 Pitch RH SS 4 BL

48-8M0071092
15.25 x 26 Pitch LH SS 4 BL
48-8M0129397
15.25 x 25.5 Pitch RH SS 4 BL
48-8M0064470
15.25 x 25 Pitch RH SS 4 BL
48-8M0071091
15.25 x 25 Pitch LH SS 4 BL
48-8M0128333
15.25 x 24.5 Pitch RH SS 4 BL
48-8M0064469
15.25 x 24 Pitch RH SS 4 BL
48-8M0071090
15.25 x 24 Pitch LH SS 4 BL
48-8M0152624
15.25 x 23.5 Pitch RH SS 4 BL
48-8M0064468
15.25 x 23 Pitch RH SS 4 BL
48-8M0071089
15.25 x 23 Pitch LH SS 4 BL
48-8M0128332
15.25 x 22.5 Pitch RH SS 4 BL
48-8M0064450
15.25 x 22 Pitch RH SS 4 BL
48-8M0071088
15.25 x 22 Pitch LH SS 4 BL
48-8M0118471
15.25 x 21.5 Pitch RH SS 4 BL
48-8M0090455
15.25 x 21 Pitch RH SS 4 BL
48-8M0090457
15.25 x 21 Pitch LH SS 4 BL
48-8M0118469
15.25 x 20.5 Pitch RH SS 4 BL
48-8M0090451
15.25 x 20 Pitch RH SS 4 BL
48-8M0090453
15.25 x 20 Pitch LH SS 4 BL

# **REVOLUTION 4 XP**

The Mercury Racing Revolution 4 XP Pro Finished stainless steel propellers with several offered in one half pitch increments designed to fine tune the engines RPM maximizing performance on Ceter Console, Bay and work boats. Using the XP with the 400R Verado expect 75 to 100 RPM change per one half of pitch. Eligible for Joy Stick Piloting outboards.

outboards.

Hub kit sold separately; 835258K2 for 1 inch and 840389K06 or 840389Q06 for 1.25 inch propshaft.

#### **REVOLUTION 4 XP**



14.6 x 26.5 Pitch LH SS 4 BL

48-8M01	28849		
14.6 x 26.5 Pito			
48-8M01			
14.6 x 26 Pitch			
48-8M01	28846		
14.6 x 26 Pitch	RH SS 4 BL		
48-8M01	13959		
14.6 x 25.5 Pito	ch LH SS 4 BL		
48-8M01	13958		
14.6 x 25.5 Pito	ch RH SS 4 BL		
48-8M01	13957		
14.6 x 25 Pitch	LH SS 4 BL		
48-8M01	13956		
14.6 x 25 Pitch	RH SS 4 BL		
48-8M01	13955		
14.6 x 24.5 Pito	ch LH SS 4 BL		
48-8M01	13954		
14.6 x 24.5 Pito	ch RH SS 4 BL		
48-8M01	13953		
14.6 x 24 Pitch	LH SS 4 BL		
48-8M01	13952		
14.6 x 24 Pitch	RH SS 4 BL		
48-8M01	13951		
14.6 x 23.5 Pito	ch LH SS 4 BL		
48-8M01	13950		
14.6 x 23.5 Pito	ch RH SS 4 BL		
48-8M01	13949		
14.6 x 23 Pitch	LH SS 4 BL		
48-8M01	13948		
14.6 x 23 Pitch	RH SS 4 BL		
48-8M01	13947		
14.6 x 22.5 Pito	ch LH SS 4 BL		
48-8M01	13946		
14.6 x 22.5 Pito	ch RH SS 4 BL		
48-8M01	13945		
14.6 x 22 Pitch	LH SS 4 BL		
48-8M01	13944		
14.6 x 22 Pitch	RH SS 4 BL		
48-8M01	13943		
14.6 x 21.5 Pito	ch LH SS 4 BL		
48-8M01	13942		
14.6 x 21.5 Pito	ch RH SS 4 BL		
48-8M01	13941		
14.6 x 21 Pitch	LH SS 4 BL		
48-8M01	13940		
14.6 x 21 Pitch	RH SS 4 BL		
48-8M01	13939		
14.6 x 20.5 Pito	ch LH SS 4 BL		
48-8M01	13938		
14.6 x 20.5 Pito	ch RH SS 4 BL		
48-8M01	13937		
14.6 x 20 Pitch	LH SS 4 BL		
48-8M01	13936		
14.6 x 20 Pitch	RH SS 4 BL		
48-8M01			
14.6 x 19.5 Pito			
48-8M01			
14.6 x 19.5 Pito			
48-8M01			
14.6 x 19 Pitch			
48-8M01			
14.6 x 19 Pitch			
48-8M01			
14.6 x 18.5 Pito			
	00 TDL		

48-8M0113930

14.6 x 18.5 Pitch RH SS 4 BL

48-8M0113929

14.6 x 18 Pitch LH SS 4 BL

48-8M0113928

14.6 x 18 Pitch RH SS 4 BL

48-8M0142117

14.6 x 17 Pitch LH SS 4 BL

48-8M0142118

14.6 x 17 Pitch RH SS 4 BL

48-8M0142115

14.6 x 16 Pitch LH SS 4 BL

48-8M0142116

14.6 x 16 Pitch RH SS 4 BL

48-8M0142113

14.6 x 15 Pitch LH SS 4 BL

48-8M0142114

14.6 x 15 Pitch RH SS 4 BL

48-8M0142111

14.6 x 14 Pitch LH SS 4 BL

48-8M0142112

14.6 x 14 Pitch RH SS 4 BL

48-8M0142110

14.6 x 13 Pitch RH SS 4 BL

# **ENERTIA ECO XP**

The Enertia ECO XP is offered in one half pitch icrements for extreme precision to dial in your outboard engines rpm maximizing performance and fuel economy at cruising speeds. Ideal for long distance running center consoles, the Enertia ECO XP's large diameter and high progressive rake provide additional bow lift reducing boat drag. Benefits include 10 percent fuel gains, durable X7 stainless steel alloy and eligible for Joy Stick Piloting outboards. Hub kit sold separately; 835258K2 for 1 inch and 840389K06 or 840389Q06 for 1.25 inch propshaft.

Recommended on single to quad engine center console and bay boats with min 200 HP.



#### **ENERTIA ECO XP PROPELLER**



48-8M0108357

16 x 22.5 Pitch LH X7 SS 3 BL

48-8M0108354

16 x 22.5 Pitch RH X7 SS 3 BL

48-8M0119057

16 x 21.5 Pitch LH X7 SS 3 BL

48-8M0119058

16 x 21.5 Pitch RH X7 SS 3 BL

48-8M0108353

16 x 20.5 Pitch X7 LH SS 3 BL

48-8M0108352

16 x 20.5 Pitch RH X7 SS 3 BL

48-8M0119055

16 x 19.5 Pitch LH X7 SS 3 BL

48-8M0119056

16 x 19.5 Pitch RH X7 SS 3 BL

48-8M0108351

16 x 18.5 Pitch LH X7 SS 3 BL

48-8M0108350

16 x 18.5 Pitch RH SS 3 BL

48-8M0119053

16 x 17.5 Pitch LH X7 SS 3 BL

48-8M0119052

16 x 17.5 Pitch RH X7 SS 3 BL

48-8M0110303

16 x 16.5 Pitch LH X7 SS 3 BL

48-8M0110304

16 x 16.5 Pitch RH X7 SS 3 BL

#### **REVOLUTION 4 LAB FINISHED**

Mercury Racing Lab Finished Revolution 4 the prop is designed to increase speed for Center Console boats. Eligible for Joy Stick Piloting outboards. Expect to gain 150 rpm over the stock Rev 4. Hub kit sold separately; 835258K2 for 1 inch and 840389K06 or 840389Q06 for 1.25 inch propshaft.

#### **REVOLUTION 4 LAB FINISH PROPELLER**



#### 48-857032L55

14.6 x 25 Pitch RH SS Polished Lab Finished

48-857033L55

14.6 x 25 Pitch LH SS Polished Lab Finished

48-8M0106544

14.6 x 24 Pitch RH SS Polished Lab Finished

48-8M0106543

14.6 x 24 Pitch LH SS Polished Lab Finished

48-857030L55

14.6 x 23 Pitch RH SS Polished Lab Finished

48-857031L55

14.6 x 23 Pitch LH SS Polished Lab Finished

48-8M0106546

14.6 x 22 Pitch RH SS Polished Lab Finished

48-8M0106545

14.6 x 22 Pitch LH SS Polished Lab Finished

48-857028L55

14.6 x 21 Pitch RH SS Polished Lab Finished

48-857029L55

14.6 x 21 Pitch LH SS Polished Lab Finished

48-8M0106548

14.6 x 20 Pitch RH SS Polished Lab Finished

48-8M0106547

14.6 x 20 Pitch LH SS Polished Lab Finished

48-857026L55

14.6 x 19 Pitch RH SS Polished Lab Finished

48-857027L55

14.6 x 19 Pitch LH SS Polished Lab Finished

# **BRAVO I OC LAB FINISHED**

The Mercury Racing Bravo I OC high polised Lab Finished propellers are designed for up to 400 HP Outboard Catamarans equipped with Sport Master gearcase or single outboard high speed boats. The four blades with dual PVS vent holes offer excellant planing, great handling, awesome mid-range acceleration and the tuned shortened exhaust tube provides bow and minimal stern lift for awesome top end speed. Equipped with 8 PVS solid fittings. Hub kit sold separately, 840389K06 for 1.25 inch propshaft.

#### **BRAVO I OC PROPELLER**



48-8M0092012

14.75 x 33 Pitch RH SS 4 BL Polished Lab Finished

48-8M0092013

14.75 x 33 Pitch LH SS 4 BL Polished Lab Finished

48-8M0092010

14.75 x 32 Pitch RH SS 4 BL Polished Lab Finished

48-8M0092011

14.75 x 32 Pitch LH SS 4 BL Polished Lab Finished

48-8M0092008

14.75 x 31 Pitch RH SS 4 BL Polished Lab Finished

48-8M0092009

14.75 x 31 Pitch LH SS 4 BL Polished Lab Finished

48-8M0092006

14.75 x 30 Pitch RH SS 4 BL Polished Lab Finished

48-8M0092007

14.75 x 30 Pitch LH SS 4 BL Polished Lab Finished

48-8M0092004

14.75 x 29 Pitch RH SS 4 BL Polished Lab Finished

48-8M0092005

14.75 x 29 Pitch LH SS 4 BL Polished Lab Finished

48-8M0092002

14.75 x 28 Pitch RH SS 4 BL Polished Lab Finished

48-8M0092003

14.75 x 28 Pitch LH SS 4 BL Polished Lab Finished

48-8M0129149

14.75 x 27 Pitch RH SS 4 BL Polished Lab Finished

48-8M0129148

14.75 x 26.5 Pitch RH SS 4 BL Polished Lab Finished

48-8M0129147

14.75 x 26 Pitch RH SS 4 BL Polished Lab Finished

8M0144046

14.75 x 25.5 Pitch RH SS 4 BL Polished Lab Finished

8M0144044

14.75 x 24.5 Pitch RH SS 4 BL Polished Lab Finished

8M0144042

14.75 x 23.5 Pitch RH SS 4 BL Polished Lab Finished

#### 8M0144040

14.75 x 22.5 Pitch RH SS 4 BL Polished Lab Finished

# BRAVO I LAB FINISHED

Mercury Racing Polished Lab Finished Bravo I propellers are designed for high-performance, 250 - 400R four stroke outboard and Bravo I, Sport and Sport Master sterndrive applications. Excellent top speeds, great handling, good mid-range speeds and great planing performance for Vee, Cats and Step hulls.

Hub kits sold separately, 835258K2 for 1 inch and 840389K06 for 1.25 inch propshaft.

#### **BRAVO I LAB FINISHED PROPELLER**



48-831919L45

15.25 X 33 Pitch LH SS Polished Lab Finished

48-831920L45

15.25 X 33 Pitch RH SS Polished Lab Finished

48-831919L65

15.25 X 32 Pitch LH SS Polished Lab Finished

48-831920L65

15.25 X 32 Pitch RH SS Polished Lab Finished

48-831917L45

15.25 X 31 Pitch LH SS Polished Lab Finished

48-831918L45

15.25 X 31 Pitch RH SS Polished Lab Finished

48-831917L65

15.25 X 30 Pitch LH SS Polished Lab Finished

48-831918L65

15.25 X 30 Pitch RH SS Polished Lab Finished

48-8319151 45

15.25 X 29 Pitch LH SS Polished Lab Finished

48-831916L45

15.25 X 29 Pitch RH SS Polished Lab Finished

48-831915L65

15.25 X 28 Pitch LH SS Polished Lab Finished

48-831916L65

15.25 X 28 Pitch RH SS Polished Lab Finished

48-831913L45

15.25 X 27 Pitch LH SS Polished Lab Finished

48-831914L45

15.25 X 27 Pitch RH SS Polished Lab Finished

48-831913L65

15.25 X 26 Pitch LH SS Polished Lab Finished

48-831914L65

15.25 X 26 Pitch RH SS Polished Lab Finished

48-831911L45

15.25 x 25 Pitch LH SS Polished Lab Finished

48-831912L45

15.25 x 25 Pitch RH SS Polished Lab Finished

48-831911L65

15.25 X 24 Pitch LH SS Polished Lab Finished

48-831912L65

15.25 X 24 Pitch RH SS Polished Lab Finished

48-8M0073457

15.25 X 23 Pitch LH, SS Polished Lab Finished

48-8M0073456

15.25 X 23 Pitch RH SS Polished Lab Finished

48-831909L65

15.25 X 22 Pitch LH SS Polished Lab Finished

48-831910L65

15.25 X 22 Pitch RH SS Polished Lab Finished

# **MAX 5 LAB FINISHED**

300-600 HP

Mercury Racing Lab Finished MAX 5 blade is designed for high performance Outboard Center Console and Cats with high gearcase height. Sterndrive Sport Deck, Cats and Modified Cats also benefit from enhanced top speeds, great handling, good mid-range throttle response and quick planing performance.

With a diameter of 15 inches and having 5 blades, the Max 5 holds more water and offers less slip than it's 4 blade counterparts. For the 1.25 inch prop shaft use 840389K06 HD Hub kit and for 1 inch prop shaft use hub kit 835258K2.

#### **MAX 5 PROPELLER**



#### 48-8M0118017

15 x 34 Pitch LH, SS Polished LAB

48-8M0118016

15 x 34 Pitch RH, SS Polished LAB

48-8M0118015

15 x 33.5 Pitch LH, SS Polished LAB

48-8M0118014

15 x 33 5 Pitch RH SS Polished LAB

48-8M0118013

15 x 33 Polished LH, SS Polished LAB

48-8M0118012

15 x 33 Pitch RH, SS Polished LAB

48-8M0131167

15 x 32.8 Pitch LH, SS Polished LAB

48-8M0131166

15 x 32.8 RH, SS Polished LAB

48-8M0131165

15 x 32.3 Pitch LH, SS Polished LAB

48-8M0131164

15 x 32.3 Pitch RH, SS Polished LAB

48-8M0118011

15 x 32 Pitch LH, SS Polished LAB 48-8M0118010

15 x 32 Pitch RH, SS Polished LAB

48-8M0118009

15 x 31.5 Pitch LH, SS Polished LAB

48-8M0118008

15 x 31.5 Pitch RH, SS Polished LAB

48-8M0118007

15 x 31 Pitch LH, SS Polished LAB

48-8M0118006

15 x 31 Pitch RH, SS Polished LAB

48-8M0131163

15 x 30.8 Pitch LH, SS Polished LAB

48-8M0131162

15 x 30.8 Pitch RH SS Polished LAB

48-8M0131161

15 x 30.3 Pitch LH SS Polished LAB

48-8M0131160

15 x 30.3 Pitch RH SS Polished LAB

48-8M0118005

15 x 30 Pitch LH, SS Polished LAB

48-8M0118004

15 x 30 Pitch RH, SS Polished LAB

48-8M0118003

15 x 29.5 Pitch LH, SS Polished LAB

48-8M0118002

15 x 29.5 Pitch RH, SS Polished LAB

48-8M0118001

15 x 29 Pitch LH, SS Polished LAB

48-8M0118000 15 x 29 Pitch RH, SS Polished LAB

48-8M0131159

15 x 28.8 Pitch LH SS Polished LAB

48-8M0131158

15 x 28.8 Pitch RH SS Polished LAB

48-8M0131157

15 x 28.3 Pitch LH SS Polished LAB

48-8M0131156

15 x 28.3 Pitch RH SS Polished LAB

48-8M0117999 15 x 28 Pitch LH, SS Polished LAB

48-8M0117998

15 x 28 Pitch RH, SS Polished LAB

48-8M0117997

15 x 27.5 Pitch LH, SS Polished LAB 48-8M0117996

15 x 27.5 Pitch RH, SS Polished LAB

48-8M0117995

15 x 27 Pitch LH, SS Polished LAB

48-8M0117994

15 x 27 Pitch RH, SS Polished LAB

48-8M0131155

15 x 26.8 Pitch LH SS Polished LAB

48-8M0131154

15 x 26.8 Pitch RH SS Polished LAB

48-8M0131153

15 x 26.3 Pitch LH SS Polished LAB

48-8M0131152

15 x 26.3 Pitch RH SS Polished LAB

48-8M0117993

15 x 26 Pitch LH. SS Polished LAB

48-8M0117992

15 x 26 Pitch RH, SS Polished LAB

48-8M0117991

15 x 25.5 Pitch LH, SS Polished LAB

48-8M0117990

15 x 25.5 Pitch RH, SS Polished LAB

48-8M0117989

15 x 25 Pitch LH, SS Polished LAB

48-8M0117988

15 x 25 Pitch RH, SS Polished LAB

48-8M0131151
15 x 24.8 Pitch LH SS Polished LAB
48-8M0131150
15 x 24.8 Pitch RH SS Polished LAB
48-8M0131149
15 x 24.3 Pitch LH SS Polished LAB
48-8M0131148
15 x 24.3 Pitch RH SS Polished LAB
48-8M0117987
15 x 24 Pitch LH, SS Polished LAB
48-8M0117986
15 x 24 Pitch RH, SS Polished LAB
48-8M0117985
15 x 23.5 Pitch LH, SS Polished LAB
48-8M0117984
15 x 23.5 Pitch RH, SS Polished LAB
48-8M0117983
15 x 23 Polished LH, SS Polished LAB
48-8M0117982
15 x 23 Pitch RH, SS Polished LAB
48-8M0131147
15 x 22.8 Pitch LH SS Polished LAB
48-8M0131146
15 x 22.8 Pitch RH SS Polished LAB
48-8M0131145
15 x 22.3 Pitch LH SS Polished LAB
48-8M0131144
15 x 22.3 Pitch RH SS Polished LAB

# **MAXIMUS LONG TUBE LAB FINISHED**

300-600 HP

Mercury Racing Lab Finished Maximus propellers are designed to reduce propeller slip with high-performance, high gearcase drive height sterndrive applications. Excellent top speeds, great handling, good mid-range speeds and eye popping planing performance for Deep Vee, Deep Step Vee and Deck boats.

Barrel length is 8.5 inches, adds stern lift. Hub kits are sold seperate, for 1.25 inch prop shaft use 840389K06 HD Hub kit. If using with 1 inch prop shaft use hub kit 835258K 2. If using full 15.625 inch diameter with the XR Sport Master Shorty the anti-cavitation plate must be removed.

# MAXIMUS LONG TUBE LAB FINISHED PROPELLER



48-889973L85

15.63 X 35 Pitch LH, SS Lab Finished

48-889973L84

15.3 X 35 Pitch LH. SS Lab Finished

48-889972L85

15.63X 35 Pitch RH, SS Lab Finished

48-889972L84

15.3 X 35 Pitch RH, SS Lab Finished

48-889973L65

15.63 X 34 Pitch LH, SS Lab Finished

48-889973L64

15.3 X 34 Pitch LH, SS Lab Finished

48-889973L63

15 X 34 Pitch LH, SS Lab Finished

48-889972L65

15.63 X 34 Pitch RH, SS Lab Finished

48-889972L64

15.3 X 34 Pitch RH, SS Lab Finished

48-889972L63

15 X 34 Pitch RH, SS Lab Finished

48-889973L45

15.63 X 33 Pitch LH, SS Lab Finished

48-889973L44

15.3 X 33 Pitch LH. SS Lab Finished 48-889972L45

15.63 X 33 Pitch RH, SS Lab Finished

48-889972L44

15.3 X 33 Pitch RH, SS Lab Finished

48-889971L65

15.63 X 32 Pitch LH, SS Lab Finished

48-889971L64

15.3 X 32 Pitch LH, SS Lab Finished

48-889971L63

15 X 32 Pitch LH, SS Lab Finished

48-889970L65

15.63 X 32 Pitch RH, SS Lab Finished

48-889970L64

15.3 X 32 Pitch RH, SS Lab Finished

48-889970L63

15 X 32 Pitch RH, SS Lab Finished

48-889971L45

15.63 X 31 Pitch LH, SS Lab Finished

48-889971L44

15.3 X 31 Pitch LH, SS Lab Finished

48-889970L45

15.63 X 31 Pitch RH, SS Lab Finished 48-889970L44

15.3 X 31 Pitch RH, SS Lab Finished

48-889969L65

15.63 X 30 Pitch LH, SS Lab Finished

48-889969L64 15.3 X 30 Pitch LH, SS Lab Finished

48-889969L63

15 X 30 Pitch LH, SS Lab Finished

48-889968L65

15.63 X 30 Pitch RH, SS Lab Finished

48-889968L64

15.3 X 30 Pitch RH, SS Lab Finished

48-889968L63

15 X 30 Pitch RH, SS Lab Finished

48-889969L45

15.63 X 29 Pitch LH, SS Lab Finished

48-889969L44

15.3 X 29 Pitch LH, SS Lab Finished

48-889968L45

15.63 X 29 Pitch RH, SS Lab Finished

48-889968L44

15.3 X 29 Pitch RH, SS Lab Finished

48-889967L65

15.63 X 28 Pitch LH, SS Lab Finished

48-889967L64

15.3 X 28 Pitch LH, SS Lab Finished

48-889967L63

15 X 28 Pitch LH, SS Lab Finished

48-889966L65

15.63 X 28 Pitch RH, SS Lab Finished

48-889966L64

15.3 X 28 RH, SS Lab Finished

48-889966L63

15 X 28 Pitch RH SS Lab Finished

48-889967L45

15.63 X 27 Pitch LH, SS Lab Finished

48-889967L44

15.3 X 27 LH, SS Lab Finished

48-889966L45

15.63 X 27 RH, SS Lab Finished

48-889966L44

15.3 X 27 Pitch RH, SS 5 Lab Finished

48-889965L65

15.63 X 26 Pitch LH, SS Lab Finished

48-889965L64

15.3 X 26 Pitch LH, SS Lab Finished

48-889965L63

15 X 26 Pitch LH, SS Lab Finished

48-8899641 65

15.63 X 26 Pitch RH. SS Lab Finished

48-889964L64

15.3 X 26 Pitch RH. SS Lab Finished

48-889964L63

15 X 26 Pitch RH, SS Lab Finished

48-889965L45

15.63 X 25 Pitch LH, SS Lab Finished

48-8899651 44

15.3 X 25 Pitch LH, SS Lab Finished

48-889964L45

15.63 X 25 Pitch RH, SS Lab Finished

48-889964L44

15.3 X 25 Pitch RH, SS Lab Finished

48-889975L65

15.63 X 24 Pitch LH, SS Lab Finished

48-889975L64

15.3 X 24 Pitch LH, SS Lab Finished

48-889975L63 15 X 24 Pitch LH, SS Lab Finished

48-889974L65

15.63 X 24 Pitch RH, SS Lab Finished

48-889974L64

15.3 X 24 Pitch RH, SS Lab Finished

48-889974L63

15 X 24 Pitch RH, SS Lab Finished 48-889975L45

15.63 X 23 Pitch LH, SS Lab Finished

48-889975L44 15.3 X 23 Pitch LH. SS Lab Finished

48-889974L45

15.63 X 23 Pitch RH. SS Lab Finished

48-889974L44

15.3 X 23 Pitch RH, SS Lab Finished

# **MAXIMUS SHORT TUBE LAB FINISHED**

300-600 HP

Mercury Racing Lab Finished Maximus propellers are designed to reduce propeller slip for high-performance, high gearcase drive height sterndrive applications. Excellent top speeds, great handling, good mid-range speeds and eye popping planing performance for Vee, Step Vee, Cats and Deck boats.

Barrel length is 7.875 inches reduces stern lift. Hub kits sold seperate, for 1.25 inch prop shaft use 840389K06 HD Hub kit and for 1 inch prop shaft use hub kit 835258K 2. If using full 15.625 inch diameter with the XR Sport Master Shorty the anti-cavitation plate must be removed.

#### MAXIMUS SHORT TUBE LAB FINISHED PROPELLER



48-889973L89

15.63 X 35 Pitch LH, SS Lab (2017 upgrading to Polished) Finished

48-889973L88

15.3 X 35 Pitch LH, SS Lab (2017 upgrading to Polished) Finished

48-889972L89

15.63 X 35 Pitch RH, SS Lab (2017 upgrading to Polished) Finished

48-889972L88

15.3 X 35 Pitch RH, SS Lab (2017 upgrading to Polished) Finished

48-889973L69

15.63 X 34 Pitch LH, SS Lab (2017 upgrading to Polished) Finished

48-889973L68

15.3 X 34 Pitch LH, SS Lab (2017 upgrading to Polished) Finished

48-889972L69

15.63 X 34 Pitch RH, SS Lab (2017 upgrading to Polished) Finished

48-889972L68

15.3 X 34 Pitch RH, SS Lab (2017 upgrading to Polished) Finished

48-889973L49

15.63 X 33 Pitch LH, SS Lab (2017 upgrading to Polished) Finished

48-889973L48

15.3 X 33 Pitch LH, SS Lab (2017 upgrading to Polished) Finished

48-889972L49

15.63 X 33 Pitch RH, SS Lab (2017 upgrading to Polished) Finished

48-889972L48

15.3 X 33 Pitch RH, SS Lab (2017 upgrading to Polished) Finished 48-889971L69

15.63 X 32 Pitch LH, SS Lab (2017 upgrading to Polished) Finished

48-889971L68

15.3 X 32 Pitch LH, SS Lab (2017 upgrading to Polished) Finished 48-889970L69

15.63 X 32 Pitch RH, SS Lab (2017 upgrading to Polished) Finished 48-889970L68

15.3 X 32 Pitch RH, SS Lab (2017 upgrading to Polished) Finished

48-889971L49 15.63 31 Pitch LH, SS Lab (2017 upgrading to Polished) Finished

48-889971L48 15.25 X 31 LH, SS 5BL Lab (2017 upgrading to Polished) Finished.

48-889970L49

15.63 X 31 Pitch RH, SS Lab (2017 upgrading to Polished) Finished

- 48-889970L48
- 15.3 X 31 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889969L69
- 15.63 X 30 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889969L68
- 15.3 X 30 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889968L69
- 15.63 X 30 RH, SS 5BL Lab (2017 upgrading to Polished) Finished.
  - 48-889968L68
- 15.3 X 30 RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889969L49
- 15.63 X 29 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889969L48
- 15.3 X 29 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889968L49
- 15.63 X 29 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889968L48
- 15.3 X 29 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889967L69
- 15.63 X 28 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889967L68
- 15.3 X 28 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
- 48-889966L69
- 15.63 X 28 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889966L68
- 15.3 X 28 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889967L49
- 15.63 X 27 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889967L48
- 15.3 X 27 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889966L49
- 15.63 X 27 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889966L48
- 15.3 X 27 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889965L69
- 15.63 X 26 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889965L68
- 15.3 X 26 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889964L69
- 15.63 X 26 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889964L68
- $15.3\;\mbox{X}$  26 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889965L49
- 15.63 X 25 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889965L48
- 15.3 X 25 LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889964L49
- $15.63\ X\ 25\ Pitch\ RH,\ SS\ Lab\ (2017\ upgrading\ to\ Polished)$  Finished
  - 48-889964L48
- 15.3 X 25 RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889975L69
- 15.63 X 24 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889975L68
- 15.3 X 24 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889974L69
- 15.63 X 24 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889974L68
- 15.25 X 24 Pitch RH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889975L49
- 15.63 X 23 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889975L48
- 15.25 X 23 Pitch LH, SS Lab (2017 upgrading to Polished) Finished
  - 48-889974L49
- 15.63 X 23 Pitch RH, SS Lab (2017 upgrading to Polished) Finished

#### 48-889974L48

15.25 X 23 Pitch RH, SS Lab (2017 upgrading to Polished) Finished

#### **BRAVO THREE XR PRO FINISHED**

Designed for 250-520 horsepower gas and diesel powered sport cruisers and performance Bravo Three applications. A large diameter 4 blade forward propeller followed by a smaller diameter 3 blade aft propeller feature built in cup for incredible handling, improved fuel economy at cruise and boat control. Intended for the Bravo Three XR drive and can be used with the Bravo Three and Bravo Three X drives. The Pro Finish provides a performance leading edge, consistent cup heights, zero balanced for minimal vibration and durable high luster finish

As a general rule the odd pitch numbered Bravo Three XR propellers run similar engine RPM to the next higher pitch even numbered Bravo Three propellers. For example, the Bravo Three XR 27 pitch matches the RPM of a Bravo Three 28 pitch with satin finish.

#### **BRAVO THREE XR PRO FINISHED PROPELLER**



- 48-842945L80
- 15.5 x 28 Pitch LH SS 4 BL High Gloss Front
  - 48-842946L80
- 14.5 x 28 Pitch RH, SS 3 BL High Gloss Rear
  - 48-8M0125747
- 15.5 x 27.5 Pitch LH, SS 4 BL High Polished Forward
  - 48-8M0125746
- 14.5 x 27.5 Pitch RH, SS 3 BL High Gloss Rear
  - 48-842945L70
- 15.5 x 27 Pitch LH, SS 4 BL High Gloss Front
  - 48-842946L70
- 14.5 x 27 Pitch RH, SS 3 BL High Gloss Rear
  - 48-842943L80
- 15.8 X 26 Pitch LH, SS 4 BL High Gloss Front
  - 48-842944L80
- 14.8 X 26 Pitch RH, SS 3 BL High Gloss Rear
  - 48-8M0125745
- 15.8 x 25.5 Pitch LH, SS 4 BL High Polished Forward
  - 48-8M0125744
- 14.8 x 25.5 Pitch RH, SS 3 BL High Gloss Rear
  - 48-842943L70
- 15.8 x 25 Pitch LH, SS 4 BL High Gloss Front
  - 48-842944L70
- 14.8 x 25 Pitch RH, SS 3 BL High Gloss Rear
  - 48-842941L80
- 16 X 24 Pitch LH, SS 4 BL High Gloss Front
  - 48-842942L80
- 15 X 24 Pitch RH, SS 3 BL High Gloss Rear
  - 48-8M0125743
- 16 x 23.5 Pitch LH, SS 4 BL High Gloss -Forward 48-8M0125742
- 15 x 23.5 Pitch RH, SS 3 BL High Gloss Rear 48-842941L70
- 16 x 23 Pitch LH, SS 4 BL High Gloss Front

#### MERCURY RACING PROPELLER TYPE

- 48-842942L70
- 15 x 23 Pitch RH, SS 3 BL High Gloss Rear
  - 48-8M0073458
- 16 x 22 Pitch LH SS 4 BL High Gloss Front
  - 48-8M0073459
- 15 x 22 Pitch RH SS 3 BL High Gloss Rear
- 48-8M0125741
- 16 x 21.5 Pitch LH, SS 4 BL High Gloss Forward
- 48-8M0125740
- 15 x 21.5 Pitch RH, SS 3 BL High Gloss Rear
  - 48-842939L70
- 16 x 21 Pitch LH SS 4 BL High Gloss Front
  - 48-842940L70
- 15 x 21 Pitch RH SS 3 BL High Gloss Rear
  - 48-8M0125739
- 16 x 20 Pitch LH, SS 4 BL Hogh Gloss Forward
  - 48-8M0125738
- 15 x 20 Pitch RH, SS 3 BL High Gloss Rear

# CNC CLEAVER 5 BLADE 15 DEGREE RAKE LAB FINISHED

600 HP, 900 HP, 1200 HP and 1550 HP 822974 Six and 8M drive bushing 822975 Retaining ring

degree rake available - contact Mercury Racing).

11-826135 Nylon Insert, 8M0035647 Brass, 11-39817 Washer and nuts for SSM Six and M8

For use with Mercury Racing IIIA, IV, V, NXT (NXT1 requires hub kit 8M8022263 - sold separate), VI SSM and M8 Sterndrive. The CNC Pro Finish propellers have a 26 Spline hub with 1.75/1.88 inch (44.5/47.7mm) O.D. propeller shaft and 6 inch (152mm) hub length. The 15 degree rake propellers are designed specifically for step Vee hulls, diameters from 15 inch to 18 inch and pitch from 26 inch to 40 inch (custom order 41 and 42 inch pitch,14.5" diameters and limited 13

If moving from the old style 5 blade Cleaver to the new style 5 blade CNC Cleaver generally move up 2 inch of pitch; example if old style was 17 x 33 move to 17 x 35 CNC Cleaver.

As a general rule for every 1 inch of pitch change, the effect will typically be 150 RPM change. For every .50 inch of diameter change, the effect will typically be 150 RPM change.

For a complete listing of part numbers see Mercury Racing Propeller chart section.

# CNC CLEAVER 5 BLADE 18 DEGREE RAKE LAB FINISHED

600 HP, 900 HP, 1200 HP and 1550 HP 822974 Six and 8M drive bushing 822975 Retaining ring

11-826135 Nylon Insert,  $\,$  8M0035647 Brass, 11-39817 Washer and nuts for SSM Six and M8  $\,$ 

For use with Mercury Racing IIIA, IV, V, NXT (NXT1 requires hub kit 8M8022263 - sold separate), VI SSM and M8 Sterndrive. The CNC Pro Finish propellers have a 26 Spline hub with 1.75/1.88 inch (44.5/47.7mm) O.D. propeller shaft and 6 inch (152mm) hub length. Custom order 41 and 42 inch pitch available contact Mercury Racing. For a complete listing of part numbers see Mercury Racing Propeller chart section.

# CNC CLEAVER 5 BLADE 21 DEGREE RAKE LAB FINISHED

600 HP, 900 HP, 1200 HP and 1550 HP 822974 Six and 8M drive bushing 822975 Retaining ring

11-826 35 Nylon Insert, 8M0035647 Brass, 11-39817 Washer and nuts for SSM Six and M8

For use with Mercury Racing IIIA, IV, V, NXT (NXT1 requires hub kit 8M8022263 - sold separate), VI SSM and M8 Sterndrive. The CNC Pro Finish propellers have a 26 Spline hub with 1.75/1.88 inch (44.5/47.7mm) O.D. propeller shaft and 6 inch (152mm) hub length. Custom order 41 and 42 inch pitch available contact Mercury Racing. For a complete listing of part numbers see Mercury Racing Propeller chart section.

#### **CNC CLEAVER 6 BLADE 15 DEGREE RAKE LAB FINISHED**

600 HP, 900 HP, 1200 HP and 1550 HP(custom order) Six and 8M drive bushing

822974 822975

Retaining ring 11-826135 Nylon Insert, 8M0035647 Brass, 11-39817 Washer and nuts for SSM Six and M8

For use with Mercury Racing IIIA, IV, V, NXT (NXT1 requires hub kit 8M8022263 - sold separate), VI SSM and M8 Sterndrive. The CNC Pro Finish propellers have a 26 Spline hub with 1.75/1.88 inch (44.5/47.7mm) O.D. propeller shaft and 6 inch (152mm) hub length. For a complete listing of part numbers see Mercury Racing Propeller chart section.

#### **CNC CLEAVER 6 BLADE 18 DEGREE RAKE LAB FINISHED**

600 HP, 900 HP, 1200 HP and 1550 HP(custom order) 822974 Six and 8M drive bushing 822975 Retaining ring 11-826135 Nylon Insert, 8M0035647 Brass, 11-39817 Washer and nuts for SSM Six and M8 For use with Mercury Racing IIIA, IV, V, NXT (NXT1 requires hub kit 8M8022263 - sold separate), VI SSM and M8 Sterndrive. The CNC Pro Finish propellers have a 26 Spline hub with 1.75/1.88 inch (44.5/47.7mm) O.D. propeller shaft and 6 inch (152mm) hub length. Custom order 41 and 42 inch pitch available contact Mercury Racing. For a complete listing of part numbers see Mercury Racing Propeller chart section.

#### **CNC CLEAVER 6 BLADE 21 DEGREE RAKE LAB FINISHED**

600 HP, 900 HP, 1200 HP and 1550 HP(custom order) 822974 Six and 8M drive bushing 822975 Retaining ring

11-826135 Nylon Insert, 8M0035647 Brass, 11-39817 Washer and nuts for SSM Six and M8

For use with Mercury Racing IIIA, IV, V, NXT (NXT1 requires hub kit 8M8022263 - sold separate), VI SSM and M8 Sterndrive. The CNC Pro Finish propellers have a 26 Spline hub with 1.75/1.88 inch (44.5/47.7mm) O.D. propeller shaft and 6 inch (152mm) hub length. Custom order 41 and 42 inch pitch available contact Mercury Racing. For a complete listing of part numbers see Mercury Racing Propeller chart section.

#### MERCURY RACING PROPELLER CHARTS

### **LIGHTNING E.T. - 3 BLADE SS**



# 3 Blade Heat Treated X7 Stainless Steel - Lightning E.T. - Outboard Propeller

Hub Kit Sold Separately 835258K1 for 1 inch and 840389K06 for 1.25 inch Propshaft

Diameter	Pitch	Lab Finished LH Rotation	Lab Finished RH Rotation
14.5	26	N.L.A.	48- <b>849246L62</b>
14.5	28	N.L.A.	48- <b>849248L62</b>
14.5	30	N.L.A.	48-849506L62
14.5	32	N.L.A.	48-849508L62

### PRO MAX ® - 4 BLADE STAINLESS STEEL



#### Pro Max. ® 4 Blade X7 Stainless Steel Outboard Propeller Chart

Outboard 115 to 400 HP Over and Through Hub Exhaust. Equipped with four PVS vent holes. For additional vent control use VCR Ring 8M0086395. Hub Kit Sold Separately: 835257K6 for 1 inch, high surfacing applications use 835258K2 for 1 inch. and 840389K06 for 1.25 inch Propshaft.

Diameter (Inches)	Pitch	Blade	Pro Finished LH Rotation	Lab Finished LH Rotation	Pro Finished RH Rotation	Lab Finished RH Rotation
14.5	22.5	4	N/A	N/A	48-8M0112981	N/A
14.5	23	4	N/A	N/A	48- <b>8M0079698</b>	N/A
14.5	23.5	4	N/A	N/A	48-8M0112982	N/A
14.5	24	4	N/A	N/A	48- <b>8M0079699</b>	48- <b>8M0079692</b>
14.5	24.5	4	N/A	N/A	48-8M0112983	N/A
14.5	25	4	N/A	N/A	48- <b>8M0079700</b>	N/A
14.5	25.5	4	N/A	N/A	48- <b>8M0112984</b>	N/A
14.5	26	4	N/A	N/A	48- <b>8M0079701</b>	48- <b>8M0079693</b>
14.5	26.5	4	N/A	N/A	48-8M0112985	N/A
14.5	27	4	N/A	N/A	48- <b>8M0079702</b>	N/A
14.5	27.5	4	N/A	N/A	48-8M0112986	N/A
14.5	28	4	N/A	N/A	48- <b>8M0079703</b>	48- <b>8M0079694</b>
14.5	28.5	4	N/A	N/A	48- <b>8M0112987</b>	N/A
14.5	29	4	N/A	N/A	48- <b>8M0079704</b>	N/A
14.5	29.5	4	N/A	N/A	48- <b>8M0112988</b>	N/A
14.5	30	4	N/A	N/A	48- <b>8M0079705</b>	48- <b>8M0079695</b>
14.5	30.5	4	N/A	N/A	48- <b>8M0112989</b>	N/A
14.5	31	4	N/A	N/A	48- <b>8M0079706</b>	N/A
14.5	31.5	4	N/A	N/A	48- <b>8M0112990</b>	N/A
14.5	32	4	N/A	N/A	48- <b>8M0079707</b>	48-8M0079696

#### **BRAVO I LT PRO FINISHED**



#### **Bravo I LT Pro Finished Outboard**

Designed for single engine outboard powered bass, bay and multi-species hulls with heavy loads.

As multi-species boats get wider, longer and heavier the LT with its long tube can offer faster planing and trim attributes supporting the weight located in the front of the boat. The one half pitch increments increase the ability to dial in the targeted rpm at WOT. Expect 75 to 80 rpm change for each half pitch. General rule, move up one inch of pitch from a Tempest Plus or Mirage Plus and one and one half inch pitch up from the Revolution 4. PVS solid fittings included. Hub Kit Sold Separately, for Mercury use 835257K6 or 835258K2 for 1 inch or 840389K06 for 1.25 inch propshaft.

Diameter	Pitch	Pro Finished RH Rotation
15.25	19	48-8M0126236
15.25	19.5	48-8M0126237
15.25	20	48-8M0121589
15.25	20.5	48-8M0121590
15.25	21	48-8M0121591
15.25	21.5	48-8M0121592
15.25	22	48-8M0121593
15.25	22.5	48-8M0121594
15.25	23	48- <b>8M</b> 0121595
15.25	23.5	48-8M0121596
15 .25	24	48-8M0121597
15.25	24.5	48-8M0121598
15.25	25	48- <b>8M0121599</b>
15.25	25.5	48- <b>8M0121600</b>
15.25	26	48- <b>8M0121601</b>
15.25	26.5	48-8M0121602
15.25	27	48-8M0121603
15.25	27.5	48-8M0121604
15.25	28	48-8M0129046
15.25	28.5	48-8M0129048
15.25	29	48-8M0129049

### **BRAVO I XS PRO FINISHED**



#### **Bravo I XS Pro Finished Outboard**

The one half pitch increments allow customers to dial in their engine for maximum performance, expect 75 to 100 rpm change between each one half pitch. PVS solid and large vent hole fittings included. Hub Kit Sold Separately, for Mercury use 835257K6 or 835258K2 for 1 inch or 840389K06 for 1.25 inch propshaft.

Diameter	Pitch	Pro Finished RH Rotation
15.25	22	48-831910L60
15.25	22.5	48-8M0111147
15.25	23	48- <b>831910L80</b>
15.25	23.5	48- <b>8</b> M0100104
15.25	24	48-831912L60
15.25	24.5	48- <b>8M0111148</b>
15.25	25	48-831912L80
15.25	25.5	48-8M0100105
15 .25	26	48-831914L60
15.25	26.5	48- <b>8</b> M0111149
15.25	27	48-831914L80
15.25	27.5	48-8M0100106
15.25	28	48-831916L60
15.25	28.5	48-8M0111150
15.25	29	48-831916L80
15.25	29.5	48-8M0100107
15.25	30	48-831918L60
15.25	30.5	48-8M0111151
15.25	31	48-831918L80
15.25	31.5	48-8M0100109

#### **BRAVO I XC PRO FINISHED**



#### **Bravo I XC Pro Finished Outboard**

Designed for shallow water running Flats Boats, this 4 blade offers a tremendous amount of cup, extended barrel for quick planing and added durability. The added cup reduces engine rpm, plan to drop 2 inch pitch compared to standard Bravo I and if running a jack plate consider increased engine height. Hub Kit Sold Separately, for Mercury use 835257K6 or 835258K2 for 1 inch or 840389K06 for 1.25 inch propshaft.

Diameter	Pitch	Pro Finished RH Rotation
15.3	19	48- <b>8M0118468</b>
15.3	20	48- <b>8M0100110</b>
15.3	21	48- <b>8M0118470</b>
15.3	22	48- <b>8M0100111</b>
15.3	24	48- <b>8M0100112</b>

### **BRAVO I FS PRO FINISHED**



#### **Bravo I FS Pro Finished Propeller Chart**

Equipped with PVS, sold fittings installed. Hub Kit Sold separately, for Mercury use 835257K6 or 835258K2 for 1 inch or 840389K06 for 1.25 inch propshaft.

Used with single or multi engine four stroke and Verado's, Low pitch can be used with 150 to 300 OptiMax, all pitches can be used with multi engine 150 to 300 OptiMax and up to 600 HP MerCruiser.

Diameter	Pitch	Pro Finished LH Rotation	Pro Finished RH Rotation
15.25	20	48-8M0090453	48-8M0090451
15.25	20.5	Not Available	48-8M0118469
15.25	21	48-8M0090457	48-8M0090455
15.25	21.5	Not Available	48-8M0118471
15.25	22	48-8M0071088	48-8M0064450
15.25	22.5	Not Available	48-8M0128332
15.25	23	48-8M0071089	48-8M0064468
15.25	23.5	Not Available	In process
15.25	24	48-8M0071090	48-8M0064469
15.25	24.5	Not Available	48-8M0128333
15.25	25	48-8M0071091	48-8M0064470
15.25	25.5	Not Available	48-8M0129397
15.25	26	48-8M0071092	48-8M0064471
15.25	26.5	Not Available	48-8M0128334
15.25	27	48-8M0071093	48-8M0064472
15.25	28	48-8M0071094	48-8M0064473
15.25	28.5	Not Available	48-8M0128335
15.25	29	48-8M0071095	48-8M0064475
15.25	30	48-8M0071096	48- <b>8M0064476</b>
15.25	31	48-8M0071097	48- <b>8M</b> 00 <b>64477</b>
15.25	32	48-8M0104418	48- <b>8M</b> 0104417
15.25	33	48-8M0104420	48-8M0104419

### **ENERTIA ECO XP PROPELLER**



#### **Enertia ECO XP Propeller Chart**

Hub Kit Sold Separately use 835257K6 or 835258K2 for 1 inch or 840389K06 for 1.25 inch Propshaft

Diameter	Pitch	LH Rotation	RH Rotaion
16	16.5	48-8M0110303	48-8M0110304
16	17.5	48-8M0119053	48-8M0119052
16	18.5	48-8M0108351	48-8M0108350
16	19.5	48-8M0119055	48-8M0119056
16	20.5	48-8M0108353	48-8M0108352
16	21.5	48-8M0119057	48-8M0119058
16	22.5	48-8M0108357	48-8M0108354

### **REVOLUTION 4 XP PRO FINISHED PROPELLER**



#### **Revolution 4 XP Pro Finished Chart**

For multi-engine outboard powered Center Console, Bay and work boats. Hub Kits Sold Separately use 835258K2 for 1 inch or 840389K06 for 1.25 inch propshaft.

Diameter	Pitch	Pro Finished LH Rotaion	Pro Finished RH Rotaion
14.6	13	NA	48-8M0142110
14.6	14	48-8M0142111	48-8M0142112
14.6	15	48-8M0142113	48-8M0142114
14.6	16	48-8M0142115	48-8M0142116
14.6	17	48-8M0142117	48-8M0142118
14.6	18	48-8M0113929	48-8M0113928
14.6	18.5	48- <b>8M0113931</b>	48-8M0113930
14.6	19	48-8M0113933	48-8M0113932
14.6	19.5	48-8M0113935	48-8M0113934
14.6	20	48-8M0113937	48-8M0113936
14.6	20.5	48-8M0113939	48-8M0113938
14.6	21	48-8M0113941	48-8M0113940
14.6	21.5	48-8M0113943	48-8M0113942
14.6	22	48-8M0113945	48-8M0113944
14.6	22.5	48-8M0113947	48-8M0113946
14.6	23	48-8M0113949	48-8M0113948
14.6	23.5	48-8M0113951	48-8M0113950
14.6	24	48-8M0113953	48-8M0113952
14.6	24.5	48- <b>8M0113955</b>	48-8M0113954
14.6	25	48- <b>8M0113957</b>	48-8M0113956
14.6	25.5	48- <b>8M0113959</b>	48- <b>8M0113958</b>
14.6	26	48-8M0128847	48-8M0128846
14.6	26.5	48-8M0128850	48-8M0128849

#### **REVOLUTION 4 LAB FINISHED PROPELLER**



#### **Revolution 4 Lab Finished Chart**

For multi-engine outboard powered Center Console and single engine Bay Boats. Hub Kit Sold Separately use 835258K2 for 1 inch or 840389K06 for 1.25 inch Propshaft

Diameter	Pitch	Lab Finished LH Rotaion	Lab Finished RH Rotaion
14.6	19	48-857027L55	48-857026L55
14.6	20	48-8M0106547	48-8M0106548
14.6	21	48-857029L55	48- <b>857028L55</b>
14.6	22	48-8M0106545	48-8M0106546
14.6	23	48- <b>857031L55</b>	48- <b>857030L55</b>
14.6	24	48-8M0106543	48-8M0106544
14.6	25	48-857033L55	48-857032L55

#### **BRAVO I OC LAB FINISHED**



#### **Bravo I OC Lab Finished Outboard Propeller Chart**

Polished Lab Finished, reduced diameter with added tip cup, shortened barrel 1 inch to minimize stern lift and equipped with dual PVS for quick planing. Equipped with 8 PVS solid fittings. Hub Kit Sold separately, 835258K2 for 1 inch or 840389K06 for 1.25 inch propshaft.

Used with Torque or Sport Master gearcase.

Diameter	Pitch	Pro Finished LH Rotation	Pro Finished RH Rotation
14.75	22.5	NA	8M0144040
14.75	23.5	NA	8M0144042
14.75	24.5	NA	8M0144044
14.75	25.5	NA	8M0144046
14.75	26	NA	48-8M0129147
14.75	26.5	NA	48-8M0129148
14.75	27	NA	48-8M0129149
14.75	28	48-8M0092003	48- <b>8M0092002</b>
14.75	29	48-8M0092005	48-8M0092004
14.75	30	48-8M0092007	48- <b>8M0092006</b>
14.75	31	48-8M0092009	48- <b>8M0092008</b>
14.75	32	48-8M0092011	48-8M0092010
14.75	33	48-8M0092013	48-8M0092012

#### **BRAVO I - 4 BLADE SS LAB FINISHED**



# Bravo I 4 Blade SS Lab Finished Sterndrive and 4 Stroke Outboard Chart

Lab Finished Bravo I features Polished finish. Hub Kit Sold separately use 835258K2 for 1 inch and 840389K06 for 1.25 inch Propshaft. The L35 has superseded to the L45 and the L55 superseded to L65.

Diameter	Pitch	Lab Finished LH Rotation	Lab Finished RH Rotation
15.25	22	48-831909L65	48-831910L65
15.25	23	48-8M0073457	48-8M0073456
15.25	24	48-831911L65	48-831912L65
15.25	25	48-831911L45	48-831912L45
15.25	26	48-831913L65	48-831914L65
15.25	27	48-831913L45	48-831914L45
15.25	28	48-831915L65	48-831916L65
15.25	29	48-831915L45	48-831916L45
15.25	30	48-831917L65	48-831918L65
15.25	31	48-831917L45	48-831918L45
15.25	32	48-831919L65	48-831920L65
15.25	33	48-831919L45	48-831920L45
15.25	34	N.L.A.	N.L.A.
15.25	35	N.L.A.	N.L.A.
15.25	36	N.L.A.	N.L.A.
15.25	37	N.L.A.	N.L.A.

### **MAX 5 LAB FINISHED PROPELLER**



#### MAX 5 Lab Finished Propeller Chart

Mercury Racing Lab Finished MAX 5 blade is designed for high performance Outboard Center Console and Cats with high gearcase height. Sterndrive Sport Deck, Cats and Modified Cats also benifit from enhanced top speeds, great handling, good mid-range throttle response and quick planing performance.

With a diameter of 15 inches and having 5 blades, the Max 5 holds more water and offers less slip than it's 4 blade counterparts. For the 1.25 inch prop shaft use 840389K06 HD Hub kit and for 1 inch prop shaft use hub kit 835258K2.

Diameter	Pitch	Lab Finished LH Rotation	Lab Finished RH Rotation
15	22.3	48-8M0131145	48-8M0131144
15	22.8	48-8M0131147	48-8M0131146
15	23	48-8M0117983	48-8M0117982
15	23.5	48-8M0117985	48-8M0117984
15	24	48-8M0117987	48-8M0117986
15	24.3	48-8M0131149	48-8M0131148
15	24.8	48-8M0131151	48- <b>8M0131150</b>
15	25	48-8M0117989	48-8M0117988
15	25.5	48-8M0117991	48-8M0117990
15	26	48-8M0117993	48-8M0117992
15	26.3	48-8M0131153	48-8M0131152
15	26.8	48-8M0131155	48-8M0131154
15	27	48- <b>8M0117995</b>	48- <b>8M0117994</b>
15	27.5	48-8M0117997	48-8M0117996
15	28	48-8M0117999	48-8M0117998
15	28.3	48-8M0131157	48-8M0131156
15	28.8	48- <b>8M0131159</b>	48-8M0131158
15	29	48-8M0118001	48-8M0118000
15	29.5	48-8M0118003	48-8M0118002
15	30	48-8M0118005	48-8M0118004
15	30.3	48-8M0131161	48-8M0131160
15	30.8	48-8M0131163	48-8M0131162
15	31	48-8M0118007	48-8M0118006
15	31.5	48-8M0118009	48-8M0118008
15	32	48-8M0118011	48-8M0118010
15	32.3	48-8M0131165	48-8M0131164
15	32.8	48-8M0131167	48-8M0131166
15	33	48-8M0118013	48-8M0118012
15	33.5	48-8M0118015	48-8M0118014
15	34	48-8M0118017	48- <b>8M0118016</b>

#### MAXIMUS LONG TUBE 5 BLADE SS LAB FINISHED



# Maximus Long Tube 5 Blade Stainless Steel Sterndrive Propeller Chart

Polished Lab Finished. Barrel length 8.5 inches. Hub Kit Sold Separately, for Mercury use 835258K2 for 1 inch or 840389K06 for 1.25 inch propshaft.

Diameter	Pitch	Lab Finished LH Rotation	Lab Finished RH Rotation
15.63	23	48-889975L45	48- <b>889974L45</b>
15.3	23	48-889975L44	48-889974L44
15.63	24	48-889975L65	48-889974L65
15.3	24	48-889975L64	48-889974L64
15	24	48-889975L63	48-889974L63
15.63	25	48-889965L45	48-889964L45
15.3	25	48-889965L44	48- <b>889964L44</b>
15.63	26	48-889965L65	48-889964L65
15.3	26	48-889965L64	48-889964L64
15	26	48-889965L63	48-889964L63
15.63	27	48-889967L45	48- <b>889966L45</b>
15.3	27	48- <b>889967L44</b>	48-889966L44
15.63	28	48-889967L65	48- <b>889966L65</b>
15.3	28	48- <b>889967L64</b>	48- <b>889966L64</b>
15	28	48-889967L63	48- <b>889966L63</b>
15.63	29	48-889969L45	48-889968L45
15.3	29	48-889969L44	48-889968L44
15.63	30	48-889969L65	48-889968L65
15.3	30	48-889969L64	48-889968L64
15	30	48-889969L63	48-889968L63
15.63	31	48-889971L45	48- <b>889970L45</b>
15.3	31	48-889971L44	48-889970L44
15.63	32	48-889971L65	48- <b>889970L65</b>
15.3	32	48-889971L64	48-889970L64
15	32	48-889971L63	48-889970L63
15.63	33	48-889973L45	48-889972L45
15.3	33	48-889973L44	48-889972L44
15.63	34	48-889973L65	48-889972L65
15.3	34	48-889973L64	48-889972L64
15	34	48-889973L63	48-889972L63
15.63	35	48-889973L85	48-889972L85
15.3	35	48-889973L84	48-889972L84

# MAXIMUS SHORT TUBE 5 BLADE SS LAB FINISHED



# Maximus Short Tube 5 Blade Stainless Steel Sterndrive Propeller Chart

Polished Lab Finished. Barrel length 7.875 inches reduces stern lift. Hub Kit Sold Separately, for Mercury use 835258K2 for 1 inch or 840389K06 for 1.25 inch propshaft.

Diameter	Pitch	Lab Finished LH	Lab Finished RH
		Rotation	Rotation
15.63	23	48- <b>889975L49</b>	48- <b>889974L49</b>
15.3	23	48-889975L48	48-889974L48
15.63	24	48- <b>889975L69</b>	48- <b>889974L69</b>
15.3	24	48- <b>889975L68</b>	48- <b>889974L68</b>
15	24	N.L.A.	N.L.A.
15.63	25	48- <b>889965L49</b>	48-889964L49
15.3	25	48- <b>889965L48</b>	48-889964L48
15.63	26	48-889965L69	48-889964L69
15.3	26	48-889965L68	48-889964L68
15	26	N.L.A.	N.L.A.
15.63	27	48-889967L49	48-889966L49
15.3	27	48-889967L48	48-889966L48
15.63	28	48- <b>889967L69</b>	48- <b>889966L69</b>
15.3	28	48- <b>889967L68</b>	48- <b>889966L68</b>
15	28	N.L.A.	N.L.A.
15.63	29	48- <b>889969L49</b>	48- <b>889968L49</b>
15.3	29	48-889969L48	48-889968L48
15.63	30	48- <b>889969L69</b>	48- <b>889968L69</b>
15.3	30	48-889969L68	48- <b>889968L68</b>
15	30	N.L.A.	N.L.A.
15.63	31	48-889971L49	48-889970L49
15.3	31	48- <b>889971L48</b>	48- <b>889970L48</b>
15.63	32	48- <b>889971L69</b>	48- <b>889970L69</b>
15.3	32	48- <b>889971L68</b>	48- <b>889970L68</b>
15	32	N.L.A.	N.L.A.
15.63	33	48- <b>889973L49</b>	48- <b>889972L49</b>
15.3	33	48-889973L48	48- <b>889972L48</b>
15.63	34	48- <b>889973L69</b>	48- <b>889972L69</b>
15.3	34	48-889973L68	48- <b>889972L68</b>
15	34	N.L.A.	N.L.A.
15.63	35	48- <b>889973L89</b>	48- <b>889972L89</b>
15.3	35	48-889973L88	48- <b>889972L88</b>

#### **BRAVO THREE XR PRO FINISHED**



#### **Bravo Three XR Pro Finished Sterndrive Propeller Chart**

520 - 525 SC

350 Mag

7.4L MPI - 454 Mag MPI - 502 Mag MPI

496 Mag - 496 Mag HO

8.2 Mag - 8.2 Mag HO

D2.8L D-Tronic

D3.6L - D4.2L - D4.2L D-Tronic

D7.3L - D7.3L D-Tronic

Aft Prop Nut 11-805093

Modern Turbo Diesel

Bravo Three X, XR Propeller Hardware: Bravo Three Inner Prop Nut Wrench 91-805457T 1 Forward Thrust Washer 805101T Aft Thrust Washer 805100T Forward Prop Nut 11-805092T

Diameter	Pitch	Material	Blades	Pro Finished LH Rotation	Pro Finished RH Rotation
15.5 / 14.5	28	Polished SS	4/3	48-842945L80	48- <b>842946L80</b>
15.5 / 14.5	27.5	Polished SS	4/3	48-8M0125747	48-8M0125746
15.5 / 14.5	27	Polished SS	4/3	48- <b>842945L70</b>	48- <b>842946L70</b>
15.8 / 14.8	26	Polished SS	4/3	48-842943L80	48- <b>842944L80</b>
15.8 / 14.8	25.5	Polished SS	4/3	48-8M0125745	48-8M0125744
15.8 / 14.8	25	Polished SS	4/3	48-842943L70	48- <b>842944L70</b>
16 / 15	24	Polished SS	4/3	48-842941L80	48- <b>842942L80</b>
16 / 15	23.5	Polished SS	4/3	48-8M0125743	48-8M0125742
16 / 15	23	Polished SS	4/3	48-842941L70	48- <b>842942L70</b>
16 / 15	22	Polished SS	4/3	48-8M0073458	48-8M0073459
16 / 15	21.5	Polished SS	4/3	48-8M0125741	48-8M0125740
16 / 15	21	Polished SS	4/3	48-842939L70	48- <b>842940L70</b>
16 / 15	20	Polished SS	4/3	48-8M0125739	48-8M0125738

# CNC CLEAVER 5 BLADE 13 DEGREE RAKE POLISHED LAB FINISHED STERNDRIVE PROPELLER



## CNC Cleaver, Heat Treated SS 5 Blade, 13 Degree Rake - 1200 HP

IIIA, IV, V, VI, VII SSM, NXT1, M8. Case 8M0107970 included. 26 Spline hub with 1.75/1.88 in.(44.5/47.7mm) O.D. propeller shaft and 6 in. (152mm) hub length

Available in 1350 HP, contact Mercury Racing Propellers

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17	26	48-8M0094381	48-8M0094380
17	27	48-8M0083921	48-8M0083922
17	29	48-8M0084171	48-8M0084172
17	30	48-8M0100159	48-8M0100160
17	31	48-8M0084099	48-8M0084098
17	32	48-8M0030819	48-8M0030820
17	33	48-8M0084169	48-8M0084170
17	34	48-8M0110651	48- <b>8M0110650</b>
17	35	48-8M0084095	48-8M0084096
17	36	48-8M0030773	48-8M0030782
17	37	48-8M0109273	48-8M0109274
17	38	48-8M0062881	48-8M0062882
17	39	48-8M0063967	48-8M0063966
17	40	48-8M0084291	48-8M0084292
17	41	48- <b>8M0063969</b>	48-8M0063968

# CNC CLEAVER 5 BLADE 15 DEGREE RAKE POLISHED LAB FINISHED STERNDRIVE PROPELLER



### CNC Cleaver, Heat Treated SS 5 Blade, 15 Degree Rake - 1550 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	26	48-8M0049063	48-8M0049064
17.75	26	48-8M0049093	48-8M0049094
17.50	26	48-8M0049123	48-8M0049124
17.25	26	48-8M0049153	48-8M0049154
17	26	48-8M0049183	48-8M0049184
16.75	26	48-8M0049213	48-8M0049214
16.50	26	48-8M0049243	48-8M0049244
16.25	26	48-8M0049273	48- <b>8M0049274</b>
16	26	48-8M0049303	48-8M0049304
18	27	48-8M0049065	48- <b>8M0049066</b>
17.75	27	48- <b>8</b> M0049095	48- <b>8M0049096</b>

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17.50	27	48-8M0049125	48-8M0049126
17.25	27	48-8M0049155	48-8M0049156
17	27	48-8M0049185	48-8M0049186
16.75	27	48-8M0049215	48-8M0049216
16.50	27	48-8M0049245	48-8M0049246
16.25	27	48-8M0049275	48-8M0049276
16	27	48-8M0049305	48-8M0049306
18	28	48-8M0049067	48-8M0049068
17.75	28	48-8M0049097	48-8M0049098
17.50	28	48-8M0049127	48-8M0049128
17.25	28	48-8M0049157	48-8M0049158
17	28	48-8M0049187	48-8M0049188
16.75	28	48-8M0049217	48-8M0049218
16.50	28	48-8M0049247	48-8M0049248
16.25	28	48-8M0049277	48-8M0049278
16	28	48-8M0049307	48-8M0049308
18	29	48-8M0049069	48-8M0049070
17.75	29	48-8M0049099	48-8M0049100
17.50	29	48-8M0049129	48-8M0049130
17.25	29	48-8M0049159	48-8M0049160
17	29	48-8M0049189	48-8M0049190
16.75	29	48-8M0049219	48-8M0049220
16.50	29	48-8M0049249	48-8M0049250
16.25	29	48-8M0049279	48-8M0049280
16	29	48-8M0049309	48-8M0049310
18	30	48-8M0049071	48-8M0049072
17.75	30	48-8M0049101	48-8M0049102
17.50	30	48-8M0049131	48-8M0049132
17.25	30	48-8M0049161	48-8M0049162
	30	48-8M0049191	48-8M0049192
17	30	48-8M0049221	48-8M0049222
16.50	30	48-8M0049251	48-8M0049252
16.25	30	48-8M0049281	48-8M0049282
16	30	48-8M0049311	48-8M0049312
18	31	48-8M0049073	48-8M0049074
17.75	31	48-8M0049103	48-8M0049104
17.50	31	48-8M0049133	48-8M0049134
17.25	31	48-8M0049163	48-8M0049164
17	31	48-8M0049193	48-8M0049194
16.75	31	48-8M0049223	48-8M0049224
16.50	31	48-8M0049253	48-8M0049254
16.25	31	48-8M0049283	48-8M0049284
16	31	48-8M0049313	48-8M0049314
18	32	48-8M0049075	48-8M0049076
17.75	32	48-8M0049105	48-8M0049106
17.50	32	48-8M0049135	48-8M0049136
17.25	32	48-8M0049165	48-8M0049166
17	32	48-8M0049195	48-8M0049196
16.75	32	48-8M0049225	48- <b>8M0049226</b>
16.50	32	48-8M0049255	48- <b>8</b> M0049256
16.25	32	48-8M0049285	48-8M0049286
16	32	48-8M0049315	48-8M0049316
18	33	48-8M0049077	48-8M0049078
17.75	33	48-8M0049107	48-8M0049108

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17.50	33	48-8M0049137	48-8M0049138
17.25	33	48-8M0049167	48-8M0049168
17	33	48-8M0049197	48-8M0049198
16.75	33	48-8M0049227	48-8M0049228
16.50	33	48-8M0049257	48-8M0049258
16.25	33	48-8M0049287	48-8M0049288
16	33	48-8M0049317	48-8M0049318
18	34	48-8M0049079	48-8M0049080
17.75	34	48-8M0049109	48-8M0049110
17.50	34	48-8M0049139	48-8M0049140
17.25	34	48-8M0049169	48-8M0049170
17	34	48-8M0049199	48-8M0049200
16.75	34	48-8M0049229	48-8M0049230
16.50	34	48-8M0049259	48-8M0049260
16.25	34	48-8M0049289	48-8M0049290
16	34	48-8M0049319	48-8M0049320
18	35	48-8M0049081	48-8M0049082
17.75	35	48-8M0049111	48-8M0049112
17.50	35	48-8M0049141	48-8M0049142
17.25	35	48-8M0049171	48-8M0049172
17	35	48-8M0049201	48-8M0049202
16.75	35	48-8M0049231	48-8M0049232
16.50	35	48-8M0049261	48-8M0049262
16.25	35	48-8M0049291	48-8M0049292
16	35	48-8M0049321	48-8M0049322
18	36	48-8M0049083	48-8M0049084
17.75	36	48-8M0049113	48-8M0049114
17.50	36	48-8M0049143	48-8M0049144
17.25	36	48-8M0049173	48-8M0049174
17	36	48-8M0049203	48-8M0049204
16.75	36	48-8M0049233	48-8M0049234
16.50	36	48-8M0049263	48-8M0049264
16.25	36	48-8M0049293	48-8M0049294
16	36	48-8M0049323	48-8M0049324
18	37	48-8M0049085	48-8M0049086
17.75	37	48-8M0049115	48-8M0049116
17.50	37	48-8M0049145	48-8M0049146
17.25	37	48-8M0049175	48-8M0049176
17	37	48-8M0049205	48-8M0049206
16.75	37	48-8M0049235	48-8M0049236
16.50	37	48-8M0049265	48-8M0049266
16.25	37	48-8M0049295	48-8M0049296
16	37	48-8M0049325	48-8M0049326
18	38	48-8M0049087	48-8M0049088
17.75	38	48-8M0049117	48-8M0049118
17.75	38	48-8M0049147	48-8M0049148
17.25	38	48-8M0049177	48-8M0049178
17.25	38	48-8M0049207	48-8M0049208
		48-8M0049237	48-8M0049238
16.75	38		
16.50	38	48-8M0049267	48-8M0049268
16.25	38	48-8M0049297	48-8M0049298
16	38	48-8M0049327	48-8M0049328
18	39	48-8M0049089	48-8M0049090
17.75	39	48- <b>8M0049119</b>	48-8M0049120

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17.50	39	48-8M0049149	48-8M0049150
17.25	39	48-8M0049179	48-8M0049180
17	39	48-8M0049209	48-8M0049210
16.75	39	48-8M0049239	48- <b>8M0049240</b>
16.50	39	48-8M0049269	48-8M0049270
16.25	39	48-8M0049299	48- <b>8M0049300</b>
16	39	48-8M0049329	48-8M0049330
18	40	48-8M0049091	48-8M0049092
17.75	40	48-8M0049121	48-8M0049122
17.50	40	48-8M0049151	48-8M0049152
17.25	40	48-8M0049181	48-8M0049182
17	40	48-8M0049211	48-8M0049212
16.75	40	48-8M0049241	48-8M0049242
16.50	40	48-8M0049271	48-8M0049272
16.25	40	48-8M0049301	48-8M0049302
16	40	48-8M0049331	48-8M0049332

# CNC Cleaver, Heat Treated SS 5 Blade, 15 Degree Rake - 1350 HP

IIIA, IV, V, VI, VII SSM, NXT1, M8, Case 8M0107970 included. 26 Spline hub with 1.75/1.88 in.(44.5/47.7mm) O.D. propeller shaft and 6 in. (152mm) hub length

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17.50	37	48-8M0094553	48-8M0094554
17.50	38	48-8M0104251	48-8M0104250
17	39	48-8M0119331	48- <b>8M0119332</b>
16.50	39	48-8M0103651	48- <b>8M0103650</b>

### CNC Cleaver, Heat Treated SS 5 Blade, 15 Degree Rake - 1200

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	26	48-8M0002277	48-8M0002278
17.75	26	48-8M0002307	48-8M0002308
17.50	26	48-8M0002337	48-8M0002338
17.25	26	48-8M0002367	48-8M0002368
17	26	48- <b>8M0002397</b>	48- <b>8M0002398</b>
16.75	26	48-8M0002427	48-8M0002428
16.50	26	48-8M0002457	48-8M0002458
16.25	26	48-8M0002487	48-8M0002488
16	26	48-8M0002517	48-8M0002518
15.75	26	48-8M0002547	48-8M0002548
15.50	26	48- <b>8M0002577</b>	48- <b>8M0002578</b>
15.25	26	48- <b>8M0002607</b>	48- <b>8M0002608</b>
15	26	48- <b>8M0002637</b>	48- <b>8M0002638</b>
18	27	48-8M0002279	48-8M0002280
17.75	27	48- <b>8M0002309</b>	48-8M0002310
17.50	27	48-8M0002339	48-8M0002340
17.25	27	48-8M0002369	48-8M0002370
17	27	48-8M0002399	48-8M0002400
16.75	27	48-8M0002429	48-8M0002430

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.50	27	48-8M0002459	48-8M0002460
16.25	27	48-8M0002489	48-8M0002490
16	27	48-8M0002519	48-8M0002520
15.75	27	48-8M0002549	48-8M0002550
15.50	27	48-8M0002579	48-8M0002580
15.25	27	48-8M0002609	48-8M0002610
15	27	48-8M0002639	48-8M0002640
18	28	48-8M0002281	48-8M0002282
17.75	28	48-8M0002311	48-8M0002312
17.50	28	48-8M0002341	48-8M0002342
17.25	28	48-8M0002371	48-8M0002372
17	28	48-8M0002401	48-8M0002402
16.75	28	48-8M0002431	48-8M0002432
16.50	28	48-8M0002461	48-8M0002462
16.25	28	48-8M0002491	48-8M0002492
16	28	48-8M0002521	48-8M0002522
15.75	28	48-8M0002551	48-8M0002552
15.50	28	48-8M0002581	48-8M0002582
15.25	28	48-8M0002611	48-8M0002612
15	28	48-8M0002641	48-8M0002642
18	29	48-8M0002283	48-8M0002284
17.75	29	48-8M0002313	48-8M0002314
17.50	29	48-8M0002343	48-8M0002344
17.25	29	48-8M0002373	48-8M0002374
17	29	48-8M0002403	48-8M0002404
16.75	29	48-8M0002433	48-8M0002434
16.50	29	48-8M0002463	48-8M0002464
16.25	29	48-8M0002493	48-8M0002494
16	29	48-8M0002523	48-8M0002524
15.75	29	48-8M0002553	48-8M0002554
15.50	29	48-8M0002583	48-8M0002584
15.25	29	48-8M0002613	48-8M0002614
15	29	48-8M0002643	48-8M0002644
18	30	48-8M0002285	48-8M0002286
17.75	30	48-8M0002315	48-8M0002316
17.50	30	48-8M0002345	48-8M0002346
17.25	30	48-8M0002375	48-8M0002376
17	30	48-8M0002405	48-8M0002406
16.75	30	48-8M0002435	48-8M0002436
16.50	30	48-8M0002465	48-8M0002466
16.25	30	48-8M0002495	48-8M0002496
16	30	48-8M0002525	48-8M0002526
15.75	30	48-8M0002555	48-8M0002556
15.50	30	48-8M0002585	48-8M0002586
15.25	30	48-8M0002615	48-8M0002616
15	30	48-8M0002645	48-8M0002646
18	31	48-8M0002287	48-8M0002288
17.75	31	48-8M0002317	48-8M0002318
17.50	31	48-8M0002347	48-8M0002348
17.25	31	48-8M0002377	48-8M0002378
17.25	31	48-8M0002407	48-8M0002408
16.75	31	48-8M0002437	48-8M0002438
		48-8M0002437 48-8M0002467	48-8M0002438 48-8M0002468
16.50	31		
16.25	31	48- <b>8M0002497</b>	48-8M0002498

16. 31	Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.75				
15.25 31 48 BM0002617 48 BM0002648 18 18 32 48 BM0002647 48 BM0002290 17.75 32 48 BM0002319 48 BM0002320 17.75 32 48 BM0002319 48 BM0002350 17.75 32 48 BM0002409 48 BM0002410 16.75 32 48 BM0002409 48 BM0002410 16.55 32 48 BM0002499 48 BM0002470 16.25 32 48 BM0002499 48 BM0002470 16.25 32 48 BM0002499 48 BM0002500 16.25 32 48 BM0002559 48 BM0002500 15.75 32 48 BM0002559 48 BM0002550 15.50 32 48 BM0002559 48 BM0002550 15.75 32 48 BM0002559 48 BM0002550 16.75 32 48 BM0002559 48 BM0002550 15.75 32 48 BM0002550 48 BM0002550 16.75 33 48 BM000251 48 BM0002352 17.75 33 48 BM000231 48 BM0002352 17.75 33 48 BM000231 48 BM0002352 17.75 33 48 BM000231 48 BM0002352 17.75 33 48 BM0002411 48 BM0002352 17.75 33 48 BM0002411 48 BM0002352 17.75 33 48 BM0002411 48 BM0002352 17.75 33 48 BM0002501 48 BM0002502 16.75 33 48 BM0002503 48 BM0002502 16.75 34 48 BM0002503 48 BM0002504 16.25 34 48 BM0002503 48 BM0002506 16.85 BM0002506 16.8	15.75	31		
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18         33         48-8M0003461         48-8M0003462           17.75         33         48-8M0002321         48-8M0002322           17.50         33         48-8M0002361         48-8M0002382           17         33         48-8M0002381         48-8M0002412           16.75         33         48-8M0002441         48-8M0002442           16.50         33         48-8M0002501         48-8M0002502           16         33         48-8M0002531         48-8M000252           16         33         48-8M0002561         48-8M0002562           15.75         33         48-8M0002591         48-8M0002562           15.50         33         48-8M0002651         48-8M0002592           15.25         33         48-8M0002651         48-8M0002622           15         33         48-8M0002651         48-8M0002622           15         33         48-8M0002293         48-8M0002294           17.75         34         48-8M000233         48-8M0002294           17.75         34         48-8M000233         48-8M0002344           17.25         34         48-8M000233         48-8M0002344           17         34         48-8M0002443         48-8M0002444     <				
17.75         33         48-8M0002321         48-8M0002352           17.50         33         48-8M0002351         48-8M0002352           17.25         33         48-8M0002381         48-8M0002412           16.75         33         48-8M0002411         48-8M0002412           16.50         33         48-8M0002471         48-8M0002472           16.25         33         48-8M0002501         48-8M0002502           16         33         48-8M0002531         48-8M000252           15.75         33         48-8M0002561         48-8M0002562           15.50         33         48-8M0002591         48-8M0002592           15.25         33         48-8M0002651         48-8M0002622           15         33         48-8M0002651         48-8M0002652           18         34         48-8M0002293         48-8M0002294           17.75         34         48-8M000233         48-8M0002344           17.50         34         48-8M000233         48-8M0002344           17         34         48-8M0002413         48-8M0002344           16         34         48-8M0002413         48-8M0002444           16.50         34         48-8M0002443         48-8M0002444 <td></td> <td></td> <td></td> <td></td>				
17.50         33         48.8M0002351         48.8M0002362           17.25         33         48.8M0002381         48.8M0002382           17         33         48.8M0002411         48.8M0002412           16.75         33         48.8M0002441         48.8M0002442           16.50         33         48.8M0002501         48.8M0002502           16         33         48.8M0002531         48.8M0002502           16         33         48.8M0002561         48.8M0002502           16         33         48.8M0002561         48.8M0002562           15.75         33         48.8M0002591         48.8M0002562           15.50         33         48.8M0002591         48.8M0002592           15.25         33         48.8M0002621         48.8M0002622           15         33         48.8M0002621         48.8M0002622           15         33         48.8M0002293         48.8M0002622           16         34         48.8M0002323         48.8M0002294           17.75         34         48.8M0002333         48.8M0002354           17.25         34         48.8M0002333         48.8M0002354           17         34         48.8M0002333         48.8M0002444				
17.25         33         48.8M0002381         48.8M0002382           17         33         48.8M0002411         48.8M0002412           16.75         33         48.8M0002411         48.8M0002442           16.50         33         48.8M0002471         48.8M0002472           16.25         33         48.8M0002501         48.8M0002502           16         33         48.8M0002531         48.8M0002532           15.75         33         48.8M0002561         48.8M0002562           15.50         33         48.8M0002591         48.8M0002592           15.25         33         48.8M0002621         48.8M0002622           15         33         48.8M0002651         48.8M0002622           15         33         48.8M0002293         48.8M0002294           17.75         34         48.8M0002323         48.8M0002294           17.75         34         48.8M0002333         48.8M0002354           17.25         34         48.8M0002333         48.8M0002354           17         34         48.8M0002333         48.8M0002344           16.75         34         48.8M0002413         48.8M0002444           16.50         34         48.8M0002473         48.8M0002474<				
17         33         48.8M0002411         48.8M0002412           16.75         33         48.8M0002441         48.8M0002442           16.50         33         48.8M0002471         48.8M0002502           16.25         33         48.8M0002501         48.8M0002502           16         33         48.8M0002531         48.8M0002532           15.75         33         48.8M0002561         48.8M0002562           15.50         33         48.8M0002591         48.8M0002592           15.25         33         48.8M0002661         48.8M0002622           15         33         48.8M0002661         48.8M0002662           18         34         48.8M000293         48.8M0002662           17.75         34         48.8M000233         48.8M0002324           17.75         34         48.8M000233         48.8M0002354           17.25         34         48.8M0002333         48.8M0002384           17         34         48.8M0002413         48.8M0002414           16.75         34         48.8M0002413         48.8M0002444           16.50         34         48.8M0002473         48.8M0002474           16.25         34         48.8M0002353         48.8M0002504 <td>17.50</td> <td>33</td> <td>48-8M0002351</td> <td>48-8M0002352</td>	17.50	33	48-8M0002351	48-8M0002352
16.75         33         48-8M0002441         48-8M0002472           16.50         33         48-8M0002471         48-8M0002472           16.25         33         48-8M0002501         48-8M0002502           16         33         48-8M0002531         48-8M0002532           15.75         33         48-8M0002561         48-8M0002562           15.50         33         48-8M0002591         48-8M0002592           15.25         33         48-8M0002621         48-8M0002622           15         33         48-8M0002293         48-8M0002562           18         34         48-8M0002293         48-8M0002294           17.75         34         48-8M0002333         48-8M0002344           17.50         34         48-8M0002353         48-8M0002384           17         34         48-8M0002413         48-8M0002384           17         34         48-8M0002413         48-8M0002444           16.50         34         48-8M0002473         48-8M0002474           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002503         48-8M0002504           16         34         48-8M0002503         48-8M0002504	17.25	33	48-8M0002381	48-8M0002382
16.50         33         48-8M0002471         48-8M0002502           16.25         33         48-8M0002501         48-8M0002502           16         33         48-8M0002531         48-8M0002532           15.75         33         48-8M0002561         48-8M0002562           15.50         33         48-8M0002591         48-8M0002592           15.25         33         48-8M0002621         48-8M0002622           16         33         48-8M0002293         48-8M0002294           17.75         34         48-8M000233         48-8M0002324           17.50         34         48-8M0002353         48-8M0002354           17         34         48-8M0002383         48-8M0002384           17         34         48-8M0002413         48-8M0002444           16.75         34         48-8M0002443         48-8M0002444           16.50         34         48-8M0002503         48-8M0002474           16.25         34         48-8M0002533         48-8M0002504           16         34         48-8M0002533         48-8M0002504           15.75         34         48-8M0002533         48-8M0002504           15.50         34         48-8M0002505         48-8M0002504 </td <td>17</td> <td>33</td> <td>48-8M0002411</td> <td>48-8M0002412</td>	17	33	48-8M0002411	48-8M0002412
16.25         33         48-8M0002501         48-8M0002502           16         33         48-8M0002531         48-8M0002532           15.75         33         48-8M0002561         48-8M0002562           15.50         33         48-8M0002621         48-8M0002622           15         33         48-8M0002651         48-8M0002652           18         34         48-8M0002293         48-8M0002294           17.75         34         48-8M000233         48-8M0002324           17.50         34         48-8M0002353         48-8M0002354           17         34         48-8M0002383         48-8M0002384           17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002413         48-8M0002444           16.50         34         48-8M0002473         48-8M0002474           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002503         48-8M0002504           15.75         34         48-8M0002503         48-8M0002504           15.50         34         48-8M0002503         48-8M0002504           15.50         34         48-8M0002505         48-8M0002594	16.75	33	48-8M0002441	48- <b>8M0002442</b>
16         33         48-8M0002531         48-8M0002562           15.75         33         48-8M0002561         48-8M0002592           15.50         33         48-8M0002621         48-8M0002622           15.25         33         48-8M0002651         48-8M0002652           18         34         48-8M000293         48-8M000294           17.75         34         48-8M0002323         48-8M0002324           17.50         34         48-8M0002353         48-8M0002354           17.25         34         48-8M0002383         48-8M0002384           17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002443         48-8M0002444           16.50         34         48-8M0002473         48-8M0002474           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002503         48-8M0002504           15.75         34         48-8M0002503         48-8M0002504           15.50         34         48-8M0002503         48-8M0002504           15.50         34         48-8M0002503         48-8M0002504           15.50         34         48-8M0002505         48-8M0002504	16.50	33	48-8M0002471	48-8M0002472
15.75         33         48-8M0002561         48-8M0002592           15.50         33         48-8M0002621         48-8M0002592           15.25         33         48-8M0002651         48-8M0002652           15         33         48-8M000293         48-8M0002294           17.75         34         48-8M0002323         48-8M0002324           17.50         34         48-8M0002353         48-8M0002354           17.25         34         48-8M0002383         48-8M0002384           17         34         48-8M0002413         48-8M0002384           17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002473         48-8M0002444           16.50         34         48-8M0002503         48-8M0002504           16         34         48-8M0002533         48-8M0002504           16         34         48-8M0002503         48-8M0002504           15.75         34         48-8M0002503         48-8M0002504           15.25         34         48-8M0002503         48-8M0002504           15.25         34         48-8M0002503         48-8M0002504           15         34         48-8M0002505         48-8M0002506	16.25	33	48-8M0002501	48-8M0002502
15.50         33         48-8M0002591         48-8M0002592           15.25         33         48-8M0002621         48-8M0002622           15         33         48-8M0002651         48-8M0002652           18         34         48-8M0002293         48-8M0002294           17.75         34         48-8M0002323         48-8M0002324           17.50         34         48-8M0002353         48-8M0002354           17         34         48-8M0002383         48-8M0002384           17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002443         48-8M0002444           16.50         34         48-8M0002473         48-8M0002444           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002533         48-8M0002504           16         34         48-8M0002533         48-8M0002504           15.50         34         48-8M0002563         48-8M0002564           15.25         34         48-8M0002503         48-8M0002594           15.25         34         48-8M0002505         48-8M0002624           18         35         48-8M0002505         48-8M0002296	16	33	48-8M0002531	48-8M0002532
15.25         33         48-8M0002621         48-8M0002652           15         33         48-8M0002651         48-8M0002652           18         34         48-8M0002293         48-8M0002294           17.75         34         48-8M0002323         48-8M0002354           17.50         34         48-8M0002353         48-8M0002354           17         34         48-8M0002413         48-8M0002384           17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002443         48-8M0002444           16.50         34         48-8M0002473         48-8M0002504           16         34         48-8M0002503         48-8M0002504           16         34         48-8M0002563         48-8M0002534           15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002564           15.25         34         48-8M0002563         48-8M0002564           15         34         48-8M0002563         48-8M0002664           15         34         48-8M0002563         48-8M0002664           16         35         48-8M0002355         48-8M0002266 <td>15.75</td> <td>33</td> <td>48-8M0002561</td> <td>48-8M0002562</td>	15.75	33	48-8M0002561	48-8M0002562
15         33         48-8M0002651         48-8M0002652           18         34         48-8M0002293         48-8M0002294           17.75         34         48-8M0002323         48-8M0002354           17.50         34         48-8M0002353         48-8M0002384           17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002443         48-8M0002444           16.50         34         48-8M0002473         48-8M0002474           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002533         48-8M0002534           15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002564           15.25         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002593         48-8M0002564           15         34         48-8M0002593         48-8M0002564           15         34         48-8M0002593         48-8M000264           15         34         48-8M0002593         48-8M0002664           18         35         48-8M0002563         48-8M0002664     <	15.50	33	48-8M0002591	48-8M0002592
18         34         48-8M0002293         48-8M0002294           17.75         34         48-8M0002323         48-8M0002324           17.50         34         48-8M0002353         48-8M0002354           17.25         34         48-8M0002383         48-8M0002384           17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002443         48-8M0002444           16.50         34         48-8M0002473         48-8M0002444           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002533         48-8M0002534           15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002623         48-8M0002624           15         34         48-8M0002623         48-8M0002624           15         34         48-8M000263         48-8M000264           18         35         48-8M0002355         48-8M0002296           17.75         35         48-8M0002355         48-8M0002366	15.25	33	48-8M0002621	48-8M0002622
17.75         34         48.8M0002323         48.8M0002324           17.50         34         48.8M0002353         48.8M0002354           17.25         34         48.8M0002383         48.8M0002384           17         34         48.8M0002413         48.8M0002414           16.75         34         48.8M0002443         48.8M0002444           16.50         34         48.8M0002473         48.8M0002474           16.25         34         48.8M0002503         48.8M0002504           16         34         48.8M0002533         48.8M0002534           15.75         34         48.8M0002563         48.8M0002564           15.50         34         48.8M0002593         48.8M0002594           15.25         34         48.8M0002623         48.8M0002624           15         34         48.8M0002633         48.8M0002624           15         34         48.8M0002633         48.8M0002644           18         35         48.8M0002355         48.8M0002296           17.75         35         48.8M0002355         48.8M0002326           17.26         35         48.8M0002355         48.8M0002366           17         35         48.8M0002475         48.8M0002476 <td>15</td> <td>33</td> <td>48-8M0002651</td> <td>48-<b>8M0002652</b></td>	15	33	48-8M0002651	48- <b>8M0002652</b>
17.50         34         48-8M0002353         48-8M0002354           17.25         34         48-8M0002383         48-8M0002384           17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002443         48-8M0002444           16.50         34         48-8M0002473         48-8M0002474           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002533         48-8M0002534           15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002623         48-8M0002594           15.25         34         48-8M0002633         48-8M0002624           15         34         48-8M0002653         48-8M0002624           15         34         48-8M0002653         48-8M0002296           17.75         35         48-8M0002325         48-8M0002296           17.50         35         48-8M0002355         48-8M0002356           17         35         48-8M0002415         48-8M0002416           16.75         35         48-8M0002475         48-8M0002476<	18	34	48-8M0002293	48-8M0002294
17.25         34         48.8M0002383         48.8M0002384           17         34         48.8M0002413         48.8M0002414           16.75         34         48.8M0002443         48.8M0002444           16.50         34         48.8M0002473         48.8M0002474           16.25         34         48.8M0002503         48.8M0002504           16         34         48.8M0002533         48.8M0002534           15.75         34         48.8M0002563         48.8M0002564           15.50         34         48.8M0002593         48.8M0002594           15.25         34         48.8M0002623         48.8M0002624           15         34         48.8M0002653         48.8M0002624           15         34         48.8M0002653         48.8M0002624           18         35         48.8M000295         48.8M0002296           17.75         35         48.8M000235         48.8M0002326           17.20         35         48.8M0002355         48.8M0002366           17         35         48.8M0002415         48.8M0002416           16.75         35         48.8M0002445         48.8M0002476           16.25         35         48.8M0002505         48.8M0002506	17.75	34	48-8M0002323	48-8M0002324
17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002443         48-8M0002444           16.50         34         48-8M0002473         48-8M0002474           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002533         48-8M0002534           15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002623         48-8M0002624           15         34         48-8M0002653         48-8M0002654           18         35         48-8M0002295         48-8M0002296           17.75         35         48-8M0002325         48-8M0002326           17.50         35         48-8M0002355         48-8M0002356           17         35         48-8M0002385         48-8M0002386           17         35         48-8M0002415         48-8M0002416           16.75         35         48-8M0002475         48-8M0002476           16.25         35         48-8M0002505         48-8M0002506           16         35         48-8M0002535         48-8M0002536	17.50	34	48-8M0002353	48-8M0002354
17         34         48-8M0002413         48-8M0002414           16.75         34         48-8M0002443         48-8M0002444           16.50         34         48-8M0002473         48-8M0002474           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002533         48-8M0002534           15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002623         48-8M0002624           15         34         48-8M0002653         48-8M0002654           18         35         48-8M0002295         48-8M0002296           17.75         35         48-8M0002325         48-8M0002326           17.50         35         48-8M0002355         48-8M0002366           17         35         48-8M0002385         48-8M0002386           17         35         48-8M0002415         48-8M0002416           16.75         35         48-8M0002475         48-8M0002476           16.25         35         48-8M0002505         48-8M0002506           16         35         48-8M0002535         48-8M0002536	17.25	34	48-8M0002383	48-8M0002384
16.75         34         48 8M0002443         48 8M0002444           16.50         34         48 8M0002473         48 8M0002474           16.25         34         48 8M0002503         48 8M0002504           16         34         48 8M0002533         48 8M0002534           15.75         34         48 8M0002563         48 8M0002564           15.50         34         48 8M0002593         48 8M0002594           15.25         34         48 8M0002623         48 8M0002624           15         34         48 8M0002653         48 8M0002654           18         35         48 8M0002295         48 8M0002296           17.75         35         48 8M0002325         48 8M0002326           17.50         35         48 8M0002355         48 8M0002366           17         35         48 8M0002415         48 8M0002416           16.75         35         48 8M0002445         48 8M0002476           16.25         35         48 8M0002505         48 8M0002506           16         35         48 8M0002535         48 8M0002536				
16.50         34         48-8M0002473         48-8M0002504           16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002533         48-8M0002534           15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002623         48-8M0002624           15         34         48-8M0002653         48-8M000264           18         35         48-8M0002295         48-8M0002296           17.75         35         48-8M0002325         48-8M0002326           17.50         35         48-8M0002355         48-8M0002366           17         35         48-8M0002385         48-8M0002386           17         35         48-8M0002415         48-8M0002416           16.75         35         48-8M0002445         48-8M0002476           16.25         35         48-8M0002505         48-8M0002506           16         35         48-8M0002535         48-8M0002536				
16.25         34         48-8M0002503         48-8M0002504           16         34         48-8M0002533         48-8M0002534           15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002623         48-8M0002624           15         34         48-8M0002653         48-8M0002654           18         35         48-8M0002295         48-8M0002296           17.75         35         48-8M0002325         48-8M0002326           17.50         35         48-8M0002355         48-8M0002356           17         35         48-8M0002385         48-8M0002386           17         35         48-8M0002415         48-8M0002416           16.75         35         48-8M0002445         48-8M0002446           16.50         35         48-8M0002475         48-8M0002506           16         35         48-8M0002535         48-8M0002536				
16         34         48-8M0002533         48-8M0002534           15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002623         48-8M0002624           15         34         48-8M0002653         48-8M0002654           18         35         48-8M0002295         48-8M0002296           17.75         35         48-8M0002325         48-8M0002326           17.50         35         48-8M0002355         48-8M0002356           17         35         48-8M0002385         48-8M0002386           17         35         48-8M0002415         48-8M0002416           16.75         35         48-8M0002445         48-8M0002476           16.50         35         48-8M0002505         48-8M0002506           16         35         48-8M0002535         48-8M0002536				
15.75         34         48-8M0002563         48-8M0002564           15.50         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002623         48-8M0002624           15         34         48-8M0002653         48-8M0002654           18         35         48-8M0002295         48-8M0002296           17.75         35         48-8M0002325         48-8M0002326           17.50         35         48-8M0002355         48-8M0002356           17.25         35         48-8M0002385         48-8M0002386           17         35         48-8M0002415         48-8M0002416           16.75         35         48-8M0002445         48-8M0002476           16.25         35         48-8M0002505         48-8M0002506           16         35         48-8M0002535         48-8M0002536				
15.50         34         48-8M0002593         48-8M0002594           15.25         34         48-8M0002623         48-8M0002624           15         34         48-8M0002653         48-8M0002654           18         35         48-8M000295         48-8M0002296           17.75         35         48-8M0002325         48-8M0002326           17.50         35         48-8M0002355         48-8M0002356           17.25         35         48-8M0002385         48-8M0002386           17         35         48-8M0002415         48-8M0002416           16.75         35         48-8M0002445         48-8M0002476           16.25         35         48-8M0002505         48-8M0002506           16         35         48-8M0002535         48-8M0002536				
15.25         34         48.8M0002623         48.8M0002624           15         34         48.8M0002653         48.8M0002654           18         35         48.8M0002295         48.8M0002296           17.75         35         48.8M0002325         48.8M0002326           17.50         35         48.8M0002355         48.8M0002356           17.25         35         48.8M0002385         48.8M0002386           17         35         48.8M0002415         48.8M0002416           16.75         35         48.8M0002445         48.8M0002446           16.50         35         48.8M0002475         48.8M0002476           16.25         35         48.8M0002505         48.8M0002506           16         35         48.8M0002535         48.8M0002536				
15     34     48-8M0002653     48-8M0002654       18     35     48-8M0002295     48-8M0002296       17.75     35     48-8M0002325     48-8M0002326       17.50     35     48-8M0002355     48-8M0002356       17.25     35     48-8M0002385     48-8M0002386       17     35     48-8M0002415     48-8M0002416       16.75     35     48-8M0002445     48-8M0002446       16.50     35     48-8M0002475     48-8M0002476       16.25     35     48-8M0002505     48-8M0002506       16     35     48-8M0002535     48-8M0002536				
18     35     48-8M0002295     48-8M0002296       17.75     35     48-8M0002325     48-8M0002326       17.50     35     48-8M0002355     48-8M0002356       17.25     35     48-8M0002385     48-8M0002386       17     35     48-8M0002415     48-8M0002416       16.75     35     48-8M0002445     48-8M0002446       16.50     35     48-8M0002475     48-8M0002476       16.25     35     48-8M0002505     48-8M0002506       16     35     48-8M0002535     48-8M0002536				
17.75     35     48-8M0002325     48-8M0002326       17.50     35     48-8M0002355     48-8M0002366       17.25     35     48-8M0002385     48-8M0002386       17     35     48-8M0002415     48-8M0002416       16.75     35     48-8M0002445     48-8M0002446       16.50     35     48-8M0002475     48-8M0002476       16.25     35     48-8M0002505     48-8M0002506       16     35     48-8M0002535     48-8M0002536				
17.50     35     48-8M0002355     48-8M0002356       17.25     35     48-8M0002385     48-8M0002386       17     35     48-8M0002415     48-8M0002416       16.75     35     48-8M0002445     48-8M0002446       16.50     35     48-8M0002475     48-8M0002476       16.25     35     48-8M0002505     48-8M0002506       16     35     48-8M0002535     48-8M0002536				
17.25     35     48-8M0002385     48-8M0002386       17     35     48-8M0002415     48-8M0002416       16.75     35     48-8M0002445     48-8M0002446       16.50     35     48-8M0002475     48-8M0002476       16.25     35     48-8M0002505     48-8M0002506       16     35     48-8M0002535     48-8M0002536				
17     35     48 8M0002415     48 8M0002416       16.75     35     48 8M0002445     48 8M0002446       16.50     35     48 8M0002475     48 8M0002476       16.25     35     48 8M0002505     48 8M0002506       16     35     48 8M0002535     48 8M0002536				
16.75     35     48-8M0002445     48-8M0002446       16.50     35     48-8M0002475     48-8M0002476       16.25     35     48-8M0002505     48-8M0002506       16     35     48-8M0002535     48-8M0002536				
16.50     35     48-8M0002475     48-8M0002476       16.25     35     48-8M0002505     48-8M0002506       16     35     48-8M0002535     48-8M0002536				
16.25     35     48-8M0002505     48-8M0002506       16     35     48-8M0002535     48-8M0002536	16.75	35	48-8M0002445	48-8M0002446
16 35 48-8M0002535 48-8M0002536	16.50	35	48-8M0002475	48-8M0002476
	16.25	35	48- <b>8M</b> 0002505	48- <b>8M0002506</b>
15.75 35 48-8M0002565 48-8M0002566	16	35	48- <b>8</b> M0002535	48-8M0002536
	15.75	35	48- <b>8M0002565</b>	48- <b>8M0002566</b>

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.50	35	48- <b>8M0002595</b>	48-8M0002596
15.25	35	48-8M0002625	48- <b>8M0002626</b>
15	35	48-8M0002655	48- <b>8M0002656</b>
18	36	48-8M0002297	48-8M0002298
17.75	36	48-8M0002327	48- <b>8M0002328</b>
17.50	36	48-8M0002357	48-8M0002358
17.25	36	48-8M0002387	48-8M0002388
17	36	48-8M0002417	48-8M0002418
16.75	36	48-8M0002447	48-8M0002448
16.50	36	48-8M0002477	48-8M0002478
16.25	36	48- <b>8</b> M0002507	48-8M0002508
16	36	48-8M0002537	48-8M0002538
15.75	36	48-8M0002567	48-8M0002568
15.50	36	48-8M0002597	48-8M0002598
15.25	36	48-8M0002627	48-8M0002628
15	36	48-8M0002657	48-8M0002658
18	37	48-8M0002299	48-8M0002300
17.75	37	48-8M0002329	48-8M0002330
17.50	37	48- <b>8M0002359</b>	48- <b>8M0002360</b>
17.25	37	48-8M0002389	48- <b>8M0002390</b>
17	37	48-8M0002419	48-8M0002420
16.75	37	48- <b>8M0002449</b>	48-8M0002450
16.50	37	48-8M0002479	48- <b>8M0002480</b>
16.25	37	48-8M0002509	48- <b>8M0002510</b>
16	37	48-8M0002539	48-8M0002540
15.75	37	48-8M0002569	48-8M0002570
15.50	37	48- <b>8M0002599</b>	48- <b>8M0002600</b>
15.25	37	48-8M0002629	48-8M0002630
15	37	48-8M0002659	48-8M0002660
18	38	48-8M0002301	48-8M0002302
17.75	38	48-8M0002331	48-8M0002332
17.50	38	48-8M0002361	48- <b>8M0002362</b>
17.25	38	48-8M0002391	48-8M0002392
17	38	48-8M0002421	48-8M0002422
16.75	38	48-8M0002451	48-8M0002452
16.50	38	48-8M0002481	48-8M0002482
16.25	38	48-8M0002511	48-8M0002512
16	38	48-8M0002541	48-8M0002542
	38	48-8M0002571	48-8M0002572
15.75			
15.50	38	48-8M0002601	48-8M0002602
15.25	38	48-8M0002631	48-8M0002632
15	38	48-8M0002661	48-8M0002662
18	39	48-8M0002303	48-8M0002304
17.75	39	48-8M0002333	48-8M0002334
17.50	39	48- <b>8M0002363</b>	48-8M0002364
17.25	39	48-8M0002393	48-8M0002394
17	39	48-8M0002423	48-8M0002424
16.75	39	48-8M0002453	48-8M0002454
16.50	39	48- <b>8M0002483</b>	48-8M0002484
16.25	39	48-8M0002513	48-8M0002514
16	39	48-8M0002543	48-8M0002544
15.75	39	48- <b>8</b> M0002573	48-8M0002574
15.50	39	48-8M0002603	48-8M0002604
15.25	39	48-8M0002633	48-8M0002634

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15	39	48-8M0002663	48-8M0002664
18	40	48- <b>8M0002305</b>	48- <b>8M0002306</b>
17.75	40	48-8M0002335	48-8M0002336
17.50	40	48-8M0002365	48-8M0002366
17.25	40	48-8M0002395	48-8M0002396
17	40	48-8M0002425	48-8M0002426
16.75	40	48-8M0002455	48-8M0002456
16.50	40	48- <b>8M0002485</b>	48- <b>8M0002486</b>
16.25	40	48- <b>8M0002515</b>	48- <b>8M0002516</b>
15	40	48- <b>8M0002545</b>	48- <b>8M0002546</b>
15.75	40	48-8M0002575	48-8M0002576
15.50	40	48-8M0002605	48-8M0002606
15.25	40	48-8M0002635	48-8M0002636
15	40	48- <b>8M0002665</b>	48- <b>8M0002666</b>

# CNC Cleaver, Heat Treated SS 5 Blade, 15 Degree Rake - 1100 HP

IIIA, IV, V, VI, VII SSM, NXT1, M8, Case 8M0107970 included. 26 Spline hub with 1.75/1.88 in.(44.5/47.7mm) O.D. propeller shaft and 6 in. (152mm) hub length

Diameter (Inches)	Pitch	LH Rotation	RH Rotation	
17.50	34	48-8M0106641	48-8M0106640	
17.50	35	48-8M0106643	48-8M0049142	
17.50	36	48-8M0109491	48-8M0109490	
17.50	37	48-8M0112363	48-8M0112362	

## CNC Cleaver, Heat Treated SS 5 Blade, 15 Degree Rake - 900 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	26	48-8M0003447	48-8M0003448
17.75	26	48-8M0003449	48-8M0003450
17.50	26	48- <b>8M0003507</b>	48-8M0003508
17.25	26	48-8M0003537	48-8M0003538
17	26	48- <b>8M0003567</b>	48-8M0003568
16.75	26	48- <b>8M0003597</b>	48-8M0003598
16.50	26	48-8M0003627	48-8M0003628
16.25	26	48- <b>8M0003657</b>	48-8M0003658
16	26	48-8M0003687	48-8M0003688
15.75	26	48-8M0003717	48-8M0003718
15.50	26	48-8M0003747	48-8M0003748
15.25	26	48- <b>8M0003777</b>	48-8M0003778
15	26	48- <b>8M0003807</b>	48- <b>8M0003808</b>
18	27	48-8M0003449	48-8M0003450
17.75	27	48-8M0003479	48-8M0003480
17.50	27	48- <b>8M0003507</b>	48-8M0003508
17.25	27	48-8M0003539	48-8M0003538
17	27	48-8M0003569	48-8M0003570
16.75	27	48-8M0003599	48-8M0003600
16.50	27	48- <b>8M0003629</b>	48-8M0003630
16.25	27	48- <b>8M0003659</b>	48-8M0003660

16	Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.75				
15.50 27 48.8M0003749 48.8M0003750 15.25 27 48.8M0003809 48.8M0003780 15 27 48.8M0003809 48.8M0003810 18 28 48.8M0003451 48.8M0003462 17.75 28 48.8M0003511 48.8M0003612 17.25 28 48.8M0003511 48.8M0003512 17.25 28 48.8M0003571 48.8M0003572 16.75 28 48.8M0003571 48.8M0003572 16.75 28 48.8M0003571 48.8M000362 16.50 28 48.8M0003601 48.8M0003632 16.25 28 48.8M0003601 48.8M0003632 16.25 28 48.8M0003601 48.8M0003632 15.75 28 48.8M0003601 48.8M0003622 15.75 28 48.8M0003601 48.8M0003622 15.75 28 48.8M0003721 48.8M0003622 15.75 28 48.8M0003721 48.8M0003722 15.50 28 48.8M0003751 48.8M0003722 15.50 28 48.8M0003751 48.8M0003722 15.50 28 48.8M0003751 48.8M0003722 17.75 29 48.8M0003751 48.8M0003782 16.75 29 48.8M0003543 48.8M0003782 17.75 29 48.8M0003543 48.8M0003782 17.75 29 48.8M0003543 48.8M0003544 17 29 48.8M0003563 48.8M0003544 17 29 48.8M0003563 48.8M0003544 17 29 48.8M0003563 48.8M0003644 17 29 48.8M0003563 48.8M0003644 18 30 48.8M0003603 48.8M0003694 15.75 29 48.8M0003603 48.8M0003644 16 29 48.8M0003563 48.8M0003644 17 29 48.8M0003663 48.8M0003644 17 29 48.8M0003663 48.8M0003664 16 29 48.8M0003665 48.8M0003664 16 29 48.8M0003665 48.8M0003664 16 29 48.8M0003665 48.8M0003666 16 30 48.8M0003667 48.8M0003666 16 30 48.8M0003667 48.8M0003668				
15.25				
15 27 48.8M0003809 48.8M0003810 18 28 48.8M0003451 48.8M0003452 17.75 28 48.8M0003451 48.8M0003452 17.75 28 48.8M0003511 48.8M0003512 17.25 28 48.8M0003511 48.8M0003572 16.75 28 48.8M0003511 48.8M0003572 16.50 28 48.8M0003511 48.8M0003572 16.50 28 48.8M0003511 48.8M0003602 16.50 28 48.8M0003661 48.8M000362 16.55 28 48.8M0003661 48.8M000362 16.55 28 48.8M0003661 48.8M000362 16.55 28 48.8M0003661 48.8M000362 16.575 28 48.8M0003661 48.8M000362 16.575 28 48.8M0003711 48.8M0003752 15.75 28 48.8M0003711 48.8M0003752 15.75 28 48.8M0003711 48.8M0003752 15.75 28 48.8M0003711 48.8M0003752 15.50 28 48.8M0003751 48.8M0003752 15.25 28 48.8M0003751 48.8M0003752 17.775 29 48.8M0003543 48.8M0003512 18 29 48.8M0003543 48.8M0003514 17.750 29 48.8M0003543 48.8M0003544 17.50 29 48.8M0003543 48.8M0003544 18.8M0003544 18.8M0003544 18.8M0003545 48.8M0003546 18.25 29 48.8M0003543 48.8M0003544 18.8M0003546 18.25 29 48.8M0003563 48.8M0003544 18.8M0003546 18.8M00				
18				
17.75         28         48.8M0003481         48.8M0003512           17.50         28         48.8M0003511         48.8M0003512           17.25         28         48.8M0003571         48.8M0003522           17         28         48.8M0003571         48.8M0003622           16.75         28         48.8M0003601         48.8M0003622           16.50         28         48.8M0003661         48.8M0003622           16.50         28         48.8M0003661         48.8M0003622           16         28         48.8M0003721         48.8M0003622           15.75         28         48.8M0003721         48.8M0003722           15.50         28         48.8M0003751         48.8M0003752           15.25         28         48.8M0003781         48.8M0003752           15         28         48.8M0003781         48.8M0003812           18         29         48.8M0003831         48.8M0003812           18         29         48.8M0003833         48.8M0003834           17.75         29         48.8M0003833         48.8M0003834           17.25         29         48.8M0003834         48.8M0003834           17.25         29         48.8M0003834         48.8M0003834<				
17.50 28 48 M0003511 48 8M0003512 17.25 28 48 8M0003571 48 8M0003572 16.75 28 48 8M0003601 48 8M0003602 16.50 28 48 8M0003661 48 8M0003602 16.50 28 48 8M0003661 48 8M0003602 16.25 28 48 8M0003661 48 8M000362 16.25 28 48 8M0003661 48 8M000362 15.75 28 48 8M0003721 48 8M0003722 15.50 28 48 8M0003721 48 8M0003722 15.50 28 48 8M0003751 48 8M0003752 15.25 28 48 8M0003761 48 8M0003762 15.75 29 48 8M0003811 48 8M0003812 18 29 48 8M0003463 48 8M0003812 18 29 48 8M0003463 48 8M0003514 17.75 29 48 8M0003513 48 8M0003514 17.25 29 48 8M0003513 48 8M0003514 17.25 29 48 8M0003533 48 8M0003514 16.75 29 48 8M0003603 48 8M0003574 16.50 29 48 8M0003603 48 8M0003604 16.50 29 48 8M0003603 48 8M0003604 16.50 29 48 8M0003633 48 8M0003664 16 29 48 8M0003663 48 8M0003666 16 29 48 8M0003665 48 8M0003666 16 29 48 8M0003665 48 8M0003764 15.50 30 48 8M0003655 48 8M0003766 16.50 30 48 8M0003655 48 8M0003666 16 30 48 8M0003657 48 8M0003668 17.75 31 48 8M0003667 48 8M0003668 18 31 48 8M0003667 48 8M0003668 16.50 31 48 8M0003667 48 8M0003668 16.50 31 48 8M0003667 48 8M0003668 16.50 31 48 8M0003667 48 8M0003668				
17.25         28         48.8M0003571         48.8M0003572           16.75         28         48.8M0003571         48.8M0003602           16.50         28         48.8M0003611         48.8M0003602           16.50         28         48.8M0003611         48.8M000362           16.25         28         48.8M0003611         48.8M000362           16         28         48.8M0003721         48.8M0003722           15.75         28         48.8M000371         48.8M0003722           15.50         28         48.8M000371         48.8M0003722           15.50         28         48.8M000371         48.8M0003722           15.50         28         48.8M000371         48.8M0003782           15         28         48.8M0003811         48.8M0003782           15         28         48.8M0003453         48.8M0003452           17.75         29         48.8M0003433         48.8M0003444           17.75         29         48.8M0003573         48.8M0003574           16.75         29         48.8M0003573         48.8M0003574           16.75         29         48.8M0003603         48.8M0003604           16.25         29         48.8M0003603         48.8M0003606<				
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16.25         28         48.8M0003661         48.8M0003692           16         28         48.8M0003691         48.8M0003792           15.75         28         48.8M0003751         48.8M0003752           15.50         28         48.8M0003751         48.8M0003752           15         28         48.8M0003811         48.8M0003762           15         28         48.8M0003453         48.8M0003454           17.75         29         48.8M0003453         48.8M0003454           17.75         29         48.8M0003513         48.8M0003514           17.50         29         48.8M0003533         48.8M0003514           17.25         29         48.8M0003573         48.8M0003574           16         29         48.8M0003633         48.8M0003604           16.50         29         48.8M0003663         48.8M0003604           16.25         29         48.8M0003663         48.8M0003664           16         29         48.8M0003663         48.8M0003664           16         29         48.8M0003663         48.8M0003764           15.26         29         48.8M0003763         48.8M0003764           15.26         29         48.8M00003763         48.8M0003764 <td></td> <td></td> <td></td> <td></td>				
16         28         48-8M0003691         48-8M0003722           15.75         28         48-8M0003721         48-8M0003722           15.50         28         48-8M0003751         48-8M0003752           15.25         28         48-8M0003781         48-8M0003782           15         28         48-8M0003811         48-8M0003812           18         29         48-8M0003453         48-8M0003454           17.75         29         48-8M0003513         48-8M0003514           17.50         29         48-8M0003513         48-8M0003514           17         29         48-8M0003573         48-8M0003574           16.75         29         48-8M0003603         48-8M0003574           16.75         29         48-8M0003633         48-8M0003634           16.75         29         48-8M0003633         48-8M0003664           16         29         48-8M0003633         48-8M0003664           16         29         48-8M0003633         48-8M0003664           16         29         48-8M0003633         48-8M0003664           16         29         48-8M0003753         48-8M0003664           15.50         29         48-8M0003753         48-8M0003754				
15.75         28         48-8M0003721         48-8M0003752           15.50         28         48-8M0003751         48-8M0003752           15.25         28         48-8M0003811         48-8M0003782           15         28         48-8M0003811         48-8M0003812           18         29         48-8M0003453         48-8M0003454           17.75         29         48-8M0003513         48-8M0003514           17.50         29         48-8M0003513         48-8M0003514           17.25         29         48-8M0003533         48-8M0003514           17         29         48-8M0003573         48-8M0003574           16.75         29         48-8M0003603         48-8M0003574           16.50         29         48-8M0003633         48-8M0003604           16         29         48-8M0003633         48-8M0003604           16         29         48-8M0003633         48-8M0003664           16         29         48-8M0003633         48-8M0003664           16         29         48-8M0003753         48-8M0003754           15.75         29         48-8M0003753         48-8M0003754           15.25         29         48-8M0003753         48-8M0003754				
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15.25         28         48.8M0003781         48.8M0003782           15         28         48.8M0003811         48.8M0003812           18         29         48.8M0003453         48.8M0003454           17.75         29         48.8M0003513         48.8M0003514           17.50         29         48.8M0003513         48.8M0003514           17.25         29         48.8M0003573         48.8M0003544           17         29         48.8M0003603         48.8M0003604           16.75         29         48.8M0003603         48.8M0003604           16.50         29         48.8M0003633         48.8M0003664           16         29         48.8M0003633         48.8M0003664           16         29         48.8M0003633         48.8M0003664           16         29         48.8M0003633         48.8M0003664           16         29         48.8M0003723         48.8M0003724           15.50         29         48.8M0003723         48.8M0003724           15.25         29         48.8M0003733         48.8M0003784           15         29         48.8M0003733         48.8M0003784           16         29         48.8M0003373         48.8M0003784 <td></td> <td></td> <td></td> <td></td>				
15         28         48.8M0003811         48.8M0003812           18         29         46.8M0003453         46.8M0003454           17.75         29         46.8M0003483         48.8M0003444           17.50         29         46.8M0003513         48.8M0003514           17.25         29         46.8M0003573         48.8M0003574           16.75         29         48.8M0003603         48.8M0003604           16.50         29         48.8M0003633         48.8M0003644           16.50         29         48.8M0003633         48.8M0003664           16         29         48.8M0003663         48.8M0003664           16         29         48.8M0003693         48.8M0003664           16         29         48.8M0003723         48.8M0003724           15.50         29         48.8M0003733         48.8M0003744           15.50         29         48.8M0003733         48.8M00003744           15         29         48.8M0003733         48.8M00003744           15.50         29         48.8M0003733         48.8M00003744           18         30         48.8M0003455         48.8M0003456           17.75         30         48.8M0000355         48.8M00003456 <td></td> <td></td> <td></td> <td></td>				
18         29         48 8M0003453         48 8M0003464           17.75         29         48 8M0003483         48 8M0003484           17.50         29         48 8M0003513         48 8M0003514           17.25         29         48 8M0003573         48 8M0003574           16.75         29         48 8M0003603         48 8M0003604           16.50         29         48 8M0003633         48 8M0003634           16.25         29         48 8M0003663         48 8M0003664           16         29         48 8M0003693         48 8M0003664           16         29         48 8M0003723         48 8M0003694           15.75         29         48 8M0003723         48 8M0003724           15.50         29         48 8M0003733         48 8M0003764           15.25         29         48 8M0003733         48 8M0003764           15.25         29         48 8M0003733         48 8M0003764           15.25         29         48 8M0003783         48 8M0003764           15         29         48 8M0003783         48 8M0003814           18         30         48 8M0003815         48 8M0003456           17.75         30         48 8M0003555         48 8M0003656<				
17.75         29         48-8M0003483         48-8M0003614           17.50         29         48-8M0003513         48-8M0003614           17.25         29         48-8M0003633         48-8M0003674           16.75         29         48-8M0003603         48-8M0003604           16.50         29         48-8M0003633         48-8M0003604           16.50         29         48-8M0003663         48-8M0003664           16         29         48-8M0003663         48-8M0003664           16         29         48-8M0003663         48-8M0003664           16         29         48-8M0003723         48-8M0003664           16         29         48-8M0003723         48-8M0003724           15.50         29         48-8M0003753         48-8M0003754           15.25         29         48-8M0003783         48-8M0003754           15         29         48-8M0003783         48-8M0003784           15         29         48-8M0003813         48-8M0003814           18         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003515         48-8M0003516           17.26         30         48-8M000355         48-8M0003566				
17.50         29         48-8M0003513         48-8M0003514           17         29         48-8M0003573         48-8M0003574           16.75         29         48-8M0003603         48-8M0003604           16.50         29         48-8M0003633         48-8M0003634           16.25         29         48-8M0003663         48-8M0003664           16         29         48-8M0003693         48-8M0003694           15.75         29         48-8M0003723         48-8M0003724           15.50         29         48-8M0003753         48-8M0003754           15         29         48-8M0003783         48-8M0003754           15         29         48-8M0003783         48-8M0003784           15         29         48-8M0003783         48-8M0003784           15         29         48-8M0003813         48-8M0003456           17.75         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003545         48-8M0003566           16         30         48-8M000365         48-8M0003666           16.50         30         48-8M000365         48-8M0003666				
17.25         29         48-8M0003543         48-8M0003574           17         29         48-8M0003573         48-8M0003574           16.75         29         48-8M0003603         48-8M0003604           16.50         29         48-8M0003633         48-8M0003644           16.25         29         48-8M0003663         48-8M0003664           16         29         48-8M0003693         48-8M0003694           15.75         29         48-8M0003723         48-8M0003724           15.50         29         48-8M0003753         48-8M0003754           15.25         29         48-8M0003783         48-8M0003784           15         29         48-8M0003783         48-8M0003784           15         29         48-8M0003455         48-8M0003456           15         29         48-8M0003455         48-8M0003456           17.75         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003515         48-8M0003456           17.25         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003605         48-8M0003666           16.50         30         48-8M0003665         48-8M0003666<				
17         29         48-8M0003573         48-8M0003604           16.75         29         48-8M0003603         48-8M0003604           16.50         29         48-8M0003633         48-8M0003644           16.25         29         48-8M0003663         48-8M0003664           16         29         48-8M0003693         48-8M0003694           15.75         29         48-8M0003723         48-8M0003724           15.50         29         48-8M0003753         48-8M0003754           15.25         29         48-8M0003783         48-8M0003754           15         29         48-8M0003813         48-8M0003764           15         29         48-8M0003455         48-8M0003456           17.75         30         48-8M0003455         48-8M0003466           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003555         48-8M0003566           17         30         48-8M0003575         48-8M0003576           16.75         30         48-8M0003605         48-8M0003666           16         30         48-8M0003665         48-8M0003666           16         30         48-8M0003665         48-8M0003666				
16.75         29         48-8M0003603         48-8M0003604           16.50         29         48-8M0003633         48-8M0003634           16.25         29         48-8M0003663         48-8M0003664           16         29         48-8M0003693         48-8M0003694           15.75         29         48-8M0003723         48-8M0003724           15.50         29         48-8M0003753         48-8M0003754           15.25         29         48-8M0003783         48-8M0003784           15         29         48-8M0003813         48-8M0003814           18         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003485         48-8M0003486           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003515         48-8M0003516           17         30         48-8M0003575         48-8M0003576           16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M0003605         48-8M0003666           16         30         48-8M0003605         48-8M0003666           15.75         30         48-8M0003605         48-8M0003666<	-			
16.50         29         48-8M0003633         48-8M0003664           16.25         29         48-8M0003663         48-8M0003664           16         29         48-8M0003693         48-8M0003694           15.75         29         48-8M0003723         48-8M0003724           15.50         29         48-8M0003753         48-8M0003754           15.25         29         48-8M0003783         48-8M0003784           15         29         48-8M0003813         48-8M0003814           18         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003485         48-8M0003466           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M000355         48-8M0003566           16         30         48-8M0003605         48-8M0003576           16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M0003605         48-8M0003606           16         30         48-8M0003605         48-8M0003666           16         30         48-8M0003605         48-8M0003666           15.50         30         48-8M0003605         48-8M0003606				
16.25         29         48-8M0003663         48-8M0003664           16         29         48-8M0003693         48-8M0003694           15.75         29         48-8M0003723         48-8M0003724           15.50         29         48-8M0003753         48-8M0003784           15.25         29         48-8M0003813         48-8M0003814           18         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003485         48-8M0003486           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003575         48-8M0003576           16.75         30         48-8M000365         48-8M0003576           16.75         30         48-8M000365         48-8M000366           16.50         30         48-8M000365         48-8M000366           16         30         48-8M0003665         48-8M0003666           16         30         48-8M0003665         48-8M0003666           15.75         30         48-8M0003665         48-8M0003666           15.75         30         48-8M0003665         48-8M0003666           15.50         30         48-8M0003665         48-8M0003666 <td></td> <td></td> <td></td> <td></td>				
16         29         48.8M0003693         48.8M0003694           15.75         29         48.8M0003723         48.8M0003724           15.50         29         48.8M0003753         48.8M0003754           15.25         29         48.8M0003783         48.8M0003784           15         29         48.8M0003813         48.8M0003814           18         30         48.8M0003455         48.8M0003456           17.75         30         48.8M0003485         48.8M0003466           17.50         30         48.8M0003515         48.8M0003516           17.25         30         48.8M0003555         48.8M0003546           17         30         48.8M0003555         48.8M0003546           17         30         48.8M0003555         48.8M0003546           17         30         48.8M0003675         48.8M0003576           16.75         30         48.8M0003605         48.8M0003666           16.25         30         48.8M0003665         48.8M0003666           16         30         48.8M0003665         48.8M0003666           15.75         30         48.8M0003665         48.8M0003666           15.50         30         48.8M0003666         48.8M0003666				
15.75         29         48-8M0003723         48-8M0003724           15.50         29         48-8M0003753         48-8M0003754           15.25         29         48-8M0003783         48-8M0003784           15         29         48-8M0003813         48-8M0003814           18         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003485         48-8M0003466           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003555         48-8M0003576           16.75         30         48-8M0003655         48-8M0003666           16.50         30         48-8M0003655         48-8M0003606           16.50         30         48-8M0003655         48-8M0003666           16         30         48-8M0003655         48-8M0003666           16         30         48-8M0003655         48-8M0003666           16         30         48-8M0003655         48-8M0003666           15.75         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003725         48-8M0003726           15.25         30         48-8M0003657         48-8M0003666<				
15.50         29         48-8M0003753         48-8M0003754           15.25         29         48-8M0003783         48-8M0003784           15         29         48-8M0003813         48-8M0003814           18         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003485         48-8M0003486           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003575         48-8M0003576           16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M0003605         48-8M0003606           16.50         30         48-8M0003665         48-8M0003666           16         30         48-8M0003665         48-8M0003666           16         30         48-8M0003695         48-8M0003696           15.75         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003755         48-8M0003726           15.50         30         48-8M0003725         48-8M0003756           15         30         48-8M0003755         48-8M0003756           15         30         48-8M0003775         48-8M000366				
15.25         29         48-8M0003783         48-8M0003784           15         29         48-8M0003813         48-8M0003814           18         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003485         48-8M0003466           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003545         48-8M0003546           17         30         48-8M0003575         48-8M0003576           16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M000365         48-8M0003666           16         30         48-8M0003665         48-8M0003696           15.75         30         48-8M0003695         48-8M0003696           15.50         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003755         48-8M0003726           15.25         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003725         48-8M0003726           15.50         31         48-8M0003725         48-8M000372				
15         29         48-8M0003813         48-8M0003814           18         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003485         48-8M0003486           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003545         48-8M0003546           17         30         48-8M0003575         48-8M0003576           16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M0003635         48-8M0003636           16.25         30         48-8M0003665         48-8M0003666           16         30         48-8M0003695         48-8M0003696           15.75         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003755         48-8M0003726           15.25         30         48-8M0003725         48-8M0003726           15.75         31         48-8M0003725         48-8M0003726           15.25         30         48-8M0003725         48-8M0003726           15.25         30         48-8M0003725         48-8M0003726           15.25         31         48-8M0003617         48-8M00036				
18         30         48-8M0003455         48-8M0003456           17.75         30         48-8M0003485         48-8M0003486           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003545         48-8M0003546           17         30         48-8M0003575         48-8M0003576           16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M000365         48-8M0003666           16         30         48-8M0003665         48-8M0003666           16         30         48-8M0003725         48-8M0003726           15.75         30         48-8M0003755         48-8M0003726           15.50         30         48-8M0003755         48-8M0003726           15.25         30         48-8M0003755         48-8M0003726           15.25         30         48-8M0003755         48-8M0003766           15         30         48-8M0003755         48-8M0003766           15         30         48-8M0003755         48-8M0003766           15         30         48-8M0003615         48-8M0003816           18         31         48-8M0003617         48-8M0003618     <				
17.75         30         48-8M0003485         48-8M0003486           17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003545         48-8M0003546           17         30         48-8M0003575         48-8M0003576           16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M0003635         48-8M0003636           16         30         48-8M0003665         48-8M0003666           16         30         48-8M0003725         48-8M0003726           15.75         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003755         48-8M0003756           15.25         30         48-8M0003755         48-8M0003766           15         30         48-8M0003755         48-8M0003766           15         30         48-8M0003755         48-8M0003766           15         30         48-8M0003785         48-8M0003786           15         30         48-8M0003815         48-8M0003816           18         31         48-8M0003657         48-8M0003487         48-8M0003618           17.75         31         48-8M0003607				
17.50         30         48-8M0003515         48-8M0003516           17.25         30         48-8M0003545         48-8M0003546           17         30         48-8M0003575         48-8M0003576           16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M0003635         48-8M0003636           16.25         30         48-8M0003665         48-8M0003666           16         30         48-8M0003725         48-8M0003726           15.75         30         48-8M0003755         48-8M0003756           15.25         30         48-8M0003755         48-8M0003766           15         30         48-8M0003755         48-8M0003766           15         30         48-8M0003755         48-8M0003766           15         30         48-8M0003755         48-8M0003766           18         31         48-8M0003815         48-8M0003816           18         31         48-8M0003457         48-8M0003488           17.75         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003577         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608	18			48-8M0003456
17.25         30         48.8M0003545         48.8M0003576           17         30         48.8M0003575         48.8M0003576           16.75         30         48.8M0003605         48.8M0003606           16.50         30         48.8M0003635         48.8M0003636           16.25         30         48.8M0003665         48.8M0003666           16         30         48.8M0003725         48.8M0003726           15.75         30         48.8M0003725         48.8M0003726           15.50         30         48.8M0003755         48.8M0003786           15         30         48.8M0003815         48.8M0003816           18         31         48.8M0003457         48.8M0003458           17.75         31         48.8M0003457         48.8M0003488           17.50         31         48.8M0003517         48.8M0003518           17.25         31         48.8M0003577         48.8M0003578           16.75         31         48.8M0003607         48.8M0003608           16.50         31         48.8M0003607         48.8M0003608           16.50         31         48.8M0003607         48.8M0003608				48-8M0003486
17         30         48-8M0003575         48-8M0003576           16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M0003635         48-8M0003666           16.25         30         48-8M0003665         48-8M0003666           16         30         48-8M0003695         48-8M0003696           15.75         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003755         48-8M0003766           15         30         48-8M0003755         48-8M0003766           15         30         48-8M0003815         48-8M0003816           18         31         48-8M0003457         48-8M0003458           17.75         31         48-8M0003487         48-8M0003488           17.25         31         48-8M0003517         48-8M0003518           17         31         48-8M0003577         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003607         48-8M0003608           16.25         31         48-8M0003607         48-8M0003608	17.50	30	48-8M0003515	48-8M0003516
16.75         30         48-8M0003605         48-8M0003606           16.50         30         48-8M0003635         48-8M0003636           16.25         30         48-8M0003665         48-8M0003666           16         30         48-8M0003695         48-8M0003696           15.75         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003755         48-8M0003766           15.25         30         48-8M0003815         48-8M0003816           18         31         48-8M0003457         48-8M0003458           17.75         31         48-8M0003487         48-8M0003488           17.50         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003577         48-8M0003548           17         31         48-8M0003677         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003667         48-8M0003668           16         31         48-8M0003667         48-8M0003698	17.25	30	48-8M0003545	48-8M0003546
16.50         30         48-8M0003635         48-8M0003636           16.25         30         48-8M0003665         48-8M0003666           16         30         48-8M0003725         48-8M0003726           15.75         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003755         48-8M0003766           15.25         30         48-8M0003815         48-8M0003816           18         31         48-8M0003457         48-8M0003458           17.75         31         48-8M0003487         48-8M0003488           17.50         31         48-8M0003517         48-8M0003518           17         31         48-8M0003577         48-8M0003548           17         31         48-8M000367         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003667         48-8M0003638           16.25         31         48-8M0003667         48-8M0003698	17	30	48-8M0003575	48-8M0003576
16.25         30         48.8M0003665         48.8M0003666           16         30         48.8M0003695         48.8M0003696           15.75         30         48.8M0003725         48.8M0003726           15.50         30         48.8M0003755         48.8M0003756           15.25         30         48.8M0003815         48.8M0003816           18         31         48.8M0003457         48.8M0003458           17.75         31         48.8M0003487         48.8M0003488           17.50         31         48.8M0003517         48.8M0003518           17         31         48.8M0003577         48.8M0003548           17         31         48.8M0003677         48.8M0003578           16.75         31         48.8M0003607         48.8M0003608           16.50         31         48.8M0003667         48.8M0003638           16.25         31         48.8M0003667         48.8M0003668           16         31         48.8M0003697         48.8M0003698	16.75	30	48-8M0003605	48-8M0003606
16         30         48-8M0003695         48-8M0003696           15.75         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003755         48-8M0003756           15.25         30         48-8M0003785         48-8M0003786           15         30         48-8M0003815         48-8M0003816           18         31         48-8M0003457         48-8M0003458           17.75         31         48-8M0003487         48-8M0003488           17.50         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003577         48-8M0003548           17         31         48-8M0003607         48-8M0003608           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003637         48-8M0003638           16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	16.50	30	48-8M0003635	48-8M0003636
15.75         30         48-8M0003725         48-8M0003726           15.50         30         48-8M0003755         48-8M0003766           15.25         30         48-8M0003815         48-8M0003816           15         30         48-8M0003815         48-8M0003816           18         31         48-8M0003457         48-8M0003458           17.75         31         48-8M0003487         48-8M0003488           17.50         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003547         48-8M0003548           17         31         48-8M0003677         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003637         48-8M0003638           16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	16.25	30	48-8M0003665	48-8M0003666
15.50         30         48-8M0003755         48-8M0003766           15.25         30         48-8M0003815         48-8M0003816           15         30         48-8M0003815         48-8M0003416           18         31         48-8M0003457         48-8M0003458           17.75         31         48-8M0003487         48-8M0003488           17.50         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003547         48-8M0003548           17         31         48-8M0003577         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003637         48-8M0003638           16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	16	30	48-8M0003695	48- <b>8M</b> 000 <b>3696</b>
15.25         30         48-8M0003785         48-8M0003786           15         30         48-8M0003815         48-8M0003816           18         31         48-8M0003457         48-8M0003458           17.75         31         48-8M0003487         48-8M0003488           17.50         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003547         48-8M0003548           17         31         48-8M0003577         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003637         48-8M0003638           16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	15.75	30	48-8M0003725	48- <b>8M</b> 000 <b>3726</b>
15         30         48-8M0003815         48-8M0003816           18         31         48-8M0003457         48-8M0003458           17.75         31         48-8M0003487         48-8M0003488           17.50         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003547         48-8M0003548           17         31         48-8M0003577         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003637         48-8M0003638           16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	15.50	30	48-8M0003755	48- <b>8M0003756</b>
18         31         48-8M0003457         48-8M0003458           17.75         31         48-8M0003487         48-8M0003488           17.50         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003547         48-8M0003548           17         31         48-8M0003577         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003637         48-8M0003638           16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	15.25	30	48-8M0003785	48- <b>8M</b> 000 <b>3786</b>
17.75         31         48-8M0003487         48-8M0003488           17.50         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003547         48-8M0003548           17         31         48-8M0003577         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003637         48-8M0003638           16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	15	30	48-8M0003815	48-8M0003816
17.50         31         48-8M0003517         48-8M0003518           17.25         31         48-8M0003547         48-8M0003548           17         31         48-8M0003577         48-8M0003578           16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003637         48-8M0003638           16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	18	31	48- <b>8M0003457</b>	48-8M0003458
17.25     31     48-8M0003547     48-8M0003548       17     31     48-8M0003577     48-8M0003578       16.75     31     48-8M0003607     48-8M0003608       16.50     31     48-8M0003637     48-8M0003638       16.25     31     48-8M0003667     48-8M0003668       16     31     48-8M0003697     48-8M0003698	17.75	31	48-8M0003487	48-8M0003488
17     31     48-8M0003577     48-8M0003578       16.75     31     48-8M0003607     48-8M0003608       16.50     31     48-8M0003637     48-8M0003638       16.25     31     48-8M0003667     48-8M0003668       16     31     48-8M0003697     48-8M0003698	17.50	31	48-8M0003517	48-8M0003518
16.75         31         48-8M0003607         48-8M0003608           16.50         31         48-8M0003637         48-8M0003638           16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	17.25	31	48-8M0003547	48-8M0003548
16.50     31     48-8M0003637     48-8M0003638       16.25     31     48-8M0003667     48-8M0003668       16     31     48-8M0003697     48-8M0003698	17	31	48-8M0003577	48-8M0003578
16.25         31         48-8M0003667         48-8M0003668           16         31         48-8M0003697         48-8M0003698	16.75	31	48-8M0003607	48-8M0003608
16 31 48-8M0003697 48-8M0003698	16.50	31	48-8M0003637	48- <b>8M</b> 0003638
	16.25	31	48-8M0003667	48- <b>8M</b> 0003668
15.75 31 48-8M0003727 48-8M0003728	16	31	48- <b>8M0003697</b>	48- <b>8M</b> 0003698
	15.75	31	48-8M0003727	48-8M0003728

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.50	31	48-8M0003757	48-8M0003758
15.25	31	48-8M0003787	48-8M0003788
15	31	48-8M0003817	48-8M0003818
18	32	48-8M0003459	48-8M0003460
17.75	32	48-8M0003489	48-8M0003490
17.50	32	48-8M0003519	48-8M0003520
17.25	32	48-8M0003549	48-8M0003550
17	32	48-8M0003579	48-8M0003580
16.75	32	48- <b>8M</b> 0003609	48- <b>8M</b> 0003610
16.50	32	48-8M0003639	48-8M0003640
16.25	32	48- <b>8M</b> 000 <b>3669</b>	48- <b>8M</b> 0003670
16	32	48-8M0003699	48-8M0003700
15.75	32	48-8M0003729	48-8M0003730
15.50	32	48-8M0003759	48-8M0003760
15.25	32	48-8M0003789	48-8M0003790
15	32	48-8M0003819	48-8M0003820
18	33	48-8M0003461	48-8M0003462
17.75	33	48-8M0003491	48-8M0003492
17.50	33	48-8M0003521	48-8M0003522
17.25	33	48-8M0003551	48-8M0003552
17	33	48-8M0003581	48-8M0003582
16.75	33	48-8M0003611	48-8M0003612
16.50	33	48-8M0003641	48-8M0003642
16.25	33	48-8M0003671	48-8M0003672
16	33	48-8M0003701	48-8M0003702
15.75	33	48-8M0003731	48-8M0003732
15.50	33	48-8M0003761	48-8M0003762
15.25	33	48-8M0003791	48- <b>8M0003792</b>
15	33	48-8M0003821	48-8M0003822
18	34	48-8M0003463	48- <b>8M0003464</b>
17.75	34	48- <b>8M0003493</b>	48- <b>8M0003494</b>
17.50	34	48- <b>8M0003523</b>	48-8M0003524
17.25	34	48- <b>8M0003553</b>	48- <b>8M0003554</b>
17	34	48-8M0003583	48-8M0003584
16.75	34	48-8M0003613	48-8M0003614
16.50	34	48-8M0003643	48-8M0003644
16.25	34	48-8M0003673	48-8M0003674
16	34	48-8M0003703	48-8M0003704
15.75	34	48-8M0003733	48-8M0003734
15.50	34	48-8M0003763	48-8M0003764
15.25	34	48-8M0003793	48-8M0003794
15	34	48-8M0003823	48-8M0003824
18	35	48-8M0003465	48- <b>8M0003466</b>
17.75	35	48-8M0003495	48-8M0003496
17.50	35	48-8M0003525	48- <b>8M0003526</b>
17.25	35	48-8M0003555	48- <b>8M0003556</b>
17	35	48- <b>8M</b> 000 <b>3585</b>	48-8M0003586
16.75	35	48-8M0003615	48- <b>8M0003616</b>
16.50	35	48-8M0003645	48- <b>8M0003646</b>
16.25	35	48-8M0003675	48- <b>8M0003676</b>
16	35	48-8M0003705	48- <b>8M0003706</b>
15.75	35	48-8M0003835	48-8M0003836
15.50	35	48-8M0003765	48-8M0003766
15.25	35	48-8M0003795	48-8M0003796

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15	35	48- <b>8M0003825</b>	48-8M0003826
18	36	48- <b>8M0003467</b>	48-8M0003468
17.75	36	48-8M0003497	48-8M0003498
17.50	36	48-8M0003527	48-8M0003528
17.25	36	48- <b>8M0003557</b>	48-8M0003558
17	36	48-8M0003587	48-8M0003588
16.75	36	48- <b>8M0003617</b>	48-8M0003618
16.50	36	48- <b>8M0003647</b>	48-8M0003648
16.25	36	48-8M0003677	48-8M0003678
16	36	48-8M0003707	48-8M0003708
15.75	36	48-8M0003737	48-8M0003738
15.50	36	48-8M0003767	48-8M0003768
15.25	36	48- <b>8M</b> 000 <b>3797</b>	48-8M0003798
15	36	48-8M0003827	48-8M0003828
18	37	48-8M0003469	48-8M0003470
17.75	37	48-8M0003499	48-8M0003500
17.50	37	48-8M0003529	48-8M0003530
17.25	37	48-8M0003559	48-8M0003560
17	37	48-8M0003589	48-8M0003590
16.75	37	48-8M0003619	48-8M0003620
16.50	37	48-8M0003649	48-8M0003650
16.25	37	48-8M0003679	48-8M0003680
16	37	48-8M0003709	48-8M0003710
15.75	37	48-8M0003739	48-8M0003740
15.50	37	48-8M0003769	48-8M0003770
15.25	37	48-8M0003799	48-8M0003800
15	37	48-8M0003829	48-8M0003830
18	38	48-8M0003471	48-8M0003472
17.75	38	48-8M0003501	48-8M0003502
17.50	38	48-8M0003531	48-8M0003532
17.25	38	48-8M0003561	48-8M0003562
17	38	48-8M0003591	48-8M0003592
16.75	38	48-8M0003621	48-8M0003622
16.50	38	48- <b>8M</b> 0003651	48-8M0003652
16.25	38	48- <b>8M0003681</b>	48-8M0003682
16	38	48- <b>8M0003711</b>	48-8M0003712
15.75	38	48- <b>8M0003741</b>	48-8M0003742
15.50	38	48- <b>8M0003771</b>	48-8M0003772
15.25	38	48- <b>8M</b> 0003801	48-8M0003802
15	38	48-8M0003831	48-8M0003832
18	39	48-8M0003473	48-8M0003474
17.75	39	48- <b>8M0003503</b>	48-8M0003504
17.50	39	48- <b>8M0003533</b>	48-8M0003534
17.25	39	48- <b>8M0003563</b>	48-8M0003564
17	39	48-8M0003593	48-8M0003594
16.75	39	48-8M0003623	48-8M0003624
16.50	39	48-8M0003653	48-8M0003654
16.25	39	48-8M0003683	48-8M0003684
16	39	48-8M0003713	48-8M0003714
15.75	39	48-8M0003743	48-8M0003744
15.50	39	48-8M0003773	48-8M0003774
15.25	39	48-8M0003803	48-8M0003804
15	39	48- <b>8M</b> 0003835	48-8M0003836
18	40	48-8M0003475	48-8M0003476
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Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17.75	40	48-8M0003505	48-8M0003506
17.50	40	48- <b>8M0003535</b>	48- <b>8M0003536</b>
17.25	40	48- <b>8M0003565</b>	48- <b>8M0003566</b>
17	40	48- <b>8M0003595</b>	48- <b>8M0003596</b>
16.75	40	48- <b>8M0003625</b>	48- <b>8M0003626</b>
16.50	40	48- <b>8M0003655</b>	48- <b>8M0003656</b>
16.25	40	48- <b>8M0003685</b>	48- <b>8M0003686</b>
15	40	48- <b>8M0003715</b>	48-8M0003716
15.75	40	48- <b>8M0003745</b>	48-8M0003746
15.50	40	48- <b>8M0003775</b>	48- <b>8M0003776</b>
15.25	40	48-8M0003805	48-8M0003806
15	40	48-8M0003835	48-8M0003836

# CNC Cleaver, Heat Treated SS 5 Blade, 15 Degree Rake - 700 HP

IIIA, IV, V, VI, VII SSM, NXT1, M8, Case 8M0107970 included. 26 Spline hub with 1.75/1.88 in.(44.5/47.7mm) O.D. propeller shaft and 6 in. (152mm) hub length

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17	34	48-8M0104253	48-8M0104252
17	35	48-8M0109501	48-8M0109500

### CNC Cleaver, Heat Treated SS 5 Blade, 15 Degree Rake - 600 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
14.75	25	48-8M0071911	
14.5	25	48-8M0065413	
18	26	48-8M0004617	48-8M0004618
17.75	26	48-8M0004647	48-8M0004648
17.50	26	48- <b>8M0004677</b>	48-8M0004678
17.25	26	48- <b>8M0004707</b>	48-8M0004708
17	26	48-8M0004737	48-8M0004738
16.75	26	48- <b>8M0004767</b>	48-8M0004768
16.50	26	48- <b>8M0004797</b>	48-8M0004798
16.25	26	48- <b>8M0004827</b>	48-8M0004828
16	26	48- <b>8M0004857</b>	48-8M0004858
15.75	26	48- <b>8M0004887</b>	48-8M0004888
15.50	26	48-8M0004917	48-8M0004918
15.25	26	48-8M0004947	48-8M0004948
15	26	48- <b>8M0004977</b>	48-8M0004978
14.75	26	48- <b>8M0063206</b>	
14.5	26	48- <b>8M0065293</b>	48-8M0065294
18	27	48-8M0004619	48-8M0004620
17.75	27	48-8M0004649	48-8M0004650
17.50	27	48-8M0004679	48-8M0004680
17.25	27	48- <b>8M0004709</b>	48-8M0004710
17	27	48-8M0004739	48-8M0004740
16.75	27	48-8M0004769	48-8M0004770
16.50	27	48-8M0004799	48-8M0004800
16.25	27	48-8M0004829	48-8M0004830

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16	27	48-8M0004859	48-8M0004860
15.75	27	48-8M0004889	48-8M0004890
15.50	27	48-8M0004919	48-8M0004920
15.25	27	48-8M0004949	48-8M0004950
15	27	48-8M0004979	48-8M0004980
14.5	27	48-8M0065295	48-8M0065296
18	28	48-8M0004621	48-8M0004622
17.75	28	48-8M0004651	48-8M0004652
17.50	28	48-8M0004681	48-8M0004682
17.25	28	48-8M0004711	48-8M0004712
17	28	48-8M0004741	48-8M0004742
16.75	28	48-8M0004771	48-8M0004772
16.50	28	48-8M0004801	48-8M0004802
16.25	28	48-8M0004831	48-8M0004832
16	28	48-8M0004861	48-8M0004862
15.75	28	48-8M0004891	48-8M0004892
15.50	28	48-8M0004921	48-8M0004922
15.25	28	48-8M0004951	48-8M0004952
15	28	48-8M0004981	48-8M0004982
14.5	28	48-8M0075897	48-8M0075896
18	29	48-8M0004623	48-8M0004624
17.75	29	48-8M0004653	48-8M0004654
17.50	29	48-8M0004683	48-8M0004684
17.25	29	48-8M0004713	48-8M0004714
17.25	29	48-8M0004713	48-8M0004714
	29		
16.75		48-8M0004773	48-8M0004774
16.50	29	48-8M0004803	48-8M0004804
16.25		48-8M0004833	48-8M0004834
16	29	48-8M0004863	48-8M0004864
15.75	29	48-8M0004893	48-8M0004894
15.50	29	48-8M0004923	48-8M0004924
15.25	29	48-8M0004953	48-8M0004954
15	29	48-8M0004983	48-8M0004984
18	30	48-8M0004625	48-8M0004626
17.75	30	48-8M0004655	48-8M0004656
17.50	30	48-8M0004685	48-8M0004686
17.25	30	48-8M0004715	48-8M0004716
17	30	48-8M0004745	48-8M0004746
16.75	30	48-8M0004775	48-8M0004776
16.50	30	48-8M0004805	48-8M0004806
16.25	30	48-8M0004835	48-8M0004836
16	30	48-8M0004865	48- <b>8M</b> 000 <b>4866</b>
15.75	30	48-8M0004895	48-8M0004896
15.50	30	48-8M0004925	48- <b>8</b> M0004926
15.25	30	48-8M0004955	48-8M0004956
15	30	48-8M0004985	48-8M0004986
18	31	48-8M0004627	48-8M0004628
17.75	31	48-8M0004657	48-8M0004658
17.50	31	48-8M0004687	48- <b>8M0004688</b>
17.25	31	48- <b>8M0004717</b>	48- <b>8M0004718</b>
17	31	48- <b>8M0004747</b>	48- <b>8M0004748</b>
16.75	31	48- <b>8M0004777</b>	48- <b>8M0004778</b>
16.50	31	48-8M0004807	48-8M0004808
16.25	31	48-8M0004837	48- <b>8M0004838</b>

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16	31	48-8M0004867	48-8M0004868
15.75	31	48-8M0004897	48- <b>8M</b> 0004898
15.50	31	48-8M0004927	48-8M0004928
15.25	31	48-8M0004957	48-8M0004958
15	31	48-8M0004987	48-8M0004988
18	32	48-8M0004629	48-8M0004630
17.75	32	48-8M0004659	48- <b>8M</b> 000 <b>4</b> 660
17.50	32	48-8M0004689	48-8M0004690
17.25	32	48-8M0004719	48-8M0004720
17	32	48-8M0004749	48-8M0004750
16.75	32	48-8M0004779	48- <b>8M</b> 0004780
16.50	32	48-8M0004809	48-8M0004810
16.25	32	48-8M0004839	48-8M0004840
16	32	48-8M0004869	48-8M0004870
15.75	32	48-8M0004899	48- <b>8</b> M0004900
15.50	32	48-8M0004929	48-8M0004930
15.25	32	48-8M0004959	48-8M0004960
15	32	48-8M0004989	48-8M0004990
18	33	48-8M0004631	48-8M0004632
17.75	33	48-8M0004661	48-8M0004662
17.50	33	48-8M0004691	48-8M0004692
17.25	33	48-8M0004721	48-8M0004722
17.25	33	48-8M0004751	48-8M0004752
16.75	33	48-8M0004781	48-8M0004782
16.50	33	48-8M0004781 48-8M0004811	48-8M0004812
16.25	33	48-8M0004841	48-8M0004842
16	33	48-8M0004871	48-8M0004872
	33		
15.75		48-8M0004901	48-8M0004902
15.50	33	48-8M0004931	48-8M0004932
15.25	33	48-8M0004961	48-8M0004962
15	33	48-8M0004991	48-8M0004992
18	34	48-8M0004633	48-8M0004634
17.75	34	48-8M0004663	48-8M0004664
17.50	34	48-8M0004693	48-8M0004694
17.25	34	48-8M0004723	48-8M0004724
17	34	48-8M0004753	48-8M0004754
16.75	34	48-8M0004783	48-8M0004784
16.50	34	48-8M0004813	48-8M0004814
16.25	34	48-8M0004843	48-8M0004844
16	34	48-8M0004873	48-8M0004874
15.75	34	48-8M0004903	48- <b>8</b> M0004904
15.50	34	48-8M0004933	48-8M0004934
15.25	34	48-8M0004963	48-8M0004964
15	34	48-8M0004993	48- <b>8M0004994</b>
18	35	48-8M0004635	48-8M0004636
17.75	35	48-8M0004665	48-8M0004666
17.50	35	48-8M0004695	48-8M0004696
17.25	35	48-8M0004725	48-8M0004726
17	35	48-8M0004755	48- <b>8M0004756</b>
16.75	35	48-8M0004785	48- <b>8M0004786</b>
16.50	35	48-8M0004815	48- <b>8M0004816</b>
16.25	35	48-8M0004845	48-8M0004846
16	35	48-8M0004875	48- <b>8M</b> 0004876
15.75	35	48-8M0004905	48-8M0004906

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Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.50	35	48-8M0004935	48-8M0004936
15.25	35	48-8M0004965	48-8M0004966
15	35	48- <b>8M</b> 000 <b>4</b> 995	48-8M0004996
18	36	48-8M0004637	48-8M0004638
17.75	36	48-8M0004667	48-8M0004668
17.50	36	48- <b>8M0004697</b>	48-8M0004698
17.25	36	48-8M0004727	48-8M0004728
17	36	48-8M0004757	48-8M0004758
16.75	36	48-8M0004787	48-8M0004788
16.50	36	48-8M0004817	48-8M0004818
16.25	36	48-8M0004847	48-8M0004848
16	36	48-8M0004877	48-8M0004878
15.75	36	48-8M0004907	48-8M0004908
15.50	36	48-8M0004937	48-8M0004938
15.25	36	48-8M0004967	48-8M0004968
15	36	48- <b>8M</b> 000 <b>4</b> 99 <b>7</b>	48-8M0004998
18	37	48-8M0004639	48-8M0004640
17.75	37	48-8M0004669	48-8M0004670
17.50	37	48-8M0004701	48-8M0004702
17.25	37	48-8M0004731	48-8M0004732
17	37	48-8M0004761	48-8M0004762
16.75	37	48-8M0004791	48-8M0004792
16.50	37	48-8M0004821	48-8M0004822
16.25	37	48-8M0004849	48-8M0004850
16	37	48-8M0004879	48-8M0004880
15.75	37	48-8M0004909	48-8M0004910
15.50	37	48-8M0004939	48-8M0004940
15.25	37	48-8M0004971	48-8M0004972
15	37	48-8M0004999	48- <b>8M</b> 0005000
18	38	48-8M0004641	48-8M0004642
17.75	38	48-8M0004671	48-8M0004672
17.50	38	48-8M0004701	48-8M0004702
17.25	38	48-8M0004731	48-8M0004732
17	38	48-8M0004761	48-8M0004762
16.75	38	48-8M0004791	48-8M0004792
16.50	38	48-8M0004821	48-8M0004822
16.25	38	48-8M0004851	48-8M0004852
16	38	48-8M0004881	48-8M0004882
15.75	38	48-8M0004911	48-8M0004912
15.50	38	48-8M0004941	48-8M0004942
15.25	38	48-8M0004971	48-8M0004972
15	38	48-8M0005001	48-8M0005002
18	39	48-8M0004643	48-8M0004644
17.75	39	48-8M0004673	48-8M0004674
17.50	39	48-8M0004703	48-8M0004704
17.25	39	48-8M0004703	48-8M0004734
	39	48-8M0004763	48-8M0004764
16 75			
16.75	39	48-8M0004793	48-8M0004794
16.50	39	48-8M0004823	48-8M0004824
16.25	39	48-8M0004853	48-8M0004854
16	39	48-8M0004883	48-8M0004884
15.75	39	48-8M0004913	48-8M0004914
15.50	39	48-8M0004943	48-8M0004944
15.25	39	48-8M0004973	48-8M0004974

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15	39	48-8M0005003	48-8M0005004
18	40	48- <b>8M0004645</b>	48-8M0004646
17.75	40	48-8M0004675	48-8M0004676
17.50	40	48- <b>8M0004705</b>	48-8M0004706
17.25	40	48-8M0004735	48-8M0004736
17	40	48-8M0004765	48-8M0004766
16.75	40	48-8M0004795	48-8M0004796
16.50	40	48- <b>8M0004825</b>	48-8M0004826
16.25	40	48- <b>8M0004855</b>	48-8M0004856
15	40	48-8M0004885	48-8M0004886
15.75	40	48-8M0004915	48-8M0004916
15.50	40	48-8M0004945	48-8M0004946
15.25	40	48-8M0004975	48-8M0004976
15	40	48- <b>8M0005005</b>	48- <b>8M0005006</b>

# CNC CLEAVER 5 BLADE 18 DEGREE RAKE POLISHED LAB FINISHED STERNDRIVE PROPELLER



# CNC Cleaver, Heat Treated SS 5 Blade, 18 Degree Rake - 1550 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	30	48-8M0049333	48-8M0049334
17.75	30	48-8M0049355	48-8M0049356
17.5	30	48-8M0049377	48-8M0049378
17.25	30	48-8M0049399	48-8M0049400
17	30	48-8M0049421	48-8M0049422
16.75	30	48- <b>8M0049443</b>	48-8M0049444
16.5	30	48- <b>8M0049465</b>	48-8M0049466
16.25	30	48-8M0049487	48-8M0049488
16	30	48- <b>8M0049509</b>	48-8M0049510
18	31	48- <b>8M0049335</b>	48-8M0049336
17.75	31	48- <b>8M0049357</b>	48-8M0049358
17.5	31	48-8M0049379	48-8M0049380
17.25	31	48-8M0049401	48-8M0049402
17	31	48-8M0049423	48-8M0049424
16.75	31	48-8M0049445	48-8M0049446
16.5	31	48- <b>8M0049467</b>	48-8M0049468
16.25	31	48-8M0049489	48-8M0049490
16	31	48-8M0049511	48-8M0049512
18	32	48- <b>8M0049337</b>	48-8M0049338

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17.75	32	48-8M0049359	48-8M0049360
17.5	32	48-8M0049381	48-8M0049382
17.25	32	48-8M0049403	48-8M0049404
17	32	48-8M0049425	48-8M0049426
16.75	32	48-8M0049447	48-8M0049448
16.5	32	48- <b>8</b> M0049469	48-8M0049470
16.25	32	48- <b>8</b> M0049491	48-8M0049492
16	32	48-8M0049513	48-8M0049514
18	33	48-8M0049339	48-8M0049340
17.75	33	48-8M0049361	48-8M0049362
17.5	33	48-8M0049383	48-8M0049384
17.25	33	48-8M0049405	48-8M0049406
17	33	48-8M0049427	48-8M0049428
16.75	33	48-8M0049449	48-8M0049450
16.5	33	48-8M0049471	48-8M0049472
16.25	33	48-8M0049493	48-8M0049494
16	33	48-8M0049515	48-8M0049516
18	34	48-8M0049341	48-8M0049342
17.75	34	48-8M0049363	48-8M0049364
17.5	34	48-8M0049385	48-8M0049386
17.25	34	48-8M0049407	48-8M0049408
17	34	48-8M0049429	48-8M0049430
16.75	34	48-8M0049451	48-8M0049452
16.5	34	48-8M0049473	48-8M0049474
16.25	34	48-8M0049495	48-8M0049496
16	34	48-8M0049517	48-8M0049518
18	35	48-8M0049343	48-8M0049344
17.75	35	48-8M0049365	48-8M0049366
17.5	35	48-8M0049387	48-8M0049388
17.25	35	48-8M0049409	48-8M0049410
17	35	48-8M0049431	48-8M0049432
16.75	35	48-8M0049453	48-8M0049454
16.5	35	48-8M0049475	48-8M0049476
16.25	35	48-8M0049497	48-8M0049498
16	35	48-8M0049519	48-8M0049520
18	36	48-8M0049345	48-8M0049346
17.75	36	48-8M0049367	48-8M0049368
17.5	36	48-8M0049389	48-8M0049390
17.25	36	48-8M0049411	48-8M0049412
	36		
17		48-8M0049433	48-8M0049434
16.75	36	48-8M0049455	48-8M0049456
16.5	36	48-8M0049477	48-8M0049478
16.25	36	48-8M0049499	48-8M0049500
16	36	48-8M0049521	48-8M0049522
18	37	48-8M0049347	48-8M0049348
17.75	37	48-8M0049369	48-8M0049370
17.5	37	48-8M0049391	48-8M0049392
17.25	37	48-8M0049413	48-8M0049414
17	37	48-8M0049435	48-8M0049436
16.75	37	48-8M0049457	48-8M0049458
16.5	37	48-8M0049479	48-8M0049480
16.25	37	48-8M0049501	48-8M0049502
16	37	48-8M0049523	48- <b>8M0049524</b>
18	38	48- <b>8M0049349</b>	48-8M0049350

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
Diameter (Inches)			
17.75 17.5	38 38	48-8M0049371	48-8M0049372
-		48-8M0049393	48-8M0049394
17.25	38	48-8M0049415	48-8M0049416
17	38	48-8M0049437	48-8M0049438
16.75	38	48- <b>8M</b> 00 <b>4</b> 9 <b>4</b> 59	48-8M0049460
16.5	38	48-8M0049481	48-8M0049482
16.25	38	48-8M0049503	48-8M0049504
16	38	48-8M0049525	48-8M0049526
18	39	48- <b>8M0049351</b>	48-8M0049352
17.75	39	48-8M0049373	48-8M0049374
17.5	39	48-8M0049395	48-8M0049396
17.25	39	48-8M0049417	48-8M0049418
17	39	48-8M0049439	48- <b>8</b> M00 <b>4</b> 94 <b>4</b> 0
16.75	39	48-8M0049461	48-8M0049462
16.5	39	48-8M0049483	48- <b>8</b> M00 <b>4</b> 9 <b>4</b> 8 <b>4</b>
16.25	39	48-8M0049505	48-8M0049506
16	39	48-8M0049527	48-8M0049528
18	40	48-8M0049353	48-8M0049354
17.75	40	48- <b>8</b> M0049375	48-8M0049376
17.5	40	48-8M0049397	48-8M0049398
17.25	40	48-8M0049419	48-8M0049420
17	40	48-8M0049441	48-8M0049442
16.75	40	48-8M0049463	48-8M0049464
16.5	40	48-8M0049485	48-8M0049486
16.25	40	48-8M0049507	48-8M0049508
16	40	48-8M0049529	48-8M0049530

# CNC Cleaver, Heat Treated SS 5 Blade, 18 Degree Rake - 1350 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	34	48-8M0106505	48-8M0106504
16.5	37	48-8M0093361	48-8M0093360
17	38	48- <b>8M</b> 0059069	48-8M0059068
16.5	38	48-8M0109051	48-8M0109052
17.5	39	48- <b>8M</b> 0101559	48- <b>8M0101560</b>
17	39	48-8M0102349	48-8M0102348
16.75	39	48- <b>8M</b> 0107949	48-8M0107948
17	40	48- <b>8M0059071</b>	48- <b>8</b> M0059070
17	41	48- <b>8M0029395</b>	48-8M0029396
16.50	42	48- <b>8M</b> 0104717	48-8M0104716

### CNC Cleaver, Heat Treated SS 5 Blade, 18 Degree Rake - 1200 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	30	48-8M0013507	48-8M0013508
17.75	30	48-8M0013537	48-8M0013538
17.5	30	48- <b>8M</b> 0013567	48-8M0013568
17.25	30	48-8M0013597	48-8M0013598
17	30	48-8M0013627	48-8M0013628
16.75	30	48-8M0013657	48-8M0013658
16.5	30	48-8M0013687	48-8M0013688
16.25	30	48-8M0013717	48-8M0013718
16	30	48-8M0013747	48-8M0013748
15.75	30	48- <b>8M</b> 0013777	48-8M0013778
15.5	30	48-8M0013807	48-8M0013808
15.25	30	48-8M0013837	48-8M0013838
15	30	48-8M0013867	48-8M0013868
18	31	48-8M0013509	48-8M0013510
17.75	31	48- <b>8M</b> 0013539	48-8M0013540
17.5	31	48-8M0013569	48-8M0013570
17.25	31	48-8M0013599	48-8M0013600
17	31	48-8M0013629	48-8M0013630
16.75	31	48-8M0013659	48-8M0013660
16.5	31	48-8M0013689	48-8M0013690
16.25	31	48-8M0013719	48-8M0013720
16	31	48-8M0013749	48-8M0013750
15.75	31	48-8M0013779	48-8M0013780
15.5	31	48-8M0013809	48-8M0013810
15.25	31	48-8M0013839	48-8M0013840
15	31	48-8M0013869	48-8M0013870
18	32	48-8M0013511	48-8M0013512
17.75	32	48-8M0013541	48-8M0013542
17.5	32	48-8M0013571	48-8M0013572
17.25	32	48-8M0013601	48-8M0013602
17	32	48-8M0013631	48-8M0013632
16.75	32	48-8M0013661	48-8M0013662
16.5	32	48-8M0013691	48-8M0013692
	32	48-8M0013721	48-8M0013722
16	32	48-8M0013751	48-8M0013752
15.75	32	48-8M0013781	48-8M0013782
15.5	32	48-8M0013811	48-8M0013812
15.25	32	48-8M0013841	48-8M0013842
15	32	48-8M0013871	48-8M0013872
18	33	48-8M0013513	48-8M0013514
17.75	33	48-8M0013543	48-8M0013544
17.5	33	48-8M0013573	48-8M0013574
17.25	33	48- <b>8M</b> 0013603	48-8M0013604
17	33	48-8M0013633	48-8M0013634
16.75	33	48- <b>8M</b> 0013663	48-8M0013664
16.5	33	48-8M0013693	48-8M0013694
16.25	33	48-8M0013723	48-8M0013724
16	33	48-8M0013753	48-8M0013754
15.75	33	48-8M0013783	48-8M0013784

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.5	33	48-8M0013813	48-8M0013814
15.25	33	48-8M0013843	48-8M0013844
15	33	48-8M0013873	48-8M0013874
18	34	48-8M0013515	48-8M0013516
17.75	34	48-8M0013545	48-8M0013546
17.5	34	48-8M0013575	48-8M0013576
17.25	34	48-8M0013605	48-8M0013606
17	34	48-8M0013635	48-8M0013636
16.75	34	48-8M0013665	48-8M0013666
16.5	34	48-8M0013695	48-8M0013696
16.25	34	48-8M0013725	48-8M0013726
16	34	48-8M0013755	48-8M0013756
15.75	34	48-8M0013785	48-8M0013786
15.5	34	48-8M0013815	48-8M0013816
15.25	34	48-8M0013845	48-8M0013846
15	34	48-8M0013875	48-8M0013876
18	35	48-8M0013517	48-8M0013518
17.75	35	48-8M0013547	48-8M0013548
17.5	35	48-8M0013577	48-8M0013578
17.25	35	48-8M0013607	48-8M0013608
17	35	48-8M0013637	48-8M0013638
16.75	35	48-8M0013667	48-8M0013668
16.5	35	48-8M0013697	48-8M0013698
16.25	35	48-8M0013727	48-8M0013728
16	35	48-8M0013757	48-8M0013758
15.75	35	48-8M0013787	48-8M0013788
15.5	35	48-8M0013817	48-8M0013818
15.25	35	48-8M0013847	48-8M0013848
15	35	48-8M0013877	48-8M0013878
18	36	48-8M0013519	48-8M0013520
17.75	36	48-8M0013549	48-8M0013550
17.5	36	48-8M0013579	48-8M0013580
17.25	36	48-8M0013609	48-8M0013610
17	36	48-8M0013639	48-8M0013640
16.75	36	48-8M0013669	48-8M0013670
16.5	36	48-8M0013699	48-8M0013700
16.25	36	48-8M0013729	48-8M0013730
16	36	48-8M0013759	48-8M0013760
15.75	36	48-8M0013789	48-8M0013790
15.5	36	48-8M0013819	48-8M0013820
15.25	36	48-8M0013849	48-8M0013850
15	36	48-8M0013879	48-8M0013880
18	37	48-8M0013521	48-8M0013522
17.75	37	48-8M0013551	48-8M0013552
17.5	37	48-8M0013581	48-8M0013582
17.25	37	48-8M0013611	48-8M0013612
17.23	37	48-8M0013641	48-8M0013642
16.75	37	48-8M0013671	48-8M0013672
16.5	37	48-8M0013701	48-8M0013702
16.25	37	48-8M0013731	48-8M0013732
16	37	48-8M0013761	48-8M0013762
15.75	37	48-8M0013791	48-8M0013792
15.5	37	48-8M0013821	48-8M0013822
15.25	37	48-8M0013851	48-8M0013852
		01110010001	OINIOO 1000L

B: ( // L )	D' 1	1115 / 6	DUD ( C
Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15	37	48-8M0013881	48-8M0013882
18	38	48-8M0013523	48-8M0013524
17.75	38	48-8M0013553	48-8M0013554
17.5	38	48-8M0013583	48-8M0013584
17.25	38	48-8M0013613	48-8M0013614
17	38	48-8M0013643	48-8M0013644
16.75	38	48-8M0013673	48-8M0013674
16.5	38	48-8M0013703	48-8M0013704
16.25	38	48-8M0013733	48-8M0013734
16	38	48-8M0013763	48-8M0013764
15.75	38	48-8M0013793	48-8M0013794
15.5	38	48-8M0013823	48-8M0013824
15.25	38	48-8M0013853	48-8M0013854
15	38	48-8M0013883	48-8M0013884
18	39	48-8M0013525	48-8M0013526
17.75	39	48-8M0013555	48- <b>8M0013556</b>
17.5	39	48-8M0013585	48-8M0013586
17.25	39	48-8M0013615	48-8M0013616
17	39	48-8M0013645	48-8M0013646
16.75	39	48-8M0013675	48-8M0013676
16.5	39	48-8M0013705	48-8M0013706
16.25	39	48-8M0013735	48-8M0013736
16	39	48-8M0013765	48-8M0013766
15.75	39	48-8M0013795	48-8M0013796
15.5	39	48-8M0013825	48-8M0013826
15.25	39	48-8M0013855	48-8M0013856
15	39	48-8M0013885	48-8M0013886
18	40	48-8M0013527	48-8M0013528
17.75	40	48-8M0013557	48-8M0013558
17.5	40	48-8M0013587	48-8M0013588
17.25	40	48-8M0013617	48-8M0013618
17	40	48-8M0013647	48-8M0013648
16.75	40	48-8M0013677	48-8M0013678
16.5	40	48-8M0013707	48-8M0013708
16.25	40	48-8M0013737	48-8M0013738
16	40	48-8M0013767	48-8M0013768
15.75	40	48-8M0013797	48-8M0013798
15.5	40	48-8M0013827	48-8M0013828
15.25	40	48-8M0013857	48- <b>8M0013858</b>
15	40	48-8M0013887	48-8M0013888

# CNC Cleaver, Heat Treated SS 5 Blade, 18 Degree Rake - 1100 HP

IIIA, IV, V, VI, VII SSM, NXT1, M8 26 Spline hub with 1.75/1.88 in.(44.5/47.7mm) O.D. propeller shaft and 6 in. (152mm) hub length

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.5	38	48-8M0099431	48-8M0099430
16.5	39	48-8M0112359	48-8M0112360
17	40	48-8M0085857	48-8M0085858
16.75	40	48-8M0108441	48-8M0108442
16.5	40	48-8M0092609	48-8M0092608
17	42	48-8M0083389	48-8M0083390

#### CNC Cleaver, Heat Treated 5 Blade, 18 Degree Rake - 900 HP

IIIA, IV, V, VI, VII SSM, NXT1

26 Spline hub with 1.75/1.88 in.(44.5/47.7mm) O.D. propeller shaft and 6 in. (152mm) hub length

Dismiter (Inches)   Dismiter   Lift Rightion   All Robation   Al	(.e_m, need temper			
17.75 30 48.8M0014707 48.8M0014708 17.5 30 48.8M0014737 48.8M0014738 17.25 30 48.8M0014767 48.8M0014768 17 30 48.8M0014767 48.8M0014768 17 30 48.8M0014767 48.8M0014798 16.75 30 48.8M0014827 48.8M0014828 16.5 30 48.8M0014857 48.8M0014828 16.5 30 48.8M0014857 48.8M0014828 16.5 30 48.8M0014857 48.8M0014828 16.5 30 48.8M0014857 48.8M0014918 15.75 30 48.8M0014917 48.8M0014918 15.75 30 48.8M0014917 48.8M0014948 15.5 30 48.8M0014917 48.8M0014948 15.5 30 48.8M0014977 48.8M0014978 15.5 30 48.8M001597 48.8M0015008 15 30 48.8M001597 48.8M0015008 15 30 48.8M0015007 48.8M0015008 15 30 48.8M0014679 48.8M0015008 16.5 31 48.8M0014679 48.8M001601609 48.8M00160160 48.8M001601 48.8M0016010 48.8M00	Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17.5 30 48 BM0014737 48 BM0014738 17.25 30 48 BM0014767 48 BM0014768 17 30 48 BM0014797 48 BM0014788 16.75 30 48 BM0014827 48 BM0014828 16.5 30 48 BM0014917 48 BM0014918 15.75 30 48 BM0014917 48 BM0014918 15.75 30 48 BM0014977 48 BM0014948 15.5 30 48 BM0014977 48 BM0014978 15.55 30 48 BM0015007 48 BM0015008 15 30 48 BM0015007 48 BM0015008 16 31 48 BM0014709 48 BM0015038 18 31 48 BM0014709 48 BM001470 17.5 31 48 BM001479 48 BM001470 17.5 31 48 BM001479 48 BM001470 17.5 31 48 BM001479 48 BM001470 16.75 31 48 BM0014799 48 BM0014800 16.5 31 48 BM001489 48 BM0014800 16.5 31 48 BM0014899 48 BM0014800 16.5 31 48 BM0014899 48 BM0014800 16.5 31 48 BM0014899 48 BM0014800 16.5 31 48 BM0014919 48 BM0014800 16.5 31 48 BM0014919 48 BM0014900 15.75 31 48 BM0014919 48 BM0014900 15.75 31 48 BM0014899 48 BM0014800 16.5 31 48 BM0014899 48 BM0014800 16.5 31 48 BM0014899 48 BM0014800 16.5 31 48 BM0014919 48 BM0014900 15.75 31 48 BM0014919 48 BM0014900 15.75 31 48 BM0014991 48 BM0014900 15.75 31 48 BM0014991 48 BM0014900 15.75 31 48 BM0014991 48 BM0014900 16.5 31 48 BM0014991 48 BM0014950 16.5 32 48 BM0014991 48 BM0014950 16.5 32 48 BM0014911 48 BM0014920 15.75 32 48 BM0014911 48 BM0014920 15.75 32 48 BM0014911 48 BM0014920 16.75 32 48 BM0014911 48 BM0014920 16.5 33 48 BM0014931 48 BM0014920 16.5 33 48 BM0014931 48 BM0014924 17.75 33 48 BM0014931 48 BM0014924 18			48-8M0014677	48-8M0014678
17.25 30 48.8M0014767 48.8M0014768 16.75 30 48.8M0014827 48.8M0014798 16.75 30 48.8M0014827 48.8M0014828 16.5 30 48.8M0014857 48.8M0014828 16.5 30 48.8M0014857 48.8M0014888 16.25 30 48.8M0014917 48.8M0014918 15.75 30 48.8M0014917 48.8M0014918 15.55 30 48.8M0014917 48.8M0014918 15.55 30 48.8M0014977 48.8M0014978 15.25 30 48.8M0015007 48.8M0015008 15 30 48.8M0015007 48.8M0015008 15 30 48.8M0015007 48.8M0015008 16 31 48.8M0014679 48.8M0014680 17.75 31 48.8M0014799 48.8M0014710 17.55 31 48.8M0014799 48.8M0014710 17.55 31 48.8M0014799 48.8M0014700 16.75 31 48.8M0014799 48.8M0014800 16.5 31 48.8M0014829 48.8M0014800 16.5 31 48.8M0014829 48.8M0014800 16.5 31 48.8M0014899 48.8M0014900 16.75 31 48.8M0014899 48.8M0014900 16.5 31 48.8M0014919 48.8M0014900 16.5 31 48.8M0014919 48.8M0014900 16.5 31 48.8M0014919 48.8M0014900 16.5 31 48.8M0014919 48.8M0014920 16.75 32 48.8M001491 48.8M0014920 16.75 32 48.8M001491 48.8M0014920 16.75 32 48.8M001491 48.8M0014922 16.75 33 48.8M001491 48.8M0014922 16.75 32 48.8M001491 48.8M0014922 16.75 32 48.8M001491 48.8M0014922 16.75 32 48.8M001491 48.8M0014922 16.75 33 48.8M001491 48.8M0014922 16.75 33 48.8M001491 48.8M0014922 16.75 33 48.8M001493 48.8M001493 48.8M0014934 4		30	48-8M0014707	48-8M0014708
17 30 48 BM0014797 48 BM0014798 16.75 30 48 BM0014827 48 BM0014828 16.5 30 48 BM0014857 48 BM0014858 16.25 30 48 BM0014887 48 BM0014858 16 30 48 BM0014917 48 BM0014918 15.75 30 48 BM0014917 48 BM0014918 15.55 30 48 BM0014977 48 BM0014918 15.55 30 48 BM0014977 48 BM0014978 15.25 30 48 BM0015007 48 BM0015008 15 30 48 BM0015007 48 BM0015038 18 31 48 BM0014799 48 BM0014680 17.75 31 48 BM0014799 48 BM0014710 17.5 31 48 BM0014799 48 BM0014710 17.5 31 48 BM0014799 48 BM0014740 17.5 31 48 BM0014799 48 BM0014700 16.75 31 48 BM0014799 48 BM0014800 16.75 31 48 BM001489 48 BM0014800 16.5 31 48 BM0014899 48 BM0014800 16.5 31 48 BM0014899 48 BM0014800 16.5 31 48 BM0014899 48 BM0014800 16.5 31 48 BM0014919 48 BM0014890 16 31 48 BM0014919 48 BM0014900 15.75 31 48 BM001499 48 BM0014900 15.75 31 48 BM0014919 48 BM0014800 16 31 48 BM0014919 48 BM0014920 15.75 32 48 BM0014919 48 BM0014920 15.75 32 48 BM001491 48 BM0014920 15.75 32 48 BM001491 48 BM0014920 15.75 32 48 BM001491 48 BM0014912 17.5 32 48 BM001491 48 BM0014912 18 33 48 BM001491 48 BM0014912 17.5 32 48 BM001491 48 BM0014912 18 33 48 BM001491 48 BM0014912 18 34 BM001491 48 BM0014912 18 34 BM001491 48 BM0014912 18 35 48 BM001491 48 BM0014912 18 36 48 BM001491 48 BM0014912 18 38 48 BM001491 48 BM0014912 18 38 48 BM001491 48 BM0014912 18 38 48	17.5	30	48-8M0014737	48-8M0014738
16.75 30 48 8M0014827 48 8M0014828 16.5 30 48 8M0014857 48 8M0014858 16.25 30 48 8M0014867 48 8M0014868 16 30 48 8M0014917 48 8M0014918 15.75 30 48 8M0014947 48 8M0014918 15.5 30 48 8M0014947 48 8M0014978 15.25 30 48 8M0015007 48 8M0014978 15.25 30 48 8M0015007 48 8M0015008 17.75 31 48 8M0014079 48 8M0015038 18 31 48 8M001479 48 8M0014060 17.75 31 48 8M001479 48 8M0014710 17.5 31 48 8M001479 48 8M0014710 17.5 31 48 8M001479 48 8M001470 17.25 31 48 8M001479 48 8M001470 16.75 31 48 8M001479 48 8M001470 16.75 31 48 8M001479 48 8M0014800 16.5 31 48 8M001489 48 8M001480 16.5 31 48 8M001489 48 8M001480 16.5 31 48 8M001489 48 8M001480 15.75 31 48 8M001489 48 8M001480 15.75 31 48 8M001489 48 8M001480 16.5 31 48 8M001481 48 8M001491 48 8M0014920 15.75 31 48 8M001491 48 8M0014920 16.5 32 48 8M001491 48 8M0014920 16.75 32 48 8M001491 48 8M0014920 16.5 32 48 8M001491 48 8M001492 17.75 32 48 8M001491 48 8M001492 18.5 32 48 8M001491 48 8M0	17.25	30	48-8M0014767	48-8M0014768
16.5 30 48 BM0014857 48 BM0014858 16.25 30 48 BM0014887 48 BM0014888 16 30 48 BM0014917 48 BM0014918 15.75 30 48 BM0014947 48 BM0014948 15.5 30 48 BM0015007 48 BM0015008 15 30 48 BM0015007 48 BM0015008 16 30 48 BM0015007 48 BM0015038 18 31 48 BM001479 48 BM0015038 18 31 48 BM001479 48 BM0014710 17.5 31 48 BM001479 48 BM0014740 17.5 31 48 BM001479 48 BM0014740 17.5 31 48 BM001479 48 BM001470 17 31 48 BM001479 48 BM001470 16.75 31 48 BM001489 48 BM0014800 16.5 31 48 BM001489 48 BM0014800 16.5 31 48 BM001489 48 BM0014800 16.5 31 48 BM001489 48 BM001489 16 31 48 BM0014919 48 BM001489 15.75 31 48 BM0014919 48 BM001490 15.75 31 48 BM001491 48 BM001490 15.75 31 48 BM001491 48 BM001490 15.75 31 48 BM001491 48 BM0014920 15.75 31 48 BM001491 48 BM0014920 15.75 31 48 BM001491 48 BM0014950 16 31 48 BM001491 48 BM0014920 15.75 31 48 BM001491 48 BM0014950 16 31 48 BM001491 48 BM0014950 16 31 48 BM001491 48 BM0014950 15.5 31 48 BM001491 48 BM0014950 16 31 48 BM001491 48 BM0014980 16 32 48 BM001491 48 BM0014980 16 34 BM001491 48 BM001492 15.5 32 48 BM001491 48 BM001492 16.75 32 48 BM001491 48 BM001492 16.75 32 48 BM001491 48 BM001492 16.75 32 48 BM0014801 48 BM0014802 16.5 33 48 BM0014801 48 BM0014802 16.5 33 48 BM0014801 48 BM0014804 16.5 33 48 BM0014803 48 BM0014804 16.5 33 48 B	17	30	48-8M0014797	48-8M0014798
16.25         30         48.8M0014887         48.8M0014917         48.8M0014918           16         30         48.8M0014917         48.8M0014918         15.75         30         48.8M0014947         48.8M0014948           15.5         30         48.8M0014977         48.8M0014978         15.25         30         48.8M0015007         48.8M0015008         15         30         48.8M0015007         48.8M0015038         18         31         48.8M0014799         48.8M0014680         17.75         31         48.8M0014799         48.8M0014710         17.75         31         48.8M0014799         48.8M0014770         17.25         31         48.8M0014799         48.8M0014770         17.75         31         48.8M0014799         48.8M0014800         16.75         31         48.8M0014799         48.8M0014800         16.75         31         48.8M0014829         48.8M0014800         16.5         31         48.8M0014859         48.8M0014800         16.5         31         48.8M0014859         48.8M0014890         16.5         31         48.8M0014869         48.8M0014890         16.5         31         48.8M001499         48.8M0014990         48.8M0014990         16.75         31         48.8M0014990         48.8M0014990         48.8M0014990         48.8M0014990         48.8M0014990	16.75	30	48-8M0014827	48-8M0014828
16         30         48-8M0014917         48-8M0014918           15.75         30         48-8M0014947         48-8M0014948           15.5         30         48-8M0014977         48-8M0014978           15.25         30         48-8M0015007         48-8M0015008           15         30         48-8M0015037         48-8M0015038           18         31         48-8M0014799         48-8M0014710           17.75         31         48-8M0014739         48-8M0014710           17.25         31         48-8M0014799         48-8M0014740           17.25         31         48-8M0014799         48-8M0014770           17         31         48-8M0014799         48-8M0014800           16.75         31         48-8M0014829         48-8M0014800           16.5         31         48-8M0014829         48-8M0014800           16.5         31         48-8M0014889         48-8M0014890           16.25         31         48-8M0014919         48-8M0014990           15.75         31         48-8M0014979         48-8M0014990           15.25         31         48-8M0014979         48-8M0014990           15.25         31         48-8M0014979         48-8M0014990<	16.5	30	48-8M0014857	48-8M0014858
15.75 30 48.8M0014947 48.8M0014948 15.5 30 48.8M0014977 48.8M0014978 15.25 30 48.8M0015007 48.8M0015008 15 30 48.8M0015037 48.8M0015008 16 31 48.8M0014679 48.8M0015038 18 31 48.8M0014679 48.8M0014680 17.75 31 48.8M0014709 48.8M0014710 17.5 31 48.8M0014799 48.8M0014710 17.25 31 48.8M0014799 48.8M0014770 17 31 48.8M0014799 48.8M0014770 17 31 48.8M001499 48.8M0014800 16.75 31 48.8M0014829 48.8M0014800 16.55 31 48.8M0014829 48.8M0014830 16 31 48.8M0014859 48.8M0014890 16 31 48.8M0014919 48.8M0014990 15.75 31 48.8M0014919 48.8M0014990 15.75 31 48.8M0014919 48.8M0014990 15.55 31 48.8M001499 48.8M0014990 15.55 31 48.8M001499 48.8M0014900 15.55 31 48.8M0014979 48.8M001490 15.75 31 48.8M0014979 48.8M0014900 15.75 32 48.8M001401401 48.8M0014010 16 31 48.8M0014919 48.8M0014910 16 31 48.8M0014979 48.8M0014910 16 31 48.8M0014919 48.8M0014920 17.75 32 48.8M001401 48.8M0014010 18 32 48.8M001401 48.8M0014012 18 32 48.8M0014711 48.8M0014712 17.25 32 48.8M0014711 48.8M0014712 17.25 32 48.8M0014711 48.8M0014772 17 32 48.8M0014711 48.8M0014772 17 32 48.8M001491 48.8M0014920 16.75 32 48.8M001491 48.8M0014920 16.75 32 48.8M001491 48.8M0014922 16.55 32 48.8M001491 48.8M0014922 16.75 32 48.8M0014891 48.8M0014922 16.55 32 48.8M0014891 48.8M0014922 16.55 32 48.8M0014891 48.8M0014922 16.55 32 48.8M0014891 48.8M0014922 17.75 33 48.8M0014891 48.8M0014992 18 33 48.8M0014893 48.8M0014894 18.55 33 48.8M0014893 48.8	16.25	30	48-8M0014887	48-8M0014888
15.5 30 48.8M0014977 48.8M0014978 15.25 30 48.8M0015007 48.8M0015008 15 30 48.8M0015037 48.8M0015038 18 31 48.8M0014679 48.8M0014680 17.75 31 48.8M0014709 48.8M0014710 17.5 31 48.8M0014739 48.8M0014770 17 31 48.8M0014769 48.8M0014770 17 31 48.8M0014769 48.8M0014770 16.75 31 48.8M0014799 48.8M0014800 16.75 31 48.8M0014829 48.8M0014800 16.25 31 48.8M0014829 48.8M0014800 16.25 31 48.8M0014889 48.8M0014890 16 31 48.8M0014919 48.8M0014990 15.75 31 48.8M0014919 48.8M0014990 15.75 31 48.8M0014919 48.8M0014990 15.55 31 48.8M0014919 48.8M0014900 15.55 31 48.8M0014919 48.8M0014900 15.55 31 48.8M0014979 48.8M0014900 15.25 31 48.8M0014979 48.8M0014900 16.31 48.8M0014979 48.8M0014900 16.32 48.8M0014971 48.8M0014900 16.33 48.8M0014801 48.8M0014802 16.5 32 48.8M0014711 48.8M0014712 17.5 32 48.8M0014711 48.8M0014712 17.5 32 48.8M0014711 48.8M0014712 17.5 32 48.8M0014831 48.8M0014802 16.5 32 48.8M0014831 48.8M0014802 16.5 32 48.8M0014801 48.8M0014902 16.75 32 48.8M0014801 48.8M0014802 16.5 33 48.8M0014801 48.8M0014802 16.5 33 48.8M0014803 48.8M0014804 17.75 33 48.8M0014803 48.8M0014804 18.5 33 48.8M0014803 48.8M0014804 18.5 34 48.8M0014803 48.8M0014804 18.5 34 48.8M0014803 48.8M0014804 18.5 34 48.8M0014803 48.8M0014804 18.5 34 48.8M0014803 48.8M0014804 18.5	16	30	48-8M0014917	48-8M0014918
15.25 30 48-8M0015007 48-8M0015008 15 30 48-8M0015037 48-8M0015038 18 31 48-8M0014679 48-8M0014680 17.75 31 48-8M0014709 48-8M0014710 17.5 31 48-8M0014739 48-8M0014740 17.25 31 48-8M0014769 48-8M0014740 17.25 31 48-8M0014769 48-8M001470 17 31 48-8M0014829 48-8M0014800 16.75 31 48-8M0014829 48-8M0014830 16.5 31 48-8M0014859 48-8M0014860 16.25 31 48-8M0014889 48-8M0014890 16 31 48-8M0014919 48-8M0014950 15.75 31 48-8M0014919 48-8M0014950 15.25 31 48-8M001499 48-8M0014950 15.25 31 48-8M001499 48-8M0014950 15.25 31 48-8M0015009 48-8M0014960 15.25 31 48-8M0015009 48-8M0015010 15 31 48-8M0015039 48-8M0015010 16 31 48-8M0014681 48-8M0014682 17.75 32 48-8M0014681 48-8M0014712 17.5 32 48-8M0014711 48-8M0014712 17.5 32 48-8M0014711 48-8M0014712 17.5 32 48-8M001481 48-8M0014772 17 32 48-8M001481 48-8M001482 16.5 32 48-8M0014831 48-8M001482 16.5 33 48-8M0014831 48-8M0014832 16.5 33 48-8M0014831 48-8M0014834 16.5 33 48-8M0014833 48-8M0014844 17.75 33 48-8M0014833 48-8M0014844 17.75 33 48-8M0014833 48-8M0014844 16.5 33 48-8M0014833 48-8M0014844	15.75	30	48-8M0014947	48-8M0014948
15         30         48-8M0015037         48-8M0015038           18         31         48-8M0014679         48-8M0014680           17.75         31         48-8M0014709         48-8M0014710           17.5         31         48-8M0014739         48-8M0014740           17.25         31         48-8M0014769         48-8M0014800           16.75         31         48-8M0014829         48-8M0014830           16.5         31         48-8M0014859         48-8M0014860           16.5         31         48-8M0014889         48-8M0014890           16         31         48-8M0014919         48-8M0014990           15.75         31         48-8M0014919         48-8M0014990           15.5         31         48-8M0014999         48-8M0015010           18         32         48-8M0014861         48-8M0014661           17.75         32         48-8M0014711         48-8M0014712	15.5	30	48- <b>8M0014977</b>	48-8M0014978
18         31         48-8M0014679         48-8M0014680           17.75         31         48-8M0014709         48-8M0014710           17.5         31         48-8M0014769         48-8M0014740           17.25         31         48-8M0014769         48-8M0014770           17         31         48-8M0014829         48-8M0014800           16.75         31         48-8M0014859         48-8M0014860           16.5         31         48-8M0014889         48-8M0014890           16         31         48-8M0014919         48-8M0014990           16         31         48-8M0014949         48-8M0014950           15.75         31         48-8M0014979         48-8M0014980           15.5         31         48-8M0015009         48-8M0015010           15         31         48-8M0015009         48-8M0015040           18         32         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014711         48-8M0014772 <td>15.25</td> <td>30</td> <td>48-8M0015007</td> <td>48-8M0015008</td>	15.25	30	48-8M0015007	48-8M0015008
17.75         31         48-8M0014709         48-8M0014710           17.5         31         48-8M0014739         48-8M0014740           17.25         31         48-8M0014769         48-8M0014770           17         31         48-8M0014829         48-8M0014800           16.75         31         48-8M0014859         48-8M0014860           16.5         31         48-8M0014889         48-8M0014890           16         31         48-8M0014919         48-8M0014990           16         31         48-8M0014949         48-8M0014950           15.75         31         48-8M0014979         48-8M0014980           15.5         31         48-8M0015009         48-8M0014980           15.5         31         48-8M0015009         48-8M0015010           15         31         48-8M0015009         48-8M0015040           18         32         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014682           17.75         32         48-8M0014711         48-8M0014772           17         32         48-8M0014801         48-8M0014802     <	15	30	48-8M0015037	48-8M0015038
17.5         31         48-8M0014739         48-8M0014740           17.25         31         48-8M0014769         48-8M001470           17         31         48-8M0014829         48-8M0014800           16.75         31         48-8M0014829         48-8M0014830           16.5         31         48-8M0014859         48-8M0014860           16.25         31         48-8M0014899         48-8M0014890           16         31         48-8M0014919         48-8M0014920           15.75         31         48-8M0014919         48-8M0014920           15.75         31         48-8M0014979         48-8M0014950           15.5         31         48-8M0014979         48-8M0014980           15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015009         48-8M0015010           18         32         48-8M0014971         48-8M001401           18         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014711         48-8M0014712           17.25         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014801         48-8M0014802	18	31	48-8M0014679	48-8M0014680
17.25         31         48-8M0014769         48-8M0014770           17         31         48-8M0014799         48-8M0014800           16.75         31         48-8M0014829         48-8M0014830           16.5         31         48-8M0014859         48-8M0014860           16.25         31         48-8M0014899         48-8M0014890           16         31         48-8M0014919         48-8M0014920           15.75         31         48-8M0014949         48-8M0014950           15.5         31         48-8M0014979         48-8M0014950           15.5         31         48-8M0015009         48-8M0014980           15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015039         48-8M0015010           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014711         48-8M001472           17         32         48-8M0014801         48-8M001472           17         32         48-8M0014801         48-8M0014802           16.5         32         48-8M0014801         48-8M0014802     <	17.75	31	48-8M0014709	48-8M0014710
17         31         48-8M0014799         48-8M0014800           16.75         31         48-8M0014829         48-8M0014830           16.5         31         48-8M0014859         48-8M0014860           16.25         31         48-8M0014899         48-8M0014890           16         31         48-8M0014919         48-8M0014920           15.75         31         48-8M0014949         48-8M0014950           15.5         31         48-8M0014979         48-8M0014980           15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014711         48-8M001472           17         32         48-8M0014771         48-8M001472           17         32         48-8M0014801         48-8M0014802           16.5         32         48-8M0014801         48-8M001482           16.5         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922	17.5	31	48-8M0014739	48-8M0014740
16.75         31         48-8M0014829         48-8M0014830           16.5         31         48-8M0014859         48-8M0014860           16.25         31         48-8M001489         48-8M0014890           16         31         48-8M0014919         48-8M0014920           15.75         31         48-8M0014949         48-8M0014950           15.5         31         48-8M0014979         48-8M0014980           15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014681         48-8M0014712           17.5         32         48-8M0014711         48-8M001472           17.25         32         48-8M0014801         48-8M001472           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014802           16.5         32         48-8M0014831         48-8M0014802           16.5         32         48-8M0014891         48-8M0014982           16         32         48-8M0014891         48-8M0014982	17.25	31	48-8M0014769	48-8M0014770
16.5         31         48-8M0014859         48-8M0014890           16.25         31         48-8M0014889         48-8M0014990           16         31         48-8M0014919         48-8M0014920           15.75         31         48-8M0014949         48-8M0014950           15.5         31         48-8M0014979         48-8M0014980           15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014711         48-8M001472           17         32         48-8M0014801         48-8M001472           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014801         48-8M0014802           16.5         32         48-8M0014861         48-8M0014862           16.25         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.5         32         48-8M0014921         48-8M0014922     <	17	31	48-8M0014799	48- <b>8M0014800</b>
16.25         31         48-8M0014889         48-8M0014890           16         31         48-8M0014919         48-8M0014920           15.75         31         48-8M0014949         48-8M0014950           15.5         31         48-8M0014979         48-8M0014980           15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015039         48-8M001602           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014711         48-8M0014712           17.25         32         48-8M0014771         48-8M0014772           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014802           16.5         32         48-8M0014861         48-8M0014862           16.25         32         48-8M0014891         48-8M0014922           15.75         32         48-8M0014991         48-8M0014922           15.5         32         48-8M0014991         48-8M0014982           15.5         32         48-8M0014991         48-8M0014982 <td>16.75</td> <td>31</td> <td>48-8M0014829</td> <td>48-8M0014830</td>	16.75	31	48-8M0014829	48-8M0014830
16         31         48-8M0014919         48-8M0014920           15.75         31         48-8M0014949         48-8M0014950           15.5         31         48-8M0014979         48-8M0014980           15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014711         48-8M001472           17         32         48-8M0014771         48-8M001472           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014801         48-8M0014802           16.5         32         48-8M0014861         48-8M0014802           16.5         32         48-8M0014861         48-8M0014802           16         32         48-8M0014891         48-8M0014802           16         32         48-8M0014891         48-8M0014802           15.75         32         48-8M0014921         48-8M0014922           15.5         32         48-8M0014803         48-8M0014922 <td>16.5</td> <td>31</td> <td>48-8M0014859</td> <td>48-8M0014860</td>	16.5	31	48-8M0014859	48-8M0014860
15.75         31         48-8M0014949         48-8M0014950           15.5         31         48-8M0014979         48-8M0014980           15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014711         48-8M001472           17.25         32         48-8M0014801         48-8M001472           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M001482           16.5         32         48-8M0014861         48-8M001482           16         32         48-8M0014921         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.5         32         48-8M0014921         48-8M0014922           15.5         32         48-8M0014921         48-8M0014922           15.5         32         48-8M0014883         48-8M0014922 </td <td>16.25</td> <td>31</td> <td>48-8M0014889</td> <td>48-8M0014890</td>	16.25	31	48-8M0014889	48-8M0014890
15.5         31         48-8M0014979         48-8M0014980           15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M001471         48-8M001472           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M0014832           16.5         32         48-8M0014861         48-8M0014862           16.25         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.75         32         48-8M0014921         48-8M0014922           15.5         32         48-8M0014921         48-8M0014922           15.5         32         48-8M0014921         48-8M0014922           15.5         32         48-8M0014921         48-8M0014922           15.5         32         48-8M0014921         48-8M0014922	16	31	48-8M0014919	48-8M0014920
15.25         31         48-8M0015009         48-8M0015010           15         31         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014741         48-8M0014742           17.25         32         48-8M0014771         48-8M0014802           16.75         32         48-8M0014801         48-8M0014802           16.5         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M0014862           16         32         48-8M0014991         48-8M0014982           16         32         48-8M0014991         48-8M0014922           15.75         32         48-8M0014991         48-8M0014952           15.5         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0015012           15         32         48-8M0014931         48-8M0015012           15         32         48-8M0014833         48-8M0014684	15.75	31	48-8M0014949	48-8M0014950
15         31         48-8M0015039         48-8M0015040           18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014741         48-8M0014742           17.25         32         48-8M0014771         48-8M0014772           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M0014862           16.25         32         48-8M0014991         48-8M0014892           16         32         48-8M0014991         48-8M0014992           15.75         32         48-8M0014991         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.5         32         48-8M0014981         48-8M0014982           15.5         32         48-8M0014981         48-8M0014982           15.5         32         48-8M0014981         48-8M0015012           15         32         48-8M0015011         48-8M0015042           18         33         48-8M0014833         48-8M0014684	15.5	31	48-8M0014979	48-8M0014980
18         32         48-8M0014681         48-8M0014682           17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014741         48-8M0014742           17.25         32         48-8M0014771         48-8M0014772           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M0014862           16.25         32         48-8M0014991         48-8M0014892           16         32         48-8M0014991         48-8M0014922           15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0014981         48-8M0014982           15         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014714           17.5         33         48-8M0014773         48-8M0014774	15.25	31	48-8M0015009	48- <b>8M0015010</b>
17.75         32         48-8M0014711         48-8M0014712           17.5         32         48-8M0014741         48-8M0014742           17.25         32         48-8M0014771         48-8M0014772           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M0014862           16.5         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.5         32         48-8M0014981         48-8M0014982           15.5         32         48-8M0014981         48-8M0014982           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014833         48-8M0014644           17.75         33         48-8M001473         48-8M001473	15	31	48-8M0015039	48-8M0015040
17.5         32         48-8M0014741         48-8M0014772           17.25         32         48-8M0014771         48-8M0014772           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M0014862           16.5         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014744           17.5         33         48-8M0014773         48-8M0014774           17         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014803         48-8M0014804	18	32	48-8M0014681	48-8M0014682
17.25         32         48-8M0014771         48-8M0014772           17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M0014862           16.5         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014744           17.5         33         48-8M0014773         48-8M0014744           17.25         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014803         48-8M0014804           16.5         33         48-8M0014803         48-8M0014804           16.5         33         48-8M0014893         48-8M0014804 <td>17.75</td> <td>32</td> <td>48-8M0014711</td> <td>48-8M0014712</td>	17.75	32	48-8M0014711	48-8M0014712
17         32         48-8M0014801         48-8M0014802           16.75         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M0014862           16.25         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014714           17.5         33         48-8M0014773         48-8M0014744           17.25         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014803         48-8M0014804           16.5         33         48-8M0014803         48-8M0014804           16.5         33         48-8M0014803         48-8M0014804           16         33         48-8M0014893         48-8M0014894	17.5	32	48-8M0014741	48-8M0014742
16.75         32         48-8M0014831         48-8M0014832           16.5         32         48-8M0014861         48-8M0014862           16.25         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014714           17.5         33         48-8M0014743         48-8M0014744           17.25         33         48-8M0014773         48-8M0014774           17         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014803         48-8M0014804           16.5         33         48-8M0014803         48-8M0014804           16.5         33         48-8M0014803         48-8M0014804           16         33         48-8M0014893         48-8M0014894	17.25	32	48-8M0014771	48-8M0014772
16.5         32         48-8M0014861         48-8M0014862           16.25         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014714           17.5         33         48-8M0014743         48-8M0014744           17.25         33         48-8M0014773         48-8M0014774           17         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014803         48-8M0014804           16.5         33         48-8M0014863         48-8M0014864           16.5         33         48-8M0014893         48-8M0014894           16         33         48-8M0014923         48-8M0014924	17	32	48-8M0014801	48-8M0014802
16.25         32         48-8M0014891         48-8M0014892           16         32         48-8M0014921         48-8M0014922           15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014714           17.5         33         48-8M0014743         48-8M0014744           17.25         33         48-8M0014773         48-8M0014774           17         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014863         48-8M0014804           16.5         33         48-8M0014863         48-8M0014864           16.25         33         48-8M0014893         48-8M0014894           16         33         48-8M0014923         48-8M0014924	16.75	32	48-8M0014831	48-8M0014832
16         32         48-8M0014921         48-8M0014922           15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014714           17.5         33         48-8M0014743         48-8M0014744           17.25         33         48-8M0014773         48-8M0014774           17         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014803         48-8M0014834           16.5         33         48-8M0014863         48-8M0014864           16.25         33         48-8M0014893         48-8M0014894           16         33         48-8M0014923         48-8M0014924	16.5	32	48-8M0014861	48-8M0014862
15.75         32         48-8M0014951         48-8M0014952           15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014714           17.5         33         48-8M0014743         48-8M0014744           17.25         33         48-8M0014773         48-8M0014774           17         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014833         48-8M0014834           16.5         33         48-8M0014863         48-8M0014864           16.25         33         48-8M0014893         48-8M0014894           16         33         48-8M0014923         48-8M0014924	16.25	32	48-8M0014891	48-8M0014892
15.5         32         48-8M0014981         48-8M0014982           15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014714           17.5         33         48-8M0014743         48-8M0014744           17.25         33         48-8M0014773         48-8M0014774           17         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014833         48-8M0014834           16.5         33         48-8M0014863         48-8M0014864           16.25         33         48-8M0014893         48-8M0014894           16         33         48-8M0014923         48-8M0014924	16	32	48-8M0014921	48-8M0014922
15.25         32         48-8M0015011         48-8M0015012           15         32         48-8M0015041         48-8M0015042           18         33         48-8M0014683         48-8M0014684           17.75         33         48-8M0014713         48-8M0014714           17.5         33         48-8M0014743         48-8M0014744           17.25         33         48-8M0014773         48-8M0014774           17         33         48-8M0014803         48-8M0014804           16.75         33         48-8M0014833         48-8M0014834           16.5         33         48-8M0014863         48-8M0014864           16.25         33         48-8M0014893         48-8M0014894           16         33         48-8M0014923         48-8M0014924	15.75	32	48-8M0014951	48-8M0014952
15     32     48-8M0015041     48-8M0015042       18     33     48-8M0014683     48-8M0014684       17.75     33     48-8M0014713     48-8M0014714       17.5     33     48-8M0014743     48-8M0014744       17.25     33     48-8M0014773     48-8M0014774       17     33     48-8M0014803     48-8M0014804       16.75     33     48-8M0014833     48-8M0014834       16.5     33     48-8M0014863     48-8M0014864       16.25     33     48-8M0014893     48-8M0014894       16     33     48-8M0014923     48-8M0014924	15.5	32	48-8M0014981	48-8M0014982
18     33     48-8M0014683     48-8M0014684       17.75     33     48-8M0014713     48-8M0014714       17.5     33     48-8M0014743     48-8M0014744       17.25     33     48-8M0014773     48-8M0014774       17     33     48-8M0014803     48-8M0014804       16.75     33     48-8M0014833     48-8M0014834       16.5     33     48-8M0014863     48-8M0014864       16.25     33     48-8M0014893     48-8M0014894       16     33     48-8M0014923     48-8M0014924	15.25	32	48- <b>8</b> M0015011	48-8M0015012
17.75     33     48-8M0014713     48-8M0014714       17.5     33     48-8M0014743     48-8M0014744       17.25     33     48-8M0014773     48-8M0014774       17     33     48-8M0014803     48-8M0014804       16.75     33     48-8M0014833     48-8M0014834       16.5     33     48-8M0014863     48-8M0014864       16.25     33     48-8M0014893     48-8M0014894       16     33     48-8M0014923     48-8M0014924	15	32	48-8M0015041	48-8M0015042
17.5     33     48-8M0014743     48-8M0014744       17.25     33     48-8M0014773     48-8M0014774       17     33     48-8M0014803     48-8M0014804       16.75     33     48-8M0014833     48-8M0014834       16.5     33     48-8M0014863     48-8M0014864       16.25     33     48-8M0014893     48-8M0014894       16     33     48-8M0014923     48-8M0014924	18	33	48-8M0014683	48-8M0014684
17.25     33     48-8M0014773     48-8M0014774       17     33     48-8M0014803     48-8M0014804       16.75     33     48-8M0014833     48-8M0014834       16.5     33     48-8M0014863     48-8M0014864       16.25     33     48-8M0014893     48-8M0014894       16     33     48-8M0014923     48-8M0014924	17.75	33	48-8M0014713	48-8M0014714
17     33     48-8M0014803     48-8M0014804       16.75     33     48-8M0014833     48-8M0014834       16.5     33     48-8M0014863     48-8M0014864       16.25     33     48-8M0014893     48-8M0014894       16     33     48-8M0014923     48-8M0014924	17.5	33	48-8M0014743	48-8M0014744
16.75     33     48-8M0014833     48-8M0014834       16.5     33     48-8M0014863     48-8M0014864       16.25     33     48-8M0014893     48-8M0014894       16     33     48-8M0014923     48-8M0014924	17.25	33	48-8M0014773	48-8M0014774
16.5     33     48-8M0014863     48-8M0014864       16.25     33     48-8M0014893     48-8M0014894       16     33     48-8M0014923     48-8M0014924	17	33	48-8M0014803	48-8M0014804
16.25     33     48-8M0014893     48-8M0014894       16     33     48-8M0014923     48-8M0014924	16.75	33	48-8M0014833	48-8M0014834
16 33 48-8M0014923 48-8M0014924	16.5	33	48-8M0014863	48-8M0014864
	16.25	33	48-8M0014893	48-8M0014894
15.75 33 48-8M0014953 48-8M0014954	16	33	48-8M0014923	48-8M0014924
	15.75	33	48-8M0014953	48-8M0014954

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.5	33	48-8M0014983	48-8M0014984
15.25	33	48-8M0015013	48-8M0015014
15	33	48-8M0015043	48-8M0015044
18	34	48-8M0014685	48-8M0014686
17.75	34	48-8M0014715	48-8M0014716
17.5	34	48-8M0014745	48-8M0014746
17.25	34	48-8M0014775	48-8M0014776
17	34	48-8M0014805	48-8M0014806
16.75	34	48-8M0014835	48-8M0014836
16.5	34	48-8M0014865	48-8M0014866
16.25	34	48-8M0014895	48-8M0014896
16	34	48-8M0014925	48-8M0014926
15.75	34	48-8M0014955	48-8M0014956
15.5	34	48-8M0014985	48-8M0014986
15.25	34	48-8M0015015	48-8M0015016
15	34	48-8M0015045	48-8M0015046
18	35	48-8M0014687	48-8M0014688
17.75	35	48-8M0014717	48-8M0014718
17.5	35	48-8M0014747	48-8M0014748
17.25	35	48-8M0014777	48-8M0014778
17.25	35		48-8M0014878 48-8M0014808
		48-8M0014807	
16.75	35	48-8M0014837	48-8M0014838
16.5	35	48-8M0014867	48-8M0014868
16.25	35	48-8M0014897	48-8M0014898
16	35	48-8M0014927	48-8M0014928
15.75	35	48-8M0014957	48-8M0014958
15.5	35	48-8M0014987	48-8M0014988
15.25	35	48- <b>8M0015017</b>	48-8M0015018
15	35	48-8M0015047	48-8M0015048
18	36	48-8M0014689	48-8M0014690
17.75	36	48-8M0014719	48-8M0014720
17.5	36	48-8M0014749	48-8M0014750
17.25	36	48-8M0014779	48-8M0014780
17	36	48-8M0014809	48- <b>8M0014810</b>
16.75	36	48-8M0014839	48-8M0014840
16.5	36	48-8M0014869	48-8M0014870
16.25	36	48-8M0014899	48-8M0014900
16	36	48-8M0014929	48-8M0014930
15.75	36	48-8M0014959	48-8M0014960
15.5	36	48-8M0014989	48-8M0014990
15.25	36	48-8M0015019	48-8M0015020
15	36	48-8M0015049	48-8M0015050
18	37	48-8M0014691	48-8M0014692
17.75	37	48-8M0014721	48-8M0014722
17.5	37	48-8M0014751	48-8M0014752
17.25	37	48-8M0014781	48-8M0014782
17	37	48-8M0014811	48-8M0014812
16.75	37	48-8M0014841	48-8M0014842
16.5	37	48-8M0014871	48-8M0014872
16.25	37	48-8M0014901	48-8M0014902
16	37	48-8M0014931	48-8M0014932
15.75	37	48-8M0014961	48-8M0014962
15.75	37	48-8M0014991	48-8M0014992
15.25	37	48-8M0015021	48-8M0015022
10.20		TOTOINIOU 130Z I	TO-OIVIOU 13022

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15	37	48-8M0015051	48-8M0015052
18	38	48-8M0014693	48-8M0014694
17.75	38	48-8M0014723	48-8M0014724
17.5	38	48-8M0014753	48-8M0014754
17.25	38	48-8M0014783	48-8M0014784
17	38	48-8M0014813	48-8M0014814
16.75	38	48-8M0014843	48-8M0014844
16.5	38	48-8M0014873	48-8M0014874
16.25	38	48-8M0014903	48-8M0014904
16	38	48-8M0014933	48-8M0014934
15.75	38	48-8M0014963	48-8M0014964
15.5	38	48-8M0014993	48-8M0014994
15.25	38	48-8M0015023	48-8M0015024
15	38	48- <b>8M0015053</b>	48-8M0015054
18	39	48-8M0014695	48-8M0014696
17.75	39	48-8M0014725	48-8M0014726
17.5	39	48-8M0014755	48-8M0014756
17.25	39	48-8M0014785	48-8M0014786
17	39	48-8M0014815	48-8M0014816
16.75	39	48-8M0014845	48-8M0014846
16.5	39	48-8M0014875	48-8M0014876
16.25	39	48-8M0014905	48-8M0014906
16	39	48-8M0014935	48-8M0014936
15.75	39	48-8M0014965	48-8M0014966
15.5	39	48-8M0014995	48-8M0014996
15.25	39	48-8M0015025	48-8M0015026
15	39	48-8M0015055	48-8M0015056
18	40	48-8M0014697	48-8M0014698
17.75	40	48-8M0014727	48-8M0014728
17.5	40	48-8M0014757	48-8M0014758
17.25	40	48-8M0014787	48-8M0014788
17	40	48-8M0014817	48-8M0014818
16.75	40	48-8M0014847	48-8M0014848
16.5	40	48-8M0014877	48-8M0014878
16.25	40	48-8M0014907	48-8M0014908
16	40	48-8M0014937	48-8M0014938
15.75	40	48- <b>8M</b> 001 <b>4967</b>	48-8M0014968
15.5	40	48-8M0014997	48-8M0014998
15.25	40	48- <b>8M0015027</b>	48-8M0015028
15	40	48- <b>8M</b> 0015057	48-8M0015058

# CNC Cleaver, Heat Treated SS 5 Blade, 18 Degree Rake - 700 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.5	38	48-8M0100497	48-8M0100496
16.7539	39	48-8M0054727	48-8M0054728
16.5	39	48-8M0100499	48-8M0100498

# CNC CLEAVER 5 BLADE 21 DEGREE RAKE POLISHED LAB FINISHED STERNDRIVE PROPELLER



# CNC Cleaver, Heat Treated SS 5 Blade, 21 Degree Rake - 1550 HP

IIIA, IV, V, VI, VII SSM, NXT1, M8. Case 8M0107970 Included. 26 Spline hub with 1.75/1.88 in.(44.5/47.7mm) O.D. propeller shaft and 6 in. (152mm) hub length

1350 HP Limited, currently offering 17.50 x 34 8M0104607 and 8M0104608.

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	30	48-8M0049531	48-8M0049532
17.75	30	48-8M0049553	48-8M0049554
17.5	30	48- <b>8</b> M00 <b>4</b> 95 <b>7</b> 5	48-8M0049576
17.25	30	48-8M0049597	48-8M0049598
17	30	48-8M0049619	48-8M0049620
16.75	30	48-8M0049641	48-8M0049642
16.5	30	48-8M0049663	48- <b>8M0049664</b>
16.25	30	48-8M0049685	48- <b>8M0049686</b>
16	30	48- <b>8M0049707</b>	48- <b>8M0049708</b>
18	31	48-8M0049533	48-8M0049534
17.75	31	48-8M0049555	48-8M0049556
17.5	31	48-8M0049577	48-8M0049578
17.25	31	48-8M0049599	48-8M0049600
17	31	48-8M0049621	48-8M0049622
16.75	31	48-8M0049643	48-8M0049644
16.5	31	48-8M0049665	48- <b>8M0049666</b>
16.25	31	48-8M0049687	48-8M0049688
16	31	48-8M0049709	48-8M0049710
18	32	48- <b>8M0049535</b>	48-8M0049536
17.75	32	48-8M0049557	48- <b>8M0049558</b>
17.5	32	48-8M0049579	48- <b>8M0049580</b>
17.25	32	48-8M0049601	48-8M0049602
17	32	48-8M0049623	48-8M0049624
16.75	32	48-8M0049645	48-8M0049646
16.5	32	48-8M0049667	48-8M0049668
16.25	32	48-8M0049689	48-8M0049690
16	32	48- <b>8M0049711</b>	48-8M0049712
18	33	48-8M0049537	48-8M0049538
17.75	33	48-8M0049559	48-8M0049560
17.5	33	48-8M0049581	48-8M0049582
17.25	33	48-8M0049603	48-8M0049604
17	33	48-8M0049625	48-8M0049626
16.75	33	48-8M0049647	48-8M0049648
16.5	33	48-8M0049669	48- <b>8M0049670</b>
16.25	33	48-8M0049691	48- <b>8M</b> 00 <b>4</b> 96 <b>9</b> 2
			1

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16	33	48-8M0049713	48-8M0049714
18	34	48-8M0049539	48-8M0049540
17.75	34	48-8M0049561	48-8M0049562
17.5	34	48-8M0049583	48-8M0049584
17.25	34	48-8M0049605	48-8M0049606
17	34	48-8M0049627	48-8M0049628
16.75	34	48-8M0049649	48-8M0049650
16.5	34	48-8M0049671	48-8M0049672
16.25	34	48-8M0049693	48-8M0049694
16	34	48-8M0049715	48-8M0049716
18	35	48-8M0049541	48-8M0049542
17.75	35	48-8M0049563	48-8M0049564
17.5	35	48-8M0049585	48-8M0049586
17.25	35	48-8M0049607	48-8M0049608
17	35	48-8M0049629	48-8M0049630
16.75	35	48-8M0049651	48-8M0049652
16.5	35	48-8M0049673	48-8M0049674
16.25	35	48-8M0049695	48-8M0049696
16	35	48-8M0049717	48-8M0049718
18	36	48-8M0049543	48-8M0049544
17.75	36	48-8M0049565	48-8M0049566
17.5	36	48-8M0049587	48-8M0049588
17.25	36	48-8M0049609	48-8M0049610
17	36	48-8M0049631	48-8M0049632
16.75	36	48-8M0049653	48-8M0049654
16.5	36	48-8M0049675	48-8M0049676
16.25	36	48-8M0049697	48-8M0049698
	36	48-8M0049719	48-8M0049720
16			
18	37	48-8M0049545	48-8M0049546
17.75	37	48-8M0049567	48-8M0049568
17.5	37	48-8M0049589	48-8M0049590
17.25	37	48-8M0049611	48-8M0049612
17	37	48-8M0049633	48-8M0049634
16.75	37	48-8M0049655	48-8M0049656
16.5	37	48-8M0049677	48-8M0049678
16.25	37	48-8M0049699	48-8M0049700
16	37	48-8M0049721	48-8M0049722
18	38	48-8M0049547	48-8M0049548
17.75	38	48-8M0049569	48-8M0049570
17.5	38	48-8M0049591	48-8M0049592
17.25	38	48-8M0049613	48-8M0049614
17	38	48-8M0049635	48-8M0049636
16.75	38	48-8M0049657	48-8M0049658
16.5	38	48-8M0049679	48-8M0049680
16.25	38	48-8M0049701	48-8M0049702
16	38	48-8M0049723	48-8M0049724
18	39	48-8M0049549	48- <b>8M0049550</b>
17.75	39	48-8M0049571	48-8M0049572
17.5	39	48-8M0049593	48-8M0049594
17.25	39	48-8M0049615	48-8M0049616
17	39	48- <b>8M0049637</b>	48-8M0049638
16.75	39	48- <b>8M0049659</b>	48- <b>8M0049660</b>
16.5	39	48-8M0049681	48- <b>8M0049682</b>
16.25	39	48- <b>8M0049703</b>	48-8M0049704

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16	39	48-8M0049725	48-8M0049726
18	40	48-8M0049551	48-8M0049552
17.75	40	48-8M0049573	48-8M0049574
17.5	40	48-8M0049595	48-8M0049596
17.25	40	48-8M0049617	48-8M0049618
17	40	48-8M0049639	48-8M0049640
16.75	40	48-8M0049661	48-8M0049662
16.5	40	48-8M0049683	48-8M0049684
16.25	40	48-8M0049705	48-8M0049706
16	40	48- <b>8M0049727</b>	48-8M0049728

# CNC Cleaver, Heat Treated SS 5 Blade, 21 Degree Rake - 1200 HP

Pitch	LH Rotation	RH Rotation
30	48-8M0017089	48-8M0017090
30	48-8M0017119	48-8M0017120
30	48-8M0017149	48-8M0017150
30	48-8M0017179	48-8M0014180
30	48-8M0017209	48-8M0017210
30	48-8M0017239	48-8M0017240
30	48-8M0017269	48-8M0014270
30	48-8M0017299	48-8M0017300
30	48-8M0017329	48-8M0017330
30	48-8M0017359	48-8M0017360
30	48-8M0017389	48-8M0017390
30	48-8M0017419	48-8M0017420
30	48-8M0017449	48-8M0017450
31	48-8M0017091	48-8M0017092
31	48-8M0017121	48-8M0017122
31	48-8M0017151	48-8M0017152
31	48-8M0017181	48-8M0017182
31	48-8M0017211	48-8M0017212
31	48-8M0017241	48-8M0017242
31	48-8M0017271	48-8M0017272
31	48-8M0017301	48-8M0017302
31	48-8M0017331	48-8M0017332
31	48-8M0017361	48-8M0017362
31	48-8M0017391	48-8M0017392
31	48-8M0017421	48-8M0017422
31	48-8M0017451	48-8M0017452
32	48-8M0017093	48-8M0017094
32	48-8M0017123	48-8M0017124
32	48-8M0017153	48-8M0017154
32	48-8M0017183	48-8M0017184
32	48-8M0017213	48-8M0017214
32	48-8M0017243	48-8M0017244
32	48-8M0017273	48-8M0017274
32	48-8M0017303	48-8M0017304
32	48-8M0017333	48-8M0017334
32	48-8M0017363	48-8M0017364
32	48-8M0017393	48-8M0017394
	30 30 30 30 30 30 30 30 30 30	30

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.25	32	48-8M0017423	48-8M0017424
15	32	48-8M0017453	48-8M0017454
18	33	48-8M0017095	48-8M0017096
17.75	33	48-8M0017125	48-8M0017126
17.5	33	48-8M0017155	48-8M0017156
17.25	33	48-8M0017185	48-8M0017186
17	33	48-8M0017215	48-8M0017216
16.75	33	48-8M0017245	48-8M0017246
16.5	33	48-8M0017275	48-8M0017276
16.25	33	48-8M0017305	48-8M0017306
16	33	48-8M0017335	48-8M0017336
15.75	33	48-8M0017365	48-8M0017366
15.5	33	48-8M0017395	48-8M0017396
15.25	33	48-8M0017425	48-8M0017426
15	33	48-8M0017455	48-8M0017456
18	34	48-8M0017097	48-8M0017098
17.75	34	48-8M0017127	48-8M0017128
17.5	34	48-8M0017157	48-8M0017158
17.25	34	48-8M0017187	48-8M0017188
17	34	48-8M0017217	48-8M0017218
16.75	34	48-8M0017247	48-8M0017248
16.5	34	48-8M0017277	48-8M0017278
16.25	34	48-8M0017307	48-8M0017308
16	34	48-8M0017337	48-8M0017338
15.75	34	48-8M0017367	48-8M0017368
15.75	34	48-8M0017397	48-8M0017398
15.25	34	48-8M0017427	48-8M0017428
15	34	48-8M0017457	48-8M0017458
18	35	48-8M0017099	48-8M0017100
17.75	35	48-8M0017129	48-8M0017130
17.75	35	48-8M0017159	48-8M0017160
17.25	35	48-8M0017189	48-8M0017190
17.25	35	48-8M0017219	48-8M0017220
16.75	35	48-8M0017249	48-8M0017250
16.5	35	48-8M0017279 48-8M0017309	48-8M0017280
	35		48-8M0017310 48-8M0017340
16	35	48-8M0017339	
15.75	35	48-8M0017369	48-8M0017370
15.5	35	48-8M0017399	48-8M0017400
15.25	35	48-8M0017429	48-8M0017430
15	35	48-8M0017459	48-8M0017460
18	36	48-8M0017101	48-8M0017102
17.75	36	48-8M0017131	48-8M0017132
17.5	36	48-8M0017161	48-8M0017162
17.25	36	48-8M0017191	48-8M0017192
17	36	48-8M0017221	48-8M0017222
16.75	36	48-8M0017251	48-8M0017252
16.5	36	48-8M0017281	48-8M0017282
16.25	36	48-8M0017311	48-8M0017312
16	36	48-8M0017341	48-8M0017342
15.75	36	48-8M0017371	48-8M0017372
15.5	36	48-8M0017401	48-8M0017402
15.25	36	48-8M0017431	48-8M0017432
15	36	48-8M0017461	48-8M0017462

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	37	48-8M0017103	48-8M0017104
17.75	37	48-8M0017133	48-8M0017134
17.5	37	48-8M0017163	48-8M0017164
17.25	37	48-8M0017193	48-8M0017194
17	37	48-8M0017223	48-8M0017224
16.75	37	48-8M0017253	48-8M0017254
16.5	37	48-8M0017283	48-8M0017284
16.25	37	48-8M0017313	48-8M0017314
16	37	48-8M0017343	48-8M0017344
15.75	37	48-8M0017373	48-8M0017374
15.5	37	48-8M0017403	48-8M0017404
15.25	37	48-8M0017433	48-8M0017434
15	37	48-8M0017463	48-8M0017464
18	38	48-8M0017105	48-8M0017106
17.75	38	48-8M0017135	48-8M0017136
17.5	38	48-8M0017165	48-8M0017166
17.25	38	48-8M0017195	48-8M0017196
17	38	48-8M0017225	48-8M0017226
16.75	38	48-8M0017255	48-8M0017256
16.5	38	48-8M0017285	48-8M0017286
16.25	38	48-8M0017315	48-8M0017316
16	38	48-8M0017345	48-8M0017346
15.75	38	48-8M0017375	48-8M0017376
15.5	38	48-8M0017405	48-8M0017406
15.25	38	48-8M0017435	48-8M0017436
15	38	48-8M0017465	48-8M0017466
18	39	48-8M0017107	48-8M0017108
17.75	39	48-8M0017137	48-8M0017138
17.5	39	48-8M0017167	48- <b>8M0017168</b>
17.25	39	48-8M0017197	48-8M0017198
17	39	48-8M0017227	48-8M0017228
16.75	39	48-8M0017257	48-8M0017258
16.5	39	48-8M0017287	48-8M0017288
16.25	39	48-8M0017317	48-8M0017318
16	39	48-8M0017347	48- <b>8M0017348</b>
15.75	39	48- <b>8M</b> 0017377	48-8M0017378
15.5	39	48- <b>8M</b> 0017407	48- <b>8M0017408</b>
15.25	39	48-8M0017437	48-8M0017438
15	39	48-8M0017467	48-8M0017468
18	40	48-8M0017109	48- <b>8M0017110</b>
17.75	40	48-8M0017139	48-8M0017140
17.5	40	48-8M0017169	48-8M0017170
17.25	40	48-8M0017199	48-8M0017200
17	40	48-8M0017229	48-8M0017230
16.75	40	48-8M0017259	48- <b>8M0017260</b>
16.5	40	48-8M0017289	48-8M0017290
16.25	40	48-8M0017319	48-8M0017320
16	40	48-8M0017349	48-8M0017350
15.75	40	48-8M0017379	48-8M0017380
15.5	40	48-8M0017409	48-8M0017410
15.25	40	48-8M0017439	48-8M0017440
15	40	48-8M0017469	48- <b>8M0017470</b>

#### CNC Cleaver, Heat Treated SS 5 Blade, 21 Degree Rake - 900 HP

IIIA, IV, V, VI, VII SSM, NXT1 and M8. Case 8M0107970 included. 26 Spline hub with 1.75/1.88 in.(44.5/47.7mm) O.D. propeller shaft and 6 in. (152mm) hub length

Diameter (Inches)	Pitch	Pro Finished LH	Pro Finished RH
10		Rotation	Rotation
18	30	48-8M0018259	48-8M0018260
17.75	30	48-8M0018289	48-8M0018290
17.5	30	48-8M0018319	48-8M0018320
17.25	30	48-8M0018349	48-8M0018350
17	30	48-8M0018379	48-8M0018380
16.75	30	48-8M0018409	48-8M0018410
16.5	30	48-8M0018439	48-8M0018440
16.25	30	48-8M0018469	48-8M0018470
16	30	48-8M0018499	48-8M0018500
15.75	30	48-8M0018529	48-8M0018530
15.5	30	48-8M0018559	48-8M0018560
15.25	30	48-8M0018589	48-8M0018590
15	30	48-8M0018619	48-8M0018620
18	31	48-8M0018261	48-8M0018262
17.75	31	48-8M0018291	48-8M0018292
17.5	31	48-8M0018321	48-8M0018322
17.25	31	48- <b>8</b> M0018351	48-8M0018352
17	31	48- <b>8M</b> 0018381	48-8M0018382
16.75	31	48-8M0018411	48-8M0018412
16.5	31	48-8M0018441	48-8M0018442
16.25	31	48-8M0018471	48-8M0018472
16	31	48-8M0018501	48-8M0018502
15.75	31	48-8M0018531	48-8M0018532
15.5	31	48-8M0018561	48-8M0018562
15.25	31	48- <b>8M0018591</b>	48- <b>8M0018592</b>
15	31	48- <b>8M0018621</b>	48- <b>8M0018622</b>
18	32	48- <b>8M0018263</b>	48-8M0018264
17.75	32	48- <b>8M0018293</b>	48- <b>8M0018294</b>
17.5	32	48- <b>8M0018323</b>	48-8M0018324
17.25	32	48- <b>8M0018353</b>	48- <b>8M0018354</b>
17	32	48-8M0018383	48-8M0018384
16.75	32	48-8M0018413	48- <b>8M0018414</b>
16.5	32	48-8M0018443	48- <b>8M0018444</b>
16.25	32	48-8M0018473	48-8M0018474
16	32	48-8M0018503	48-8M0018504
15.75	32	48-8M0018533	48-8M0018534
15.5	32	48-8M0018563	48-8M0018564
15.25	32	48-8M0018593	48-8M0018594
15	32	48-8M0018623	48-8M0018624
18	33	48-8M0018265	48-8M0018266
17.75	33	48-8M0018295	48-8M0018296
17.5	33	48-8M0018325	48-8M0018326
17.25	33	48-8M0018355	48-8M0018356
17	33	48-8M0018385	48-8M0018386
16.75	33	48-8M0018415	48-8M0018416
16.5	33	48-8M0018445	48- <b>8M0018446</b>
16.25	33	48-8M0018475	48-8M0018476

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Diameter (Inches)	Ditab	Dro Ciniobod I II	Dre Finished DII
Diameter (Inches)	Pitch	Pro Finished LH Rotation	Pro Finished RH Rotation
16	33	48-8M0018505	48-8M0018506
15.75	33	48-8M0018535	48-8M0018536
15.5	33	48- <b>8M0018565</b>	48-8M0018566
15.25	33	48-8M0018595	48-8M0018596
15	33	48- <b>8M0018625</b>	48-8M0018626
18	34	48-8M0018267	48-8M0018268
17.75	34	48-8M0018297	48-8M0018298
17.5	34	48-8M0018327	48-8M0018328
17.25	34	48-8M0018357	48-8M0018358
17	34	48-8M0018387	48-8M0018388
16.75	34	48-8M0018417	48-8M0018418
16.5	34	48-8M0018447	48-8M0018448
16.25	34	48-8M0018477	48-8M0018478
16	34	48-8M0018507	48-8M0018508
15.75	34	48-8M0018537	48-8M0018538
15.5	34	48- <b>8M0018567</b>	48-8M0018568
15.25	34	48-8M0018597	48-8M0018598
15	34	48-8M0018627	48-8M0018628
18	35	48-8M0018269	48-8M0018270
17.75	35	48-8M0018299	48-8M0018300
17.5	35	48-8M0018329	48-8M0018330
17.25	35	48-8M0018359	48-8M0018360
17	35	48-8M0018389	48-8M0018390
16.75	35	48-8M0018419	48-8M0018420
16.5	35	48-8M0018449	48-8M0018450
16.25	35	48-8M0018479	48-8M0018480
16	35	48-8M0018509	48-8M0018510
15.75	35	48-8M0018539	48-8M0018540
15.5	35	48-8M0018569	48-8M0018570
15.25	35	48-8M0018599	48-8M0018600
15	35	48-8M0018629	48-8M0018630
18	36	48-8M0018271	48-8M0018272
17.75	36	48-8M0018301	48-8M0018302
17.5	36	48-8M0018331	48-8M0018332
17.25	36	48-8M0018361	48-8M0018362
17	36	48-8M0018391	48-8M0018392
16.75	36	48-8M0018421	48-8M0018422
16.5	36	48-8M0018451	48-8M0018452
16.25	36	48-8M0018481	48-8M0018482
16	36	48-8M0018511	48-8M0018512
15.75	36	48-8M0018541	48-8M0018542
15.5	36	48-8M0018571	48-8M0018572
15.25	36	48-8M0018601	48-8M0018602
15	36	48-8M0018631	48-8M0018632
18	37	48-8M0018273	48-8M0018274
17.75	37	48- <b>8M</b> 001 <b>83</b> 03	48-8M0018304
17.5	37	48- <b>8M</b> 0018333	48-8M0018334
17.25	37	48- <b>8M0018363</b>	48-8M0018364
17	37	48- <b>8M</b> 0018393	48-8M0018394
16.75	37	48- <b>8M0018423</b>	48-8M0018424
16.5	37	48- <b>8M</b> 001 <b>8453</b>	48-8M0018454
16.25	37	48- <b>8M0018483</b>	48-8M0018484
16	37	48-8M0018513	48-8M0018514
15.75	37	48-8M0018543	48-8M0018544

Diamatan (Inches)	Dital	Des Fisished III	Des Finish of DII
Diameter (Inches)	Pitch	Pro Finished LH Rotation	Pro Finished RH Rotation
15.5	37	48-8M0018573	48-8M0018574
15.25	37	48-8M0018603	48-8M0018604
15	37	48-8M0018633	48-8M0018634
18	38	48-8M0018275	48-8M0018276
17.75	38	48- <b>8M0018305</b>	48-8M0018306
17.5	38	48-8M0018335	48-8M0018336
17.25	38	48- <b>8M0018365</b>	48-8M0018366
17	38	48-8M0018395	48-8M0018396
16.75	38	48-8M0018425	48-8M0018426
16.5	38	48-8M0018455	48-8M0018456
16.25	38	48-8M0018485	48-8M0018486
16	38	48-8M0018515	48-8M0018516
15.75	38	48-8M0018545	48-8M0018546
15.5	38	48-8M0018575	48-8M0018576
15.25	38	48- <b>8M0018605</b>	48-8M0018606
15	38	48-8M0018635	48-8M0018636
18	39	48-8M0018277	48-8M0018278
17.75	39	48-8M0018307	48-8M0018308
17.5	39	48-8M0018337	48-8M0018338
17.25	39	48-8M0018367	48-8M0018368
17	39	48-8M0018397	48-8M0018398
16.75	39	48-8M0018427	48-8M0018428
16.5	39	48-8M0018457	48-8M0018458
16.25	39	48-8M0018487	48-8M0018488
16	39	48-8M0018517	48-8M0018518
15.75	39	48-8M0018547	48-8M0018548
15.5	39	48-8M0018577	48-8M0018578
15.25	39	48- <b>8M0018607</b>	48-8M0018608
15	39	48-8M0018637	48-8M0018638
18	40	48- <b>8M0018279</b>	48- <b>8M0018280</b>
17.75	40	48- <b>8M0018309</b>	48-8M0018310
17.5	40	48-8M0018339	48-8M0018340
17.25	40	48- <b>8M0018369</b>	48- <b>8M0018370</b>
17	40	48- <b>8M0018399</b>	48-8M0018400
16.75	40	48-8M0018429	48-8M0018430
16.5	40	48- <b>8M0018459</b>	48- <b>8M0018460</b>
16.25	40	48-8M0018489	48-8M0018490
16	40	48-8M0018519	48- <b>8M0018520</b>
15.75	40	48-8M0018549	48- <b>8M0018550</b>
15.5	40	48-8M0018579	48- <b>8M0018580</b>
15.25	40	48-8M0018609	48- <b>8M0018610</b>
15	40	48-8M0018639	48-8M0018640

# CNC CLEAVER 6 BLADE 15 DEGREE RAKE POLISHED LAB FINISHED STERNDRIVE PROPELLER



# CNC Cleaver, Heat Treated SS 6 Blade, 15 Degree Rake - 1200 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	26	48-8M0002667	48-8M0002668
17.75	26	48-8M0002697	48-8M0002698
17.5	26	48-8M0002727	48-8M0002728
17.25	26	48-8M0002757	48-8M0002758
17	26	48- <b>8M0002787</b>	48- <b>8M0002788</b>
16.75	26	48-8M0002817	48- <b>8M0002818</b>
16.5	26	48-8M0002847	48-8M0002848
16.25	26	48-8M0002877	48-8M0002878
16	26	48-8M0002907	48-8M0002908
15.75	26	48-8M0002937	48-8M0002938
15.5	26	48-8M0002967	48-8M0002968
15.25	26	48-8M0002997	48-8M0002998
15	26	48-8M0003027	48-8M0003028
18	27	48- <b>8M0002669</b>	48- <b>8M0002670</b>
17.75	27	48-8M0002699	48-8M0002700
17.5	27	48-8M0002729	48-8M0002730
17.25	27	48-8M0002759	48-8M0002760
17	27	48- <b>8</b> M0002789	48- <b>8M0002790</b>
16.75	27	48-8M0002819	48- <b>8M0002820</b>
16.5	27	48-8M0002849	48-8M0002850
16.25	27	48-8M0002879	48-8M0002880
16	27	48-8M0002909	48-8M0002910
15.75	27	48-8M0002939	48-8M0002940
15.5	27	48- <b>8M0002969</b>	48- <b>8M0002970</b>
15.25	27	48- <b>8M0002999</b>	48- <b>8M0003000</b>
15	27	48-8M0003029	48-8M0003030
18	28	48-8M0002671	48-8M0002672
17.75	28	48-8M0002701	48-8M0002702
17.5	28	48-8M0002731	48-8M0002732
17.25	28	48-8M0002761	48-8M0002762
17	28	48-8M0002791	48-8M0002792
16.75	28	48-8M0002821	48-8M0002822
16.5	28	48-8M0002851	48- <b>8M0002852</b>
16.25	28	48-8M0002881	48-8M0002882
16	28	48-8M0002911	48- <b>8M0002912</b>

15.75	Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.25		28	48-8M0002941	48-8M0002942
15	15.5	28	48-8M0002971	48-8M0002972
18 29 48 BM0002673 48 BM0002674 17.75 29 48 BM0002733 48 BM0002704 17.5 29 48 BM0002733 48 BM0002734 17.25 29 48 BM0002763 48 BM0002794 16.75 29 48 BM0002783 48 BM0002294 16.5 29 48 BM0002833 48 BM0002824 16.5 29 48 BM0002833 48 BM0002844 16.5 29 48 BM0002833 48 BM0002854 16.25 29 48 BM0002833 48 BM0002854 16 29 48 BM0002833 48 BM0002854 16 29 48 BM0002913 48 BM0002914 15.75 29 48 BM0002913 48 BM0002914 15.75 29 48 BM0002973 48 BM0002974 15.5 29 48 BM0003003 48 BM0002974 15.5 29 48 BM0003003 48 BM0002076 15 29 48 BM0003003 48 BM0002076 17.75 30 48 BM0002765 48 BM0002766 17.75 30 48 BM0002765 48 BM0002766 17.75 30 48 BM0002765 48 BM0002766 17.5 30 48 BM0002765 48 BM0002766 16.75 30 48 BM0002765 48 BM0002766 16.75 30 48 BM0002765 48 BM0002766 16.75 30 48 BM0002766 48 BM0002766 16.75 30 48 BM0002765 48 BM0002766 16.75 30 48 BM0002765 48 BM0002766 16.75 30 48 BM0002765 48 BM0002766 16.5 30 48 BM0002765 48 BM0002766 16.5 30 48 BM0002765 48 BM0002766 16.5 31 48 BM0002765 48 BM0002766 16.5 30 48 BM0002765 48 BM0002766 16.5 31 48 BM0002765 48 BM0002766 16.5 31 48 BM0002767 48 BM0002966 16.5 31 48 BM0002767 48 BM0002966 16.5 31 48 BM0002767 48 BM0002966 16.5 31 48 BM0002767 48 BM0002768 17.75 31 48 BM0002767 48 BM0002966 16.5 31 48 BM0002767 48 BM0002968 16.5 31 48 BM0002767 48 BM0002768 17.75 31 48 BM0002767 48 BM0002768 16.75 31 48 BM0002767 48 BM0002768 16.5 31 48 BM0002767 48 BM0002768 17.75 31 48 BM0002767 48 BM0002768 16.5 31 48 BM0002767 48 BM0002768 16.5 31 48 BM0002767 48 BM0002768 16.5 31 48 BM0002767 48 BM0002788 16.5 31 48 BM0002770 48 BM0002788 16.5 31 48 BM0002799 48 BM0002780 16.75 32 48 BM0002799 48 BM0002700 17.5 32 48 BM0002799 48 BM0002700 17.5 32 48 BM0002799 48 BM0002800 16.5 32 48 BM0002890 48 BM0002800 16.5 32 48 BM0002890 48 BM0002800 16.5 32 48 BM0002890 48 BM0002800	15.25	28	48-8M0003001	48-8M0003002
17.75	15	28	48-8M0003031	48-8M0003032
17.5 29 48 8M0002733 48 8M0002734 17.25 29 48 8M0002763 48 8M0002764 17 29 48 8M0002783 48 8M0002764 16.75 29 48 8M000283 48 8M0002854 16.5 29 48 8M000283 48 8M0002854 16.5 29 48 8M000283 48 8M0002854 16.25 29 48 8M0002913 48 8M0002844 15.75 29 48 8M0002913 48 8M0002914 15.75 29 48 8M0002973 48 8M0002914 15.5 29 48 8M0002973 48 8M0002914 15.5 29 48 8M0002003 48 8M0002974 15.5 29 48 8M0002003 48 8M0003004 15 29 48 8M0002075 48 8M0002076 17.75 30 48 8M000275 48 8M0002766 17.75 30 48 8M000275 48 8M0002766 17.7 30 48 8M000275 48 8M0002766 17.7 30 48 8M000275 48 8M0002766 16.5 30 48 8M000275 48 8M0002866 16 30 48 8M000275 48 8M0002866 16 30 48 8M0002767 48 8M0002866 16 30 48 8M0002975 48 8M0002976 15.5 31 48 8M0002977 48 8M0002978 16.75 31 48 8M0002977 48 8M0002978 17.5 31 48 8M0002777 48 8M0002788 17.75 31 48 8M0002877 48 8M0002888 16 31 48 8M0002877 48 8M0002978 17.5 31 48 8M0002977 48 8M0002978 16.75 31 48 8M0002977 48 8M0002978 17.5 31 48 8M0002977 48 8M0002978 16.75 31 48 8M0002977 48 8M00029080 16.5 31 48 8M0002977 48 8M00029080 16.5 32 48 8M0002897 48 8M0002889 18 32 48 8M0002897 48 8M0002889 18 32 48 8M0002899 48 8M0002890 16 8 32 48 8M0002899 48 8M0002890	18	29	48-8M0002673	48-8M0002674
17.25 29 48 8M0002763 48 8M0002764 17 29 48 8M0002793 48 8M0002794 16.75 29 48 8M0002863 48 8M0002864 16.55 29 48 8M0002863 48 8M0002864 16.25 29 48 8M0002813 48 8M0002884 16 29 48 8M0002913 48 8M0002914 15.75 29 48 8M0002913 48 8M0002914 15.75 29 48 8M0002913 48 8M0002914 15.55 29 48 8M000303 48 8M0002914 15.5 29 48 8M000303 48 8M0003004 15 29 48 8M0002675 48 8M000304 16 30 48 8M000275 48 8M0002706 17.75 30 48 8M0002705 48 8M0002706 17.5 30 48 8M000275 48 8M0002766 17 30 48 8M000275 48 8M0002766 17 30 48 8M000275 48 8M0002766 16.5 30 48 8M000285 48 8M0002866 16 30 48 8M000285 48 8M0002866 16 30 48 8M000285 48 8M0002866 16 30 48 8M0002915 48 8M0002866 16 30 48 8M0002975 48 8M0002866 16 30 48 8M000285 48 8M0002866 16 30 48 8M0002915 48 8M0002866 16 30 48 8M0002915 48 8M0002916 15.75 30 48 8M0002915 48 8M0002866 16 30 48 8M0002917 48 8M0002916 15.75 31 48 8M000277 48 8M0002788 17.75 31 48 8M000277 48 8M0002788 18 31 48 8M000277 48 8M0002788 16.5 31 48 8M0002977 48 8M0002988 16 31 48 8M0002877 48 8M0002889 16.5 31 48 8M0002897 48 8M0002889 16.5 31 48 8M0002897 48 8M0002889 16.5 31 48 8M0002897 48 8M0002889 16.5 31 48 8M0002899 48 8M0002890 16 32 48 8M0002899 48 8M0002890 16 48 8M0002899 48 8M0002890	17.75	29	48-8M0002703	48-8M0002704
17 29 48 8M0002793 48 8M0002794 16.75 29 48 8M0002823 48 8M0002824 16.5 29 48 8M0002853 48 8M0002854 16.25 29 48 8M000283 48 8M000284 16 29 48 8M0002913 48 8M0002914 15.75 29 48 8M0002973 48 8M0002974 15.55 29 48 8M000303 48 8M0002974 15.55 29 48 8M000303 48 8M0002974 15.55 29 48 8M000303 48 8M0002976 15.5 29 48 8M000303 48 8M0002766 17.75 30 48 8M000275 48 8M0002766 16.75 30 48 8M000285 48 8M0002866 16.5 30 48 8M002855 48 8M0002866 16.5 30 48 8M0002855 48 8M0002866 16.5 30 48 8M0002915 48 8M0002866 16.5 30 48 8M0002915 48 8M0002866 16.5 30 48 8M0002975 48 8M0002866 16.5 30 48 8M000285 48 8M0002866 16.5 30 48 8M0002975 48 8M0002976 15.55 30 48 8M0002975 48 8M0002976 15.55 30 48 8M0002975 48 8M0002976 15.55 31 48 8M0002977 48 8M0002976 16.55 31 48 8M0002977 48 8M0002708 17.5 31 48 8M0002707 48 8M0002708 17.5 31 48 8M0002977 48 8M0002708 17.5 31 48 8M0002977 48 8M0002788 16.5 31 48 8M0002877 48 8M0002788 16.5 31 48 8M0002977 48 8M0002788 16.5 31 48 8M0002977 48 8M0002788 16.5 31 48 8M0002977 48 8M0002988 16 31 48 8M0002977 48 8M0002700 18 8 31 48 8M0002977 48 8M0002700 18 8 31 48 8M0002977 48 8M0002700 18 8 31 48 8M0002977 48 8M0002889 18 32 48 8M0002897 48 8M0002889 18 32 48 8M0002897 48 8M0002800 18 31 48 8M0002977 48 8M0002998 16 31 48 8M0002979 48 8M0002800 16 32 48 8M0002899 48 8M0002800 16 32 48 8M0002899 48 8M0002800	17.5	29	48-8M0002733	48-8M0002734
16.75 29 48.8M0002823 48.8M0002824 16.5 29 48.8M0002833 48.8M0002884 16.25 29 48.8M0002813 48.8M0002884 16 29 48.8M0002913 48.8M0002914 15.75 29 48.8M0002913 48.8M0002914 15.75 29 48.8M0002913 48.8M0002914 15.55 29 48.8M0003003 48.8M0003004 15.25 29 48.8M0003003 48.8M0003004 16.25 29 48.8M0003003 48.8M0003004 18 30 48.8M000275 48.8M000276 17.75 30 48.8M000275 48.8M000276 17.75 30 48.8M000275 48.8M000276 17.5 30 48.8M000285 48.8M000276 17.5 30 48.8M000285 48.8M000276 18.5 30 48.8M002825 48.8M000286 16.5 30 48.8M002825 48.8M000286 16.5 30 48.8M002855 48.8M000286 16.5 30 48.8M002855 48.8M000286 16.5 30 48.8M0002915 48.8M000286 15.75 30 48.8M0002915 48.8M000286 15.75 30 48.8M0002915 48.8M000286 16.5 30 48.8M0002915 48.8M000286 16.5 30 48.8M0002915 48.8M000286 16.5 30 48.8M0002915 48.8M0002916 15.75 30 48.8M0002915 48.8M0002916 15.75 30 48.8M0002915 48.8M0002916 15.5 31 48.8M0002917 48.8M0002918 15.5 31 48.8M0002917 48.8M0002918 15.5 31 48.8M0002917 48.8M0002918 15.75 31 48.8M0002917 48.8M0002918 15.75 31 48.8M0002917 48.8M0002918 15.75 31 48.8M0002917 48.8M0002918 15.5 31 48.8M0002917 48.8M000	17.25	29	48-8M0002763	48-8M0002764
16.5 29 48.8M0002853 48.8M0002864 16.25 29 48.8M0002813 48.8M0002884 16. 29 48.8M0002913 48.8M0002914 15.75 29 48.8M0002913 48.8M0002914 15.75 29 48.8M0002973 48.8M0002914 15.55 29 48.8M0002973 48.8M0002974 15.25 29 48.8M000303 48.8M0002974 15.25 29 48.8M003033 48.8M0002807 18 30 48.8M0002675 48.8M0002676 17.75 30 48.8M0002755 48.8M0002766 17.75 30 48.8M0002755 48.8M0002766 17.7 30 48.8M0002755 48.8M0002766 17.7 30 48.8M0002755 48.8M0002766 17.7 30 48.8M0002855 48.8M0002766 16.5 30 48.8M0002855 48.8M0002866 16.5 30 48.8M0002855 48.8M002866 16.5 30 48.8M0002855 48.8M0002866 16.5 30 48.8M0002915 48.8M0002866 16.5 30 48.8M0002915 48.8M0002866 16.5 30 48.8M0002915 48.8M0002866 16.3 30 48.8M0002915 48.8M0002866 16.5 30 48.8M0002915 48.8M0002866 16.5 30 48.8M0002915 48.8M0002916 15.5 31 48.8M0002915 48.8M0002916 15.5 31 48.8M0002917 48.8M0002918 15.5 31 48.8M0002917 48.8M0002918 15.5 31 48.8M0002867 48.8M0002888 16.5 31 48.8M0002867 48.8M0002888 16.5 31 48.8M0002867 48.8M0002918 15.5 31 48.8M0002917 48.8M0002918 15.5 31 48.8M0002919 48.8M0002919 48.8	17	29	48- <b>8M</b> 000 <b>2793</b>	48-8M0002794
16.25         29         48.8M0002883         48.8M0002914           16         29         48.8M0002913         48.8M0002914           15.75         29         48.8M0002973         48.8M0002974           15.5         29         48.8M0003003         48.8M0003004           15         29         48.8M0003033         48.8M0003034           18         30         48.8M0002755         48.8M0002766           17.75         30         48.8M0002735         48.8M0002736           17.75         30         48.8M0002735         48.8M0002736           17.75         30         48.8M0002755         48.8M0002736           17.25         30         48.8M0002755         48.8M0002736           17.75         30         48.8M0002755         48.8M0002766           17         30         48.8M0002755         48.8M0002766           17         30         48.8M0002795         48.8M0002766           16.75         30         48.8M0002855         48.8M0002866           16.5         30         48.8M0002855         48.8M0002866           16         30         48.8M0002915         48.8M0002916           15.25         30         48.8M0002975         48.8M0002976	16.75	29	48-8M0002823	48-8M0002824
16         29         48.8M0002913         48.8M0002914           15.75         29         48.8M0002943         48.8M0002974           15.5         29         48.8M0002973         48.8M0002974           15.5         29         48.8M0003003         48.8M0002076           15         29         48.8M0002675         48.8M0002766           17.75         30         48.8M0002735         48.8M0002706           17.5         30         48.8M0002735         48.8M0002766           17         30         48.8M0002795         48.8M0002796           17         30         48.8M0002855         48.8M0002866           16.75         30         48.8M0002855         48.8M0002866           16.5         30         48.8M0002885         48.8M0002866           16.25         30         48.8M0002885         48.8M0002886           16         30         48.8M0002915         48.8M0002916           15.75         30         48.8M0002975         48.8M0002916           15.5         30         48.8M0002975         48.8M0002976           15.25         30         48.8M0002975         48.8M0002976           15.25         30         48.8M0002976         48.8M0002976	16.5	29	48-8M0002853	48-8M0002854
15.75 29 48.8M0002943 48.8M0002974 15.5 29 48.8M0002973 48.8M0002974 15.25 29 48.8M000303 48.8M0003004 15 29 48.8M0003033 48.8M0003034 18 30 48.8M000275 48.8M000276 17.75 30 48.8M000275 48.8M0002736 17.25 30 48.8M0002735 48.8M0002736 17.75 30 48.8M000275 48.8M0002736 17.75 30 48.8M000275 48.8M0002736 17.75 30 48.8M000275 48.8M0002736 17.75 30 48.8M000275 48.8M0002736 16.75 30 48.8M0002275 48.8M0002366 16.5 30 48.8M0002825 48.8M0002826 16.5 30 48.8M0002825 48.8M0002826 16.5 30 48.8M0002855 48.8M0002866 16 30 48.8M0002855 48.8M0002866 16 30 48.8M0002915 48.8M0002916 15.75 30 48.8M0002915 48.8M0002916 15.75 30 48.8M0002975 48.8M002916 15.75 30 48.8M0003005 48.8M0002976 15.25 30 48.8M0003005 48.8M0003006 15 30 48.8M0003005 48.8M0003006 17.75 31 48.8M0002677 48.8M0002078 18 31 48.8M0002777 48.8M0002708 17.75 31 48.8M0002777 48.8M0002708 17.25 31 48.8M0002777 48.8M0002708 17.5 31 48.8M0002777 48.8M0002708 18 32 48.8M0002777 48.8M0002709 18 34 48.8M0002777 48.8M0002709 18 34 48.8M0002777 48.8M0002709 18 34 48.8M0002777 48.8M0002709 18 34 48.8M0002877 48.8M0002800 18 32 48.8M0002779 48.8M0002978 18 32 48.8M0002779 48.8M0002770 17 32 48.8M0002779 48.8M0002770 17 32 48.8M0002799 48.8M0002770 17 32 48.8M0002899 48.8M0002890 16 32 48.8M0002899 48.8M0002890 16 32 48.8M0002899 48.8M0002890	16.25	29	48-8M0002883	48-8M0002884
15.5 29 48.8M0002973 48.8M0002974 15.25 29 48.8M000303 48.8M000304 15 29 48.8M000303 48.8M0003034 18 30 48.8M0002705 48.8M0002766 17.75 30 48.8M000275 48.8M0002766 17.5 30 48.8M000275 48.8M0002766 17.5 30 48.8M0002765 48.8M0002766 17 30 48.8M0002795 48.8M0002766 18.5 30 48.8M0002795 48.8M0002766 16.5 30 48.8M0002825 48.8M0002826 16.5 30 48.8M0002825 48.8M0002826 16.25 30 48.8M0002885 48.8M0002826 16 30 48.8M0002915 48.8M0002916 15.75 30 48.8M0002915 48.8M0002916 15.75 30 48.8M0002915 48.8M0002916 15.75 30 48.8M0002915 48.8M0002916 15.75 30 48.8M0002975 48.8M0002916 15.75 30 48.8M0002975 48.8M0002976 15.25 30 48.8M0003005 48.8M0002976 15.25 30 48.8M0003005 48.8M0003006 15 30 48.8M0002975 48.8M0003006 16 30 48.8M0002975 48.8M0002976 17.75 31 48.8M0002977 48.8M0003006 18 31 48.8M0002707 48.8M0002708 17.5 31 48.8M0002707 48.8M0002708 17.5 31 48.8M0002777 48.8M0002708 18 31 48.8M0002777 48.8M0002708 18 32 48.8M0002777 48.8M0002708 18 32 48.8M0002779 48.8M0002800 18 32 48.8M0002779 48.8M0002770 17 32 48.8M0002779 48.8M0002770 17 32 48.8M0002799 48.8M0002770 17 32 48.8M0002899 48.8M0002800 16.75 32 48.8M0002899 48.8M0002800 16.5 32 48.8M0002899 48.8M0002890 16.5 32 48.8M0002899 48.8M0002890 16.5 32 48.8M0002899 48.8M0002890	16	29	48-8M0002913	48-8M0002914
15.25 29 46.8M0003003 46.8M0003004 15 29 46.8M0003033 46.8M0003034 18 30 46.8M0003033 46.8M0003034 18 30 46.8M0002675 46.8M0002676 17.75 30 46.8M0002705 46.8M0002706 17.5 30 46.8M0002735 46.8M0002736 17.25 30 46.8M0002795 46.8M0002796 17.25 30 46.8M0002795 46.8M0002796 16.75 30 46.8M0002825 46.8M0002826 16.5 30 46.8M0002825 46.8M0002826 16.5 30 46.8M0002825 46.8M0002826 16.25 30 46.8M0002825 46.8M0002866 16 30 46.8M0002815 46.8M0002916 15.75 30 46.8M0002915 46.8M0002916 15.75 30 46.8M0002915 46.8M0002916 15.75 30 46.8M0002915 46.8M0002916 15.75 30 46.8M0003005 46.8M0003006 15.5 30 46.8M0003005 46.8M0003006 15.5 30 46.8M0003005 46.8M0003006 15.5 30 46.8M0003005 46.8M0003006 16.5 30 46.8M0003077 46.8M0003036 18 31 46.8M000277 46.8M0002708 17.5 31 46.8M0002777 46.8M0002708 17.5 31 46.8M0002777 46.8M0002708 17.5 31 46.8M0002777 46.8M0002708 17.5 31 46.8M0002777 46.8M0002708 18.15.5 31 46.8M0002777 46.8M0002708 18.15.5 31 46.8M0002777 46.8M0002886 16.5 31 46.8M0002777 46.8M0002886 16.5 31 46.8M0002877 46.8M0002886 16.5 31 46.8M0002977 46.8M0002886 16.5 31 46.8M0002977 46.8M0002886 16.5 31 46.8M0002977 48.8M0002880 4	15.75	29	48-8M0002943	48-8M0002944
15 29 46 8M0003033 48 8M0003034 18 30 46 8M0003034 48 8M0002765 48 8M0002766 17.75 30 48 8M0002705 48 8M0002706 17.5 30 48 8M0002735 48 8M0002736 17.25 30 48 8M0002755 48 8M0002766 17 30 48 8M0002755 48 8M0002766 17 30 48 8M0002755 48 8M0002766 17 30 48 8M0002825 48 8M0002826 16.5 30 48 8M0002825 48 8M0002826 16.5 30 48 8M0002825 48 8M0002826 16.25 30 48 8M0002825 48 8M0002886 16 30 48 8M0002915 48 8M0002916 15.75 30 48 8M0002975 48 8M0002976 15.25 30 48 8M0003035 48 8M0003036 18 31 48 8M0002677 48 8M000306 18 31 48 8M0002677 48 8M0002678 17.75 31 48 8M0002770 48 8M0002788 17.25 31 48 8M0002827 48 8M0002788 17.25 31 48 8M0002877 48 8M0002788 17.25 31 48 8M0002877 48 8M000278 17.55 31 48 8M0002877 48 8M0002788 17.25 31 48 8M0002877 48 8M000288 16.5 31 48 8M0002877 48 8M000288 18 32 48 8M0002879 48 8M000288 18 32 48 8M0002879 48 8M0002800 48 8M0002800 48 8M0002890 48 8M0002	15.5	29	48-8M0002973	48-8M0002974
18         30         46-8M0002675         48-8M0002766         17.75         30         46-8M0002705         48-8M0002706         17.5         30         48-8M0002735         48-8M0002736         17.25         30         48-8M0002765         48-8M0002766         17         30         48-8M0002795         48-8M0002796         16.75         30         48-8M0002825         48-8M0002826         16.75         30         48-8M0002825         48-8M0002826         16.5         30         48-8M0002855         48-8M0002866         16.5         30         48-8M0002885         48-8M0002866         16         30         48-8M0002915         48-8M0002916         15.75         30         48-8M0002915         48-8M0002946         15.5         30         48-8M0002975         48-8M0002976         15.25         30         48-8M0002975         48-8M0003006         48-8M0003006         48-8M0003036         48-8M0003036         48-8M0003036         48-8M0003036         48-8M0003036         48-8M0003036         48-8M0002976         48-8M0002678         17.7.75         31         48-8M0002677         48-8M0002708         17.7.25         31         48-8M0002777         48-8M0002778         18-8M0002778         18-8M0002778         18-8M0002778         18-8M0002888         16-5         31         48-8M0002878         48-8M0002888	15.25	29	48-8M0003003	48-8M0003004
17.75         30         46 8M0002705         46 8M0002706         17.5         30         46 8M0002735         48 8M0002736         17.25         30         46 8M0002765         48 8M0002766         17         30         46 8M0002795         48 8M0002796         48 8M0002796         16.75         30         46 8M0002825         48 8M0002826         16.5         30         46 8M0002855         48 8M0002856         16.5         30         48 8M0002885         48 8M0002886         16         30         48 8M0002815         48 8M0002916         15.75         30         48 8M0002915         48 8M0002916         15.75         30         48 8M0002975         48 8M0002976         15.5         30         48 8M0002975         48 8M0002976         15.25         30         48 8M0003035         48 8M0003036         48 8M0003036         18         31         48 8M0002677         48 8M0002678         17.75         31         48 8M0002707         48 8M0002708         17.5         31         48 8M0002707         48 8M0002708         17.25         31         48 8M0002770         48 8M0002708         17.25         31         48 8M0002770         48 8M0002788         16.5         31         48 8M0002797         48 8M0002798         48 8M0002798         16.75         31         48 8M0002857         48 8M0002858	15	29	48-8M0003033	48-8M0003034
17.5         30         48-8M0002735         48-8M0002736           17.25         30         48-8M0002765         48-8M0002766           17         30         48-8M0002795         48-8M0002796           16.75         30         48-8M0002825         48-8M0002826           16.5         30         48-8M0002855         48-8M0002866           16         30         48-8M0002915         48-8M0002916           15.75         30         48-8M0002945         48-8M0002946           15.5         30         48-8M0002975         48-8M0002976           15.5         30         48-8M0003005         48-8M00002976           15.25         30         48-8M0003035         48-8M0000306           15         30         48-8M0002677         48-8M0002678           17.75         31         48-8M0002707         48-8M0002708           17.5         31         48-8M0002707         48-8M0002708           17.5         31         48-8M0002707         48-8M0002708           16.75         31         48-8M0002707         48-8M0002708           16.5         31         48-8M0002807         48-8M0002708           16.5         31         48-8M0002807         48-8M0002888 </td <td>18</td> <td>30</td> <td>48-8M0002675</td> <td>48-8M0002676</td>	18	30	48-8M0002675	48-8M0002676
17.25         30         48.8M0002765         48.8M0002766           17         30         48.8M0002795         48.8M0002796           16.75         30         48.8M0002825         48.8M0002826           16.5         30         48.8M0002855         48.8M0002865           16.25         30         48.8M0002885         48.8M0002866           16         30         48.8M0002915         48.8M0002916           15.75         30         48.8M0002975         48.8M0002976           15.5         30         48.8M0003005         48.8M0002976           15.25         30         48.8M0003035         48.8M0003036           15         30         48.8M0002677         48.8M0002678           17.75         31         48.8M000277         48.8M0002708           17.25         31         48.8M000273         48.8M0002788           17         31         48.8M000276         48.8M0002788           16.75         31         48.8M000287         48.8M0002788           16.5         31         48.8M000287         48.8M0002888           16         31         48.8M000287         48.8M0002888           16         31         48.8M0002897         48.8M0002898 <td>17.75</td> <td>30</td> <td>48-8M0002705</td> <td>48-8M0002706</td>	17.75	30	48-8M0002705	48-8M0002706
17 30 48-8M0002795 48-8M0002796 16.75 30 48-8M0002825 48-8M0002826 16.5 30 48-8M0002855 48-8M0002866 16.25 30 48-8M0002885 48-8M0002886 16 30 48-8M0002915 48-8M0002916 15.75 30 48-8M0002975 48-8M0002976 15.5 30 48-8M0002975 48-8M0002976 15.25 30 48-8M0003005 48-8M000306 15 30 48-8M0003035 48-8M000306 15 30 48-8M0003035 48-8M000306 15 30 48-8M000277 48-8M000306 17.75 31 48-8M000277 48-8M0002788 18 31 48-8M000277 48-8M0002788 17.75 31 48-8M0002797 48-8M0002788 17.25 31 48-8M0002797 48-8M0002788 18 31 48-8M0002797 48-8M0002788 17 31 48-8M0002797 48-8M0002788 18 31 48-8M0002827 48-8M0002788 19 31 48-8M0002827 48-8M0002788 19 31 48-8M0002827 48-8M0002888 19 31 48-8M0002877 48-8M0002888 10 31 48-8M0002877 48-8M0002888 11 48-8M0002877 48-8M0002888 12 31 48-8M0002877 48-8M0002888 13 48-8M0002877 48-8M0002888 14 48-8M0002887 48-8M0002888 15 31 48-8M0002877 48-8M0002888 16 31 48-8M0002877 48-8M0002888 17 31 48-8M0002887 48-8M0002888 18 32 48-8M0002897 48-8M0002978 18 32 48-8M0002977 48-8M0002978 18 32 48-8M0002977 48-8M0002978 18 32 48-8M0002979 48-8M0002978 18 32 48-8M0002979 48-8M0002770 17 32 48-8M0002799 48-8M0002770 18 32 48-8M0002799 48-8M0002770 19 32 48-8M0002799 48-8M0002770 10 32 48-8M0002799 48-8M0002770 17 32 48-8M0002799 48-8M0002770 18 32 48-8M0002899 48-8M0002800	17.5	30	48-8M0002735	48-8M0002736
16.75         30         48.8M0002825         48.8M0002826           16.5         30         48.8M0002855         48.8M0002856           16.25         30         48.8M0002885         48.8M0002886           16         30         48.8M0002915         48.8M0002916           15.75         30         48.8M0002945         48.8M0002976           15.5         30         48.8M0002975         48.8M0002976           15.25         30         48.8M0003005         48.8M0003006           15         30         48.8M0003035         48.8M0003036           18         31         48.8M0002677         48.8M0002678           17.75         31         48.8M0002707         48.8M0002708           17.25         31         48.8M0002767         48.8M0002788           16.75         31         48.8M0002767         48.8M0002768           17         31         48.8M0002767         48.8M0002768           16.5         31         48.8M0002827         48.8M0002768           16.5         31         48.8M0002857         48.8M0002888           16         31         48.8M0002867         48.8M0002888           16         31         48.8M0002747         48.8M0002918	17.25	30	48-8M0002765	48-8M0002766
16.5         30         48.8M0002855         48.8M0002886         16.86         48.8M0002886         48.8M0002886         16.8M0002915         48.8M0002916         15.75         30         48.8M0002915         48.8M0002916         15.75         30         48.8M0002975         48.8M0002976         48.8M0002976         15.5         30         48.8M0003005         48.8M0003006         15.25         30         48.8M0003035         48.8M0003036         18.8M0002677         48.8M0002678         17.75         31         48.8M0002707         48.8M0002708         17.75         31         48.8M0002707         48.8M0002708         17.25         31         48.8M0002767         48.8M0002768         17.25         31         48.8M0002767         48.8M0002768         18.8M0002768         17.25         31         48.8M0002767         48.8M0002768         18.8M0002768         18.8M0002768         18.8M0002768         18.8M0002768         18.8M0002768         18.8M0002768         18.8M0002888         18.8M0002887         48.8M0002888         18.8M0002888         18.8M0002888         18.8M0002888         18.8M0002888         18.8M0002888         18.8M0002897         48.8M0002978         15.5         31         48.8M0002977         48.8M0002978         15.5         31         48.8M0002709         48.8M0002978         15.5         31         48.8M0	17	30	48-8M0002795	48-8M0002796
16.25         30         48.8M0002885         48.8M0002916           16         30         48.8M0002915         48.8M0002916           15.75         30         48.8M0002945         48.8M0002976           15.5         30         48.8M0002975         48.8M0002976           15.25         30         48.8M0003005         48.8M0003006           15         30         48.8M0002677         48.8M0002678           17.75         31         48.8M0002707         48.8M0002708           17.5         31         48.8M0002737         48.8M0002788           17.25         31         48.8M0002767         48.8M0002768           17         31         48.8M0002767         48.8M0002768           17         31         48.8M0002767         48.8M0002768           16.75         31         48.8M0002827         48.8M0002788           16.5         31         48.8M0002887         48.8M0002888           16         31         48.8M0002887         48.8M0002888           16         31         48.8M0002917         48.8M0002918           15.5         31         48.8M0002917         48.8M0002918           15.5         31         48.8M0002917         48.8M0002918	16.75	30	48-8M0002825	48-8M0002826
16         30         48-8M0002915         48-8M0002916           15.75         30         48-8M0002945         48-8M0002946           15.5         30         48-8M0002975         48-8M0002976           15.25         30         48-8M0003005         48-8M0003036           15         30         48-8M0002677         48-8M0002678           17.75         31         48-8M0002707         48-8M0002708           17.5         31         48-8M0002737         48-8M0002738           17.25         31         48-8M0002767         48-8M0002768           17         31         48-8M0002767         48-8M0002768           17         31         48-8M0002767         48-8M0002768           16.75         31         48-8M0002827         48-8M000298           16.5         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002887         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918	16.5	30	48-8M0002855	48-8M0002856
15.75         30         48-8M0002945         48-8M0002976           15.5         30         48-8M0002975         48-8M0002976           15.25         30         48-8M0003005         48-8M0003036           15         30         48-8M0002677         48-8M0002678           17.75         31         48-8M0002707         48-8M0002708           17.5         31         48-8M0002737         48-8M0002738           17.25         31         48-8M0002767         48-8M0002768           17         31         48-8M0002767         48-8M0002768           17         31         48-8M0002767         48-8M0002768           17         31         48-8M000287         48-8M0002798           16.75         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002857         48-8M0002888           16         31         48-8M000287         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918     <	16.25	30	48-8M0002885	48-8M0002886
15.5         30         48-8M0002975         48-8M0003006           15.25         30         48-8M0003005         48-8M0003006           15         30         48-8M0003035         48-8M0003036           18         31         48-8M0002677         48-8M0002708           17.75         31         48-8M0002707         48-8M0002708           17.5         31         48-8M0002737         48-8M0002738           17.25         31         48-8M0002767         48-8M0002768           17         31         48-8M0002797         48-8M0002798           16.75         31         48-8M0002827         48-8M000288           16.5         31         48-8M0002857         48-8M000288           16         31         48-8M0002867         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15         31         48-8M0002917         48-8M0002918 </td <td>16</td> <td>30</td> <td>48-8M0002915</td> <td>48-8M0002916</td>	16	30	48-8M0002915	48-8M0002916
15.25         30         48-8M0003005         48-8M0003036           15         30         48-8M0003035         48-8M0003036           18         31         48-8M0002677         48-8M0002678           17.75         31         48-8M0002707         48-8M0002708           17.5         31         48-8M0002737         48-8M0002738           17.25         31         48-8M0002767         48-8M0002768           17         31         48-8M0002797         48-8M0002798           16.75         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002857         48-8M0002858           16         31         48-8M000287         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15         31         48-8M0002917         48-8M0002008     <	15.75	30	48-8M0002945	48-8M0002946
15.25         30         48-8M0003005         48-8M0003036           15         30         48-8M0003035         48-8M0003036           18         31         48-8M0002677         48-8M0002678           17.75         31         48-8M0002707         48-8M0002708           17.5         31         48-8M0002737         48-8M0002738           17.25         31         48-8M0002767         48-8M0002768           17         31         48-8M0002797         48-8M0002798           16.75         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002857         48-8M0002858           16         31         48-8M000287         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15.5         31         48-8M0002917         48-8M0002918           15         31         48-8M0002917         48-8M0002008     <				
15         30         48-8M0003035         48-8M0003036         18         31         48-8M0002677         48-8M0002678         17.75         31         48-8M0002707         48-8M0002708         17.75         31         48-8M0002737         48-8M0002738         17.25         31         48-8M0002767         48-8M0002768         17         31         48-8M0002797         48-8M0002798         16.75         31         48-8M0002827         48-8M0002828         16.5         31         48-8M0002857         48-8M0002858         16.5         31         48-8M0002887         48-8M0002888         16         31         48-8M0002917         48-8M0002918         15.75         31         48-8M0002917         48-8M0002918         15.5         31         48-8M0002947         48-8M0002948         15.5         31         48-8M0002977         48-8M0002948         15.5         31         48-8M0002977         48-8M0002978         15.25         31         48-8M0002977         48-8M0002978         15.25         31         48-8M0002977         48-8M0002978         48-8M0002978         15.25         31         48-8M0002977         48-8M0002978         48-8M0002978         15.25         31         48-8M0002977         48-8M0002978         48-8M0002978         48-8M0002680         17.75         32         48-8M0002679				
18         31         48-8M0002677         48-8M0002678           17.75         31         48-8M0002707         48-8M0002708           17.5         31         48-8M0002737         48-8M0002738           17.25         31         48-8M0002767         48-8M0002768           17         31         48-8M0002797         48-8M0002798           16.75         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002857         48-8M0002858           16.25         31         48-8M0002887         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0002977         48-8M0003008           15         31         48-8M0002977         48-8M0003008           15         31         48-8M0002979         48-8M0002080           17.75         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002709         48-8M0002700 <td></td> <td>30</td> <td>48-8M0003035</td> <td>48-8M0003036</td>		30	48-8M0003035	48-8M0003036
17.5         31         48-8M0002737         48-8M0002738           17.25         31         48-8M0002767         48-8M0002768           17         31         48-8M0002827         48-8M0002828           16.75         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002857         48-8M0002858           16         31         48-8M0002887         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002799         48-8M0002710           17.5         32         48-8M0002799         48-8M000270           17         32         48-8M0002899         48-8M0002800           16.75         32         48-8M0002899         48-8M0002800           16.5         32         48-8M0002899         48-8M0002890				
17.25         31         48-8M0002767         48-8M0002768           17         31         48-8M0002797         48-8M0002798           16.75         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002857         48-8M0002858           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002709         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002799         48-8M0002800           16.75         32         48-8M0002899         48-8M0002800           16.5         32         48-8M0002899         48-8M0002890           16         32         48-8M0002899         48-8M0002890           16         32         48-8M0002919         48-8M000290	17.75	31	48-8M0002707	48-8M0002708
17         31         48-8M0002797         48-8M0002798           16.75         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002857         48-8M0002858           16.25         31         48-8M0002887         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002709         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002769         48-8M0002800           16.75         32         48-8M0002899         48-8M0002800           16.5         32         48-8M0002859         48-8M0002800           16.5         32         48-8M0002899         48-8M0002890           16         32         48-8M0002889         48-8M0002890	17.5	31	48-8M0002737	48-8M0002738
16.75         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002857         48-8M0002858           16.25         31         48-8M0002887         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.5         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002799         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002799         48-8M0002770           17         32         48-8M0002899         48-8M0002800           16.5         32         48-8M0002859         48-8M0002830           16.5         32         48-8M0002899         48-8M0002890           16         32         48-8M0002899         48-8M0002890	17.25	31	48-8M0002767	48-8M0002768
16.75         31         48-8M0002827         48-8M0002828           16.5         31         48-8M0002857         48-8M0002858           16.25         31         48-8M0002887         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.5         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002799         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002799         48-8M0002770           17         32         48-8M0002899         48-8M0002800           16.5         32         48-8M0002859         48-8M0002830           16.5         32         48-8M0002899         48-8M0002890           16         32         48-8M0002899         48-8M0002890	17			
16.5         31         48-8M0002857         48-8M0002858           16.25         31         48-8M0002887         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002709         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002769         48-8M0002770           17         32         48-8M0002799         48-8M0002800           16.75         32         48-8M0002899         48-8M0002830           16.5         32         48-8M0002899         48-8M0002890           16         32         48-8M0002899         48-8M0002890           16         32         48-8M0002919         48-8M0002920				
16.25         31         48-8M0002887         48-8M0002888           16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002709         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002799         48-8M0002770           17         32         48-8M0002799         48-8M0002800           16.75         32         48-8M0002899         48-8M0002830           16.5         32         48-8M0002859         48-8M0002800           16.5         32         48-8M0002899         48-8M0002890           16         32         48-8M0002919         48-8M0002920			48-8M0002857	48-8M0002858
16         31         48-8M0002917         48-8M0002918           15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002709         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002769         48-8M000270           17         32         48-8M0002769         48-8M0002800           16.75         32         48-8M0002899         48-8M0002800           16.5         32         48-8M0002859         48-8M0002830           16.25         32         48-8M0002899         48-8M0002890           16         32         48-8M0002819         48-8M0002890           16         32         48-8M0002919         48-8M0002920				
15.75         31         48-8M0002947         48-8M0002948           15.5         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002709         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002769         48-8M000270           17         32         48-8M0002799         48-8M0002800           16.75         32         48-8M0002899         48-8M0002830           16.5         32         48-8M0002859         48-8M0002860           16.25         32         48-8M0002889         48-8M0002890           16         32         48-8M0002919         48-8M0002920				
15.5         31         48-8M0002977         48-8M0002978           15.25         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002709         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002769         48-8M0002770           17         32         48-8M0002799         48-8M0002800           16.75         32         48-8M0002829         48-8M0002830           16.5         32         48-8M0002859         48-8M0002860           16.25         32         48-8M0002889         48-8M0002890           16         32         48-8M0002919         48-8M0002920				
15.25         31         48-8M0003007         48-8M0003008           15         31         48-8M0003037         48-8M0003038           18         32         48-8M0002679         48-8M0002680           17.75         32         48-8M0002709         48-8M0002710           17.5         32         48-8M0002739         48-8M0002740           17.25         32         48-8M0002769         48-8M0002770           17         32         48-8M0002799         48-8M0002800           16.75         32         48-8M0002829         48-8M0002830           16.5         32         48-8M0002859         48-8M0002860           16.25         32         48-8M0002889         48-8M0002890           16         32         48-8M0002919         48-8M0002920				
15     31     48.8M0003037     48.8M0003038       18     32     48.8M0002679     48.8M0002680       17.75     32     48.8M0002709     48.8M0002710       17.5     32     48.8M0002739     48.8M0002740       17.25     32     48.8M0002769     48.8M0002770       17     32     48.8M0002799     48.8M0002800       16.75     32     48.8M0002829     48.8M0002830       16.5     32     48.8M0002859     48.8M0002860       16.25     32     48.8M0002889     48.8M0002890       16     32     48.8M0002919     48.8M0002920				
18     32     48-8M0002679     48-8M0002680       17.75     32     48-8M0002709     48-8M0002710       17.5     32     48-8M0002739     48-8M0002740       17.25     32     48-8M0002769     48-8M0002770       17     32     48-8M0002799     48-8M0002800       16.75     32     48-8M0002829     48-8M0002830       16.5     32     48-8M0002859     48-8M0002860       16.25     32     48-8M0002889     48-8M0002890       16     32     48-8M0002919     48-8M0002920				
17.75     32     48-8M0002709     48-8M0002710       17.5     32     48-8M0002739     48-8M0002740       17.25     32     48-8M0002769     48-8M0002770       17     32     48-8M0002799     48-8M0002800       16.75     32     48-8M0002829     48-8M0002830       16.5     32     48-8M0002859     48-8M0002860       16.25     32     48-8M0002889     48-8M0002890       16     32     48-8M0002919     48-8M0002920	18	32	48-8M0002679	48-8M0002680
17.5     32     48-8M0002739     48-8M0002740       17.25     32     48-8M0002769     48-8M0002770       17     32     48-8M0002799     48-8M0002800       16.75     32     48-8M0002829     48-8M0002830       16.5     32     48-8M0002859     48-8M0002860       16.25     32     48-8M0002889     48-8M0002890       16     32     48-8M0002919     48-8M0002920				
17.25     32     48-8M0002769     48-8M0002770       17     32     48-8M0002799     48-8M0002800       16.75     32     48-8M0002829     48-8M0002830       16.5     32     48-8M0002859     48-8M0002860       16.25     32     48-8M0002889     48-8M0002890       16     32     48-8M0002919     48-8M0002920				
17     32     48-8M0002799     48-8M0002800       16.75     32     48-8M0002829     48-8M0002830       16.5     32     48-8M0002859     48-8M0002860       16.25     32     48-8M0002889     48-8M0002890       16     32     48-8M0002919     48-8M0002920				
16.75     32     48-8M0002829     48-8M0002830       16.5     32     48-8M0002859     48-8M0002860       16.25     32     48-8M0002889     48-8M0002890       16     32     48-8M0002919     48-8M0002920				
16.5     32     48-8M0002859     48-8M0002860       16.25     32     48-8M0002889     48-8M0002890       16     32     48-8M0002919     48-8M0002920				
16.25     32     48-8M0002889     48-8M0002890       16     32     48-8M0002919     48-8M0002920				
16 32 48-8M0002919 48-8M0002920				
15.5 32 48-8M0002979 48-8M0002980				

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.25	32	48-8M0003009	48-8M0003010
15	32	48-8M0003039	48-8M0003040
18	33	48- <b>8M0002681</b>	48-8M0002682
17.75	33	48-8M0002711	48-8M0002712
17.5	33	48-8M0002741	48-8M0002742
17.25	33	48-8M0002741	48-8M0002772
17	33	48-8M0002801	48-8M0002802 48-8M0002832
16.75	33	48-8M0002831	
16.5	33	48-8M0002861	48-8M0002862
16.25	33	48-8M0002891	48-8M0002892
16	33	48-8M0002921	48-8M0002922
15.75	33	48- <b>8M0002951</b>	48-8M0002952
15.5	33	48- <b>8M0002981</b>	48-8M0002982
15.25	33	48-8M0003011	48-8M0003012
15	33	48-8M0003041	48-8M0003042
18	34	48-8M0002683	48-8M0002684
17.75	34	48-8M0002713	48-8M0002714
17.5	34	48-8M0002743	48-8M0002744
17.25	34	48-8M0002773	48-8M0002774
17	34	48-8M0002803	48-8M0002804
16.75	34	48-8M0002833	48-8M0002834
16.5	34	48-8M0002863	48-8M0002864
16.25	34	48-8M0002893	
			48-8M0002894
16	34	48-8M0002923	48-8M0002924
15.75	34	48-8M0002953	48-8M0002954
15.5	34	48-8M0002983	48-8M0002984
15.25	34	48-8M0003013	48-8M0003014
15	34	48-8M0003043	48-8M0003044
18	35	48-8M0002685	48-8M0002686
17.75	35	48-8M0002715	48-8M0002716
17.5	35	48-8M0002745	48-8M0002746
17.25	35	48-8M0002775	48-8M0002776
17	35	48-8M0002805	48-8M0002806
16.75	35	48-8M0002835	48-8M0002836
16.5	35	48-8M0002865	48-8M0002866
16.25	35	48-8M0002895	48-8M0002896
16	35	48-8M0002925	48-8M0002926
15.75	35	48-8M0002955	48-8M0002956
15.5	35	48-8M0002985	48-8M0002986
15.25	35	48-8M0003015	48-8M0003016
15	35	48-8M0003045	48-8M0003046
18	36	48-8M0002687	48-8M0002688
17.75	36	48-8M0002717	48-8M0002718
17.5	36	48-8M0002747	48-8M0002748
17.25	36	48-8M0002777	48-8M0002778
17	36	48-8M0002807	48-8M0002808
16.75	36	48-8M0002837	48- <b>8M0002838</b>
16.5	36	48-8M0002867	48-8M0002868
16.25	36	48-8M0002897	48-8M0002898
16	36	48-8M0002927	48-8M0002928
15.75	36	48-8M0002957	48-8M0002958
15.5	36	48-8M0002987	48-8M0002988
15.25	36	48-8M0003017	48-8M0003018
15	36	48-8M0003047	48-8M0003048

D: ( ( ) )	B** 1		DUD / C
Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	37	48-8M0002689	48-8M0002690
17.75	37	48-8M0002719	48-8M0002720
17.5	37	48-8M0002749	48-8M0002750
17.25	37	48-8M0002779	48-8M0002780
17	37	48-8M0002809	48-8M0002810
16.75	37	48-8M0002839	48-8M0002840
16.5	37	48-8M0002869	48-8M0002870
16.25	37	48-8M0002899	48-8M0002900
16	37	48-8M0002929	48-8M0002930
15.75	37	48-8M0002959	48-8M0002960
15.5	37	48-8M0002989	48-8M0002990
15.25	37	48-8M0003019	48-8M0003020
15	37	48-8M0003049	48-8M0003050
18	38	48-8M0002691	48-8M0002692
17.75	38	48-8M0002721	48-8M0002722
17.5	38	48-8M0002751	48-8M0002752
17.25	38	48-8M0002781	48-8M0002782
17	38	48- <b>8M0002811</b>	48-8M0002812
16.75	38	48-8M0002841	48-8M0002842
16.5	38	48-8M0002871	48-8M0002872
16.25	38	48-8M0002901	48-8M0002902
16	38	48-8M0002931	48-8M0002932
15.75	38	48-8M0002961	48-8M0002962
15.5	38	48-8M0002991	48-8M0002992
15.25	38	48-8M0003021	48-8M0003022
15	38	48-8M0003051	48-8M0003052
18	39	48-8M0002693	48-8M0002694
17.75	39	48-8M0002723	48-8M0002724
17.5	39	48-8M0002753	48-8M0002754
17.25	39	48-8M0002783	48-8M0002784
17	39	48-8M0002813	48-8M0002814
16.75	39	48-8M0002843	48-8M0002844
16.5	39	48-8M0002873	48-8M0002874
16.25	39	48-8M0002903	48-8M0002904
16	39	48-8M0002933	48-8M0002934
15.75	39	48-8M0002963	48-8M0002964
15.5	39	48-8M0002993	48-8M0002994
15.25	39	48-8M0003023	48-8M0003024
15	39	48-8M0003053	48-8M0003054
18	40	48-8M0002695	48-8M0002696
17.75	40	48-8M0002725	48-8M0002726
17.5	40	48-8M0002755	48-8M0002756
17.25	40	48-8M0002785	48-8M0002786
17	40	48-8M0002815	48-8M0002816
16.75	40	48-8M0002845	48-8M0002846
16.5	40	48-8M0002875	48-8M0002876
16.25	40	48-8M0002905	48-8M0002906
16	40	48-8M0002935	48-8M0002936
15.75	40	48-8M0002965	48-8M0002966
15.5	40	48-8M0002995	48-8M0002996
15.25	40	48-8M0003025	48-8M0003026
15.25	40	48-8M0003025	48-8M0003026 48-8M0003056
10		JINIOOOOOO	TO DIVIDUOUUU

# CNC Cleaver, Heat Treated SS 6 Blade, 15 Degree Rake - 900 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	26	48-8M0003837	48-8M0003838
17.75	26	48-8M0003867	48- <b>8M</b> 0003868
17.5	26	48-8M0003897	48- <b>8M0003898</b>
17.25	26	48-8M0003927	48- <b>8M0003928</b>
17	26	48-8M0003957	48- <b>8M0003958</b>
16.75	26	48-8M0003987	48-8M0003988
16.5	26	48-8M0004017	48- <b>8M0004018</b>
16.25	26	48-8M0004047	48-8M0004048
16	26	48- <b>8M0004077</b>	48-8M0004078
15.75	26	48-8M0004107	48-8M0004108
15.5	26	48-8M0004137	48-8M0004138
15.25	26	48-8M0004167	48-8M0004168
15	26	48-8M0004197	48-8M0004198
18	27	48-8M0003839	48-8M0003840
17.75	27	48-8M0003869	48- <b>8M0003870</b>
17.5	27	48-8M0003899	48- <b>8M</b> 000 <b>39</b> 00
17.25	27	48-8M0003929	48- <b>8M0003930</b>
17	27	48-8M0003959	48-8M0003960
16.75	27	48- <b>8M0003989</b>	48- <b>8M0003990</b>
16.5	27	48-8M0004019	48-8M0004020
16.25	27	48- <b>8M0004049</b>	48- <b>8M0004050</b>
16	27	48- <b>8M0004079</b>	48- <b>8M0004080</b>
15.75	27	48-8M0004109	48-8M0004110
15.5	27	48-8M0004139	48-8M0004140
15.25	27	48-8M0004169	48-8M0004170
15	27	48-8M0004199	48-8M0004200
18	28	48-8M0003841	48-8M0003842
17.75	28	48-8M0003871	48-8M0003872
17.5	28	48-8M0003901	48-8M0003902
17.25	28	48- <b>8M0003931</b>	48-8M0003932
17	28	48- <b>8M0003961</b>	48-8M0003962
16.75	28	48- <b>8M0003991</b>	48-8M0003992
16.5	28	48- <b>8M0004021</b>	48-8M0004022
16.25	28	48-8M0004051	48-8M0004052
16	28	48-8M0004081	48-8M0004082
15.75	28	48-8M0004111	48-8M0004112
15.5	28	48-8M0004141	48-8M0004142
15.25	28	48-8M0004171	48-8M0004172
15	28	48- <b>8M0004201</b>	48-8M0004202
18	29	48-8M0003843	48-8M0003844
17.75	29	48-8M0003873	48-8M0003874
17.5	29	48- <b>8M0003903</b>	48-8M0003904
17.25	29	48- <b>8M0003933</b>	48-8M0003934
17	29	48- <b>8M0003963</b>	48-8M0003964
16.75	29	48- <b>8M0003993</b>	48-8M0003994
16.5	29	48- <b>8M0004023</b>	48- <b>8M0004024</b>
16.25	29	48-8M0004053	48- <b>8M0004054</b>
16	29	48-8M0004083	48- <b>8M0004084</b>
15.75	29	48-8M0004113	48-8M0004114

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.5	29	48-8M0004143	48-8M0004144
15.25	29	48-8M0004173	48-8M0004174
15	29	48-8M0004203	48-8M0004204
18	30	48-8M0003845	48-8M0003846
17.75	30	48-8M0003875	48-8M0003876
17.5	30	48-8M0003905	48-8M0003906
17.25	30	48-8M0003935	48-8M0003936
17	30	48-8M0003965	48-8M0003966
16.75	30	48-8M0003995	48-8M0003996
16.5	30	48-8M0004025	48-8M0004026
16.25	30	48-8M0004055	48-8M0004056
16	30	48-8M0004085	48-8M0004086
15.75	30	48-8M0004115	48-8M0004116
15.5	30	48-8M0004145	48-8M0004146
15.25	30	48-8M0004175	48-8M0004176
15	30	48-8M0004205	48-8M0004206
18	31	48-8M0003847	48-8M0003848
17.75	31	48-8M0003877	48-8M0003878
17.5	31	48-8M0003907	48-8M0003908
17.25	31	48-8M0003937	48-8M0003938
17	31	48-8M0003967	48-8M0003968
16.75	31	48-8M0003997	48-8M0003998
16.5	31	48-8M0004027	48-8M0004028
16.25	31	48-8M0004057	48-8M0004058
16	31	48-8M0004087	48-8M0004088
15.75	31	48-8M0004117	48-8M0004118
15.5	31	48-8M0004117	48-8M0004118
15.25	31	48-8M0004177	48-8M0004178
15	31	48-8M0004177	48-8M0004176
18	32	48-8M0003849	48-8M0003850
17.75	32	48-8M0003879	48-8M0003880
17.5	32	48-8M0003909	48-8M0003910
17.25	32	48-8M0003939	48-8M0003940
17	32	48-8M0003969	48-8M0003970
16.75	32	48-8M0003999	48-8M0004000
16.5	32	48-8M0004029	48-8M0004030
16.25	32	48-8M0004059	48-8M0004060
16	32	48-8M0004089	48-8M0004090
15.75	32	48-8M0004119	48-8M0004120
15.5	32	48-8M0004149	48-8M0004150
15.25	32	48-8M0004179	48-8M0004180
15	32	48-8M0004209	48-8M0004210
18	33	48-8M0003851	48-8M0003852
17.75	33	48-8M0003881	48-8M0003882
17.5	33	48-8M0003911	48-8M0003912
17.25	33	48-8M0003941	48-8M0003942
17	33	48-8M0003971	48-8M0003972
16.75	33	48-8M0004001	48-8M0004002
16.5	33	48-8M0004031	48-8M0004032
16.25	33	48-8M0004061	48-8M0004062
16	33	48-8M0004091	48-8M0004092
15.75	33	48-8M0004121	48-8M0004122
15.75	33	48-8M0004151	48-8M0004152
15.25	33	48-8M0004181	48-8M0004182
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Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15	33	48-8M0004211	48-8M0004212
18	34	48-8M0003853	48-8M0003854
17.75	34	48-8M0003883	48-8M0003884
17.5	34	48-8M0003913	48-8M0003914
17.25	34	48-8M0003943	48-8M0003944
17	34	48-8M0003973	48-8M0003974
16.75	34	48-8M0004003	48-8M0004004
16.5	34	48-8M0004033	48-8M0004034
16.25	34	48-8M0004063	48-8M0004064
16	34	48-8M0004093	48-8M0004094
15.75	34	48-8M0004123	48-8M0004124
15.5	34	48-8M0004153	48-8M0004154
15.25	34	48-8M0004183	48-8M0004184
15	34	48-8M0004103	48-8M0004214
18	35	48-8M0003855	48-8M0003856
17.75	35	48-8M0003885	48-8M0003886
17.5	35	48-8M0003915	48-8M0003916
17.25	35	48-8M0003945	48-8M0003946
17	35	48-8M0003945	48-8M0003946
16.75	35	48-8M0004005	48-8M0004006
16.5	35	48-8M0004005	48-8M0004036
16.25	35	48-8M0004055	48-8M0004066
16	35		48-8M0004096
		48-8M0004095	
15.75	35	48-8M0004125	48-8M0004126
15.5	35	48-8M0004155	48-8M0004156
15.25	35	48-8M0004185	48-8M0004186
15	35	48-8M0004215	48-8M0004216
18	36	48-8M0003857	48-8M0003858
17.75	36	48-8M0003887	48-8M0003888
17.5	36	48-8M0003917	48-8M0003918
17.25	36	48-8M0003947	48-8M0003948
17	36	48-8M0003977	48-8M0003978
16.75	36	48-8M0004007	48-8M0004008
16.5	36	48-8M0004037	48-8M0004038
16.25	36	48-8M0004067	48-8M0004068
16	36	48-8M0004097	48-8M0004098
15.75	36	48-8M0004127	48-8M0004128
15.5	36	48-8M0004157	48-8M0004158
15.25	36	48-8M0004187	48-8M0004188
15	36	48-8M0004217	48-8M0004218
18	37	48- <b>8M0003859</b>	48-8M0003860
17.75	37	48-8M0003889	48-8M0003890
17.5	37	48-8M0003919	48-8M0003920
17.25	37	48-8M0003949	48-8M0003950
17	37	48- <b>8M0003979</b>	48-8M0003980
16.75	37	48-8M0004009	48-8M0004010
16.5	37	48-8M0004039	48-8M0004040
16.25	37	48-8M0004069	48- <b>8M</b> 000 <b>4</b> 070
16	37	48-8M0004099	48-8M0004100
15.75	37	48-8M0004129	48-8M0004130
15.5	37	48- <b>8M</b> 0004159	48- <b>8M0004160</b>
15.25	37	48-8M0004189	48-8M0004190
15	37	48-8M0004219	48- <b>8M0004220</b>
18	38	48-8M0003861	48-8M0003862

Diameter (Inches)   21th				
17.5 38 46.8M0003921 46.8M0003922 17.25 38 46.8M0003951 46.8M0003952 17 38 46.8M0003981 46.8M0003982 16.75 38 46.8M0004011 46.8M0004012 16.5 38 46.8M0004011 46.8M000402 16.25 38 46.8M0004071 46.8M0004072 16 38 46.8M0004011 46.8M0004072 16 38 46.8M0004101 46.8M0004072 16 38 46.8M0004101 46.8M0004102 15.75 38 46.8M0004131 46.8M0004132 15.5 38 46.8M0004161 46.8M0004162 15.25 38 46.8M0004191 46.8M0004162 15.25 38 46.8M0004191 46.8M0004192 15 38 46.8M000421 46.8M0003864 17.75 39 46.8M0003863 46.8M0003864 17.75 39 46.8M0003923 46.8M0003894 17.5 39 46.8M0003923 46.8M0003924 17.25 39 46.8M000393 46.8M0003944 16.5 39 46.8M000393 46.8M0003984 16.75 39 46.8M000393 46.8M0003964 16.5 39 46.8M0004013 46.8M0003964 16.5 39 46.8M0004013 46.8M0004014 16.5 39 46.8M0004038 46.8M0004014 16.75 39 46.8M0004038 46.8M0004014 16.75 39 46.8M0004038 46.8M0004014 16.5 39 46.8M0004038 46.8M0004016 16.5 40 46.8M0003895 46.8M0004194 15.75 40 46.8M000395 46.8M0003966 17.75 40 46.8M000395 46.8M0003966 17.75 40 46.8M000395 46.8M0003966 17.5 40 46.8M000395 46.8M0003966 17.5 40 46.8M000395 46.8M0003966 17.5 40 46.8M000395 46.8M0003966 17.5 40 46.8M000395 46.8M0003966 16.5 40 46.8M000395 46.8M0003966	Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17.25 38 48.8M0003951 48.8M0003952 16.75 38 46.8M0003981 48.8M0004012 16.5 38 46.8M0004011 48.8M0004012 16.5 38 46.8M0004071 48.8M0004072 16 38 46.8M0004071 48.8M0004072 16 38 48.8M0004101 48.8M0004102 15.75 38 48.8M0004131 48.8M0004132 15.5 38 48.8M0004161 48.8M0004162 15.25 38 48.8M0004161 48.8M0004162 15.25 38 48.8M0004191 48.8M0004192 15 38 48.8M0004191 48.8M0004192 15 38 48.8M000421 48.8M0004222 18 39 48.8M0003863 48.8M0003864 17.75 39 48.8M0003893 48.8M0003894 17.5 39 48.8M0003923 48.8M0003924 17.25 39 46.8M0003953 48.8M0003954 17 39 46.8M0003953 48.8M0003954 16.75 39 46.8M0003983 48.8M0003984 16.75 39 46.8M0003983 48.8M0003984 16.55 39 48.8M0004013 48.8M0004014 16.5 39 48.8M0004013 48.8M0004014 16.75 39 48.8M0004013 48.8M0004014 16.75 39 48.8M000403 48.8M0004014 16.5 39 48.8M000403 48.8M0004044 16.25 39 48.8M000403 48.8M0004044 16.25 40 48.8M0003895 48.8M0004104 15.75 40 48.8M000395 48.8M0004104 16.5 40 48.8M000395 48.8M000396 17.25 40 48.8M000395 48.8M000396 17.5 40 48.8M000395 48.8M000396 17.5 40 48.8M000395 48.8M0004106 16.5 40 48.8M000395 48.8M0004166 16.5 40 48.8M000415 48.8M0004166				
17         38         46-8M0003981         48-8M0004012           16.75         38         46-8M0004011         48-8M0004012           16.5         38         46-8M0004071         48-8M0004072           16         38         46-8M0004071         48-8M0004102           15.75         38         46-8M0004131         48-8M0004162           15.5         38         46-8M0004161         48-8M0004162           15.5         38         46-8M0004191         48-8M0004192           15         38         46-8M0004221         48-8M0004192           15         38         48-8M0003863         48-8M0003864           17.75         39         48-8M0003893         48-8M0003864           17.75         39         48-8M0003893         48-8M0003894           17.5         39         48-8M0003893         48-8M0003894           17.5         39         48-8M0003893         48-8M0003894           17         39         48-8M0003893         48-8M0003984           16.75         39         48-8M0003893         48-8M000414           16.5         39         48-8M000413         48-8M000414           16.5         39         48-8M000413         48-8M000414 <td></td> <td></td> <td></td> <td></td>				
16.75 38 48.8M0004011 48.8M0004012 16.5 38 48.8M0004041 48.8M000402 16.25 38 48.8M0004071 48.8M0004072 16 38 48.8M0004101 48.8M0004102 15.75 38 48.8M0004131 48.8M0004132 15.5 38 48.8M0004161 48.8M0004162 15.25 38 48.8M0004191 48.8M0004192 15 38 48.8M0004191 48.8M0004192 15 38 48.8M0004221 48.8M0004222 18 39 48.8M0003863 48.8M0003864 17.75 39 48.8M0003893 48.8M0003894 17.5 39 48.8M000393 48.8M0003924 17.25 39 48.8M000393 48.8M0003944 16.75 39 48.8M000393 48.8M0003944 16.5 39 48.8M000393 48.8M0003944 16.5 39 48.8M0004013 48.8M0003944 16.5 39 48.8M0004013 48.8M0004044 16.25 39 48.8M0004013 48.8M0004044 16.25 39 48.8M0004013 48.8M0004044 16.25 39 48.8M0004013 48.8M0004044 16.25 39 48.8M0004043 48.8M0004044 16.25 39 48.8M0004043 48.8M0004044 16.25 39 48.8M0004013 48.8M0004044 16.25 39 48.8M0004043 48.8M0004044 16.75 39 48.8M0004043 48.8M0004044 16.75 39 48.8M0004043 48.8M0004044 16.5 48.8M0004053 48.8M0004104 15.75 40 48.8M0004103 48.8M0004104 15.75 40 48.8M0004193 48.8M0004194 15 48.8M0004193 48.8M0004194 16 48.8M0003955 48.8M0003966 17.75 40 48.8M0003955 48.8M0003966 16.75 40 48.8M0003955 48.8M0003966 16.75 40 48.8M0004055 48.8M0003966 16.75 40 48.8M0004055 48.8M0003966 16.75 40 48.8M0004055 48.8M0004066 16.25 40 48.8M0004155 48.8M0004166 16.5 40 48.8M0004155 48.8M0004166	17.25	38	48- <b>8M</b> 0003951	48-8M0003952
16.5 38 48.8M0004041 48.8M000402 16.25 38 48.8M0004071 48.8M0004072 16 38 48.8M0004101 48.8M0004102 15.75 38 48.8M0004131 48.8M0004132 15.5 38 48.8M0004161 48.8M0004162 15.25 38 48.8M0004191 48.8M0004192 15 38 48.8M0004221 48.8M0004222 18 39 48.8M0003863 48.8M0004222 18 39 48.8M0003893 48.8M0003894 17.75 39 48.8M0003923 48.8M0003924 17.25 39 48.8M0003933 48.8M0003924 17.25 39 48.8M0003933 48.8M000394 16.75 39 48.8M0003933 48.8M000394 16.75 39 48.8M000394 48.8M000394 16.55 39 48.8M0004013 48.8M000394 16.55 39 48.8M0004013 48.8M000404 16.25 39 48.8M0004013 48.8M000404 16.25 39 48.8M0004013 48.8M000404 16.25 39 48.8M0004013 48.8M0004044 16.25 39 48.8M0004013 48.8M0004044 16.75 39 48.8M0004013 48.8M0004044 16.75 39 48.8M000403 48.8M0004044 16.55 39 48.8M000403 48.8M0004046 16.75 40 48.8M0003895 48.8M0004194 15.75 40 48.8M0003895 48.8M0003896 17.75 40 48.8M0003895 48.8M0003896 17.75 40 48.8M0003955 48.8M0003966 16.75 40 48.8M0003955 48.8M0003966 16.55 40 48.8M0003955 48.8M0004166 16.55 40 48.8M0004155 48.8M0004166 15.75 40 48.8M0004155 48.8M0004166 15.75 40 48.8M0004155 48.8M0004166	17	38	48-8M0003981	48-8M0003982
16.25         38         48.8M0004071         48.8M0004102           16         38         48.8M0004101         48.8M0004102           15.75         38         48.8M0004131         48.8M0004132           15.5         38         48.8M0004161         48.8M0004162           15.25         38         48.8M0004191         48.8M0004192           15         38         48.8M0003863         48.8M0004222           18         39         48.8M0003863         48.8M0003864           17.75         39         48.8M0003923         48.8M0003924           17.5         39         48.8M0003923         48.8M0003924           17.25         39         48.8M0003953         48.8M0003924           17.75         39         48.8M0003923         48.8M0003924           16.75         39         48.8M0004013         48.8M0003924           16.75         39         48.8M0004013         48.8M0004044           16.5         39         48.8M0004043         48.8M0004044           16.25         39         48.8M0004043         48.8M0004044           15.75         39         48.8M0004133         48.8M0004104           15.75         39         48.8M0004133         48.8M00041	16.75	38	48-8M0004011	48-8M0004012
16         38         48-8M0004101         48-8M0004102           15.75         38         48-8M0004131         48-8M0004132           15.5         38         48-8M0004161         48-8M0004162           15.25         38         48-8M0004191         48-8M0004192           15         38         48-8M0004221         48-8M0004222           18         39         48-8M0003863         48-8M0003864           17.75         39         48-8M0003993         48-8M0003994           17.5         39         48-8M0003923         48-8M0003924           17.25         39         48-8M0003963         48-8M0003954           17         39         48-8M0003963         48-8M0003964           16.75         39         48-8M0003983         48-8M0003964           16.5         39         48-8M0004013         48-8M0003984           16.5         39         48-8M0004013         48-8M0004044           16.5         39         48-8M0004073         48-8M0004044           16.25         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004133         48-8M0004104           15.5         39         48-8M0004163         48-8M0004194 <td>16.5</td> <td>38</td> <td>48-8M0004041</td> <td>48-8M0004042</td>	16.5	38	48-8M0004041	48-8M0004042
15.75         38         48-8M0004131         48-8M0004132           15.5         38         48-8M0004161         48-8M0004162           15.25         38         48-8M0004191         48-8M0004192           15         38         48-8M0004221         48-8M0004222           18         39         48-8M0003863         48-8M0003864           17.75         39         48-8M0003893         48-8M0003894           17.5         39         48-8M0003923         48-8M0003954           17         39         48-8M0003953         48-8M0003954           17         39         48-8M0003983         48-8M0003954           16.75         39         48-8M0003983         48-8M0003984           16.75         39         48-8M0004013         48-8M0004014           16.5         39         48-8M000403         48-8M0004044           16.25         39         48-8M0004103         48-8M0004044           15.75         39         48-8M0004103         48-8M0004104           15.55         39         48-8M0004133         48-8M0004134           15.5         39         48-8M0004193         48-8M0004194           15         39         48-8M0004193         48-8M0004194	16.25	38	48-8M0004071	48-8M0004072
15.5         38         48-8M0004161         48-8M0004162           15.25         38         48-8M0004191         48-8M0004192           15         38         48-8M0004221         48-8M0004222           18         39         48-8M0003863         48-8M0003864           17.75         39         48-8M0003933         48-8M0003994           17.5         39         48-8M0003923         48-8M0003924           17.25         39         48-8M0003953         48-8M0003954           17         39         48-8M0003983         48-8M0003954           17         39         48-8M0003983         48-8M0003984           16.75         39         48-8M000413         48-8M0004014           16.5         39         48-8M0004043         48-8M0004044           16.25         39         48-8M0004103         48-8M0004044           15.75         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004163         48-8M0004104           15.25         39         48-8M0004163         48-8M0004164           15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M0004193         48-8M0004194	16	38	48-8M0004101	48-8M0004102
15.25         38         48-8M0004191         48-8M0004192           15         38         48-8M0003863         48-8M0003864           17.75         39         48-8M0003893         48-8M0003894           17.5         39         48-8M0003923         48-8M0003924           17.25         39         48-8M0003953         48-8M0003954           17         39         48-8M0003983         48-8M0003984           16.75         39         48-8M0004013         48-8M0004014           16.5         39         48-8M000403         48-8M000404           16.25         39         48-8M000403         48-8M000404           16.25         39         48-8M0004103         48-8M000404           15.75         39         48-8M0004103         48-8M0004104           15.55         39         48-8M0004133         48-8M0004104           15.55         39         48-8M0004103         48-8M0004104           15.25         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004103         48-8M0004104           15.5         39         48-8M0004103         48-8M0004104           15.5         39         48-8M0004103         48-8M00004104	15.75	38	48-8M0004131	48-8M0004132
15         38         48-8M0004221         48-8M0003863         48-8M0003864           17.75         39         48-8M0003893         48-8M0003894           17.5         39         48-8M0003923         48-8M0003924           17.25         39         48-8M0003953         48-8M0003954           17         39         48-8M0003983         48-8M0003984           16.75         39         48-8M0004013         48-8M0004014           16.5         39         48-8M0004073         48-8M0004074           16         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004133         48-8M0004104           15.75         39         48-8M0004163         48-8M0004104           15.5         39         48-8M0004193         48-8M0004104           15         39         48-8M0004193         48-8M0004194           15         39         48-8M0004193         48-8M0003866           17.75         40         48-8M0003895         48-8M0003866           17.25         40         48-8M000456	15.5	38	48-8M0004161	48-8M0004162
18         39         48-8M0003863         48-8M0003864           17.75         39         48-8M0003893         48-8M0003894           17.5         39         48-8M0003923         48-8M0003924           17.25         39         48-8M0003983         48-8M0003954           17         39         48-8M0003983         48-8M0003984           16.75         39         48-8M0004013         48-8M0004014           16.5         39         48-8M0004073         48-8M0004074           16         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004103         48-8M0004104           15.5         39         48-8M0004103         48-8M0004104           15         39         48-8M0004193         48-8M0004104           15         39         48-8M00004223         48-8M00003866	15.25	38	48-8M0004191	48-8M0004192
17.75         39         48-8M0003893         48-8M0003894           17.5         39         48-8M0003923         48-8M0003924           17.25         39         48-8M0003953         48-8M0003954           17         39         48-8M0003983         48-8M0003984           16.75         39         48-8M0004013         48-8M0004014           16.5         39         48-8M000403         48-8M0004044           16.25         39         48-8M0004073         48-8M0004074           16         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004133         48-8M0004134           15.5         39         48-8M0004163         48-8M0004164           15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M000423         48-8M0004194           15         39         48-8M000385         48-8M0003866           17.75         40         48-8M0003895         48-8M0003896           17.5         40         48-8M0003925         48-8M0003926           17         40         48-8M0004075         48-8M0003986           16         40         48-8M0004075         48-8M0004076     <	15	38	48-8M0004221	48-8M0004222
17.5         39         48-8M0003923         48-8M0003924           17.25         39         48-8M0003983         48-8M0003984           16.75         39         48-8M0004013         48-8M0004014           16.5         39         48-8M0004043         48-8M0004044           16.25         39         48-8M0004073         48-8M0004074           16         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004133         48-8M0004134           15.5         39         48-8M0004163         48-8M0004164           15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M0004223         48-8M0004194           15         39         48-8M0003865         48-8M0003866           17.75         40         48-8M0003895         48-8M0003896           17.5         40         48-8M0003925         48-8M0003926           17         40         48-8M0003925         48-8M0003926           17         40         48-8M000415         48-8M0003986           16         40         48-8M000415         48-8M000406           16.5         40         48-8M000415         48-8M0004166 <td>18</td> <td>39</td> <td>48-8M0003863</td> <td>48-8M0003864</td>	18	39	48-8M0003863	48-8M0003864
17.25         39         48-8M0003953         48-8M0003954           17         39         48-8M0003983         48-8M0003984           16.75         39         48-8M0004013         48-8M0004014           16.5         39         48-8M0004073         48-8M0004074           16         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004133         48-8M0004134           15.5         39         48-8M0004163         48-8M0004164           15.5         39         48-8M0004193         48-8M0004194           15         39         48-8M0003865         48-8M0003866           17.75         40         48-8M0003865         48-8M0003866           17.75         40         48-8M0003925         48-8M0003926           17.5         40         48-8M0003955         48-8M0003966           17         40         48-8M0003955         48-8M0003966           17         40         48-8M0004105         48-8M0003966           16         40         48-8M000415         48-8M000416           16.5         40         48-8M000415         48-8M000416           16.5         40         48-8M000415         48-8M0004166	17.75	39	48-8M0003893	48-8M0003894
17 39 48-8M0003983 48-8M0003984 16.75 39 48-8M0004013 48-8M0004014 16.5 39 48-8M0004073 48-8M0004074 16 39 48-8M0004103 48-8M0004104 15.75 39 48-8M0004103 48-8M0004104 15.55 39 48-8M0004133 48-8M0004134 15.5 39 48-8M0004163 48-8M0004164 15.25 39 48-8M0004193 48-8M0004194 15 39 48-8M0004193 48-8M0004194 15 39 48-8M0004223 48-8M0004194 15 39 48-8M0004223 48-8M0004224 18 40 48-8M0003865 48-8M0003866 17.75 40 48-8M0003895 48-8M0003896 17.5 40 48-8M0003925 48-8M0003926 17.25 40 48-8M0003925 48-8M0003926 17 40 48-8M0003955 48-8M0003966 16.75 40 48-8M0003955 48-8M0003966 16.75 40 48-8M0003955 48-8M0003966 16.55 40 48-8M000415 48-8M000416 16.5 40 48-8M000405 48-8M000406 16.55 40 48-8M000405 48-8M000406 16.55 40 48-8M000405 48-8M000406 16.55 40 48-8M000415 48-8M0004166 15.75 40 48-8M0004135 48-8M0004136 15.55 40 48-8M0004135 48-8M0004136 15.55 40 48-8M0004195 48-8M0004166 15.25 40 48-8M0004195 48-8M0004166	17.5	39	48-8M0003923	48-8M0003924
16.75         39         48-8M0004013         48-8M0004014           16.5         39         48-8M000403         48-8M0004044           16.25         39         48-8M0004073         48-8M0004074           16         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004133         48-8M0004134           15.5         39         48-8M0004163         48-8M0004164           15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M0003865         48-8M0003866           17.75         40         48-8M0003895         48-8M0003896           17.5         40         48-8M0003925         48-8M0003926           17.25         40         48-8M0003955         48-8M0003956           17         40         48-8M0004015         48-8M0003966           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M000405         48-8M000406           16.25         40         48-8M000415         48-8M0004166           15.75         40         48-8M000415         48-8M0004166           15.75         40         48-8M0004105         48-8M0004166 <td>17.25</td> <td>39</td> <td>48-8M0003953</td> <td>48-8M0003954</td>	17.25	39	48-8M0003953	48-8M0003954
16.5         39         48-8M0004043         48-8M0004044           16.25         39         48-8M0004073         48-8M0004074           16         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004133         48-8M0004134           15.5         39         48-8M0004163         48-8M0004164           15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M0003865         48-8M0003866           18         40         48-8M0003865         48-8M0003866           17.75         40         48-8M0003895         48-8M0003896           17.5         40         48-8M0003925         48-8M0003926           17.25         40         48-8M0003955         48-8M0003956           17         40         48-8M0003955         48-8M0003966           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M0004015         48-8M0004046           16.25         40         48-8M000415         48-8M0004066           15.75         40         48-8M0004105         48-8M0004106           15.55         40         48-8M0004105         48-8M0004106 <td>17</td> <td>39</td> <td>48-<b>8M0003983</b></td> <td>48-8M0003984</td>	17	39	48- <b>8M0003983</b>	48-8M0003984
16.25         39         48-8M0004073         48-8M0004074           16         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004133         48-8M0004134           15.5         39         48-8M0004163         48-8M0004164           15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M000323         48-8M0003866           18         40         48-8M0003865         48-8M0003866           17.75         40         48-8M0003925         48-8M0003926           17.25         40         48-8M0003925         48-8M0003926           17         40         48-8M0003955         48-8M0003956           17         40         48-8M0004015         48-8M0003986           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M000405         48-8M000406           16.25         40         48-8M000415         48-8M0004106           15.75         40         48-8M0004105         48-8M0004106           15.75         40         48-8M0004105         48-8M0004106           15.55         40         48-8M0004105         48-8M0004106	16.75	39	48-8M0004013	48-8M0004014
16         39         48-8M0004103         48-8M0004104           15.75         39         48-8M0004133         48-8M0004134           15.5         39         48-8M0004163         48-8M0004164           15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M0004223         48-8M0003224           18         40         48-8M0003865         48-8M0003866           17.75         40         48-8M0003925         48-8M0003926           17.25         40         48-8M0003925         48-8M0003926           17         40         48-8M0003955         48-8M0003956           17         40         48-8M0003985         48-8M0003986           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M000405         48-8M000406           16.25         40         48-8M000415         48-8M000406           16         40         48-8M0004105         48-8M0004106           15.75         40         48-8M0004105         48-8M0004106           15.5         40         48-8M0004105         48-8M0004106           15.5         40         48-8M0004105         48-8M0004106 </td <td>16.5</td> <td>39</td> <td>48-8M0004043</td> <td>48-8M0004044</td>	16.5	39	48-8M0004043	48-8M0004044
15.75         39         48-8M0004133         48-8M0004134           15.5         39         48-8M0004163         48-8M0004164           15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M0003823         48-8M0003866           18         40         48-8M0003865         48-8M0003866           17.75         40         48-8M0003895         48-8M000396           17.5         40         48-8M0003925         48-8M0003926           17         40         48-8M0003955         48-8M0003956           17         40         48-8M0003985         48-8M0003986           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M0004045         48-8M0004046           16.25         40         48-8M0004075         48-8M0004076           16         40         48-8M0004105         48-8M0004106           15.75         40         48-8M0004135         48-8M0004136           15.5         40         48-8M0004105         48-8M0004106           15.5         40         48-8M0004105         48-8M0004106	16.25	39	48-8M0004073	48-8M0004074
15.5         39         48-8M0004163         48-8M0004164           15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M0003865         48-8M0003866           17.75         40         48-8M0003895         48-8M0003896           17.5         40         48-8M0003925         48-8M0003926           17.25         40         48-8M0003955         48-8M0003956           17         40         48-8M0003985         48-8M0003986           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M0004045         48-8M0004046           16.25         40         48-8M000405         48-8M0004076           16         40         48-8M0004105         48-8M0004106           15.75         40         48-8M0004135         48-8M0004136           15.5         40         48-8M0004165         48-8M0004166           15.5         40         48-8M0004195         48-8M0004196	16	39	48-8M0004103	48-8M0004104
15.25         39         48-8M0004193         48-8M0004194           15         39         48-8M0004223         48-8M0003224           18         40         48-8M0003865         48-8M0003866           17.75         40         48-8M0003895         48-8M0003926           17.5         40         48-8M0003925         48-8M0003926           17         40         48-8M0003955         48-8M0003956           17         40         48-8M0003985         48-8M0003986           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M000405         48-8M0004046           16.25         40         48-8M0004105         48-8M0004106           15.75         40         48-8M0004135         48-8M0004136           15.5         40         48-8M0004135         48-8M0004166           15.55         40         48-8M0004195         48-8M0004166           15.25         40         48-8M0004195         48-8M0004196	15.75	39	48-8M0004133	48-8M0004134
15         39         48-8M0004223         48-8M0004224           18         40         48-8M0003865         48-8M0003866           17.75         40         48-8M0003895         48-8M000396           17.5         40         48-8M0003925         48-8M0003926           17.25         40         48-8M0003955         48-8M0003956           17         40         48-8M0003985         48-8M0003986           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M000405         48-8M0004046           16.25         40         48-8M0004105         48-8M0004106           15.75         40         48-8M0004135         48-8M0004136           15.5         40         48-8M0004135         48-8M0004166           15.5         40         48-8M0004195         48-8M0004166           15.25         40         48-8M0004195         48-8M0004196	15.5	39	48-8M0004163	48-8M0004164
18         40         48-8M0003865         48-8M0003866           17.75         40         48-8M0003895         48-8M0003896           17.5         40         48-8M0003925         48-8M0003926           17.25         40         48-8M0003955         48-8M0003956           17         40         48-8M0003985         48-8M0003986           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M000405         48-8M0004046           16.25         40         48-8M0004075         48-8M0004076           16         40         48-8M0004105         48-8M0004106           15.75         40         48-8M0004135         48-8M0004136           15.5         40         48-8M0004165         48-8M0004166           15.25         40         48-8M0004195         48-8M0004196	15.25	39	48-8M0004193	48-8M0004194
17.75         40         48-8M0003895         48-8M0003896           17.5         40         48-8M0003925         48-8M0003926           17.25         40         48-8M0003955         48-8M0003956           17         40         48-8M0003985         48-8M0003986           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M000405         48-8M0004046           16.25         40         48-8M000475         48-8M0004076           16         40         48-8M0004105         48-8M0004106           15.75         40         48-8M0004135         48-8M0004136           15.5         40         48-8M0004165         48-8M0004166           15.25         40         48-8M0004195         48-8M0004196	15	39	48- <b>8M0004223</b>	48-8M0004224
17.5     40     48-8M0003925     48-8M0003926       17.25     40     48-8M0003955     48-8M0003956       17     40     48-8M0003985     48-8M0003986       16.75     40     48-8M0004015     48-8M0004016       16.5     40     48-8M000405     48-8M0004046       16.25     40     48-8M0004075     48-8M0004076       16     40     48-8M0004105     48-8M0004106       15.75     40     48-8M0004135     48-8M0004136       15.5     40     48-8M0004165     48-8M0004166       15.25     40     48-8M0004195     48-8M0004196	18	40	48-8M0003865	48-8M0003866
17.25         40         48-8M0003955         48-8M0003956           17         40         48-8M0003985         48-8M0003986           16.75         40         48-8M0004015         48-8M0004016           16.5         40         48-8M0004045         48-8M0004046           16.25         40         48-8M0004075         48-8M0004076           16         40         48-8M0004105         48-8M0004106           15.75         40         48-8M0004135         48-8M0004136           15.5         40         48-8M0004165         48-8M0004166           15.25         40         48-8M0004195         48-8M0004196	17.75	40	48-8M0003895	48-8M0003896
17     40     48-8M0003985     48-8M0003986       16.75     40     48-8M0004015     48-8M0004016       16.5     40     48-8M0004045     48-8M0004046       16.25     40     48-8M0004075     48-8M0004076       16     40     48-8M0004105     48-8M0004106       15.75     40     48-8M0004135     48-8M0004136       15.5     40     48-8M0004165     48-8M0004166       15.25     40     48-8M0004195     48-8M0004196	17.5	40	48-8M0003925	48-8M0003926
16.75     40     48-8M0004015     48-8M0004016       16.5     40     48-8M0004045     48-8M0004046       16.25     40     48-8M0004075     48-8M0004076       16     40     48-8M0004105     48-8M0004106       15.75     40     48-8M0004135     48-8M0004136       15.5     40     48-8M0004165     48-8M0004166       15.25     40     48-8M0004195     48-8M0004196	17.25	40	48-8M0003955	48-8M0003956
16.5     40     48-8M0004045     48-8M0004046       16.25     40     48-8M0004075     48-8M0004076       16     40     48-8M0004105     48-8M0004106       15.75     40     48-8M0004135     48-8M0004136       15.5     40     48-8M0004165     48-8M0004196       15.25     40     48-8M0004195     48-8M0004196	17	40	48-8M0003985	48-8M0003986
16.25     40     48-8M0004075     48-8M0004076       16     40     48-8M0004105     48-8M0004106       15.75     40     48-8M0004135     48-8M0004136       15.5     40     48-8M0004165     48-8M0004166       15.25     40     48-8M0004195     48-8M0004196	16.75	40	48-8M0004015	48-8M0004016
16     40     48-8M0004105     48-8M0004106       15.75     40     48-8M0004135     48-8M0004136       15.5     40     48-8M0004165     48-8M0004166       15.25     40     48-8M0004195     48-8M0004196	16.5	40	48-8M0004045	48-8M0004046
15.75     40     48-8M0004135     48-8M0004136       15.5     40     48-8M0004165     48-8M0004166       15.25     40     48-8M0004195     48-8M0004196	16.25	40	48- <b>8M</b> 000 <b>4</b> 075	48-8M0004076
15.5 40 48-8M0004165 48-8M0004166 15.25 40 48-8M0004195 48-8M0004196	16	40	48-8M0004105	48-8M0004106
15.5 40 48-8M0004165 48-8M0004166 15.25 40 48-8M0004195 48-8M0004196	15.75	40	48-8M0004135	48-8M0004136
15.25 40 48-8M0004195 48-8M0004196				
			48-8M0004225	

# CNC Cleaver, Heat Treated SS 6 Blade, 15 Degree Rake - 600 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
14.75	25	48-8M0064647	
14.5	25	48-8M0064815	48-8M0064816
18	26	48- <b>8M0005007</b>	48- <b>8M0005008</b>
17.75	26	48-8M0005037	48-8M0005038
17.5	26	48-8M0005067	48- <b>8M0005068</b>
17.25	26	48-8M0005097	48- <b>8M0005098</b>
17	26	48-8M0005127	48-8M0005128
16.75	26	48-8M0005157	48-8M0005158
16.5	26	48- <b>8M0005187</b>	48- <b>8M0005188</b>

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.25	26	48-8M0005217	48-8M0005218
16	26	48-8M0005247	48-8M0005248
15.75	26	48- <b>8M0005277</b>	48-8M0005278
15.5	26	48-8M0005307	48-8M0005308
15.25	26	48-8M0005337	48-8M0005338
15	26	48-8M0005367	48-8M0005368
14.75	26	48- <b>8M0062239</b>	48-8M0062240
14.5	26	48- <b>8</b> M0076407	48- <b>8M0076406</b>
18	27	48- <b>8</b> M0005009	48- <b>8M0005010</b>
17.75	27	48- <b>8</b> M0005039	48- <b>8M</b> 0005040
17.5	27	48- <b>8M</b> 0005069	48- <b>8M0005070</b>
17.25	27	48- <b>8</b> M0005099	48-8M0005100
17	27	48-8M0005129	48-8M0005130
16.75	27	48- <b>8</b> M0005159	48- <b>8M</b> 0005160
16.5	27	48-8M0005189	48- <b>8M</b> 0005190
16.25	27	48-8M0005219	48- <b>8M0005220</b>
16	27	48- <b>8</b> M0005249	48- <b>8M0005250</b>
15.75	27	48-8M0005279	48-8M0005280
15.5	27	48-8M0005309	48-8M0005310
15.25	27	48-8M0005339	48-8M0005340
15	27	48-8M0005369	48-8M0005370
14.75	27	48-8M0062421	
14.5	27	48-8M0076181	48-8M0076180
18	28	48-8M0005011	48-8M0005012
17.75	28	48-8M0005041	48-8M0005042
17.5	28	48-8M0005071	48-8M0005072
17.25	28	48-8M0005101	48-8M0005102
17	28	48-8M0005131	48-8M0005132
16.75	28	48-8M0005161	48-8M0005162
16.5	28	48-8M0005191	48-8M0005192
16.25	28	48-8M0005221	48-8M0005222
16	28	48-8M0005251	48-8M0005252
15.75	28	48-8M0005281	48-8M0005282
15.5	28	48-8M0005311	48-8M0005312
15.25	28	48-8M0005341	48-8M0005342
15	28	48-8M0005371	48-8M0005372
14.5	28		48-8M0081418
18	29	48-8M0005013	48-8M0005014
17.75	29	48-8M0005043	48-8M0005044
17.5	29	48-8M0005073	48-8M0005074
17.25	29	48-8M0005103	48-8M0005104
17	29	48-8M0005133	48-8M0005134
16.75	29	48-8M0005163	48-8M0005164
16.5	29	48-8M0005193	48-8M0005194
16.25	29	48-8M0005223	48-8M0005224
16	29	48-8M0005253	48-8M0005254
15.75	29	48-8M0005283	48-8M0005284
15.5	29	48-8M0005313	48-8M0005314
15.25	29	48-8M0005343	48-8M0005344
15	29	48-8M0005373	48-8M0005374
18	30	48-8M0005015	48- <b>8M</b> 0005016
17.75	30	48-8M0005045	48-8M0005046
17.5	30	48-8M0005075	48-8M0005076
17.25	30	48-8M0005105	48-8M0005106

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
17	30	48-8M0005135	48-8M0005136
16.75	30	48-8M0005165	48-8M0005166
16.5	30	48- <b>8M</b> 0005195	48- <b>8M</b> 0005196
16.25	30	48-8M0005225	48-8M0005226
16	30	48- <b>8M</b> 0005255	48- <b>8M</b> 000 <b>5256</b>
15.75	30	48-8M0005285	48-8M0005286
15.5	30	48-8M0005315	48-8M0005316
15.25	30	48-8M0005345	48-8M0005346
15	30	48- <b>8</b> M0005375	48- <b>8M</b> 0005376
18	31	48- <b>8</b> M0005017	48-8M0005018
17.75	31	48- <b>8</b> M0005047	48- <b>8M</b> 0005048
17.5	31	48- <b>8M</b> 0005077	48-8M0005078
17.25	31	48-8M0005107	48-8M0005108
17	31	48-8M0005137	48-8M0005138
16.75	31	48-8M0005167	48-8M0005168
16.5	31	48-8M0005197	48-8M0005198
16.25	31	48-8M0005227	48-8M0005228
16	31	48-8M0005257	48-8M0005258
15.75	31	48-8M0005287	48-8M0005288
15.5	31	48-8M0005317	48-8M0005318
15.25	31	48-8M0005347	48-8M0005348
15	31	48-8M0005377	48-8M0005378
18	32	48-8M0005019	48-8M0005020
17.75	32	48-8M0005049	48-8M0005050
17.5	32	48-8M0005079	48-8M0005080
17.25	32	48-8M0005109	48-8M0005110
17	32	48-8M0005139	48-8M0005140
16.75	32	48-8M0005169	48-8M0005170
16.5	32	48-8M0005199	48-8M0005200
16.25	32	48-8M0005229	48-8M0005230
16	32	48-8M0005259	48-8M0005260
15.75	32	48-8M0005289	48-8M0005290
15.5	32	48-8M0005319	48-8M0005320
15.25	32	48-8M0005349	48-8M0005350
15	32	48-8M0005379	48-8M0005380
18	33	48-8M0005021	48-8M0005022
17.75	33	48-8M0005051	48-8M0005052
17.75	33	48-8M0005081	48-8M0005082
17.25	33	48-8M0005111	48-8M0005112
17	33	48-8M0005141	48-8M0005142
16.75	33	48-8M0005171	48-8M0005172
16.5	33	48-8M0005201	48-8M0005202
16.25	33	48-8M0005231	48-8M0005232
16	33	48-8M0005261	48-8M0005262
15.75	33	48-8M0005291	48-8M0005292
15.5	33	48-8M0005321	48-8M0005322
15.25	33	48-8M0005351	48-8M0005352
15	33	48-8M0005381	48-8M0005382
18	34	48-8M0005023	48-8M0005024
17.75	34	48-8M0005053	48-8M0005054
17.5	34	48-8M0005083	48-8M0005084
17.25	34	48-8M0005113	48-8M0005114
17	34	48-8M0005143	48-8M0005144
16.75	34	48-8M0005173	48-8M0005174

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.5	34	48- <b>8M</b> 0005203	48-8M0005204
16.25	34	48-8M0005233	48-8M0005234
16	34	48- <b>8M</b> 0005263	48-8M0005264
15.75	34	48-8M0005293	48-8M0005294
15.5	34	48- <b>8M</b> 0005323	48-8M0005324
15.25	34	48-8M0005353	48-8M0005354
15	34	48-8M0005383	48-8M0005384
18	35	48-8M0005025	48-8M0005026
17.75	35	48- <b>8M</b> 0005055	48-8M0005056
17.5	35	48-8M0005085	48-8M0005086
17.25	35	48- <b>8M</b> 0005115	48-8M0005116
17	35	48-8M0005145	48-8M0005146
16.75	35	48- <b>8M0005175</b>	48-8M0005176
16.5	35	48- <b>8M0005205</b>	48-8M0005206
16.25	35	48- <b>8M0005235</b>	48-8M0005236
16	35	48- <b>8M0005265</b>	48-8M0005266
15.75	35	48-8M0005295	48-8M0005296
15.5	35	48- <b>8M0005325</b>	48-8M0005326
15.25	35	48- <b>8M</b> 0005355	48-8M0005356
15	35	48- <b>8M0005385</b>	48-8M0005386
18	36	48- <b>8M0005027</b>	48-8M0005028
17.75	36	48- <b>8M0005057</b>	48-8M0005058
17.5	36	48-8M0005087	48-8M0005088
17.25	36	48-8M0005117	48-8M0005118
17	36	48-8M0005147	48-8M0005148
16.75	36	48- <b>8M0005177</b>	48-8M0005178
16.5	36	48- <b>8M0005207</b>	48-8M0005208
16.25	36	48-8M0005237	48-8M0005238
16	36	48-8M0005267	48-8M0005268
15.75	36	48-8M0005297	48-8M0005298
15.5	36	48-8M0005327	48-8M0005328
15.25	36	48-8M0005357	48-8M0005358
15	36	48-8M0005387	48-8M0005388
18	37	48- <b>8M</b> 0005029	48-8M0005030
17.75	37	48-8M0005059	48-8M0005060
17.5	37	48-8M0005089	48-8M0005090
17.25	37	48-8M0005119	48-8M0005120
17	37	48-8M0005149	48-8M0005150
16.75	37	48-8M0005179	48-8M0005180
16.5	37	48-8M0005209	48-8M0005210
16.25	37	48-8M0005239	48-8M0005240
16	37	48-8M0005269	48-8M0005270
15.75	37	48-8M0005299	48-8M0005300
15.5	37	48-8M0005329	48-8M0005330
15.25	37	48-8M0005359	48-8M0005360
15	37	48-8M0005389	48-8M0005390
18	38	48-8M0005031	48-8M0005032
17.75	38	48-8M0005061	48-8M0005062
17.5	38	48-8M0005091	48-8M0005092
17.25	38	48-8M0005121	48-8M0005122
17	38	48-8M0005151	48-8M0005152
16.75	38	48-8M0005181	48-8M0005182
16.5	38	48-8M0005211	48-8M0005212
16.25	38	48-8M0005241	48-8M0005242

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16	38	48-8M0005271	48-8M0005272
15.75	38	48-8M0005301	48-8M0005302
15.5	38	48-8M0005331	48-8M0005332
15.25	38	48-8M0005361	48-8M0005362
15	38	48-8M0005391	48-8M0005392
18	39	48-8M0005033	48-8M0005034
17.75	39	48- <b>8M</b> 0005063	48-8M0005064
17.5	39	48- <b>8M0005093</b>	48-8M0005094
17.25	39	48- <b>8M0005123</b>	48-8M0005124
17	39	48- <b>8M0005153</b>	48-8M0005154
16.75	39	48- <b>8M0005183</b>	48-8M0005184
16.5	39	48- <b>8M0005213</b>	48-8M0005214
16.25	39	48- <b>8M0005243</b>	48-8M0005244
16	39	48-8M0005273	48-8M0005274
15.75	39	48- <b>8M0005303</b>	48-8M0005304
15.5	39	48-8M0005333	48-8M0005334
15.25	39	48-8M0005363	48-8M0005364
15	39	48-8M0005393	48-8M0005394
18	40	48- <b>8M0005035</b>	48-8M0005036
17.75	40	48- <b>8M0005065</b>	48-8M0005066
17.5	40	48- <b>8M0005095</b>	48-8M0005096
17.25	40	48- <b>8M0005125</b>	48-8M0005126
17	40	48- <b>8M0005155</b>	48-8M0005156
16.75	40	48- <b>8M0005185</b>	48-8M0005186
16.5	40	48- <b>8M0005215</b>	48-8M0005216
16.25	40	48- <b>8M0005245</b>	48-8M0005246
16	40	48- <b>8M0005275</b>	48-8M0005276
15.75	40	48- <b>8M0005305</b>	48-8M0005306
15.5	40	48- <b>8M0005335</b>	48-8M0005336
15.25	40	48- <b>8M0005365</b>	48-8M0005366
15	40	48- <b>8M0005395</b>	48-8M0005396

CNC CLEAVER 6 BLADE 18 DEGREE RAKE POLISHED LAB FINISHED STERNDRIVE PROPELLER



# CNC Cleaver, Heat Treated SS 6 Blade, 18 Degree Rake - 1200 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	30	48-8M0013897	48-8M0013898
17.75	30	48-8M0013927	48-8M0013928
17.5	30	48-8M0013957	48-8M0013958
17.25	30	48-8M0013987	48-8M0013988
17	30	48-8M0014017	48-8M0014018
16.75	30	48-8M0014047	48-8M0014048
16.5	30	48-8M0014077	48-8M0014078
16.25	30	48-8M0014107	48-8M0014108
16	30	48-8M0014137	48-8M0014138
15.75	30	48-8M0014167	48-8M0014168
15.5	30	48-8M0014197	48-8M0014198
15.25	30	48-8M0014227	48-8M0014228
15	30	48-8M0014257	48-8M0014258
18	31	48-8M0013899	48- <b>8M</b> 0013900
17.75	31	48-8M0013929	48-8M0013930
17.5	31	48-8M0013959	48- <b>8M</b> 0013960
17.25	31	48-8M0013989	48-8M0013990
17	31	48-8M0014019	48-8M0014020
16.75	31	48-8M0014049	48-8M0014050
16.5	31	48-8M0014079	48-8M0014080
16.25	31	48-8M0014109	48- <b>8M0014110</b>
16	31	48-8M0014139	48-8M0014140
15.75	31	48-8M0014169	48-8M0014170
15.5	31	48-8M0014199	48-8M0014200
15.25	31	48-8M0014229	48-8M0014230
15	31	48-8M0014259	48-8M0014260
18	32	48-8M0013901	48- <b>8M0013902</b>
17.75	32	48-8M0013931	48-8M0013932
17.5	32	48-8M0013961	48-8M0013962
17.25	32	48-8M0013991	48-8M0013992
17	32	48-8M0014021	48-8M0014022
16.75	32	48-8M0014051	48-8M0014052
16.5	32	48-8M0014081	48-8M0014082
16.25	32	48-8M0014111	48-8M0014112
16	32	48-8M0014141	48-8M0014142
15.75	32	48-8M0014171	48-8M0014172
15.5	32	48-8M0014201	48-8M0014202
15.25	32	48-8M0014231	48-8M0014232
15	32	48-8M0014261	48-8M0014262
18	33	48-8M0013903	48-8M0013904
17.75	33	48-8M0013933	48-8M0013934
17.5	33	48-8M0013963	48-8M0013964
17.25	33	48- <b>8M0013993</b>	48-8M0013994
17	33	48-8M0014023	48-8M0014024
16.75	33	48-8M0014053	48-8M0014054
16.5	33	48-8M0014083	48-8M0014084
16.25	33	48-8M0014113	48- <b>8M0014114</b>
16	33	48-8M0014143	48- <b>8M0014144</b>
15.75	33	48-8M0014173	48-8M0014174

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.5	33	48-8M0014203	48-8M0014204
15.25	33	48-8M0014233	48-8M0014234
15	33	48-8M0014263	48-8M0014264
18	34	48-8M0013905	48-8M0013906
17.75	34	48-8M0013935	48-8M0013936
17.5	34	48-8M0013965	48-8M0013966
17.25	34	48-8M0013995	48-8M0013996
17	34	48-8M0014025	48-8M0014026
16.75	34	48-8M0014055	48-8M0014056
16.5	34	48-8M0014085	48-8M0014086
16.25	34	48-8M0014115	48-8M0014116
16	34	48-8M0014145	48-8M0014146
15.75	34	48-8M0014175	48-8M0014176
15.5	34	48-8M0014205	48-8M0014206
15.25	34	48-8M0014235	48-8M0014236
15	34	48-8M0014265	48-8M0014266
18	35	48-8M0013907	48-8M0013908
17.75	35	48-8M0013937	48-8M0013938
17.5	35	48-8M0013967	48-8M0013968
17.25	35	48-8M0013997	48-8M0013998
17	35	48-8M0014027	48-8M0014028
16.75	35	48-8M0014057	48-8M0014058
16.5	35		
		48-8M0014087	48-8M0014088
16.25	35	48-8M0014117	48-8M0014118
16	35	48-8M0014147	48-8M0014148
15.75	35	48-8M0014177	48-8M0014178
15.5	35	48-8M0014207	48-8M0014208
15.25	35	48-8M0014237	48-8M0014238
15	35	48-8M0014267	48-8M0014268
18	36	48-8M0013909	48-8M0013910
17.75	36	48-8M0013939	48-8M0013940
17.5	36	48-8M0013969	48-8M0013970
17.25	36	48-8M0013999	48-8M0014000
17	36	48-8M0014029	48-8M0014030
16.75	36	48-8M0014059	48-8M0014060
16.5	36	48-8M0014089	48-8M0014090
16.25	36	48-8M0014119	48-8M0014120
16	36	48-8M0014149	48-8M0014150
15.75	36	48-8M0014179	48-8M0014180
15.5	36	48-8M0014209	48-8M0014210
15.25	36	48-8M0014239	48-8M0014240
15	36	48-8M0014269	48-8M0014270
18	37	48-8M0013911	48-8M0013912
17.75	37	48-8M0013941	48-8M0013942
17.5	37	48-8M0013971	48-8M0013972
17.25	37	48-8M0014001	48-8M0014002
17	37	48-8M0014031	48-8M0014032
16.75	37	48-8M0014061	48-8M0014062
16.5	37	48-8M0014091	48-8M0014092
16.25	37	48-8M0014121	48-8M0014122
16	37	48-8M0014151	48-8M0014152
15.75	37	48-8M0014181	48-8M0014182
15.5	37	48-8M0014211	48-8M0014212
15.25	37	48-8M0014241	48-8M0014242

Diameter (Inches)         Pitch         LH Rotation         RH Rotation           15         37         48-8M0014271         48-8M0014272           18         38         48-8M0013913         48-8M0013914           17.75         38         48-8M0013943         48-8M0013944           17.5         38         48-8M0013973         48-8M0013974           17.25         38         48-8M0014003         48-8M0014004           17         38         48-8M0014033         48-8M0014034	
18     38     48-8M0013913     48-8M0013914       17.75     38     48-8M0013943     48-8M0013944       17.5     38     48-8M0013973     48-8M0013974       17.25     38     48-8M0014003     48-8M0014004       17     38     48-8M0014033     48-8M0014034	
17.75     38     48-8M0013943     48-8M0013944       17.5     38     48-8M0013973     48-8M0013974       17.25     38     48-8M0014003     48-8M0014004       17     38     48-8M0014033     48-8M0014034	
17.5     38     48-8M0013973     48-8M0013974       17.25     38     48-8M0014003     48-8M0014004       17     38     48-8M0014033     48-8M0014034	
17.25         38         48-8M0014003         48-8M0014004           17         38         48-8M0014033         48-8M0014034	
17 38 48-8M0014033 48-8M0014034	
16.75 38 48-8M0014063 48-8M0014064	
16.5 38 48-8M0014093 48-8M0014094	
16.25 38 48-8M0014123 48-8M0014124	
16 38 48-8M0014153 48-8M0014154	
15.75 38 48-8M0014183 48-8M0014184	
15.5 38 48-8M0014213 48-8M0014214	
15.25 38 48-8M0014243 48-8M0014244	
15 38 48-8M0014273 48-8M0014274	
18 39 48-8M0013915 48-8M0013916	
17.75 39 48-8M0013945 48-8M0013946	
17.5 39 48-8M0013975 48-8M0013976	
17.25 39 48-8M0014005 48-8M0014006	
17 39 48-8M0014035 48-8M0014036	
16.75 39 48-8M0014065 48-8M0014066	
16.5 39 48-8M0014095 48-8M0014096	
16.25 39 48-8M0014125 48-8M0014126	
16 39 48-8M0014155 48-8M0014156	
15.75 39 48-8M0014185 48-8M0014186	
15.5 39 48-8M0014215 48-8M0014216	
15.25 39 48-8M0014245 48-8M0014246	
15 39 48-8M0014275 48-8M0014276	
18 40 48-8M0013917 48-8M0013918	
17.75 40 48-8M0013947 48-8M0013948	
17.5 40 48-8M0013977 48-8M0013978	
17.25 40 48-8M0014007 48-8M0014008	
17 40 48-8M0014037 48-8M0014038	
16.75 40 48-8M0014067 48-8M0014068	
16.5 40 48-8M0014097 48-8M0014098	
16.25 40 48-8M0014127 48-8M0014128	
16 40 48-8M0014157 48-8M0014158	
15.75 40 48-8M0014187 48-8M0014188	
15.5 40 48-8M0014217 48-8M0014218	
15.25 40 48-8M0014247 48-8M0014248	
15 40 48-8M0014277 48-8M0014278	

### CNC Cleaver, Heat Treated SS 6 Blade, 18 Degree Rake - 900 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	30	48-8M0015067	48-8M0015068
17.75	30	48-8M0015097	48-8M0015098
17.5	30	48-8M0015127	48-8M0015128
17.25	30	48-8M0015157	48-8M0015158
17	30	48-8M0015187	48-8M0015188
16.75	30	48-8M0015217	48-8M0015218
16.5	30	48-8M0015247	48-8M0015248

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.25	30	48-8M0015277	48-8M0015278
16	30	48-8M0015307	48-8M0015308
15.75	30	48-8M0015337	48-8M0015338
15.5	30	48-8M0015367	48-8M0015368
15.25	30	48-8M0015397	48-8M0015398
15	30	48-8M0015427	48-8M0015428
18	31	48-8M0015069	48-8M0015070
17.75	31	48-8M0015099	48-8M0015100
17.5	31	48-8M0015129	48-8M0015130
17.25	31	48-8M0015159	48-8M0015160
17	31	48-8M0015189	48-8M0015190
16.75	31	48-8M0015219	48-8M0015220
16.5	31	48- <b>8M0015249</b>	48- <b>8</b> M0015250
16.25	31	48-8M0015279	48-8M0015280
16	31	48- <b>8M0015309</b>	48-8M0015310
15.75	31	48-8M0015339	48-8M0015340
15.5	31	48-8M0015369	48-8M0015370
15.25	31	48-8M0015399	48-8M0015400
15	31	48-8M0015429	48-8M0015430
18	32	48-8M0015071	48-8M0015072
17.75	32	48-8M0015101	48-8M0015102
17.5	32	48-8M0015131	48-8M0015132
17.25	32	48-8M0015161	48-8M0015162
17	32	48-8M0015191	48-8M0015192
16.75	32	48-8M0015221	48-8M0015222
16.5	32	48-8M0015251	48-8M0015252
16.25	32	48-8M0015281	48-8M0015282
16	32	48-8M0015311	48-8M0015312
15.75	32	48-8M0015341	48-8M0015342
15.5	32	48-8M0015371	48-8M0015372
15.25	32	48-8M0015401	48-8M0015402
15	32	48-8M0015431	48-8M0015432
18	33	48-8M0015073	48-8M0015074
17.75	33	48-8M0015103	48-8M0015104
17.5	33	48-8M0015133	48-8M0015134
17.25	33	48-8M0015163	48-8M0015164
17	33	48-8M0015193	48-8M0015194
16.75	33	48-8M0015223	48-8M0015224
16.5	33	48-8M0015253	48-8M0015254
16.25	33	48-8M0015283	48-8M0015284
16	33	48-8M0015313	48-8M0015314
15.75	33	48-8M0015343	48-8M0015344
15.5	33	48-8M0015373	48-8M0015374
15.25	33	48-8M0015403	48-8M0015404
15	33	48-8M0015433	48-8M0015434
18	34	48- <b>8M</b> 0015075	48-8M0015076
17.75	34	48- <b>8M</b> 0015105	48-8M0015106
17.5	34	48- <b>8M</b> 0015135	48-8M0015136
17.25	34	48- <b>8M</b> 0015165	48-8M0015166
17	34	48- <b>8M</b> 0015195	48-8M0015196
16.75	34	48- <b>8M</b> 0015225	48-8M0015226
16.5	34	48-8M0015255	48-8M0015256
16.25	34	48-8M0015285	48-8M0015286
16	34	48-8M0015315	48-8M0015316
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Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.75	34	48-8M0015345	48-8M0015346
15.5	34	48-8M0015375	48-8M0015376
15.25	34	48-8M0015405	48-8M0015406
15	34	48-8M0015435	48-8M0015436
18	35	48-8M0015077	48-8M0015078
17.75	35	48-8M0015107	48-8M0015108
17.5	35	48-8M0015137	48-8M0015138
17.25	35	48-8M0015167	48-8M0015168
17	35	48-8M0015197	48-8M0015198
16.75	35	48-8M0015227	48-8M0015228
16.5	35	48- <b>8</b> M0015257	48-8M0015258
16.25	35	48-8M0015287	48-8M0015288
16	35	48-8M0015317	48-8M0015318
15.75	35	48-8M0015347	48-8M0015348
15.5	35	48-8M0015377	48- <b>8M0015378</b>
15.25	35	48-8M0015407	48-8M0015408
15	35	48-8M0015437	48-8M0015438
18	36	48-8M0015079	48-8M0015080
17.75	36	48-8M0015109	48-8M0015110
17.5	36	48-8M0015139	48-8M0015140
17.25	36	48-8M0015169	48-8M0015170
17	36	48-8M0015199	48-8M0015200
16.75	36	48-8M0015229	48-8M0015230
16.5	36	48-8M0015259	48-8M0015260
16.25	36	48-8M0015289	48-8M0015290
16	36	48-8M0015319	48-8M0015320
15.75	36	48-8M0015349	48- <b>8M</b> 0015350
15.5	36	48-8M0015379	48-8M0015380
15.25	36	48-8M0015409	48- <b>8M0015410</b>
15	36	48-8M0015439	48-8M0015440
18	37	48- <b>8M0015081</b>	48-8M0015082
17.75	37	48- <b>8M0015111</b>	48- <b>8M0015112</b>
17.5	37	48-8M0015141	48-8M0015142
17.25	37	48-8M0015171	48- <b>8M0015172</b>
17	37	48-8M0015201	48-8M0015202
16.75	37	48-8M0015231	48-8M0015232
16.5	37	48-8M0015261	48-8M0015262
16.25	37	48-8M0015291	48-8M0015292
16	37	48-8M0015321	48-8M0015322
15.75	37	48-8M0015351	48-8M0015352
15.5	37	48-8M0015381	48-8M0015382
15.25	37	48-8M0015411	48-8M0015412
15	37	48-8M0015441	48-8M0015442
18	38	48-8M0015083	48-8M0015084
17.75	38	48-8M0015113	48-8M0015114
			48-8M0015114 48-8M0015144
17.5	38	48-8M0015143	
17.25	38	48-8M0015173	48-8M0015174
17	38	48-8M0015203	48-8M0015204
16.75	38	48-8M0015233	48-8M0015234
16.5	38	48- <b>8</b> M0015263	48- <b>8M0015264</b>
16.25	38	48-8M0015293	48-8M0015294
16	38	48-8M0015323	48-8M0015324
15.75	38	48-8M0015353	48-8M0015354
15.5	38	48-8M0015383	48-8M0015384

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.25	38	48-8M0015413	48-8M0015414
15	38	48-8M0015443	48-8M0015444
18	39	48-8M0015085	48-8M0015086
17.75	39	48-8M0015115	48-8M0015116
17.5	39	48-8M0015145	48-8M0015146
17.25	39	48-8M0015175	48-8M0015176
17	39	48-8M0015205	48-8M0015206
16.75	39	48-8M0015235	48-8M0015236
16.5	39	48-8M0015265	48-8M0015266
16.25	39	48-8M0015295	48-8M0015296
16	39	48-8M0015325	48-8M0015326
15.75	39	48-8M0015355	48-8M0015356
15.5	39	48-8M0015385	48-8M0015386
15.25	39	48-8M0015415	48-8M0015416
15	39	48-8M0015445	48-8M0015446
18	40	48-8M0015087	48-8M0015088
17.75	40	48-8M0015117	48-8M0015118
17.5	40	48-8M0015147	48-8M0015148
17.25	40	48-8M0015177	48-8M0015178
17	40	48-8M0015207	48-8M0015208
16.75	40	48-8M0015237	48-8M0015238
16.5	40	48-8M0015267	48-8M0015268
16.25	40	48-8M0015297	48-8M0015298
16	40	48-8M0015327	48-8M0015328
15.75	40	48-8M0015357	48-8M0015358
15.5	40	48-8M0015387	48-8M0015388
15.25	40	48-8M0015417	48-8M0015418
15	40	48-8M0015447	48-8M0015448

# CNC CLEAVER 6 BLADE 21 DEGREE RAKE POLISHED LAB FINISHED STERNDRIVE PROPELLER



## CNC Cleaver, Heat Treated SS 6 Blade, 21 Degree Rake - 1200 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	30	48-8M0017479	48-8M0017480
17.75	30	48-8M0017509	48-8M0017510
17.5	30	48-8M0017539	48-8M0017540
17.25	30	48-8M0017569	48-8M0017570
17	30	48-8M0017599	48-8M0017600

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.75	30	48-8M0017629	48-8M0017630
16.5	30	48-8M0017659	48-8M0017660
16.25	30	48-8M0017689	48-8M0017690
16	30	48-8M0017719	48-8M0017720
15.75	30	48-8M0017749	48-8M0017750
15.5	30	48-8M0017779	48-8M0017780
15.25	30	48-8M0017809	48-8M0017810
15	30	48-8M0017839	48-8M0017840
18	31	48-8M0017481	48-8M0017482
17.75	31	48-8M0017511	48-8M0017512
17.5	31	48-8M0017541	48-8M0017542
17.25	31	48-8M0017571	48-8M0017572
17	31	48-8M0017601	48-8M0017602
16.75	31	48-8M0017631	48-8M0017632
16.5	31	48-8M0017661	48-8M0017662
16.25	31	48-8M0017691	48-8M0017692
16	31	48-8M0017721	48-8M0017722
15.75	31	48-8M0017751	48-8M0017752
15.5	31	48-8M0017781	48-8M0017782
15.25	31	48-8M0017811	48-8M0017812
15	31	48-8M0017841	48-8M0017842
18	32	48-8M0017483	48-8M0017484
17.75	32	48-8M0017513	48-8M0017514
17.5	32	48-8M0017543	48-8M0017544
17.25	32	48-8M0017573	48-8M0017574
17	32	48-8M0017603	48-8M0017604
16.75	32	48-8M0017633	48-8M0017634
16.5	32	48-8M0017663	48-8M0017664
16.25	32	48-8M0017693	48-8M0017694
16	32	48-8M0017723	48-8M0017724
15.75	32	48-8M0017753	48-8M0017754
15.5	32	48-8M0017783	48-8M0017784
15.25	32	48-8M0017813	48-8M0017814
15	32	48-8M0017843	48-8M0017844
18	33	48-8M0017485	48-8M0017486
17.75	33	48-8M0017515	48-8M0017516
17.5	33	48-8M0017545	48-8M0017546
17.25	33	48-8M0017575	48-8M0017576
17	33	48-8M0017605	48-8M0017606
16.75	33	48- <b>8M</b> 0017635	48-8M0017636
16.5	33	48- <b>8M</b> 0017665	48-8M0017666
16.25	33	48-8M0017695	48-8M0017696
16	33	48-8M0017725	48-8M0017726
15.75	33	48-8M0017755	48-8M0017756
15.5	33	48-8M0017785	48-8M0017786
15.25	33	48-8M0017815	48-8M0017816
15	33	48-8M0017845	48-8M0017846
18	34	48-8M0017487	48-8M0017488
17.75	34	48-8M0017517	48-8M0017518
17.75	34	48-8M0017547	48-8M0017548
17.25	34	48-8M0017577	48-8M0017578
17	34	48-8M0017607	48-8M0017608
16.75	34	48-8M0017637	48-8M0017638
16.5	34	48-8M0017667	48-8M0017668

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.25	34	48-8M0017697	48-8M0017698
16	34	48-8M0017727	48-8M0017728
15.75	34	48-8M0017757	48-8M0017758
15.5	34	48-8M0017787	48-8M0017788
15.25	34	48-8M0017817	48-8M0017818
15	34	48- <b>8M0017847</b>	48-8M0017848
18	35	48-8M0017489	48-8M0017490
17.75	35	48-8M0017519	48-8M0017520
17.5	35	48-8M0017549	48-8M0017550
17.25	35	48-8M0017579	48-8M0017580
17	35	48-8M0017609	48-8M0017610
16.75	35	48-8M0017639	48-8M0017640
16.5	35	48-8M0017669	48-8M0017670
16.25	35	48-8M0017699	48-8M0017700
16	35	48-8M0017729	48-8M0017730
15.75	35	48-8M0017759	48-8M0017760
15.5	35	48-8M0017789	48-8M0017790
15.25	35	48-8M0017819	48-8M0017820
15	35	48-8M0017849	48-8M0017850
18	36	48-8M0017491	48-8M0017492
17.75	36	48-8M0017521	48-8M0017522
17.5	36	48-8M0017551	48-8M0017552
17.25	36	48-8M0017581	48-8M0017582
17	36	48-8M0017611	48-8M0017612
16.75	36	48-8M0017641	48-8M0017642
16.5	36	48-8M0017671	48-8M0017672
16.25	36	48-8M0017701	48-8M0017702
16	36	48-8M0017731	48-8M0017732
15.75	36	48-8M0017761	48-8M0017762
	36		
15.5 15.25	36	48-8M0017791 48-8M0017821	48-8M0017792 48-8M0017822
15	36	48-8M0017851	48-8M0017852
18	37	48-8M0017493	48-8M0017494
17.75	37	48-8M0017523	48-8M0017524
17.5	37	48-8M0017553	48-8M0017554
17.25	37	48-8M0017583	48-8M0017584
17	37	48-8M0017613	48-8M0017614
16.75	37	48-8M0017643	48-8M0017644
16.5	37	48-8M0017673	48-8M0017674
16.25	37	48-8M0017703	48-8M0017704
16	37	48-8M0017733	48-8M0017734
15.75	37	48-8M0017763	48-8M0017764
15.5	37	48-8M0017793	48-8M0017794
15.25	37	48-8M0017823	48-8M0017824
15	37	48-8M0017853	48-8M0017854
18	38	48- <b>8M0017495</b>	48-8M0017496
17.75	38	48-8M0017525	48-8M0017526
17.5	38	48- <b>8M0017555</b>	48-8M0017556
17.25	38	48-8M0017585	48-8M0017586
17	38	48-8M0017615	48-8M0017616
16.75	38	48-8M0017645	48-8M0017646
16.5	38	48-8M0017675	48-8M0017676
16.25	38	48-8M0017705	48-8M0017706
16	38	48-8M0017735	48-8M0017736

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
15.75	38	48-8M0017765	48-8M0017766
15.5	38	48-8M0017795	48-8M0017796
15.25	38	48-8M0017825	48-8M0017826
15	38	48-8M0017855	48-8M0017856
18	39	48-8M0017497	48-8M0017498
17.75	39	48- <b>8</b> M0017527	48-8M0017528
17.5	39	48-8M0017557	48- <b>8M0017558</b>
17.25	39	48-8M0017587	48- <b>8M0017588</b>
17	39	48-8M0017617	48- <b>8M</b> 0017618
16.75	39	48-8M0017647	48-8M0017648
16.5	39	48-8M0017677	48-8M0017678
16.25	39	48-8M0017707	48-8M0017708
16	39	48-8M0017737	48-8M0017738
15.75	39	48-8M0017767	48-8M0017768
15.5	39	48-8M0017797	48-8M0017798
15.25	39	48-8M0017827	48-8M0017828
15	39	48-8M0017857	48-8M0017858
18	40	48-8M0017499	48-8M0017500
17.75	40	48-8M0017529	48-8M0017530
17.5	40	48-8M0017559	48-8M0017560
17.25	40	48-8M0017589	48-8M0017590
17	40	48-8M0017619	48-8M0017620
16.75	40	48-8M0017649	48-8M0017650
16.5	40	48-8M0017679	48-8M0017680
16.25	40	48-8M0017709	48- <b>8M0017710</b>
16	40	48-8M0017739	48- <b>8M0017740</b>
15.75	40	48- <b>8M</b> 00 <b>17769</b>	48- <b>8M0017770</b>
15.5	40	48- <b>8M</b> 00 <b>17799</b>	48- <b>8M0017800</b>
15.25	40	48-8M0017829	48- <b>8M0017830</b>
15	40	48-8M0017859	48-8M0017860

## CNC Cleaver, Heat Treated SS 6 Blade, 21 Degree Rake - 900 HP

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
18	30	48-8M0018649	48-8M0018650
17.75	30	48-8M0018679	48- <b>8M</b> 0018680
17.5	30	48-8M0018709	48- <b>8M0018710</b>
17.25	30	48-8M0018739	48-8M0018740
17	30	48-8M0018769	48- <b>8M</b> 001 <b>877</b> 0
16.75	30	48-8M0018799	48- <b>8M</b> 001 <b>88</b> 00
16.5	30	48-8M0018829	48-8M0018830
16.25	30	48-8M0018859	48- <b>8M</b> 001 <b>886</b> 0
16	30	48- <b>8M0018889</b>	48- <b>8M</b> 001 <b>889</b> 0
15.75	30	48-8M0018919	48-8M0018920
15.5	30	48-8M0018949	48- <b>8M</b> 001 <b>895</b> 0
15.25	30	48-8M0018979	48-8M0018980
15	30	48- <b>8M0019009</b>	48- <b>8M</b> 0019010
18	31	48-8M0018651	48-8M0018652
17.75	31	48-8M0018681	48-8M0018682
17.5	31	48-8M0018711	48-8M0018712
17.25	31	48-8M0018741	48-8M0018742

177 31 48 BM0018771 48 BM0018802 16.5 31 48 BM0018801 48 BM0018802 16.5 31 48 BM0018801 48 BM0018802 16.25 31 48 BM0018801 48 BM0018802 15.75 31 48 BM0018801 48 BM0018802 15.75 31 48 BM0018801 48 BM0018802 15.75 31 48 BM0018801 48 BM0018802 15.5 31 48 BM0018801 48 BM0018802 15.5 31 48 BM0018801 48 BM0018802 15.25 31 48 BM0018801 48 BM0018802 15.25 31 48 BM0018801 48 BM0018802 15.25 31 48 BM0018801 48 BM0018802 17.75 32 48 BM0018603 48 BM0018604 17.75 32 48 BM0018713 48 BM0018714 17.25 32 48 BM0018713 48 BM0018714 17.25 32 48 BM0018713 48 BM0018714 17.75 32 48 BM0018713 48 BM0018714 17.75 32 48 BM001873 48 BM001874 18.75 32 48 BM001873 48 BM001874 18.75 32 48 BM001873 48 BM001874 15.75 32 48 BM0018803 48 BM0018804 16.5 32 48 BM0018803 48 BM0018804 16.75 33 48 BM0018805 48 BM0018804 16.75 33 48 BM0018805 48 BM0018806 16.75 33 48 BM0018805 48 BM0018806 16.75 33 48 BM0018805 48 BM0018806 16.55 33 48 BM0018805 48 BM0018806 16.55 34 8 BM0018807 48 BM0018806 16.55 34 8 BM0018807 48 BM0018808 16.55	Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.75 31 48 BM0018801 48 BM0018802 16.5 31 48 BM0018831 48 BM0018832 16.25 31 48 BM0018891 48 BM0018892 15.75 31 48 BM001891 48 BM001892 15.55 31 48 BM001891 48 BM001892 16.55 31 48 BM001891 48 BM001892 16.55 31 48 BM001891 48 BM001892 17.75 32 48 BM001863 48 BM001864 17.75 32 48 BM001863 48 BM001864 17.75 32 48 BM0018713 48 BM0018714 17.25 32 48 BM0018713 48 BM0018714 17.25 32 48 BM0018773 48 BM0018774 16.75 32 48 BM0018773 48 BM0018774 16.75 32 48 BM0018803 48 BM0018804 16.55 32 48 BM0018805 48 BM0018905 48 BM0018906 16.55 33 48 BM0018805 48 BM0018806 16.55 33 48 BM0018805 48 BM001806 16.55 33 48 BM001805 48 BM001806 16.55 33 48 BM001806 48 BM001806 16.55 34 48 BM001806 34 8 BM0018080 16.55 34 48 BM001806 34 8 BM0018080 16.55 34 8 BM001806 34 8 BM0018080 16.55 34 8 BM001806 34 8 BM0018080 16.55 34 8 B				
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16         32         48.8M0018863         48.8M0018894           16         32         48.8M0018893         48.8M0018894           15.75         32         48.8M0018923         48.8M0018924           15.5         32         48.8M0018933         48.8M0018954           15.25         32         48.8M0018983         48.8M0018984           15         32         48.8M0018933         48.8M0018984           15         32         48.8M0018655         48.8M001804           15         32         48.8M0018655         48.8M0018666           17.75         33         48.8M0018655         48.8M0018716           17.5         33         48.8M0018745         48.8M0018746           17         33         48.8M0018775         48.8M001876           16.75         33         48.8M0018805         48.8M0018806           16.5         33         48.8M0018805         48.8M0018806           16.5         33         48.8M0018805         48.8M0018806           16.25         33         48.8M0018895         48.8M001896           15.75         33         48.8M0018995         48.8M0018926           15.5         33         48.8M0018925         48.8M0018926 </td <td></td> <td></td> <td></td> <td></td>				
16         32         48-8M0018893         46-8M0018894           15.75         32         48-8M0018923         46-8M0018954           15.5         32         48-8M0018953         48-8M0018954           15.25         32         48-8M0018983         48-8M0018984           15         32         48-8M0018913         48-8M0019014           18         33         48-8M0018655         48-8M0018666           17.75         33         48-8M0018685         48-8M0018666           17.5         33         48-8M0018715         48-8M0018716           17.25         33         48-8M0018775         48-8M0018776           16.75         33         48-8M0018805         48-8M0018806           16.5         33         48-8M0018805         48-8M0018806           16.5         33         48-8M0018865         48-8M0018866           16         33         48-8M0018865         48-8M0018896           15.75         33         48-8M0018895         48-8M0018896           15.75         33         48-8M0018895         48-8M001896           15.75         33         48-8M001895         48-8M001896           15.25         33         48-8M001895         48-8M001896				
15.75         32         48 8M0018923         48 8M0018954           15.5         32         48 8M0018983         48 8M0018984           15         32         48 8M0018983         48 8M0018984           15         32         48 8M0018655         48 8M0018656           17.75         33         48 8M0018685         48 8M0018666           17.5         33         48 8M0018715         48 8M0018716           17.25         33         48 8M0018775         48 8M0018776           16.75         33         48 8M0018805         48 8M0018806           16.5         33         48 8M0018895         48 8M0018806           16.5         33         48 8M0018895         48 8M0018896           16.25         33         48 8M0018895         48 8M0018896           15.75         33         48 8M001895         48 8M0018896           15.75         33         48 8M001895         48 8M0018966           16         33         48 8M001895         48 8M001896           15.75         33         48 8M001895         48 8M001896           15.5         33         48 8M001895         48 8M001896           15.25         33         48 8M001895         48 8M001896				
15.5         32         48.8M0018953         48.8M0018984           15         32         48.8M0018983         48.8M0019013         48.8M0019014           18         33         48.8M0018655         48.8M0018666           17.75         33         48.8M0018685         48.8M001876           17.5         33         48.8M0018715         48.8M0018716           17.25         33         48.8M0018745         48.8M0018776           16.75         33         48.8M0018805         48.8M0018806           16.5         33         48.8M0018805         48.8M0018806           16.5         33         48.8M0018895         48.8M0018896           16.25         33         48.8M0018895         48.8M0018896           15.75         33         48.8M001895         48.8M0018966           16         33         48.8M001895         48.8M0018966           15.5         33         48.8M001895         48.8M0018966           15.5         33         48.8M001895         48.8M0018956           15.25         33         48.8M001895         48.8M0018966           15         33         48.8M001895         48.8M0018966           15         33         48.8M0018967	-			
15.25         32         48.8M0018983         48.8M0019014           15         32         48.8M0019013         48.8M0019014           18         33         48.8M0018655         48.8M0018656           17.75         33         48.8M0018655         48.8M0018666           17.5         33         48.8M0018715         48.8M0018716           17.25         33         48.8M001875         48.8M001876           16.75         33         48.8M0018875         48.8M0018876           16.75         33         48.8M0018805         48.8M0018806           16.5         33         48.8M0018835         48.8M0018806           16.5         33         48.8M0018836         48.8M0018866           16         33         48.8M0018895         48.8M0018866           16         33         48.8M001895         48.8M001896           15.75         33         48.8M001895         48.8M001896           15.75         33         48.8M001895         48.8M001896           15.25         33         48.8M001895         48.8M001896           15.25         33         48.8M001895         48.8M001896           15         33         48.8M001895         48.8M001896				
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17.75         33         48-8M0018685         48-8M0018716           17.5         33         48-8M0018715         48-8M0018716           17.25         33         48-8M0018775         48-8M0018776           16.75         33         48-8M0018805         48-8M0018806           16.5         33         48-8M0018835         48-8M0018836           16.25         33         48-8M0018895         48-8M0018896           16         33         48-8M001895         48-8M0018966           15.75         33         48-8M001895         48-8M0018926           15.5         33         48-8M001895         48-8M0018966           15.25         33         48-8M001895         48-8M0018966           15         33         48-8M0018967         48-8M001868           17.75         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018777         48-8M001878	-			
17.5 33 48-8M0018715 48-8M0018716 17.25 33 48-8M001875 48-8M0018776 16.75 33 48-8M0018805 48-8M0018806 16.5 33 48-8M0018835 48-8M0018866 16 33 48-8M0018895 48-8M0018866 16 33 48-8M0018895 48-8M0018896 15.75 33 48-8M001895 48-8M001896 15.55 33 48-8M001895 48-8M001896 15.75 33 48-8M001895 48-8M001896 15.75 33 48-8M001895 48-8M001896 15.25 33 48-8M001895 48-8M001896 15.25 33 48-8M001895 48-8M001896 15 33 48-8M001895 48-8M001896 15 34 48-8M001897 48-8M0018018 17.75 34 48-8M0018777 48-8M0018788 17.25 34 48-8M0018777 48-8M0018788 16.5 34 48-8M0018877 48-8M0018788 16.5 34 48-8M0018877 48-8M0018788 16.5 34 48-8M0018877 48-8M0018788 16.5 34 48-8M0018877 48-8M0018888 16.5 34 48-8M0018877 48-8M0018888 16.5 34 48-8M0018897 48-8M0018888 16.5 34 48-8M0018897 48-8M0018888 16.5 34 48-8M0018897 48-8M0018888 16.5 34 48-8M001897 48-8M0018988 15.75 34 48-8M001897 48-8M0018988 15.75 34 48-8M001897 48-8M0018988 15.75 34 48-8M001897 48-8M0018988 15.75 34 48-8M0018997 48-8M0018998 15.5 34 48-8M0018997 48-8M0018998 15.5 34 48-8M0018997 48-8M0018998 15.5 34 48-8M0018997 48-8M0018998 15.5 34 48-8M0018997 48-8M0018998				
17.25 33 48-8M0018775 48-8M0018776 16.75 33 48-8M0018805 48-8M0018806 16.5 33 48-8M0018835 48-8M0018836 16.25 33 48-8M001885 48-8M0018866 16 33 48-8M0018895 48-8M0018866 15.75 33 48-8M001895 48-8M001896 15.75 33 48-8M001895 48-8M001896 15.25 33 48-8M001895 48-8M001896 15.75 33 48-8M001895 48-8M001896 15.26 33 48-8M001895 48-8M001896 15.27 33 48-8M001895 48-8M001896 15 33 48-8M001895 48-8M001896 15 34 48-8M0018667 48-8M001868 17.75 34 48-8M0018667 48-8M0018688 17.75 34 48-8M0018717 48-8M0018718 17.25 34 48-8M0018777 48-8M0018748 17 34 48-8M0018777 48-8M0018778 16.5 34 48-8M0018807 48-8M0018778 16.5 34 48-8M0018807 48-8M0018888 16.5 34 48-8M0018807 48-8M0018888 16.5 34 48-8M0018897 48-8M0018888 16.5 34 48-8M0018897 48-8M0018888 16.5 34 48-8M0018897 48-8M0018898 15.75 34 48-8M001897 48-8M0018988 15.75 34 48-8M001897 48-8M0018988 15.75 34 48-8M0018997 48-8M0018998 15.5 34 48-8M0018997 48-8M0018998 15.5 34 48-8M0018997 48-8M0018998 15.5 34 48-8M0018997 48-8M0018998 15.5 34 48-8M0018997 48-8M0018998				
17         33         48-8M0018775         48-8M0018806           16.75         33         48-8M0018805         48-8M0018806           16.5         33         48-8M0018835         48-8M0018836           16.25         33         48-8M0018895         48-8M0018896           16         33         48-8M0018995         48-8M0018926           15.75         33         48-8M0018925         48-8M0018926           15.5         33         48-8M0018955         48-8M0018966           15         33         48-8M0018985         48-8M0018986           15         33         48-8M0018955         48-8M0018986           15         33         48-8M0018015         48-8M0018966           15         33         48-8M0018657         48-8M0018658           17.75         34         48-8M001867         48-8M0018688           17.75         34         48-8M0018717         48-8M0018718           17         34         48-8M0018777         48-8M0018788           16         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018879         48-8M0018888           16         34         48-8M001897         48-8M0018988				
16.75         33         48-8M0018805         48-8M0018806           16.5         33         48-8M0018835         48-8M0018836           16.25         33         48-8M0018865         48-8M0018896           16         33         48-8M0018895         48-8M001896           15.75         33         48-8M0018925         48-8M0018926           15.5         33         48-8M0018955         48-8M0018966           15         33         48-8M0018985         48-8M0018966           15         33         48-8M0018985         48-8M0018966           15         33         48-8M0018985         48-8M0018966           15         33         48-8M0018985         48-8M0018966           15         33         48-8M001807         48-8M0018658           17.75         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018777         48-8M0018778           16         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018808           16.5         34         48-8M001897         48-8M0018988           15.75         34         48-8M0018997         48-8M0018988 <td>-</td> <td></td> <td></td> <td></td>	-			
16.5         33         48-8M0018835         48-8M0018836           16.25         33         48-8M0018865         48-8M0018866           16         33         48-8M0018895         48-8M0018896           15.75         33         48-8M0018925         48-8M0018926           15.5         33         48-8M0018955         48-8M0018956           15.25         33         48-8M0018985         48-8M0018986           15         33         48-8M0019015         48-8M0018986           15         33         48-8M0018657         48-8M0018658           17.75         34         48-8M0018687         48-8M0018688           17.5         34         48-8M0018717         48-8M0018718           17         34         48-8M0018777         48-8M0018778           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018877         48-8M0018808           16.5         34         48-8M0018877         48-8M0018808           16.5         34         48-8M001887         48-8M0018898           15.75         34         48-8M0018897         48-8M0018898           15.75         34         48-8M0018997         48-8M0018988				
16.25       33       48-8M0018865       48-8M0018866         16       33       48-8M0018895       48-8M0018896         15.75       33       48-8M0018925       48-8M0018926         15.5       33       48-8M0018955       48-8M0018956         15       33       48-8M0018985       48-8M0018986         15       33       48-8M0019015       48-8M0018658         17.75       34       48-8M001867       48-8M0018658         17.5       34       48-8M0018717       48-8M0018718         17.25       34       48-8M0018747       48-8M0018748         17       34       48-8M0018777       48-8M0018778         16.75       34       48-8M0018807       48-8M0018808         16.5       34       48-8M0018837       48-8M0018808         16.5       34       48-8M0018897       48-8M0018808         16.5       34       48-8M001897       48-8M0018988         15.75       34       48-8M0018997       48-8M0018988         15.75       34       48-8M0018997       48-8M0018988         15.5       34       48-8M0018997       48-8M0018988         15.5       34       48-8M0018997       48-8M0018988				
16         33         48-8M0018895         48-8M0018896           15.75         33         48-8M0018925         48-8M0018926           15.5         33         48-8M0018955         48-8M0018986           15.25         33         48-8M0018985         48-8M0018986           15         33         48-8M0019015         48-8M0018986           15         33         48-8M0018657         48-8M0018658           17.75         34         48-8M0018687         48-8M0018688           17.5         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018777         48-8M001878           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018867         48-8M0018808           16.5         34         48-8M0018897         48-8M0018808           15.5         34         48-8M0018897         48-8M0018898           15.75         34         48-8M0018897         48-8M0018988           15.5         34         48-8M0018997         48-8M0018988           15.5         34         48-8M0018997         48-8M0018988 <td></td> <td></td> <td></td> <td></td>				
15.75         33         48-8M0018925         48-8M0018926           15.5         33         48-8M0018955         48-8M0018956           15.25         33         48-8M0018985         48-8M0018986           15         33         48-8M0019015         48-8M0019016           18         34         48-8M0018657         48-8M0018658           17.75         34         48-8M0018687         48-8M0018688           17.5         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018777         48-8M001878           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16.25         34         48-8M0018867         48-8M0018888           15         34         48-8M0018879         48-8M0018888           15.75         34         48-8M0018897         48-8M0018898           15.75         34         48-8M0018897         48-8M0018988           15.75         34         48-8M0018997         48-8M0018988           15.5         34         48-8M0018997         48-8M0018988           15.5         34         48-8M0018997         48-8M0018988<				
15.5         33         48-8M0018955         48-8M0018956           15.25         33         48-8M0018985         48-8M0018986           15         33         48-8M0019015         48-8M0018658           18         34         48-8M0018657         48-8M0018658           17.75         34         48-8M0018687         48-8M0018688           17.5         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018777         48-8M001878           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16.25         34         48-8M0018867         48-8M0018888           16         34         48-8M0018897         48-8M0018888           15.75         34         48-8M0018897         48-8M0018988           15.55         34         48-8M0018927         48-8M0018928           15.55         34         48-8M0018927         48-8M0018988           15         34         48-8M0018957         48-8M0018988           15         34         48-8M0018957         48-8M0018988           15         34         48-8M0018957         48-8M0018988				
15.25         33         48-8M0018985         48-8M0019016           15         33         48-8M0019015         48-8M0019016           18         34         48-8M0018657         48-8M0018658           17.75         34         48-8M0018687         48-8M0018688           17.5         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018777         48-8M0018784           17         34         48-8M0018807         48-8M001808           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16.25         34         48-8M0018867         48-8M0018868           16         34         48-8M0018897         48-8M0018898           15.75         34         48-8M0018927         48-8M001898           15.5         34         48-8M0018927         48-8M0018928           15.5         34         48-8M0018957         48-8M0018958           15.25         34         48-8M0018957         48-8M0018988           15         34         48-8M0018957         48-8M0018988           15         34         48-8M0018659         48-8M0018660	15.75		48-8M0018925	
15         33         48-8M0019015         48-8M0019016           18         34         48-8M0018657         48-8M0018658           17.75         34         48-8M0018687         48-8M0018688           17.5         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018747         48-8M001878           17         34         48-8M0018777         48-8M001878           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16         34         48-8M0018897         48-8M0018898           15.75         34         48-8M0018997         48-8M0018988           15.5         34         48-8M0018927         48-8M0018928           15.5         34         48-8M0018957         48-8M0018958           15.25         34         48-8M0018957         48-8M0018988           15         34         48-8M0018957         48-8M0018988           15         34         48-8M0018957         48-8M0018988           15         34         48-8M0018959         48-8M0018988           15         34         48-8M0018659         48-8M0018660			48-8M0018955	48- <b>8M0018956</b>
18         34         48-8M0018657         48-8M0018658           17.75         34         48-8M0018687         48-8M0018688           17.5         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018747         48-8M0018748           17         34         48-8M0018777         48-8M0018778           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16.25         34         48-8M0018867         48-8M0018868           16         34         48-8M0018897         48-8M0018898           15.75         34         48-8M0018927         48-8M0018928           15.5         34         48-8M0018957         48-8M0018958           15.25         34         48-8M0018957         48-8M0018958           15         34         48-8M0018957         48-8M0018958           15         34         48-8M0018957         48-8M0018958           15         34         48-8M0018957         48-8M0018988           15         34         48-8M0018090         48-8M0018090           17.75         35         48-8M0018719         48-8M0018720	15.25	33	48-8M0018985	48- <b>8M0018986</b>
17.75         34         48-8M0018687         48-8M0018688           17.5         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018747         48-8M0018748           17         34         48-8M0018777         48-8M0018778           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16.25         34         48-8M0018867         48-8M0018868           16         34         48-8M0018897         48-8M0018898           15.75         34         48-8M0018927         48-8M0018928           15.5         34         48-8M0018957         48-8M0018958           15.5         34         48-8M0018957         48-8M0018988           15         34         48-8M0018987         48-8M0018988           15         34         48-8M0018987         48-8M0018988           15         34         48-8M0018987         48-8M0018988           15         34         48-8M0018090         48-8M0018660           17.75         35         48-8M0018719         48-8M0018720           17.25         35         48-8M0018749         48-8M0018750	15	33	48-8M0019015	48- <b>8M0019016</b>
17.5         34         48-8M0018717         48-8M0018718           17.25         34         48-8M0018747         48-8M0018748           17         34         48-8M0018777         48-8M0018778           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16.25         34         48-8M0018867         48-8M0018868           16         34         48-8M0018897         48-8M0018988           15.75         34         48-8M0018927         48-8M0018928           15.5         34         48-8M0018957         48-8M0018958           15.5         34         48-8M0018957         48-8M0018988           15         34         48-8M0018970         48-8M0018988           15         34         48-8M0018097         48-8M0019018           18         35         48-8M0018090         48-8M0018660           17.75         35         48-8M0018699         48-8M0018720           17.25         35         48-8M0018749         48-8M0018750           17         35         48-8M0018779         48-8M0018780	18	34	48-8M0018657	48-8M0018658
17.25         34         48-8M0018747         48-8M0018778           17         34         48-8M0018807         48-8M0018808           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16.25         34         48-8M0018867         48-8M0018868           16         34         48-8M0018897         48-8M001898           15.75         34         48-8M0018927         48-8M0018928           15.5         34         48-8M0018957         48-8M0018958           15.25         34         48-8M0018987         48-8M0018988           15         34         48-8M0018987         48-8M0018988           15         34         48-8M0018987         48-8M0018988           15         34         48-8M0018987         48-8M0018988           15         34         48-8M0018090         48-8M0018660           17.75         35         48-8M0018719         48-8M0018720           17.25         35         48-8M0018749         48-8M0018750           17         35         48-8M0018779         48-8M0018780	17.75	34	48-8M0018687	48-8M0018688
17         34         48-8M0018777         48-8M0018788           16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16.25         34         48-8M0018867         48-8M0018868           16         34         48-8M0018897         48-8M0018988           15.75         34         48-8M0018927         48-8M0018928           15.5         34         48-8M0018957         48-8M0018958           15.25         34         48-8M0018987         48-8M0018988           15         34         48-8M0019017         48-8M0019018           18         35         48-8M0018659         48-8M0018660           17.75         35         48-8M0018719         48-8M0018720           17.25         35         48-8M0018749         48-8M0018750           17         35         48-8M0018779         48-8M0018780	17.5	34	48-8M0018717	48-8M0018718
16.75         34         48-8M0018807         48-8M0018808           16.5         34         48-8M0018837         48-8M0018838           16.25         34         48-8M0018867         48-8M0018868           16         34         48-8M0018897         48-8M0018988           15.75         34         48-8M0018927         48-8M0018928           15.5         34         48-8M0018957         48-8M0018958           15.25         34         48-8M0018987         48-8M0018988           15         34         48-8M0019017         48-8M0019018           18         35         48-8M0018659         48-8M0018660           17.75         35         48-8M0018719         48-8M0018720           17.25         35         48-8M0018749         48-8M0018750           17         35         48-8M0018779         48-8M0018780	17.25	34	48-8M0018747	48-8M0018748
16.5     34     48-8M0018837     48-8M0018838       16.25     34     48-8M0018867     48-8M0018868       16     34     48-8M0018897     48-8M0018898       15.75     34     48-8M0018927     48-8M0018928       15.5     34     48-8M0018957     48-8M0018958       15.25     34     48-8M0018987     48-8M0018988       15     34     48-8M0019017     48-8M0019018       18     35     48-8M0018659     48-8M0018660       17.75     35     48-8M0018719     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	17	34	48-8M0018777	48-8M0018778
16.25     34     48-8M0018867     48-8M0018868       16     34     48-8M0018897     48-8M0018898       15.75     34     48-8M0018927     48-8M0018928       15.5     34     48-8M0018957     48-8M0018958       15.25     34     48-8M0018987     48-8M0018988       15     34     48-8M0019017     48-8M0019018       18     35     48-8M0018659     48-8M0018660       17.75     35     48-8M001879     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	16.75	34	48-8M0018807	48-8M0018808
16     34     48-8M0018897     48-8M0018898       15.75     34     48-8M0018927     48-8M0018928       15.5     34     48-8M0018957     48-8M0018958       15.25     34     48-8M0018987     48-8M0018988       15     34     48-8M0019017     48-8M0019018       18     35     48-8M0018659     48-8M0018660       17.75     35     48-8M0018689     48-8M001879       17.25     35     48-8M0018719     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	16.5	34	48-8M0018837	48-8M0018838
15.75     34     48-8M0018927     48-8M0018928       15.5     34     48-8M0018957     48-8M0018958       15.25     34     48-8M0018987     48-8M0018988       15     34     48-8M0019017     48-8M0019018       18     35     48-8M0018659     48-8M0018660       17.75     35     48-8M0018689     48-8M0018690       17.5     35     48-8M0018719     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	16.25	34	48-8M0018867	48- <b>8M0018868</b>
15.5     34     48-8M0018957     48-8M0018958       15.25     34     48-8M0018987     48-8M0018988       15     34     48-8M0019017     48-8M0019018       18     35     48-8M0018659     48-8M0018660       17.75     35     48-8M0018689     48-8M0018690       17.5     35     48-8M0018719     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	16	34	48-8M0018897	48-8M0018898
15.25     34     48-8M0018987     48-8M0018988       15     34     48-8M0019017     48-8M0019018       18     35     48-8M0018659     48-8M0018660       17.75     35     48-8M0018689     48-8M0018690       17.5     35     48-8M0018719     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	15.75	34	48-8M0018927	48-8M0018928
15     34     48-8M0019017     48-8M0019018       18     35     48-8M0018659     48-8M0018660       17.75     35     48-8M0018689     48-8M0018690       17.5     35     48-8M0018719     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	15.5	34	48-8M0018957	48-8M0018958
18     35     48-8M0018659     48-8M0018660       17.75     35     48-8M0018689     48-8M0018690       17.5     35     48-8M0018719     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	15.25	34	48-8M0018987	48-8M0018988
17.75     35     48-8M0018689     48-8M0018690       17.5     35     48-8M0018719     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	15	34	48-8M0019017	48-8M0019018
17.5     35     48-8M0018719     48-8M0018720       17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	18	35	48-8M0018659	48- <b>8M</b> 0018660
17.25     35     48-8M0018749     48-8M0018750       17     35     48-8M0018779     48-8M0018780	17.75	35	48-8M0018689	48-8M0018690
17 35 48-8M0018779 48-8M0018780	17.5	35	48-8M0018719	48- <b>8M0018720</b>
	17.25	35	48-8M0018749	48-8M0018750
16.75 35 48-8M0018809 48-8M0018810	17	35	48-8M0018779	48- <b>8M0018780</b>
	16.75	35	48-8M0018809	48-8M0018810

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16.5	35	48-8M0018839	48-8M0018840
16.25	35	48-8M0018869	48-8M0018870
16	35	48-8M0018899	48-8M0018900
15.75	35	48-8M0018929	48-8M0018930
15.5	35	48-8M0018959	48-8M0018960
15.25	35	48-8M0018989	48-8M0018990
15	35	48-8M0019019	48-8M0019020
18	36	48-8M0018661	48-8M0018662
17.75	36	48-8M0018691	48-8M0018692
17.5	36	48-8M0018721	48-8M0018722
17.25	36	48- <b>8M0018751</b>	48-8M0018752
17	36	48- <b>8M0018781</b>	48-8M0018782
16.75	36	48-8M0018811	48-8M0018812
16.5	36	48-8M0018841	48-8M0018842
16.25	36	48- <b>8M0018871</b>	48-8M0018872
16	36	48- <b>8M0018901</b>	48-8M0018902
15.75	36	48-8M0018931	48-8M0018932
15.5	36	48-8M0018961	48-8M0018962
15.25	36	48-8M0018991	48-8M0018992
15	36	48-8M0019021	48-8M0019022
18	37	48-8M0018663	48-8M0018664
17.75	37	48-8M0018693	48-8M0018694
17.5	37	48-8M0018723	48-8M0018724
17.25	37	48-8M0018753	48-8M0018754
17	37	48-8M0018783	48-8M0018784
16.75	37	48-8M0018813	48-8M0018814
16.5	37	48-8M0018843	48-8M0018844
16.25	37	48-8M0018873	48-8M0018874
16	37	48-8M0018903	48-8M0018904
15.75	37	48-8M0018933	48-8M0018934
15.75	37	48-8M0018963	48-8M0018964
15.25	37	48-8M0018993	48-8M0018994
15	37	48-8M0019023	48-8M0019024
18	38	48-8M0018665	48-8M0018666
17.75	38	48-8M0018695	48-8M0018696
17.5	38	48-8M0018725	48-8M0018726
17.25	38	48-8M0018755	48-8M0018756
17	38	48-8M0018785	48-8M0018786
16.75	38	48-8M0018815	48-8M0018816
16.5	38	48-8M0018845	48-8M0018846
16.25	38	48-8M0018875	48-8M0018876
16	38	48-8M0018905	48-8M0018906
15.75	38	48-8M0018935	48-8M0018936
15.5	38	48-8M0018965	48-8M0018966
15.25	38	48- <b>8M0018995</b>	48-8M0018996
15	38	48-8M0019025	48-8M0019026
18	39	48-8M0018667	48-8M0018668
17.75	39	48-8M0018697	48-8M0018698
17.5	39	48-8M0018727	48-8M0018728
17.25	39	48- <b>8M0018757</b>	48-8M0018758
17	39	48- <b>8M</b> 001 <b>8787</b>	48-8M0018788
16.75	39	48-8M0018817	48-8M0018818
16.5	39	48-8M0018847	48-8M0018848
16.25	39	48-8M0018877	48-8M0018878

Diameter (Inches)	Pitch	LH Rotation	RH Rotation
16	39	48-8M0018907	48-8M0018908
15.75	39	48-8M0018937	48-8M0018938
15.5	39	48-8M0018967	48-8M0018968
15.25	39	48-8M0018997	48-8M0018998
15	39	48-8M0019027	48-8M0019028
18	40	48-8M0018669	48-8M0018670
17.75	40	48-8M0018699	48-8M0018700
17.5	40	48-8M0018729	48-8M0018730
17.25	40	48- <b>8M</b> 0018759	48-8M0018760
17	40	48-8M0018789	48-8M0018790
16.75	40	48-8M0018819	48-8M0018820
16.5	40	48-8M0018849	48-8M0018850
16.25	40	48-8M0018879	48-8M0018880
16	40	48- <b>8M</b> 001 <b>89</b> 09	48-8M0018910
15.75	40	48- <b>8M0018939</b>	48-8M0018940
15.5	40	48-8M0018969	48-8M0018970
15.25	40	48-8M0018999	48-8M0019000
15	40	48-8M0019029	48-8M0019030

# QUICKSILVER PROPELLER APPLICATION CHARTS

# **EVINRUDE/JOHNSON OUTBOARD APPLICATION CHARTS**

# 9.5-14 Horsepower - Evinrude/Johnson

9.5 HP 1964-73 10 HP 1958-63 10-14 HP Commercial 1982-94 Pin Drive

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
All Purpose		8 1/4 X 8 RH	AL	3	Black Diamond	QA3178R	387334	Rubber Bushing

#### 8-15 Horsepower - Evinrude/Johnson

9.9 - 15 HP 2-Strokes 1974-2000 8 - 9.9 - 15 HP 4-Strokes 2000-2001 13 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
All Purpose		9.25 X 10 RH	AL	3	Black Diamond	QA3168R	174950	Rubber Bushing
All Purpose		9.25 X 11 RH	AL	3	Black Diamond	QA3170R	174817	Rubber Bushing

#### 15-25 Horsepower - Evinrude/Johnson

15 HP 1953-56 18 HP 1957-73 20 HP 1969-73 25 HP 1969-77 Pin Drive

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
12-16 / 3.6-4.8	20-28 / 32-45	9 X 10 RH	AL	3	Black Diamond	QA3150R	383629	Rubber Bushing
12-14 / 3.6-4.2	25-32 / 40-51	9 1/4 X 11 RH	AL	3	Black Diamond	QA3152R	388088	Rubber Bushing

# 20-35 Horsepower - Evinrude/Johnson

20 HP 1984-97 25 HP 2 & 3 Cyl. 1984 & Newer (including ETEC) 25 HP Commercial 1993 & Newer 35 HP 2 & 3 Cyl. 1976 & Newer 30 HP 2 Cyl. 1984 & Newer (including ETEC) 14 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
17-20 / 5.2-6.1	10-20 / 16-32	10 1/2 X 11 RH	AL	3	Black Diamond	QA3114R	175190	Rubber Bushing
13-15 / 3.9-4.5	26-34 / 42-54	10 X 13 RH	AL	3	Black Diamond	QA3118R	175191	Rubber Bushing

# 40-50 Horsepower - Johnson 4-Stroke

40 HP 4-Stroke 2000-2007 50 HP 4-Stroke 2000-2007 13 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
14-19 / 4.2-5.8	16-26 / 26-42	11 1/2 X 13 RH	AL	3	Black Diamond	QA2078X	5031619	Rubber Bushing



#### 45-75 Hp Large Gearcase - Evinrude/Johnson

40 HP ETEC 2004 & Newer

45 HP 2 Cyl Commercial 1986 & Newer

50 HP ETEC 2004 & Newer

50 HP 2 Cyl. 1971-74

50 HP 2 Cyl Commercial 1977-79

50 HP 3 Cyl. 1994-99

55 HP 3 Cyl. 1968-69

55 HP 2 Cyl. Commercial 1980 & Newer

60 HP ETÉC 2004 & Newer 60 HP 3 Cyl. 1970-71, 1986 & Newer

65 HP 3 Cyl. 1972-73

65 HP 3 Cyl. Commercial 1984 & Newer

70 HP 3 & 4 Cyl. 1974 & Newer (including 4-stroke)

75 HP 3 Cyl. 1975-84

75 HP ETEC 2004 & Newer

13 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
19-22 / 5.8-6.7	17-26 / 27-42	14 X 13 RH Extra Cup	AL	3	Black Diamond	QA3832X	391668	(1)
17-19 / 5.2-5.8	23-31 / 37-50	13 3/4 X 15 RH	AL	3	Black Diamond	QA2208X	391198	(1)
16-19 / 4.8-5.8	29-36 / 47-58	13 1/4 X 17 RH	AL	3	Black Diamond	QA2206X	391199	(1)

<sup>(1)</sup> Use Flo-Torq II attaching hardware kit 835266Q1. Purchase Separately.

#### 85 HP-140 HP V-4 Outboard - Evinrude/Johnson

85 HP V-4 1969-80

85 HP V-4 1991-95

88 HP V-4 1981-96

90 HP V-4 1981 & Newer

90 HP ETEC 2004 & Newer

100 HP V-4 1979-80

100 HP V-4 1988-93

110 HP V-4 1986-89

112 HP V-4 1994-96

115 HP V-4 1973 & Newer

115 HP V-4 ETEC 2004 & Newer

120 HP V-4 1986-94

125 HP V-4 1971-72

130 HP V-4 ETEC 2004 & Newer

135 HP V-4 1973-76

140 HP V-4 1977-84

13 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
22-29 / 6.6-8.8	14-28 / 23-45	14 X 13 RH extra cup	AL	3	Black Diamond	QA3832X	391668	(1)
21-26 / 6.4-7.8	24-36 / 39-58	13 3/4 X 15 RH	AL	3	Black Diamond	QA2208X	391198	(1)
18-21 / 5.5-6.4	30-42 / 48-68	13 1/4 X 17 RH	AL	3	Black Diamond	QA2206X	391199	(1)

<sup>(1)</sup> Use Flo-Torq II attaching hardware kit 835266Q1. Purchase separately.

#### 100 HP-300 HP V-6/V-8 Outboard - Evinrude/Johnson

100 HP V-4 Commercial 1984 & Newer, 115 HP V-4 95 & Newer

120 HP V-4 1985, 130 HP V-4 1995 & Newer

140 HP V-4 (25") 1989-94, 140 HP V-4 1985

150 HP V-6 Commercial 1993 & Newer

150 HP V-6 1978 & Newer (including ETEC)

155 HP V-6 Commercial 1978 & Newer

175 HP V-6 1977 & Newer (including ETEC)

185 HP V-6 1984-85, 200 HP V-6 1976 & Newer

200 HP V-6 ETEC

225 HP V-6 1986 & Newer, 250 HP V-8 1991 & Newer (including ETEC)

250 HP V-6 ETEC

250 HP HO V-6 ETEC

275-300 HP V-8 Two Strokes 1986-95

300 HP V-6 ETEC

150-300 HP E-TEC G2

15 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Pontoon	to 26 / to 42	14 x 12 RH	AL	4	Nemesis	48-8M0055531		(1)
Pontoon	to 29 / to 46	14 x 14 RH	AL	4	Nemesis	48-8M0055533		(1)
21-26 / 6.4-7.8	30-42 / 48-68	14 X 17 RH	AL	4	Nemesis	48-8M0055534		(1)
19-22 / 5.8-6.7	36-49 / 58-79	14 X 19 RH	AL	4	Nemesis	48-8M0055535		(1)
17-20 / 5.2-6.1	42-56 / 68-90	14 X 21 RH	AL	4	Nemesis	48-8M0055536		(1)
15-19 / 4.5-5.8	50-64 / 81-103	14 X 23 RH	AL	4	Nemesis	48-8M0055537		(1)
House/Pontoon	10-25 / 16-40	16 X 13 RH	AL	3	Black Diamond	QA2004X	391536	(1)
House/Cruisers	24-36 / 39-58	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X		(1)
House/Cruisers	24-36 / 39-58	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	391535	(1)
21-26 / 6.4-7.8	30-42 / 48-68	15 X 17 RH	AL	3	Black Diamond	QA1912X	391200	(1)
19-22 / 5.8-6.7	36-49 / 58-79	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X	391201	(1)
17-20 / 5.2-6.1	42-56 / 68-90	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X	391202	(1)
15-19 / 4.5-5.8	50-64 / 81-103	14 X 23 RH	AL	3	Black Diamond	QA1920X	391203	(1)
House/Cruisers	24-36 / 39-58	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	174926	(1)
21-26 / 6.4-7.8	30-42 / 48-68	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	176615	(1)
19-22 / 5.8-6.7	36-49 / 58-79	14 X 19 RH	SS	3	Silverado	QS5054X	176617	(1)
17-20 / 5.2-6.1	42-56 / 68-90	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	176619	(1)
21-26 / 6.4-7.8	30-42 / 48-68	13 1/2 X 17 RH	SS	5	QST 5	QS1154X		(1)
19-22 / 5.8-6.7	36-49 / 58-79	13 1/3 X 19 RH	SS	5	QST 5	QS5758X		(1)
17-20 / 5.2-6.1	42-56 / 68-90	13 1/3 X 21 RH	SS	5	QST 5	QS5760X		(1)
House/Cruisers	24-36 / 39-58	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X		(1)
21-26 / 6.4-7.8	30-42 / 48-68	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X		(1)
19-22 / 5.8-6.7	36-49 / 58-79	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X		(1)
17-20 / 5.2-6.1	42-56 / 68-90	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X		(1)
17-20 / 5.2-6.1	42-56 / 68-90	14 5/8 X 21 RH	SS	3	Torrent	QS5862X		(1)(2)
15-19 / 4.5-5.8	50-64 / 81-103	14 5/8 X 23 RH	SS	3	Torrent	QS5864X		(1)(2)
High Perf.	55-67 / 89-108	14 5/8 X 25 RH	SS	3	Torrent	QS5866X		(1)(2)
Pontoon	10-25 / 16-40	16 X 11P RH	SS	3	Q3	48-8M0103516		(1)
Pontoon	11-26 / 17-41	15.6 X 13P RH	SS	3	Q3	48-8M0103517		(1)
Pontoon	12-27 / 18-42	15.3 X 14P RH	SS	3	Q3	48-8M0103518		(1)
Pontoon/Cruiser	17-30 / 27-49	15 X 15P RH	SS	3	Q3	48-8M0103519		(1)
21-26 / 6.4-7.8	24-36 / 43-63	14.7 X 16P RH	SS	3	Q3	48-8M0103520		(1)
21-26 / 6.4-7.8	30-42 / 48-68	14.5 X 17P RH	SS	3	Q3	48-8M0103521		(1)
19-22 / 5.8-6.7	33-45 / 53-73	14.2 X 18P RH	SS	3	Q3	48-8M0103522		(1)
19-22 / 5.8-6.7	36-49 / 58-79	14.0 X 19P RH	SS	3	Q3	48-8M0103523		(1)
17-20 / 5.2-6.1	39-52 / 63-84	13.8 X 20P RH	SS	3	Q3	48-8M0103524		(1)
17-20 / 5.2-6.1	42-56 / 68-90	13.6 X 21P RH	SS	3	Q3	48-8M0103525		(1)
21-26 / 6.4-7.8	30-42 / 48-68	14.6 X 17P RH	SS	4	Q4	48-8M0103526		(1)(2)
19-22 / 5.8-6.7	36-49 / 58-79	14.6 X 19P RH	SS	4	Q4	48-8M0103528		(1)(2)



Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
17-20 / 5.2-6.1	42-56 / 68-90	14.6 X 21P RH	SS	4	Q4	48-8M0103530		(1)(2)
15-19 / 4.5-5.8	50-64 / 81-103	14.6 X 23P RH	SS	4	Q4	48-8M0103532		(1)(2)
LH Propellers		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X		(1)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X		(1)
		14.6 X 17P LH	SS	4	Q4	48-8M0103527		(1)(2)
		14.6 X 19P LH	SS	4	Q4	48-8M0103529		(1)(2)
		14.6 X 21P LH	SS	4	Q4	48-8M0103531		(1)(2)
		14.6 X 23P LH	SS	4	Q4	48- <b>8M0103533</b>		(1)(2)

<sup>(1)</sup> Use Flo-Torq II hub kit 835265Q02 for 1991 and newer non E-TEC G2 applications. Use Flo-Torq II hub kit 835267Q1 for 1990 and older applications. Use Flo-Torq II hub kit 8M0107220 for 2014 and newer E-TEC G2 outboards 200-300 hp. Purchase separately.

# FORCE OUTBOARD APPLICATION CHARTS

#### 3.5 HP-8 HP - Force

3.5 HP 1980-1984 5 HP 1987-1998 4-8 HP 1968-1988 Flo-Torq I Round Rubber Hub = 318304-3 Prop Pin = FA324101

Length (ft/m)	Propeller Size	Material	Blades	Quicksilver PN	Hub System
All	7.25 x 6.5 RH	Nylon	3	48-820110A20(1)	Rubber Bushing

<sup>(1)</sup> Standard with 5 HP Engine

# 9.9-15 Horsepower - Chrysler

9.9 HP - 15 HP 1968-1983 Pin Drive

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	Hub System
All Purpose		8 X 8.5 RH	PL	3	Black Diamond	48-FP6430	Pin Drive
All Purpose		8 X 9 RH	PL	3	Black Diamond	FP6477	Pin Drive

# 9.9-15 Horsepower - Force

9.9 HP 1996-1998 15 HP 1996-1998 8 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
15-20 / 4.5-6.1	15-18 / 24-29	9 X 7 RH	AL	3	Black Diamond	QA2124R	828152A12	Rubber Bushing
14-19 / 4.2-2.8	16-22 / 25-35	9 X 8 RH	AL	3	Black Diamond	QA2126R	828154A12	Rubber Bushing
to 17 / to 5.2	19-24 / 31-38	9 X 9 RH	AL	3	Black Diamond	QA2128R	828156A12	Rubber Bushing
to 16 / to 4.8	21-28 / 33-45	9 X 10 1/2 RH	AL	3	Black Diamond	QA2130R	828158A12	Rubber Bushing

# 25 Horsepower - Force

25 HP 3 Cyl. 1995-1998 10 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
12-15 / 3.6-4.5	24-30 / 38-48	10 3/8 X13 RH	AL	3	Black Diamond	QA2106R	19640A40	Rubber Bushing

<sup>(2)</sup> Use forward bushing 23-856163Q1 along with Flo-Torq hub kit for surface piercing applications with the Q4 and Torrent propellers. Purchase separately.

# 40-75 Horsepower - Force

40 - 50 HP 1995-1998 75 HP 1996-98 13 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Work	to 17 / to 27	12 1/2 X 8 RH	AL	3	Black Diamond	QA2060X	42738A11	(1)
Work/Pontoon	13-18 / 21-29	12 1/4 X 9 RH	AL	3	Black Diamond	QA2062X	87818A11	(1)
17-22 / 5.2-6.7	18-22 / 29-35	11 1/4 X 10 RH	AL	3	Black Diamond	QA2064X	73132A40	(1)
16-20 / 4.8-6.1	20-24 / 32-38	10 7/8 X 11 RH	AL	3	Black Diamond	QA2070X	85632A40	(1)
15-19 / 4.5-5.8	23-27 / 37-43	10 3/4 X 12 RH	AL	3	Black Diamond	QA2072X	816702A40	(1)
15-19 / 4.5-5.8	23-27 / 37-43	10 5/8 X 12 RH	AL	3	Black Diamond	QA2074X	73134A40	(1)
15-18 / 4.5-5.5	26-30 / 42-48	10 1/2 X 13 RH	AL	3	Black Diamond	QA2076X	816704A40	(1)
15-18 / 4.5-5.5	26-30 / 42-48	10 3/8 X 13 RH	AL	3	Black Diamond	QA2078X	73136A40	(1)
14-17 / 4.2-5.2	29-32 / 46-51	10 3/8 X 14 RH	AL	3	Black Diamond	QA2080X	816706A40	(1)
14-17 / 4.2-5.2	29-32 / 46-51	10 1/4 X 14 RH	AL	3	Black Diamond	QA2082X	73138A40	(1)
13-16 / 4.0-4.8	31-34 / 50-54	10 1/8 X 15 RH	AL	3	Black Diamond	QA2084X	73140A40	(1)
16-20 / 4.8-6.1	20-24 / 32-38	10.6 X 11 RH	AL	4	Nemesis	48-8M8027510	48-8M8026620	(1)
15-19 / 4.5-5.8	23-27 / 37-43	10.6 X 12 RH	AL	4	Nemesis	48-8M8027511	48-8M8026625	(1)
15-18 / 4.5-5.5	26-30 / 42-48	10.3X 13 RH	AL	4	Nemesis	48-8M8027512	48-8M8026630	(1)
14-17 / 4.2-5.2	29-32 / 46-51	10.1 X 14 RH	AL	4	Nemesis	48-8M8027513	48-8M8026635	(1)
13-16 / 4.0-4.8	31-34 / 50-54	10.1 X 15 RH	AL	4	Nemesis	48-8M8027514	48-8M8026640	(1)
15-18 / 4.5-5.5	26-30 / 42-48	10 1/2 X 13 RH	SS	3	Silverado	QS5166X	855858A5	(1)
14-17 / 4.2-5.2	29-32 / 46-51	10 3/8 X 14 RH	SS	3	Silverado	QS5168X	855860A5	(1)
13-16 / 4.0-4.8	31-34 / 50-54	10 1/4 X 15 RH	SS	3	Silverado	QS5170X	855862A5	(1)

<sup>(1)</sup> Flo-Torq Reflex Hub System. Hub and required hardware included in box.

# 75-150 Horsepower - Force

75 HP 1999 & Newer 90, 120, 150 HP 1995 & Newer 15 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Work	to 14 / to 23	14 X 9 RH	AL	3	Black Diamond	QA2026X	854340A45	(1)
Pontoon/Work	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2028X	854342A45	(1)
Pontoon	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2828X	854342CP1	(1)(2)
25+ / 7.6	18-21 / 29-34	14 X 11 RH	AL	3	Black Diamond	QA2030X	77338A45	(1)
Pontoon	18-21 / 29-34	14 X 11 RH	AL	3	Black Diamond	QA2830X	77338CP1	(1)(2)
22+ / 6.7	24-27 / 38-43	14 X 13 RH	AL	3	Black Diamond	QA2032X	77340A45	(1)
Pontoon	24-27 / 38-43	14 X 13 RH	AL	3	Black Diamond	QA2832X	77340CP1	(1)(2)
19-24 / 5.8-7.3	30-33 / 48-52	13 3/4 X 15 RH	AL	3	Black Diamond	QA2034X	77342A45	(1)
17-21 / 5.2-6.4	36-39 / 58-63	13 1/4 X 17 RH	AL	3	Black Diamond	QA2036X	77344A45	(1)
16-19 / 4.8-5.8	41-45 / 66-72	13 X 19 RH	AL	3	Black Diamond	QA2038X	77346A45	(1)
15-18 / 4.5-5.5	43-48 / 69-77	12 3/4 X 21 RH	AL	3	Black Diamond	QA2040X	77348A45	(1)
to 16 / to 4.8	46-52 / 74-84	12 1/2 X 23 RH	AL	3	Black Diamond	QA2042X	77350A45	(1)
Pontoon	to 19 / to 31	13.8 X 10 RH	AL	4	Nemesis Pontoon	48-8M8027497	48-8M8026555	(1)
Pontoon	18-21 / 29-34	13.8 X 11 RH	AL	4	Nemesis Pontoon	48-8M8027498	48-8M8026560	(1)
Pontoon	24-27 / 38-43	13.8 X 13 RH	AL	4	Nemesis Pontoon	48-8M8027500	48-8M8026570	(1)
19-24 / 5.8-7.3	30-33 / 48-52	13.4X 15 RH	AL	4	Nemesis	48-8M8027502	48-8M8026570	(1)
17-21 / 5.2-6.4	36-39 / 58-63	13.0 X 17 RH	AL	4	Nemesis	48-8M8027504	48-8M8026590	(1)
16-19 / 4.8-5.8	41-45 / 66-72	12.5 X 19 RH	AL	4	Nemesis	48-8M8027506	48-8M8026600	(1)
Pontoon	24-27 / 38-43	13.5 X 13 RH	SS	4	Q4	48-8M0055559	48-8M0055547	(1)
19-24 / 5.8-7.3	30-33 / 48-52	13.0X 15 RH	SS	4	Q4	48-8M0055560	48-8M0055548	(1)
17-21 / 5.2-6.4	36-39 / 58-63	12.7 X 17 RH	SS	4	Q4	48-8M0055561	48-8M0055549	(1)
16-19 / 4.8-5.8	41-45 / 66-72	12.7 X 19 RH	SS	4	Q4	48- <b>8M0055562</b>	48- <b>8M0055550</b>	(1)
19-24 / 5.8-7.3	30-33 / 48-52	13 3/8 X 14 RH	SS	3	Silverado	QS5114X	17314A46	(1)

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
17-21 / 5.2-6.4	36-39 / 58-63	13 1/8 X 16 RH	SS	3	Silverado	QS5116X	16986A46	(1)
16-19 / 4.8-5.8	41-45 / 66-72	13 X 18 RH	SS	3	Silverado	QS5118X	16988A46	(1)

(1) Use Flo-Torq II attaching hardware kit 835257Q1. Purchase separately.

# HONDA OUTBOARD APPLICATION CHARTS

# 7.5-10 Horsepower - Honda

7.5 HP 1978-87 BF 8 HP 1987-1999 BF 100 (10 HP) All Years Pin Drive

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
All Purpose		9 X 10 RH	AL	3	Black Diamond	QA3150R		Rubber Bushing
All Purpose		9 1/4 X 11 RH	AL	3	Black Diamond	QA3152R		Rubber Bushing

#### 9.9-20 Horsepower - Honda

BF 8 2000 & Newer BF 9.9 HP 1988 & Newer BF 15 HP All Years BF 20 2003 & Newer 8 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
14-16 / 4.2-4.8	17-21 / 27-34	9 1/4 X 9 RH	AL	3	Black Diamond	QA3906R	58130-ZV4-701ZA	Rubber Bushing
to 15 / to 4.5	21-26 / 34-42	9 1/4 X 10 1/2 RH	AL	3	Black Diamond	QA3914R	58130-ZV4-030ZA	Rubber Bushing

# 25-30 Horsepower

25-30 Horsepower

BF 25 All Years

BF 30 All Years

10 Tooth Spline

Use existing Honda nut and washer

Length (ft/m)	Current MPH/KPH	Propeller Size	Material	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
16+ / 4.8+	to 20 / to 32	10 x 8 RH	Alum	3	Black Diamond	QA2190R	48- <b>896890A10</b>	Rubber Bushing
13-17 / 3.9-5.2	17-26 / 27-42	9.75 x 9.5 RH	Alum	3	Black Diamond	QA2192R	48- <b>896892A40</b>	Rubber Bushing
13-16 / 3.9-4.8	21-31 / 34-47	9.5 x 11 RH	Alum	3	Black Diamond	QA2196R	48- <b>896896A40</b>	Rubber Bushing
to 16 / to 4.8	25-36 / 40-58	9.25 x 12.5 RH	Alum	3	Black Diamond	QA2200R	48- <b>896900A40</b>	Rubber Bushing
13-17 / 3.9-5.2	17-26 / 27-42	9.3 x 9.5 RH	Alum	4	Nemesis	48-8M8027516	48- <b>8M8026650</b>	Rubber Bushing
13-16 / 3.9-4.8	21-31 / 34-47	9.3 x 11 RH	Alum	4	Nemesis	48- <b>8M8027517</b>	48- <b>8M8026655</b>	Rubber Bushing

# 35-60 Horsepower - Honda

BF 35 HP 1991-94

BF 40 HP 1995 & Newer

BF 45 HP 1991-94

BF 50/50A HP 1995 & Newer

BF 60 Small Gearcase

13 Tooth Spline

Flo-Torq Reflex Propeller. Replace existing forward thrust washer with Quicksilver thrust washer 8M0046466. Purchase separately.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Pontoon	11-17 / 17-27	12 1/2 X 8 RH	AL	3	Black Diamond	QA2060X		(1)
Pontoon	16-21 / 25-34	12 1/4 X 9 RH	AL	3	Black Diamond	QA2062X	58130-ZV5-009AH	(1)
17+ / 5.2	20-24 / 32-38	11 1/4 X 10 RH	AL	3	Black Diamond	QA2064X		(1)
16-18 / 4.8-5.5	23-28 / 37-45	10 7/8 X 11 RH	AL	3	Black Diamond	QA2070X	58130-ZV5-850ZA	(1)
15-17 / 4.5-5.2	26-32 / 42-51	10 3/4 X 12 RH	AL	3	Black Diamond	QA2072X	58130-ZV5-012AH	(1)

<sup>(2)</sup> Extra Cup Version.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
15-17 / 4.5-5.2	26-32 / 42-51	10 5/8 X 12 RH	AL	3	Black Diamond	QA2074X	58130-ZV5-000ZA	(1)
14-17 / 4.2-5.2	30-35 / 48-57	10 1/2 X 13 RH	AL	3	Black Diamond	QA2076X	58130-ZV5-013AH	(1)
14-17 / 4.2-5.2	30-35 / 48-57	10 3/8 X 13 RH	AL	3	Black Diamond	QA2078X	58130-ZV5-012AH	(1)
14-16 / 4.2-4.8	33-39 / 53-63	10 3/8 X 14 RH	AL	3	Black Diamond	QA2080X	58130-ZV5-014AH	(1)
14-16 / 4.2-4.8	33-39 / 53-63	10 1/4 X 14 RH	AL	3	Black Diamond	QA2082X	58130-ZV5-013AH	(1)
13-15 / 4.0-4.5	36-43 / 58-69	10 1/8 X 15 RH	AL	3	Black Diamond	QA2084X	58130-ZV5-870ZA	(1)
16-18 / 4.8-5.5	23-28 / 37-45	10.6 X 11 RH	AL	4	Nemesis	48-8M8027510		(1)
15-17 / 4.5-5.2	26-32 / 42-51	10.6 X 12 RH	AL	4	Nemesis	48-8M8027511		(1)
14-17 / 4.2-5.2	30-35 / 48-57	10.3 X 13 RH	AL	4	Nemesis	48-8M8027512		(1)
14-16 / 4.2-4.8	33-39 / 53-63	10.1 X 14 RH	AL	4	Nemesis	48-8M8027513		(1)
13-15 / 4.0-4.5	36-43 / 58-69	10.1 X 15 RH	AL	4	Nemesis	48-8M8027514		(1)
14-17 / 4.2-5.2	30-35 / 48-57	10 1/2 X 13 RH	SS	3	Silverado	QS5166X	58110-ZV5-E20	(1)
14-16 / 4.2-4.8	33-39 / 53-63	10 3/8 X 14 RH	SS	3	Silverado	QS5168X	58110-ZV5-E10	(1)
13-15 / 4.0-4.5	36-43 / 58-69	10 1/4 X 15 RH	SS	3	Silverado	QS5170X	58110-ZV5-E00	(1)

<sup>(1)</sup> Flo-Torq Reflex Propeller. Replace existing forward thrust washer with Quicksilver thrust washer 8M0046466. Purchase separately.

# 60 BFP, 75-130 Horsepower - Honda

60 BFP 1995 & newer (Large Gearcase)

75 HP 1995 & Newer 90 HP 1995 & Newer 115 HP 1998 & Newer 130 HP 1998 & Newer

130 HP 1998 & 1 15 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Work	to 14 / to 23	14 X 9 RH	AL	3	Black Diamond	QA2026X		(1)
Pontoon/Work	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2028X		(1)
Pontoon/Work	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2828X		(1)(2)
25+ / 7.8	18-21 / 29-34	14 X 11 RH	AL	3	Black Diamond	QA2030X	58130-ZW1-W01 ZA	(1)
Pontoon	18-21 / 29-34	14 X 11 RH	AL	3	Black Diamond	QA2830X		(1)(2)
22+ / 6.7	24-27 / 39-44	14 X 13 RH	AL	3	Black Diamond	QA2032X	58130-ZW1-W11 ZA	(1)
Pontoon	24-27 / 39-44	14 X 13 RH	AL	3	Black Diamond	QA2832X		(1)(2)
19-24 / 5.8-7.3	30-33 / 48-53	13 3/4 X 15 RH	AL	3	Black Diamond	QA2034X	58130-ZW1-W21 ZA	(1)
17-21 / 5.2-6.4	36-39 / 58-63	13 1/4 X 17 RH	AL	3	Black Diamond	QA2036X	58130-ZW1-W31 ZA	(1)
16-19 / 4.8-5.8	41-45 / 66-73	13 X 19 RH	AL	3	Black Diamond	QA2038X	58130-ZW1-W61 ZA	(1)
15-18 / 4.5-4.5	43-48 / 69-77	12 3/4 X 21 RH	AL	3	Black Diamond	QA2040X	58130-ZW1-W41	(1)
to 16 / to 4.8	46-52 / 74-84	12 1/2 X 23 RH	AL	3	Black Diamond	QA2042X	58130-ZW1-W50	(1)
Pontoon	to 19 / to 31	13.8 X 10 RH	AL	4	Nemesis Pontoon	48-8M8027497		(1)
Pontoon	18-21 / 29-34	13.8 X 11 RH	AL	4	Nemesis Pontoon	48-8M8027498		(1)
Pontoon	24-27 / 39-44	13.8 X 13 RH	AL	4	Nemesis Pontoon	48-8M8027500		(1)
19-24 / 5.8-7.3	30-33 / 48-53	13.4 X 15 RH	AL	4	Nemesis	48-8M8027502		(1)
17-21 / 5.2-6.4	36-39 / 58-63	13.0 X 17 RH	AL	4	Nemesis	48-8M8027504		(1)
16-19 / 4.8-5.8	41-45 / 66-73	12.5 X 19 RH	AL	4	Nemesis	48-8M8027506		(1)
Pontoon	24-27 / 39-44	14 X 13 RH	AL	4	Q4	48-8M0055559		(1)
19-24 / 5.8-7.3	30-33 / 48-53	13.5 X 15 RH	AL	4	Q4	48-8M0055560		(1)
17-21 / 5.2-6.4	36-39 / 58-63	13.0 X 17 RH	AL	4	Q4	48-8M0055561		(1)
16-19 / 4.8-5.8	41-45 / 66-73	12.7 X 19 RH	AL	4	Q4	48-8M0055562		(1)
15-18 / 4.5-4.5	43-48 / 69-77	12.7 X 21 RH	AL	4	Q4	48-8M0055563		(1)
19-24 / 5.8-7.3	30-33 / 48-53	13 3/8 X 14 RH	SS	3	Silverado	QS5114X	58133-ZW1-A13AH	(1)
17-21 / 5.2-6.4	36-39 / 58-63	13 1/8 X 16 RH	SS	3	Silverado	QS5116X	58133-ZW1-A15AH	(1)
16-19 / 4.8-5.8	41-45 / 66-73	13 X 18 RH	SS	3	Silverado	QS5118X	58133-ZW1-A17AH	(1)

<sup>(1)</sup> Use Flo-Torq II attaching hardware kit 835277Q1for 75-90 HP thru 1998 or 835279Q2 for 75-90 HP 1999 and newer, 115-130 HP all years. Purchase separately.



<sup>(2)</sup> Extra Cup Version

# 115 D, 135-250 Horsepower - Honda

115D, 135 -150 HP 2004 & Newer 200 - 250 Horsepower (4-Stroke) 2002 & Newer 15 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	<b>Hub System</b>
Pontoon	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48-8M0055531	(1)
ontoon	to 29 / to 46	14 X 14 RH	AL	4	Nemesis	48-8M0055533	(1)
1-25 / 6.4-7.8	36-44 / 58-71	14 X 17 RH	AL	4	Nemesis	48-8M0055534	(1)
9-23 / 5.8-7.0	42-50 / 68-81	14 X 19 RH	AL	4	Nemesis	48- <b>8M0055535</b>	(1)
8-22 / 5.5-6.7	47-56 / 76-90	14 X 21 RH	AL	4	Nemesis	48-8M0055536	(1)
7-20 / 5.2-6.1	53-61 / 85-98	14 X 23 RH	AL	4	Nemesis	48-8M0055537	(1)
louse/Work	to 24 / to 39	16 X 11 RH	AL	3	Black Diamond	QA2000X	(1)
5-30 / 7.8-9.1	23-32 / 37-52	16 X 13 RH	AL	3	Black Diamond	QA2004X	(1)
3-29 / 7.0-8.8	27-35 / 44-56	16 X 14 RH	AL	3	Black Diamond	QA2006X	(1)
2-27 / 6.7-8.2	30-38 / 48-61	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	(1)
3-26 / 7.0-7.8	33-40 / 53-65	16 X 16 RH	AL	3	Black Diamond	QA2010X	(1)
1-25 / 6.4-7.8	36-44 / 58-71	15 X 17 RH	AL	3	Black Diamond	QA1912X	(1)
0-24 / 6.1-7.3	39-47 / 63-76	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X	(1)
9-23 / 5.8-7.0	42-50 / 68-81	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X	(1)
8-22 / 5.5-6.7	47-56 / 76-90	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X	(1)
7-20 / 5.2-6.1	53-61 / 85-98	14 X 23 RH	AL	3	Black Diamond	QA1920X	(1)
3-27 / 6.7-8.2	30-38 / 48-61	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	(1)
1-25 / 6.4-7.8	36-44 / 58-71	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	(1)
9-23 / 5.8-7.0	42-50 / 68-81	14 X 19 RH	SS	3	Silverado	QS5054X	(1)
8-22 / 5.5-6.7	47-56 / 76-90	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	(1)
1-25 / 6.4-7.8	36-44 / 58-71	13 1/2 X 17 RH	SS	5	QST 5	QS1154X	(1)
9-23 / 5.8-7.0	42-50 / 68-81	13 1/2 X 17 RH	SS	5	QST 5	QS5758X	
							(1)
8-22 / 5.5-6.7	47-56 / 76-90	13 1/3 X 21 RH	SS SS	5 3	QST 5	QS5760X	(1)
3-27 / 6.7-8.2	30-38 / 48-61	15 3/4 X 15 RH			Thunderbolt	QS5002X	(1)
11-25 / 6.4-7.8	36-44 / 58-71	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X	(1)
0-23 / 6.1-7.0	42-50 / 68-81	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X	(1)
9-23 / 5.8-6.7	47-56 / 76-90	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X	(1)
8-22 / 5.5-6.7	47-56 / 76-90	14 5/8 X 21 RH	SS	3	Torrent	QS5862X	(1)(2)
7-20 / 5.2-6.1	53-61 / 85-98	14 5/8 X 23 RH	SS	3	Torrent	QS5864X	(1)(2)
o 19 / to 5.8	59-69 / 95-111	14 5/8 X 25 RH	SS	3	Torrent	QS5866X	(1)(2)
ontoon	10-25 / 16-40	16 X 11P RH	SS	3	Q3	48-8M0103516	(1)
ontoon	11-26 / 17-41	15.6 X 13P RH	SS	3	Q3	48-8M0103517	(1)
ontoon	12-27 / 18-42	15.3 X 14P RH	SS	3	Q3	48-8M0103518	(1)
ontoon/Cruiser	17-30 / 27-49	15 X 15P RH	SS	3	Q3	48-8M0103519	(1)
1-26 / 6.4-7.8	24-36 / 39-58	14.7 X 16P RH	SS	3	Q3	48-8M0103520	(1)
1-26 / 6.4-7.8	30-42 / 48-68	14.5 X 17P RH	SS	3	Q3	48-8M0103521	(1)
9-22 / 5.8-6.7	33-45 / 53-73	14.2 X 18P RH	SS	3	Q3	48-8M0103522	(1)
9-22 / 5.8-6.7	36-49 / 58-79	14 X 19P RH	SS	3	Q3	48-8M0103523	(1)
7-20 / 5.2-6.1	39-52 / 63-84	13.8 X 20P RH	SS	3	Q3	48-8M0103524	(1)
7-20 / 5.2-6.1	42-56 / 68-90	13.6 X 21P RH	SS	3	Q3	48-8M0103525	(1)
1-26 / 6.4-7.8	30-42 / 48-68	14.6 X 17P RH	SS	4	Q4	48-8M0103526	(1)(2)
9-22 / 5.8-6.7	36-49 / 58-79	14.6 X 19P RH	SS	4	Q4	48-8M0103528	(1)(2)
7-20 / 5.2-6.1	42-56 / 68-90	14.6 X 21P RH	SS	4	Q4	48-8M0103530	(1)(2)
5-19 / 4.5-5.8	50-64 / 81-103	14.6 X 23P RH	SS	4	Q4	48-8M0103532	(1)(2)
H Propellers (1)		15.8 X 15 LH	SS	3	Thunderbolt	QS5005X	(1)
		15.5 X 17 LH	SS	3	Thunderbolt	QS5007X	(1)
		14.6 X 17P LH	SS	4	Q4	48-8M0103527	(1)(2)
		14.6 X 19P LH	SS	4	Q4	48-8M0103529	(1)(2)

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	Hub System
		14.6 X 21P LH	SS	4	Q4	48-8M0103531	(1)(2)
		14.6 X 23P LH	SS	4	Q4	48-8M0103533	(1)

<sup>(1)</sup> Use Flo-Torq II attaching hardware kit 835278Q1. Purchase separately..

# MERCURY/MARINER OUTBOARD APPLICATION CHARTS

# 4-6 Horsepower - Mercury/Mariner

4 -6 Horspower

4 - 5 HP 2-Stroke 1987 & Newer & 4, 5, 6 HP -Stroke 1999 & Newer

12 Tooth Spline

Length (ft/m)	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
All Purpose	7.8 X 9 RH	AL	3	Black Diamond	48-8M0081239		Rubber Bushing
All Purpose	7.8 X 8 RH	AL	3	Black Diamond	QA3184R	48-812950A02(2)	Rubber Bushing
All Purpose	7.8 X 7 RH	AL	3	Black Diamond	QA3182R	48-812949A02(1)	Rubber Bushing
All Purpose	7.9 X 6 RH	AL	3	Black Diamond	48-8M0081238	48-812951A02	Rubber Bushing

<sup>(1)</sup> Standard with 4 Hp, 2-Stroke and FourStroke (2) Standard with 5 and 6 Hp FourStroke

# 8 Horsepower - Mercury/Mariner

8 HP 1976-84 Mariner Pin Drive

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
14-18 / 4.2-5.5	to 15 / to 24	8 X 7 RH	AL	3	Black Diamond	QA3178R	82764	Rubber Bushing

#### 8/9.9 Horsepower (4-Stroke) - Mercury/Mariner

8/9.9 (4-Stroke) 2005 and newer Std. gearcase only (Not Bigfoot) 12 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Material	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Kicker		8.7 x 5 RH	Alum	4	Black Diamond	QA2148R	48-812954A10	Rubber Bushing
16 + / 4.8 +	to 12 / to 19	8.9 x 6.5 RH	Alum	3	Black Diamond	QA2150R	48-897610A10	Rubber Bushing
14-17 / 4.2-5.2	8-17 / 14-27	8.9 x 7.5 RH	Alum	3	Black Diamond	QA2154R	48-897614A10(1)	Rubber Bushing
13-16 / 3.9-4.8	12-21 / 19-34	8.9 x 8.5 RH	Alum	3	Black Diamond	QA2158R	48-897618A10(2)	Rubber Bushing

<sup>(1)</sup> Standard with 8 Hp FourStroke (2) Standard with 9.9 Hp FourStroke

# 6-15 Horsepower - Mercury/Mariner

6, 8, 9.9 and 15 HP 2-Strokes 1986 & Newer 10, 15 HP Seapro/Marathon 1995 & Newer 8/9.9 HP (Not Bigfoot) 4-Strokes 1995-2004 15 HP 4 Stroke 1989-2006 8 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
15-20 / 4.5-6.1	12-17 / 19-27	9 1/4 X 7 RH	AL	3	Black Diamond	QA2124R	48-828152A12	Rubber Bushing
14-20 / 4.2-6.1	16-19 / 26-31	9 X 8 RH	AL	3	Black Diamond	QA2126R	48-828154A12	Rubber Bushing
14-19 / 4.2-5.8	19-24 / 31-39	9 X 9 RH	AL	3	Black Diamond	QA2128R	48-828156A12(1)	Rubber Bushing
14-16 / 4.2-4.8	23-27 / 37-44	9 X 10 1/2 RH	AL	3	Black Diamond	QA2130R	48-828158A12	Rubber Bushing

<sup>(1)</sup> Standard with 6-15 Hp 2-Stroke and SeaPro/Marathon 10-15 Hp

<sup>(2)</sup> Use forward bushing 23-856163Q1 with Flo-Torq II hub kit for surface peircing applications with Q4 and Torrent propellers. Purchase separately.

#### 15-25 Horsepower - Mariner

15 HP 1976-81 Mariner 15A 1979-82 Mariner W15 1977-85 Mariner 20 HP 1976-79 Mariner 25 HP 1977-79 Mariner Pin Drive

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
12-16 / 3.6-4.8	20-28 / 32-45	9 X 10 RH	AL	3	Black Diamond	QA3150R	96625M	Rubber Bushing
12-14 / 3.6-4.2	25-32 / 40-52	9 1/4 X 11 RH	AL	3	Black Diamond	QA3152R	96623M	Rubber Bushing

#### 9.9-25 Horsepower - Mercury/Mariner

9.9 & 15 HP Bigfoot 4-Strokes 2005 & Older

9.9 Sail Power 4 Strokes 2005 & Older

18 HP Mercury 1980-85

20 HP Mariner 1985 & Newer

20 HP Mercury 2 Stroke 1986 & Newer

25 HP Mercury 2 Stroke 1980 & Newer

25 HP Mariner 2 Stroke 1985 & Newer

25 HP SeaPro/Marathon

10 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
12-15 / 3.6-4.5	19-30 / 31-48	10 3/8 X 13 RH	AL	3	Black Diamond	QA2106R	48- 19640A40(1)	Rubber Bushing

<sup>(1)</sup> Standard with 20-25 Hp 2-Stroke

# 15/20 Hp 4-Stroke, 9.9 HP CT/Bigfoot 4-Stroke Mercury/Mariner

9.9 CT/Bigfoot Model Year 2005 and Newer 15/20 HP 4-Stroke 2007 and Newer 14 Tooth Spline

Length	Current MPH/KPH	Propeller Size	Material	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Kicker		10 x 5	AL	4	Black Diamond	QA2178R(1)		Rubber Hub
15-19 / 4.6-5.8	5-12 / 8-19	9.5 X 8 RH	AL	3	Black Diamond	QA2171R	48- <b>897748A11</b>	Rubber Hub
14-17 / 4.3-5.2	10-16 / 16-26	9.25 X 9 RH	AL	3	Black Diamond	QA2173R	48-897750A11(2)	Rubber Hub
to 16 / to 4.9	13-20 / 21-32	9.25 X 10 RH	AL	3	Black Diamond	QA2175R	48-897752A11(3)	Rubber Hub

<sup>(1)</sup> Standard with 9.9 BF and 9.9 Prokicker (2) Standard with 15 Hp 4-S (3) Standard with 20 Hp 4-S  $\,$ 

# 25-30 Horsepower 4-Stroke - Mercury/Mariner

25 HP 2006 and Newer

30 HP 2006 and Newer

10 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Material	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
16+ / 4.8+	to 20 / to 32	10 x 8 RH	Alum	3	Black Diamond	QA2190R	48-896890A10	Rubber Bushing
13-17 / 3.9-5.2	17-26 / 27-42	9.75 x 9.5 RH	Alum	3	Black Diamond	QA2192R	48- <b>896892A40</b>	Rubber Bushing
13-16 / 3.9-4.8	21-31 / 34-47	9.5 x 11 RH	Alum	3	Black Diamond	QA2196R	48-896896A40	Rubber Bushing
to 16 / to 4.8	25-36 / 40-58	9.25 x 12.5 RH	Alum	3	Black Diamond	QA2200R	48- <b>896900A40</b>	Rubber Bushing
13-17 / 3.9-5.2	17-26 / 27-42	9.3 x 9.5 RH	Alum	4	Nemesis	48-8M8027516	48-8M8026650	Rubber Bushing
13-16 / 3.9-4.8	21-31 / 34-47	9.3 x 11 RH	Alum	4	Nemesis	48-8M8027517	48- <b>8M8026655</b>	Rubber Bushing

# 25-30 Horsepower 2-Stroke - Mariner

25 HP 1980-84 Mariner

28 HP 2-Stroke 1976-79 Mariner

30 HP 2-Stroke 1979-90 Mariner

10 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
15-17 / 4.5-5.2	18-26 / 29-42	9 7/8 X 10 1/2 RH	AL	3	Black Diamond	QA3808R	81649M	Rubber Bushing
14-16 / 4.2-4.8	19-28 / 31-45	9 7/8 X 11 1/4 RH	AL	3	Black Diamond	QA3810R	84976M	Rubber Bushing

#### 25 Hp CT/Bigfoot, 30-70 Hp Standard Gearcase Mercury/Mariner

402-500 Model Mercury 1974-76\*, 402-500-700 Models Mercury 1977-84

650 Model Mercury 1972-76\*, 25 HP CT/Bigfoot 4-stroke 1999-2005

30 HP CT/BigFoot 2010 & Newer

30 HP 2 & 4-Strokes 1994-2005, 30 HP SeaPro/Marathon All Years

35 HP 1984-89, 40 HP 2 & 4-Strokes (Not CT/Bigfoot) 1977 & Newer

40 HP Seapro/Marathon 1977 & Newer, 45HP 1986-89

48 HP Mariner All Years, 50 HP 2 & 4 Strokes (Not CT/Bigfoot) 1977 & Newer

55 HP Seapro/Marathon 1995 & Newer, 60 HP Mariner 1976\*

60 HP 2 & 4 Stroke (Not CT/Bigfoot) 1978 & Newer, 70 HP 1983 & Older

13 Tooth Spline

Flo-Torq Reflex Propellers. Hub Kit included in box.

Note: Flo-Torg Reflex Propeller hardware is not compatible with older rubber hub propeller hardware.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
20'+ / 6.1+	to 14 / to 23	12 1/2 X 8 RH	AL	3	Black Diamond	QA2060X	48- <b>42738A45</b>	Flo-Torq Reflex
19-21 / 5.8-6.4	13-18 / 21-29	12 1/4 X 9 RH	AL	3	Black Diamond	QA2062X	48- <b>87818A45</b>	Flo-Torq Reflex
17-20 / 5.2-6.1	18-22 / 29-35	11 1/4 X 10 RH	AL	3	Black Diamond	QA2064X	48- <b>73132A45</b>	Flo-Torq Reflex
16-19 / 4.8-5.8	21-25 / 34-41	10 7/8 X 11 RH	AL	3	Black Diamond	QA2070X	48- <b>85632A45</b>	Flo-Torq Reflex
15-18 / 4.5-5.5	23-28 / 37-45	10 3/4 X 12 RH	AL	3	Black Diamond	QA2072X	48- <b>816702A45</b>	Flo-Torq Reflex
15-18 / 4.5-5.5	23-28 / 37-45	10 5/8 X 12 RH	AL	3	Black Diamond	QA2074X	48- <b>73134A45</b>	Flo-Torq Reflex
14-18 / 4.2-5.5	27-32 / 44-52	10 1/2 X 13 RH	AL	3	Black Diamond	QA2076X	48- <b>816704A45</b>	Flo-Torq Reflex
14-18 / 4.2-5.5	27-32 / 44-52	10 3/8 X 13 RH	AL	3	Black Diamond	QA2078X	48- <b>73136A45</b>	Flo-Torq Reflex
14-16 / 4.2-4.8	31-35 / 50-56	10 3/8 X 14 RH	AL	3	Black Diamond	QA2080X	48- <b>816706A45</b>	Flo-Torq Reflex
14-16 / 4.2-4.8	31-35 / 50-56	10 1/4 X 14 RH	AL	3	Black Diamond	QA2082X	48- <b>73138A45</b>	Flo-Torq Reflex
13-15 / 3.9-4.5	34-39 / 55-63	10 1/8 X 15 RH	AL	3	Black Diamond	QA2084X	48- <b>73140A45</b>	Flo-Torq Reflex
16-19 / 4.8-5.8	21-25 / 34-41	10.6 X 11 RH	AL	4	Nemesis	48-8M8027510	48-8M8026620	Flo-Torq Reflex
15-18 / 4.5-5.5	23-28 / 37-45	10.6 X 12 RH	AL	4	Nemesis	48-8M8027511	48-8M8026625	Flo-Torq Reflex
14-18 / 4.2-5.5	27-32 / 44-52	10.3 X 13 RH	AL	4	Nemesis	48-8M8027512	48-8M8026630	Flo-Torq Reflex
14-16 / 4.2-4.8	31-35 / 50-56	10.1 X 14 RH	AL	4	Nemesis	48-8M8027513	48-8M8026635	Flo-Torq Reflex
13-15 / 3.9-4.5	34-39 / 55-63	10.1 X 15 RH	AL	4	Nemesis	48-8M8027514	48-8M8026640	Flo-Torq Reflex
14-18 / 4.2-5.5	27-32 / 44-52	10 1/2 X 13 RH	SS	3	Silverado	QS5166X	48-855858A46	Flo-Torq Reflex
14-16 / 4.2-4.8	31-35 / 50-56	10 3/8 X 14 RH	SS	3	Silverado	QS5168X	48- <b>855860A46</b>	Flo-Torq Reflex
to 15 / to 4.5	34-39 / 55-63	10 1/4 X 15 RH	SS	3	Silverado	QS5170X	48- <b>855862A46</b>	Flo-Torq Reflex

#### 40-60 Hp CT/Bigfoot, 70-140 Hp Standard Gearcase

650 Model (4 cyl.) 1961-70, 650 Model (2 cyl.) thru 1971 900 to 1500 Models thru 1977, 60 HP Seapro/Marathon All Years 70 HP 1987-89, 75 HP 2 & 4 Strokes 1984 & Newer 75 HP SeaPro/Marathon All Years, 80 HP Mariner 1977 80 HP 1978-89, 90 HP 2 & 4-Strokes 1978 and Newer 100 HP 1988-99, 115 HP 2 & 4 Strokes 1978 and Newer 125 HP 1994 and Newer, 140 HP 1978-81

40 HP-60 HP CT/Bigfoot All Years

15 Tooth Spline

With stainless props use the Flo-Torq III hub kit 835257Q9

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Work	to 14 / to 23	14 X 9 RH	AL	3	Black Diamond	QA2026X		(1)
Work/Pontoon	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2028X		(1)
Pontoon	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2828X		(1)(2)
23' + / 7.0+	to 21 / to 34	14 X 11 RH	AL	3	Black Diamond	QA2030X	48- <b>77338A45</b>	(1)
Pontoon	to 21 / to 34	14 X 11 RH	AL	3	Black Diamond	QA2830X	48- <b>77338CP1</b>	(1)(2)
20' + / 6.1+	19-27 / 31-44	14 X 13 RH	AL	3	Black Diamond	QA2032X	48- <b>77340A45</b>	(1)
Pontoon	19-27 / 31-44	14 X 13 RH	AL	3	Black Diamond	QA2832X	48- <b>77340CP1</b>	(1)(2)
18-20 / 5.5-6.1	25-32 / 40-52	13 3/4 X 15 RH	AL	3	Black Diamond	QA2034X	48- <b>77342A45</b>	(1)
17-19 / 5.2-5.8	30-38 / 48-61	13 1/4 X 17 RH	AL	3	Black Diamond	QA2036X	48- <b>77344A45</b>	(1)
15-18 / 4.5-5.5	35-41 / 56-66	13 X 19 RH	AL	3	Black Diamond	QA2038X	48- <b>77346A45</b>	(1)
14-17 / 4.2-5.2	39-46 / 63-74	12 3/4 X 21 RH	AL	3	Black Diamond	QA2040X	48- <b>77348A45</b>	(1)

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
to 16 / to 4.8	44-50 / 71-81	12 1/2 X 23 RH	AL	3	Black Diamond	QA2042X	48- <b>77350A45</b>	(1)
Pontoon	to 19 / to 31	13.8 X 10 RH	AL	4	Nemesis Pontoon	48-8M8027497	48-8M8026555	(1)
Pontoon	to 21 / to 34	13.8 X 11 RH	AL	4	Nemesis Pontoon	48-8M8027498	48-8M8026560	(1)
Pontoon	to 21 / to 34	13.8 X 13 RH	AL	4	Nemesis Pontoon	48-8M8027500	48-8M8026570	(1)
18-20 / 5.5-6.1	25-32 / 40-52	13.4 X 15 RH	AL	4	Nemesis	48-8M8027502	48-8M8026580	(1)
17-19 / 5.2-5.8	31-39 / 48-61	13.0 X 17 RH	AL	4	Nemesis	48-8M8027504	48-8M8026590	(1)
15-18 / 4.5-5.5	35-43 / 56-66	12.5 X 19 RH	AL	4	Nemesis	48-8M8027506	48- <b>8M8026600</b>	(1)
Pontoon	to 21 / to 34	14 X 13 RH	AL	4	Q4	48- <b>8M0055559</b>	48-8M0055547	(1)
18-20 / 5.5-6.1	25-32 / 40-52	13.5 X 15 RH	AL	4	Q4	48- <b>8M0055560</b>	48-8M0055548	(1)
17-19 / 5.2-5.8	31-39 / 48-61	13.0 X 17 RH	AL	4	Q4	48-8M0055561	48-8M0055549	(1)
15-18 / 4.5-5.5	35-43 / 56-66	12.7 X 19 RH	AL	4	Q4	48- <b>8M0055562</b>	48- <b>8M</b> 0055550	(1)
14-17 / 4.2-5.2	39-46 / 63-74	12.7 X 21 RH	AL	4	Q4	48-8M0055563	48-8M0055551	(1)
18-20 / 5.5-6.1	25-32 / 40-52	13 3/8 X 14 RH	SS	3	Silverado	QS5114X	48- <b>17314A46</b>	(1)
17-19 / 5.2-5.8	30-38 / 48-61	13 1/8 X 16 RH	SS	3	Silverado	QS5116X	48- <b>16986A46</b>	(1)
15-18 / 4.5-5.5	35-41 / 56-66	13 X 18 RH	SS	3	Silverado	QS5118X	48- <b>16988A46</b>	(1)

<sup>(1)</sup> For 2-stroke carb applications use Flo-Torq II attaching hardware kit 835257Q1. For 4-stroke and Opti-Max applications use Flo-Torq III attaching hardware kit 835257Q9 to reduce rattle. Purchase separately. (2) Extra Cup Version.

# 90CT-400 Horsepower - Mercury/Mariner

90, 115HP Command Thrust 2014 & Newer 135 HP 1987 & Newer, 150 HP 1978 & Newer 175 HP 1978 & Newer, 200 HP 1978 & Newer 220 HP 1987-88, 225 HP 1980 & Newer 225 HP SeaPro/Marathon All Years 250-400 HP 2 and 4-Stroke 1990 and Newer 15 Tooth Spline

Use hub kit P/N 835257Q 1 for 90/115 CT and 150-300 HP 2 & 4 Strokes 1990 & Newer (Purchase separately)

Use hub kit P/N 8M0101603 Verado for 350, 350SCI and 400R outboards (Purchase separately)

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Pontoon	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48-8M0055531	48- <b>8M0084491</b>	(2)
Pontoon	to 29 / to 46	14 X 14 RH	AL	4	Nemesis	48-8M0055533	48-8M0084491	(2)
21-25 / 6.4-7.8	36-44 / 58-71	14 X 17 RH	AL	4	Nemesis	48-8M0055534	48-8M0084494	(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 X 19 RH	AL	4	Nemesis	48-8M0055535	48-8M0084495	(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 X 21 RH	AL	4	Nemesis	48-8M0055536	48-8M0084496	(2)
17-20 / 5.2-6.1	53-61 / 85-98	14 X 23 RH	AL	4	Nemesis	48-8M0055537	48-8M0084497	(2)
House/Work	to 24 / to 39	16 X 11 RH	AL	3	Black Diamond	QA2000X	48- <b>78112A45</b>	(2)
25-30 / 7.8-9.1	23-32 / 37-52	16 X 13 RH	AL	3	Black Diamond	QA2004X	48- <b>78114A45</b>	(2)
23-29 / 7.0-8.8	27-35 / 44-56	16 X 14 RH	AL	3	Black Diamond	QA2006X	48- 16438A45	(2)
22-27 / 6.7-8.2	30-38 / 48-61	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	48- <b>78116A45</b>	(2)
23-26 / 7.0-7.8	33-40 / 53-65	16 X 16 RH	AL	3	Black Diamond	QA2010X	48- <b>16440A45</b>	(2)
21-25 / 6.4-7.8	36-44 / 58-71	15 X 17 RH	AL	3	Black Diamond	QA1912X	48- <b>832828A45</b>	(2)
20-24 / 6.1-7.3	39-47 / 63-76	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X	48- <b>11324A45</b>	(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X	48- <b>832830A45</b>	(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X	48- <b>832832A45</b>	(2)
17-20 / 5.2-6.1	53-61 / 85-98	14 X 23 RH	AL	3	Black Diamond	QA1920X	48- <b>832834A45</b>	(2)
23-27 / 6.7-8.2	30-38 / 48-61	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	48- <b>16312A46</b>	(2)
21-25 / 6.4-7.8	36-44 / 58-71	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	48- <b>16314A46</b>	(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 X 19 RH	SS	3	Silverado	QS5054X	48- <b>16316A46</b>	(2)
18-22 / 5.5-6.7	47-56 / 76-90	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	48- <b>16318A46</b>	(2)
21-25 / 6.4-7.8	36-44 / 58-71	13 1/2 X17 RH	SS	5	QST 5	QS1154X	48- <b>821154A46</b>	(2)
19-23 / 5.8-7.0	42-50 / 68-81	13 1/3 X 19 RH	SS	5	QST 5	QS5758X	48-815758A46	(2)
18-22 / 5.5-6.7	47-56 / 76-90	13 1/3 X 21 RH	SS	5	QST 5	QS5760X	48-815760A46	(2)

# **QUICKSILVER PROPELLER APPLICATION CHARTS**

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
23-27 / 6.7-8.2	30-38 / 48-61	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X	48- <b>19838A46</b>	(2)
21-25 / 6.4-7.8	36-44 / 58-71	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X	48- <b>18278A46</b>	(2)
20-23 / 6.1-7.0	42-50 / 68-81	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X	48- <b>13700A46</b>	(2)
19-23 / 5.8-6.7	47-56 / 76-90	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X	48- <b>13702A46</b>	(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 5/8 X 21 RH	SS	3	Torrent	QS5862X	48-825862A47	(2)(3)
17-20 / 5.2-6.1	53-61 / 85-98	14 5/8 X 23 RH	SS	3	Torrent	QS5864X	48-825864A47	(2)(3)
to 19 / to 5.8	59-69 / 95-111	14 5/8 X 25 RH	SS	3	Torrent	QS5866X	48-825866A47	(2)(3)
Pontoon	10-25 / 16-40	16 X 11P RH	SS	3	Q3	48-8M0103516	48-8M0070079	(2)
Pontoon	11-26 / 17-41	15.6 X 13P RH	SS	3	Q3	48-8M0103517	48-8M0070074	(2)
Pontoon	12-27 / 18-42	15.3 X 14P RH	SS	3	Q3	48-8M0103518	48-898988A46	(2)
Pontoon	17-30 / 27-49	15 X 15P RH	SS	3	Q3	48-8M0103519	48- <b>898990A46</b>	(2)
21-26 / 6.4-7.8	24-36 / 39-58	14.7 X 16P RH	SS	3	Q3	48-8M0103520	48- <b>898992A46</b>	(2)
21-26 / 6.4-7.8	30-42 / 48-68	14.5 X 17P RH	SS	3	Q3	48-8M0103521	48-898994A46	(2)
19-22 / 5.8-6.7	33-45 / 53-73	14.2 X 18P RH	SS	3	Q3	48-8M0103522	48-898996A46	(2)
19-22 / 5.8-6.7	36-49 / 58-79	14 X 19P RH	SS	3	Q3	48-8M0103523	48-898998A46	(2)
17-20 / 5.2-6.1	39-52 / 63-84	13.8 X 20P RH	SS	3	Q3	48-8M0103524	48- <b>899000A46</b>	(2)
17-20 / 5.2-6.1	42-56 / 68-90	13.6 X 21P RH	SS	3	Q3	48-8M0103525	48-899002A46	(2)
21-26 / 6.4-7.8	30-42 / 48-68	14.6 X 17P RH	SS	4	Q4	48-8M0103526	48-857024A46	(2)(3)
19-22 / 5.8-6.7	36-49 / 58-79	14.6 X 19P RH	SS	4	Q4	48-8M0103528	48-857026A46	(2)(3)
17-20 / 5.2-6.1	42-56 / 68-90	14.6 X 21P RH	SS	4	Q4	48-8M0103530	48-857028A46	(2)(3)
15-19 / 4.5-5.8	50-64 / 81-103	14.6 X 23P RH	SS	4	Q4	48-8M0103532	48-857030A46	(2)(3)
LH Propellers		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X	48- 90159A46	(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X	48- 13701A46	(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103527	48- <b>857025A46</b>	(2)(3)
		14.6 X 19P LH	SS	4	Q4	48-8M0103529	48- <b>857027A46</b>	(2)(3)
		14.6 X 21P LH	SS	4	Q4	48-8M0103531	48- <b>857029A46</b>	(2)(3)
		14.6 X 23P LH	SS	4	Q4	48-8M0103533	48- <b>857031A46</b>	(2)(3)

(2) Use Flo-Torg II attaching hardware kit 835257Q1. For Verado 4 cyl 135-200 HP use Flo-Torg II attaching hardware kit 835257Q10. For Verado 350, 350 SCI and 400R use Flo-Torg II attaching hardware kit 840389Q06. Purchase separately.

 $(3) Use Flo-Torq hub \ kit 835257Q6 \ for surface piercing applications \ with \ Torrent \ and \ Q4 \ propellers. \ Purchase \ separately.$ 

# **SUZUKI OUTBOARD APPLICATION CHARTS**

#### 35-65 Horsepower - Suzuki - Reflex Hub

DT35C HP 1987-90 DT40, DF40 HP 1983 & Newer DF 50 1999 and Newer DT50,50M HP 1983-84 DT55 HP 1985-97 DT60 HP 1983-84 DT65 HP 1985-97 13 Tooth Spline

Flo-Torq Reflex Propeller.

Replace existing forward and aft washer with Quicksilver kit 8M0088039. Purchase separately.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	Hub System
20'+ / 6.1+	to 14 / to 23	12 1/2 X 8 RH	AL	3	Black Diamond	QA2060X	Flo-Torq Reflex(1)
19-21 / 5.8-6.4	13-18 / 21-29	12 1/4 X 9 RH	AL	3	Black Diamond	QA2062X	Flo-Torq Reflex(1)
17-20 / 5.2-6.1	18-22 / 29-35	11 1/4 X 10 RH	AL	3	Black Diamond	QA2064X	Flo-Torq Reflex(1)
15-18 / 4.5-5.5	23-28 / 37-45	10 3/4 X 12 RH	AL	3	Black Diamond	QA2072X	Flo-Torq Reflex(1)
14-18 / 4.2-5.5	27-32 / 44-52	10 1/2 X 13 RH	AL	3	Black Diamond	QA2076X	Flo-Torq Reflex(1)
14-18 / 4.2-5.5	27-32 / 44-52	10 3/8 X 13 RH	AL	3	Black Diamond	QA2078X	Flo-Torq Reflex(1)
14-16 / 4.2-4.8	31-35 / 50-56	10 3/8 X 14 RH	AL	3	Black Diamond	QA2080X	Flo-Torq Reflex(1)

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	Hub System
14-16 / 4.2-4.8	31-35 / 50-56	10 1/4 X 14 RH	AL	3	Black Diamond	QA2082X	Flo-Torq Reflex(1)
13-15 / 3.9-4.5	34-39 / 55-63	10 1/8 X 15 RH	AL	3	Black Diamond	QA2084X	Flo-Torq Reflex(1)
16-19 - 4.6-5.6	21-26 / 35-42	10.6 X 11 RH	AL	4	Nemesis	48-8M8027510	Flo-Torq Reflex(1)
15-18 / 4.5-5.5	23-28 / 37-45	10.6 X 12 RH	AL	4	Nemesis	48-8M8027511	Flo-Torq Reflex(1)
14-18 / 4.2-5.5	27-32 / 44-52	10.3 X 13 RH	AL	4	Nemesis	48-8M8027512	Flo-Torq Reflex(1)
14-16 / 4.2-4.8	31-35 / 50-56	10.1 X 14 RH	AL	4	Nemesis	48-8M8027513	Flo-Torq Reflex(1)
13-15 / 3.9-4.5	34-39 / 55-63	10.1 X 15 RH	AL	4	Nemesis	48-8M8027514	Flo-Torq Reflex(1)
14-18 / 4.2-5.5	27-32 / 44-52	10 1/2 X 13 RH	SS	3	Silverado	QS5166X	Flo-Torq Reflex(1)
14-16 / 4.2-4.8	31-35 / 50-56	10 3/8 X 14 RH	SS	3	Silverado	QS5168X	Flo-Torq Reflex(1)
to 15 / to 4.5	34-39 / 55-63	10 1/4 X 15 RH	SS	3	Silverado	QS5170X	Flo-Torq Reflex(1)

<sup>(1)</sup> Replace existing forward and aft washer with Quicksilver kit 8M0088039. Purchase separately.

# 35-65 Horsepower - Suzuki - Rubber Hub

DT35C HP 1987-90 DT40, DF40 HP 1983 & Newer DF 50 1999 and Newer DT50,50M HP 1983-84 DT55 HP 1985-97 DT60 HP 1983-84 DT65 HP 1985-97 13 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
14-18 / 4.3-5.5	27-32 / 44-52	11 1/2 X 13 RH	AL	3	Black Diamond	QA2078X	58100-94313-019	Rubber Bushing

# 60-70 Hp (4-Stroke), 75-140 Hp (2-Stroke) - Suzuki

DF60 HP 1998 & Newer

DF70 HP 1998-2008

DT75 HP 1992-97

DT75 HP 1983-91

DT85 HP 1992-2000

DT85 HP 1979-91

DT90 HP 1989-97

DT100 HP 1989 and Newer

DT115, 140 HP 1992 & Newer

DT115, 140 HP 1981-91

13 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Pontoon	-	14 X 13 RH extra cup	AL	3	Black Diamond	QA3832X		(1)
18-20 / 5.5-6.1	25-32 / 40-52	13 3/4 X 15 RH	AL	3	Black Diamond	QA2208X	58100-95500-019	(1)
17-19 / 5.2-5.8	30-38 / 48-61	13 1/4 X 17 RH	AL	3	Black Diamond	QA2206X	58100-95511-019	(1)

<sup>(1)</sup> Use Flo-Torq II attaching hardware kit 835282Q1. Purchase separately.

# 70-140 Horsepower (4-Stroke) - Suzuki

DF 70-100 HP 2009 and Newer DF 115-140 HP 2002 & Newer

15 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Mati	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Work	to 14 / to 23	14 X 9 RH	AL	3	Black Diamond	QA2026X	854340A45	(1)(2)(3)(4)
Work/Pontoon	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2028X	845342A45	(1)(2)(3)(4)
Pontoon	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2828X	845342CP1	(1)(2)(3)(4)
23' + / 7.0+	to 21 / to 34	14 X 11 RH	AL	3	Black Diamond	QA2030X	77338A45	(1)(2)(3)(4)
Pontoon	to 21 / to 34	14 X 11 RH	AL	3	Black Diamond	QA2830X	77338CP1	(1)(2)(3)(4)
20' + / 6.1+	19-27 / 31-44	14 X 13 RH	AL	3	Black Diamond	QA2032X	77340A45	(1)(2)(3)(4)
Pontoon	19-27 / 31-44	14 X 13 RH	AL	3	Black Diamond	QA2832X	77340CP1	(1)(2)(3)(4)
18-20 / 5.5-6.1	25-32 / 40-52	13 3/4 X 15 RH	AL	3	Black Diamond	QA2034X	77342A45	(1)(2)(3)(4)
17-19 / 5.2-5.8	30-38 / 48-61	13 1/4 X 17 RH	AL	3	Black Diamond	QA2036X	77344A45	(1)(2)(3)(4)

Length (ft/m)	Current MPH/KPH	Propeller Size	Mati	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
15-18 / 4.5-5.5	35-41 / 56-66	13 X 19 RH	AL	3	Black Diamond	QA2038X	77346A45	(1)(2)(3)(4)
14-17 / 4.2-5.2	39-46 / 63-74	12 3/4 X 21 RH	AL	3	Black Diamond	QA2040X	77348A45	(1)(2)(3)(4)
to 16 / to 4.8	44-50 / 71-81	12 1/2 X 23 RH	AL	3	Black Diamond	QA2042X	77350A45	(1)(2)(3)(4)
Pontoon	to 19 / to 31	13.8 X 10 RH	AL	4	Nemesis Pontoon	48-8M8027497		(1)(2)(3)(4)
Pontoon	to 21 / to 34	13.8 X 11 RH	AL	4	Nemesis Pontoon	48-8M8027498		(1)(2)(3)(4)
Pontoon	19-27 / 31-44	13.8 X 13 RH	AL	4	Nemesis Pontoon	48-8M8027500		(1)(2)(3)(4)
18-20 / 5.5-6.1	25-32 / 40-52	13.4 X 15 RH	AL	4	Nemesis	48-8M8027502		(1)(2)(3)(4)
17-19 / 5.2-5.8	30-38 / 48-61	13.0 X 17 RH	AL	4	Nemesis	48-8M8027504		(1)(2)(3)(4)
15-18 / 4.5-5.5	35-41 / 56-66	12.5 X 19 RH	AL	4	Nemesis	48-8M8027506		(1)(2)(3)(4)
Pontoon	19-27 / 31-44	14 X 13 RH	AL	4	Q4	48- <b>8M0055559</b>		(1)(2)(3)(4)
18-20 / 5.5-6.1	25-32 / 40-52	13.5 X 15 RH	AL	4	Q4	48-8M0055560		(1)(2)(3)(4)
17-19 / 5.2-5.8	30-38 / 48-61	13.0 X 17 RH	AL	4	Q4	48-8M0055561		(1)(2)(3)(4)
15-18 / 4.5-5.5	35-41 / 56-66	12.7 X 19 RH	AL	4	Q4	48-8M0055562		(1)(2)(3)(4)
14-17 / 4.2-5.2	39-46 / 63-74	12.7 X 21 RH	AL	4	Q4	48- <b>8M0055563</b>		(1)(2)(3)(4)
18-20 / 5.5-6.1	25-32 / 40-52	13 3/8 X 14 RH	SS	3	Silverado	QS5114X	17314A46	(1)(2)(3)(4)
17-19 / 5.2-5.8	30-38 / 48-61	13 1/8 X 16 RH	SS	3	Silverado	QS5116X	16986A46	(1)(2)(3)(4)
15-18 / 4.5-5.5	35-41 / 56-66	13 X 18 RH	SS	3	Silverado	QS5118X	16988A46	(1)(2)(3)(4)

<sup>(1)</sup> For 90-115HP 2001 - 2008 use Flo-Torq II attaching hardware kit 835283Q 1

# 150-300 Horsepower - Suzuki

DT150/150S HP 1986 & Newer DT175 HP 1986-92 DT200 HP 1986-2000 DT225 HP 1990 & Newer DF150- DF300 All Years 15 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Pontoon	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48-8M0055531		(2)
Pontoon	to 29 / to 46	14 X 14 RH	AL	4	Nemesis	48-8M0055533		(2)
21-25 / 6.4-7.8	36-44 / 58-71	14 X 17 RH	AL	4	Nemesis	48-8M0055534		(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 X 19 RH	AL	4	Nemesis	48- <b>8M0055535</b>		(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 X 21 RH	AL	4	Nemesis	48-8M0055536		(2)
17-20 / 5.2-6.1	53-61 / 85-98	14 X 23 RH	AL	4	Nemesis	48-8M0055537		(2)
22-27 / 6.7-8.2	30-38 / 48-61	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X		(2)
21-25 / 6.4-7.8	36-44 / 58-71	15 X 17 RH	AL	3	Black Diamond	QA1912X		(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X		(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X		(2)
17-20 / 5.2-6.1	53-61 / 85-98	14 X 23 RH	AL	3	Black Diamond	QA1920X		(2)
22-27 / 6.7-8.2	30-38 / 48-61	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	99105-00200-16P	(2)
21-25 / 6.4-7.8	36-44 / 58-71	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	99105-00200-18P	(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 X 19 RH	SS	3	Silverado	QS5054X		(2)
18-22 / 5.5-6.7	47-56 / 76-90	13 3/4 X 21 RH	SS	3	Silverado	QS5056X		(2)
21-25 / 6.4-7.8	36-44 / 58-71	13 1/2 X 17	SS	5	QST 5	QS1154X		(2)
19-23 / 5.8-7.0	42-50 / 68-81	13 1/3 X 19	SS	5	QST 5	QS5758X		(2)
18-22 / 5.5-6.7	47-56 / 76-90	13 1/3 X 21	SS	5	QST 5	QS5866X		(2)
22-27 / 6.7-8.2	30-38 / 48-61	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X		(2)
21-25 / 6.4-7.8	36-44 / 58-71	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X		(2)
19-23 / 5.8-7.0	42-50 / 68-81	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X		(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X		(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 5/8 X 21 RH	SS	3	Torrent	QS5862X		(2)(3)
17-20 / 5.2-6.1	53-61 / 85-98	14 5/8 X 23 RH	SS	3	Torrent	QS5864X		(2)(3)
to 19 / to 5.8	59-69 / 95-111	14 5/8 X 25 RH	SS	3	Torrent	QS5866X		(2)(3)

<sup>(2)</sup> For 100-115HP 2009 and newer use Flo-Torq II attaching hardware kit 835283Q 2  $\,$ 

<sup>(3)</sup> For 140HP use Flo-Torq II attaching hardware kit 835283Q 2

<sup>(4)</sup> For 70-90HP 2009 and newer use Flo-Torq II attaching hardware kit 835283Q03

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N OEM P/N	Hub System
Pontoon	10-25 / 16-40	16 X 11P RH	SS	3	Q3	48- <b>8M0103516</b>	(2)
Pontoon	11-26 / 17-41	15.6 X 13P RH	SS	3	Q3	48- <b>8M</b> 0103517	(2)
Pontoon	12-27 / 18-42	15.3 X 14P RH	SS	3	Q3	48- <b>8M0103518</b>	(2)
Pontoon/Cruiser	17-30 / 27-49	15 X 15P RH	SS	3	Q3	48- <b>8M</b> 0103519	(2)
21-26 / 6.4-7.8	24-36 / 39-58	14.7 X 16P RH	SS	3	Q3	48- <b>8M0103520</b>	(2)
21-26 / 6.4-7.8	30-42 / 48-68	14.5 X 17P RH	SS	3	Q3	48- <b>8M0103521</b>	(2)
19-22 / 5.8-6.7	33-45 / 53-73	14.2 X 18P RH	SS	3	Q3	48- <b>8M0103522</b>	(2)
19-22 / 5.8-6.7	36-49 / 58-79	14 X 19P RH	SS	3	Q3	48- <b>8M0103523</b>	(2)
17-20 / 5.2-6.1	39-52 / 63-84	13.8 X 20P RH	SS	3	Q3	48- <b>8M0103524</b>	(2)
17-20 / 5.2-6.1	42-56 / 68-90	13.6 X 21P RH	SS	3	Q3	48- <b>8M0103525</b>	(2)
21-26 / 6.4-7.8	30-42 / 48-68	14.6 X 17P RH	SS	4	Q4	48- <b>8M0103526</b>	(2)
19-22 / 5.8-6.7	36-49 / 58-79	14.6 X 19P RH	SS	4	Q4	48-8M0103528	(2)
17-20 / 5.2-6.1	42-56 / 68-90	14.6 X 21P RH	SS	4	Q4	48- <b>8M0103530</b>	(2)
15-19 / 4.5-5.8	50-64 / 81-103	14.6 X 23P RH	SS	4	Q4	48- <b>8M0103532</b>	(2)
LH Propellers (1)		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X	(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X	(2)
		14.6 X 17 LH	SS	4	Q4	48- <b>8M0103527</b>	(2)(3)
		14.6 X 19 LH	SS	4	Q4	48- <b>8M0103529</b>	(2)(3)
		14.6 X 21 LH	SS	4	Q4	48- <b>8M0103531</b>	(2)(3)
		14.6 X 23 LH	SS	4	Q4	48-8M0103533	(2)(3)

<sup>(2)</sup> Use Flo-Torq II attaching hardware kit 835281Q1. Purchase separately.

# TOHATSU/NISSAN OUTBOARD APPLICATION CHARTS

# 4-6 Horsepower - Tohatsu/Nissan

4 -6 Horspower

4 - 5 HP 2-Stroke 1987 & Newer

4, 5, 6 HP -Stroke 1999 & Newer

12 Tooth Spline

Length (ft/m)	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
All Purpose	7.8 X 9 RH	AL	3	Black Diamond	48-8M0081239		Rubber Bushing
All Purpose	7.8 X 7 RH	AL	3	Black Diamond	QA3182R	48-812949A02(1)	Rubber Bushing
All Purpose	7.8 X 8 RH	AL	3	Black Diamond	QA3184R	48-812950A02(2)	Rubber Bushing
All Purpose	7.9 X 6 RH	AL	3	Black Diamond	48-8M0081238		Rubber Bushing

<sup>(1)</sup> Standard with 4 Hp, 2-Stroke and FourStroke

# 8/9.9 Horsepower (4-Stroke) - Tohatsu/Nissan

8/9.9 (4-Stroke)

12 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Material	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Kicker		8.7 x 5 RH	Alum	4	Black Diamond	QA2148R	48-812954A10	Rubber Bushing
16 + / 4.8 +	to 12 / to 19	8.9 x 6.5 RH	Alum	3	Black Diamond	QA2150R	48-897610A10	Rubber Bushing
14-17 / 4.2-5.2	8-17 / 14-27	8.9 x 7.5 RH	Alum	3	Black Diamond	QA2154R	48-897614A10(1)	Rubber Bushing
13-16 / 3.9-4.8	12-21 / 19-34	8.9 x 8.5 RH	Alum	3	Black Diamond	QA2158R	48-897618A10(2)	Rubber Bushing

<sup>(1)</sup> Standard with 8 Hp FourStroke

<sup>(3)</sup> Use forward bushing 23-856163Q1 along with Flo-Torq hub kit for surface piercing applications with Torrent propellers. Purchase separately.

<sup>(2)</sup> Standard with 5 and 6 Hp FourStroke

<sup>(2)</sup> Standard with 9.9 Hp FourStroke

# 9.9-20 Horsepower Tohatsu/Nissan

9.9 HP 1984 and Newer 9.9 HP 4-Stroke 2000 and Newer 12 HP 1985-1988 15 HP 4-Stroke 2000 and Newer 15/18 HP 1995 and Newer 18/20 HP 4-Stroke 2001 and Newer

14 Tooth Spline

Length	Current MPH/KPH	Propeller Size	Material	Blades	Style	Quicksilver P/N	Hub System
Kicker		10 x 5	AL	4	Black Diamond	QA2178R	Rubber Hub
15-19 / 4.6-5.8	5-12 / 8-19	9 1/2 X 8 RH	AL	3	Black Diamond	QA2171R	Rubber Hub
14-17 / 4.3-5.2	10-16 / 16-26	9 1/4 X 9 RH	AL	3	Black Diamond	QA2173R	Rubber Hub
to 16 / to 4.9	13-20 / 21-32	9 1/4 X 10 RH	AL	3	Black Diamond	QA2175R	Rubber Hub

# 25-30 Horsepower 4-Stroke - Totahsu/Nissan

25 HP 1986 and Newer 30 HP 1985 and Newer 10 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Material	Blades	Style	Quicksilver P/N	Hub System
16+ / 4.8+	to 20 / to 32	10 x 8 RH	Alum	3	Black Diamond	QA2190R	Rubber Bushing
13-17 / 3.9-5.2	17-26 / 27-42	9-3/4 x 9-1/2 RH	Alum	3	Black Diamond	QA2192R	Rubber Bushing
13-16 / 3.9-4.8	21-31 / 34-47	9-1/2 x 11 RH	Alum	3	Black Diamond	QA2196R	Rubber Bushing
to 16 / to 4.8	25-36 / 40-58	9-1/4 x 12-1/2 RH	Alum	3	Black Diamond	QA2200R	Rubber Bushing
13-17 / 3.9-5.2	17-26 / 27-42	9.3 x 9.5 RH	Alum	4	Nemesis	48-8M8027516	Rubber Bushing
13-16 / 3.9-4.8	21-31 / 34-47	9.3 X 11 RH	Alum	4	Nemesis	48-8M8027517	Rubber Bushing

# 35-50 Hp Tohatsu/Nissan

35 HP (35B Only) 1984 and Earlier

50 HP (50D Only) 1991

40 HP 1984 and Newer

50 HP 1992 and Newer

13 Tooth Spline

Flo-Torq Reflex Propeller. Replace existing forward and aft washer with Quicksilver kit 8M0053074. Purchase separately.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	Hub System
20'+ / 6.1+	to 14 / to 23	12 1/2 X 8 RH	AL	3	Black Diamond	QA2060X	Flo-Torq Reflex(1)
19-21 / 5.8-6.4	13-18 / 21-29	12 1/4 X 9 RH	AL	3	Black Diamond	QA2062X	Flo-Torq Reflex(1)
17-20 / 5.2-6.1	18-22 / 29-35	11 1/4 X 10 RH	AL	3	Black Diamond	QA2064X	Flo-Torq Reflex(1)
16-19 / 4.8-5.8	21-25 / 34-41	10 7/8 X 11 RH	AL	3	Black Diamond	QA2070X	Flo-Torq Reflex(1)
15-18 / 4.5-5.5	23-28 / 37-45	10 3/4 X 12 RH	AL	3	Black Diamond	QA2072X	Flo-Torq Reflex(1)
15-18 / 4.5-5.5	23-28 / 37-45	10 5/8 X 12 RH	AL	3	Black Diamond	QA2074X	Flo-Torq Reflex(1)
14-18 / 4.2-5.5	27-32 / 44-52	10 1/2 X 13 RH	AL	3	Black Diamond	QA2076X	Flo-Torq Reflex(1)
14-18 / 4.2-5.5	27-32 / 44-52	10 3/8 X 13 RH	AL	3	Black Diamond	QA2078X	Flo-Torq Reflex(1)
14-16 / 4.2-4.8	31-35 / 50-56	10 3/8 X 14 RH	AL	3	Black Diamond	QA2080X	Flo-Torq Reflex(1)
14-16 / 4.2-4.8	31-35 / 50-56	10 1/4 X 14 RH	AL	3	Black Diamond	QA2082X	Flo-Torq Reflex(1)
13-15 / 3.9-4.5	34-39 / 55-63	10 1/8 X 15 RH	AL	3	Black Diamond	QA2084X	Flo-Torq Reflex(1)
16-19 / 4.8-5.8	21-25 / 34-41	10.6 X 11 RH	AL	4	Nemesis	48-8M8027510	Flo-Torq Reflex(1)
15-18 / 4.5-5.5	23-28 / 37-45	10.6 X 12 RH	AL	4	Nemesis	48-8M8027511	Flo-Torq Reflex(1)
14-18 / 4.2-5.5	27-32 / 44-52	10.3 X 13 RH	AL	4	Nemesis	48- <b>8M8027512</b>	Flo-Torq Reflex(1)
14-16 / 4.2-4.8	31-35 / 50-56	10.1 X 14 RH	AL	4	Nemesis	48-8M8027513	Flo-Torq Reflex(1)
13-15 / 3.9-4.5	34-39 / 55-63	10.1 X 15 RH	AL	4	Nemesis	48-8M8027514	Flo-Torq Reflex(1)
14-18 / 4.2-5.5	27-32 / 44-52	10 1/2 X 13 RH	SS	3	Silverado	QS5166X	Flo-Torq Reflex(1)
14-16 / 4.2-4.8	31-35 / 50-56	10 3/8 X 14 RH	SS	3	Silverado	QS5168X	Flo-Torq Reflex(1)
to 15 / to 4.5	34-39 / 55-63	10 1/4 X 15 RH	SS	3	Silverado	QS5170X	Flo-Torq Reflex(1)

(1) Flo-Torq Reflex Propeller. Replace existing forward and aft washer with Quicksilver kit 8M0053074. Purchase separately.



#### 70-140 Horsepower - Tohatsu/Nissan

70C HP 1996 & Newer 90 HP 1987 & Newer 115 HP 1992 & Newer 120 HP 1988 & Newer 140 HP 1988 & Newer

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Work	7-16 / 11-22	14 X 9 RH	AL	3	Black Diamond	QA2026X	3B764-5230M	(1)
Pontoon/Work	9-19 / 15-31	14 X 10 RH	AL	3	Black Diamond	QA2028X		(1)
Pontoon	9-19 / 15-31	14 X 10 RH	AL	3	Black Diamond	QA2828X		(1)(2)
House/Work	12-22 / 19-35	14 X 11 RH	AL	3	Black Diamond	QA2030X	3B764-5270M	(1)
Pontoon	12-22 / 19-35	14 X 11 RH	AL	3	Black Diamond	QA2830X		(1)(2)
22-29 / 6.7-8.8	14-28 / 23-45	14 X 13 RH	AL	3	Black Diamond	QA2032X	3B764-5320M	(1)
Pontoon	14-28 / 23-45	14 X 13 RH	AL	3	Black Diamond	QA2832X		(1)(2)
21-26 / 6.4-7.8	24-36 / 39-58	13 3/4 X 15 RH	AL	3	Black Diamond	QA2034X	3B764-5360M	(1)
18-21 / 5.5-6.4	30-42 / 48-68	13 1/4 X 17 RH	AL	3	Black Diamond	QA2036X	3B764-5410M	(1)
17-20 / 5.2-6.1	38-50 / 61-81	13 X 19 RH	AL	3	Black Diamond	QA2038X	3B764-5451M	(1)
15-18 / 4.5-5.5	44-56 / 71-90	12 3/4 X 21 RH	AL	3	Black Diamond	QA2040X	3B764-5490M	(1)
15-17 / 4.5-5.2	48-62 / 77-100	12 1/2 X 23 RH	AL	3	Black Diamond	QA2042X		(1)
Pontoon	9-19 / 15-31	13.8 X 10 RH	AL	4	Nemesis Pontoon	48-8M8027497		(1)
Pontoon	12-22 / 19-35	13.8 X 11 RH	AL	4	Nemesis Pontoon	48-8M8027498		(1)
Pontoon	14-28 / 23-4	13.8 X 13 RH	AL	4	Nemesis Pontoon	48-8M8027500		(1)
21-26 / 6.4-7.8	24-36 / 39-58	13.4 X 15 RH	AL	4	Nemesis	48-8M8027502		(1)
18-21 / 5.5-6.4	30-42 / 48-68	13.0 X 17 RH	AL	4	Nemesis	48-8M8027504		(1)
17-20 / 5.2-6.1	38-50 / 61-81	12.5 X 19 RH	AL	4	Nemesis	48-8M8027506		(1)
Pontoon	14-28 / 23-4	14 X 13 RH	AL	4	Q4	48-8M0055559		(1)
21-26 / 6.4-7.8	24-36 / 39-58	13.5 X 15 RH	AL	4	Q4	48-8M0055560		(1)
18-21 / 5.5-6.4	30-42 / 48-68	13.0 X 17 RH	AL	4	Q4	48-8M0055561		(1)
17-20 / 5.2-6.1	38-50 / 61-81	12.7 X 19 RH	AL	4	Q4	48-8M0055562		(1)
15-18 / 4.5-5.5	44-56 / 71-90	12.7 X 21 RH	AL	4	Q4	48-8M0055563		(1)
21-26 / 6.4-7.9	24-36 / 39-58	13 3/8 X 14 RH	SS	3	Silverado	QS5114X		(1)
18-21 / 5.5-6.4	30-42 / 48-68	13 1/8 X 16 RH	SS	3	Silverado	QS5116X		(1)
17-20 / 5.2-6.1	38-50 / 61-81	13 X 18 RH	SS	3	Silverado	QS5118X		(1)

<sup>(1)</sup> Use Flo-Torq II attaching hardware kit 835284Q1. Purchase separately.

# YAMAHA OUTBOARD APPLICATION CHARTS

# 8 Horsepower - Yamaha

8 HP 1976-83 Pin Drive

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
14-18 / 4.3-5.5	to 15 / to 24	8.25 X 7 RH	AL	3	Black Diamond	QA3178R		Rubber Bushing

# 9.9-20 Horsepower - Yamaha

9.9 HP 2-Stroke 1984 and Newer F9.9 4-Stroke 2000-2007 15 HP 2-Stroke 1984 and Newer F15 4-Stroke 2000 and Newer F20 4-Stroke All Years 8 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
14-19 / 4.3-5.8	19-24 / 31-39	9 1/4 X 9 RH	AL	3	Black Diamond	QA3906R	683-45945-00-EL	Rubber Bushing
14-16 / 4.3-4.8	23-27 / 37-44	9 1/4 X 10 RH	AL	3	Black Diamond	QA3914R	683-45943-00-EL	Rubber Bushing

<sup>(2)</sup> Extra Cup Version.

# 15-28 Horsepower - Yamaha

15 HP 1976-83 W15 1976-83 20 HP 1976-78 25 HP 1977-79 28 HP 1976-78 Pin Drive

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
12-16 / 3.6-4.8	20-28 / 32-45	9 X 10 RH	AL	3	Black Diamond	QA3150R	651-45947-00-36	Rubber Bushing
12-14 / 3.6-4.3	25-32 / 40-52	9 1/4 X 11 RH	AL	3	Black Diamond	QA3152R	653-45941-01-36	Rubber Bushing

# 20-30 Horsepower - Yamaha

20 HP 1996-97 25 HP 1980 and Newer F25 4-Stroke 2000 and Newer 30 HP 1979 and Newer F30 4-Stroke 2001 and Newer 10 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
15-17 / 4.5-5.2	18-26 / 29-42	9 7/8 X 10 1/2 RH	AL	3	Black Diamond	QA3808R	664-45945-00-EL	Rubber Bushing
14-16 / 4.3-4.8	19-28 / 31-45	9 7/8 X 11 1/4 RH	AL	3	Black Diamond	QA3810R	664-45947-01-EL	Rubber Bushing

# T25-60 Horsepower - Yamaha

T25 All Years 40 HP 1984 and Newer F40 4-Stroke 1999 and Newer 48 HP 1995-2000 50 HP (Excluding T50) 1984 & Newer F50 4-Stroke 1999 and Newer 55 HP 1976-95 60 HP 1976-91 F60 4-Stroke 2002 and Newer 13 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Work	to 16 / to 26	12 1/2 X 8 RH	AL	3	Black Diamond	QA2060X		(1)
18+ / 5.5+	16-20 / 26-32	12 1/4 X 9 RH	AL	3	Black Diamond	QA2062X	663-45956-01-EL	(1)
17+ / 5.2+	20-23 / 32-37	11 1/4 X 10 RH	AL	3	Black Diamond	QA2064X	6H5-45952-00-EL	(1)
16-18 / 4.8-5.5	23-30 / 37-48	10 7/8 X 11 RH	AL	3	Black Diamond	QA2070X	663-45947-02-EL	(1)
15-17 / 4.5-5.2	30-31 / 48-50	10 5/8 X 12 RH	AL	3	Black Diamond	QA2074X	6H5-45958-00-EL	(1)
14-17 / 4.2-5.2	31-35 / 50-56	10 3/8 X 13 RH	AL	3	Black Diamond	QA2078X	6H5-45943-00-EL	(1)
14-16 / 4.2-4.8	35-38 / 56-61	10 1/4 X 14 RH	AL	3	Black Diamond	QA2082X	663-45958-01-EL	(1)
13-15 / 3.9-4.5	38-42 / 61-68	10 1/8 X 15 RH	AL	3	Black Diamond	QA2084X		(1)
16-18 / 4.8-5.5	23-30 / 37-48	10.6 X 11 RH	AL	4	Nemesis	48-8M8027510		(1)
15-17 / 4.5-5.2	30-31 / 48-50	10.6 X 12 RH	AL	4	Nemesis	48-8M8027511		(1)
14-17 / 4.2-5.2	31-35 / 50-56	10.3X 13 RH	AL	4	Nemesis	48-8M8027512		(1)
14-16 / 4.2-4.8	35-38 / 56-61	10.1 X 14 RH	AL	4	Nemesis	48-8M8027513		(1)
13-15 / 3.9-4.5	38-42 / 61-68	10.1 X 15 RH	AL	4	Nemesis	48-8M8027514		(1)
14-17 / 4.2-5.2	31-35 / 50-56	10 1/2 X 13 RH	SS	3	Silverado	QS5166X	663-45974-60-98	(1)
14-16 / 4.2-4.8	35-38 / 56-61	10 3/8 X 14 RH	SS	3	Silverado	QS5168X	663-45930-00-98	(1)
13-15 / 3.9-4.5	38-42 / 61-68	10 1/4 X 15 RH	SS	3	Silverado	QS5170X	663-45976-00-98	(1)

(1) Flo-Torq Reflex Propeller - All required hardware included



#### T50-130 Horsepower - Yamaha

T50 HP 4-Stroke 1996 and Newer 60 HP 1992 and Newer T60 HP 4-Stroke 2003 and Newer 70 HP 1984 and Newer 75 HP 1994-2000 F75 4-Stroke 2003 and Newer 80 HP 1977, 2000 and Newer F80 HP 4-Stroke 1999 and Newer 85 HP 1991-97 90 HP 1984 and Newer F90 HP 4-Stroke 2003 and Newer F100 HP 4-Stroke 2000 and Newer 115 HP 1984 and Newer F115 HP 4-Stroke 2000 and Newer 130 HP 1984 and Newer 15 Tooth Spline

Laurette (film)	Comment MDI I/IEDI	Daniellas Circ	Mad	Distant	Chale	Outstation PM	OEM D/N	Hob Contra
Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Work	to 14 / to 23	14 X 9 RH	AL	3	Black Diamond	QA2026X		(1)
Pontoon/Work	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2028X		(1)
Pontoon	to 19 / to 31	14 X 10 RH	AL	3	Black Diamond	QA2828X		(1)(2)
23'+ / 7.0+	to 21 / to 34	14 X 11 RH	AL	3	Black Diamond	QA2030X	6E5-45954-00-EL	(1)
Pontoon	to 21 / to 34	14 X 11 RH	AL	3	Black Diamond	QA2830X		(1)(2)
20'+ / 6.1+	19-27 / 31-44	14 X 13 RH	AL	3	Black Diamond	QA2032X	6E5-45949-00-EL	(1)
Pontoon	19-27 / 31-44	14 X 13 RH	AL	3	Black Diamond	QA2832X		(1)(2)
18-20 / 5.5-6.1	25-32 / 40-52	13 3/4 X 15 RH	AL	3	Black Diamond	QA2034X	6E5-45947-00-EL	(1)
17-19 / 5.2-5.8	30-38 / 48-61	13 1/4 X 17 RH	AL	3	Black Diamond	QA2036X	6E5-45945-01-EL	(1)
15-18 / 4.5-5.5	35-41 / 56-66	13 X 19 RH	AL	3	Black Diamond	QA2038X	6E5-45941-00-EL	(1)
14-17 / 4.2-5.2	39-46 / 63-74	12 3/4 X 21 RH	AL	3	Black Diamond	QA2040X	6E5-45943-00-EL	(1)
to 16 / to 4.8	44-50 / 71-81	12 1/2 X 23 RH	AL	3	Black Diamond	QA2042X	6E5-45952-00-EL	(1)
Pontoon	to 19 / to 31	13.8 X 10 RH	AL	4	Nemesis Pontoon	48-8M8027497		(1)
Pontoon	to 21 / to 34	13.8 X 11 RH	AL	4	Nemesis Pontoon	48-8M8027498		(1)
Pontoon	19-27 / 31-44	13.8 X 13 RH	AL	4	Nemesis Pontoon	48-8M8027500		(1)
18-20 / 5.5-6.1	25-32 / 40-52	13.4 X 15 RH	AL	4	Nemesis	48-8M8027502		(1)
17-19 / 5.2-5.8	30-38 / 48-61	13.0 X 17 RH	AL	4	Nemesis	48-8M8027504		(1)
15-18 / 4.5-5.5	35-41 / 56-66	12.5 X 19 RH	AL	4	Nemesis	48-8M8027506		(1)
Pontoon	19-27 / 31-44	14 X 13 RH	AL	4	Q4	48- <b>8M</b> 0055559		(1)
18-20 / 5.5-6.1	25-32 / 40-52	13.5 X 15 RH	AL	4	Q4	48-8M0055560		(1)
17-19 / 5.2-5.8	30-38 / 48-61	13.0 X 17 RH	AL	4	Q4	48- <b>8M</b> 0055561		(1)
15-18 / 4.5-5.5	35-41 / 56-66	12.7 X 19 RH	AL	4	Q4	48-8M0055562		(1)
14-17 / 4.2-5.2	39-46 / 63-74	12.7 X 21 RH	AL	4	Q4	48-8M0055563		(1)
18-20 / 5.5-6.1	25-32 / 40-52	13 3/8 X 14 RH	SS	3	Silverado	QS5114X	688-45932-60-98	(1)
17-19 / 5.2-5.8	30-38 / 48-61	13 1/8 X 16 RH	SS	3	Silverado	QS5116X	688-45978-60-98	(1)
15-18 / 4.5-5.5	35-41 / 56-66	13 X 18 RH	SS	3	Silverado	QS5118X	688-45930-02-98	(1)

<sup>(1)</sup> Use Flo-Torq II attaching hardware kit 835272Q1 on 50 to 100HP applications and kit 835271Q2 on 115 & 130HP units. Purchase separately.

<sup>(2)</sup> Extra Cup Version

# 150-300 Horsepower - Yamaha

150 HP 1986 and Newer, F150 4-Stroke 2004 and Newer

175 HP 1984 and Newer

200 HP 1984 and Newer, F200 HP 4-Stroke 2002 and Newer

220 HP Special 1984-85

225 HP Excel 1987-88

225 HP 1986 and Newer, F225 HP 4-Stroke 2002 and Newer

250 HP 1990 and Newer (Including VMAX), F250 HP 4-Stroke 2005 and Newer

300 HP 2003 and Newer, 300 HPDI 2004 and Newer

150-250 HP SHO 4-Stroke

15 Tooth Spline

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Pontoon	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48-8M0055531		(2)
Pontoon	to 29 / to 47	14 X 14 RH	AL	4	Nemesis	48-8M0055533		(2)
21-25 / 6.4-7.8	36-44 / 58-71	14 X 17 RH	AL	4	Nemesis	48-8M0055534		(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 X 19 RH	AL	4	Nemesis	48-8M0055535		(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 X 21 RH	AL	4	Nemesis	48-8M0055536		(2)
17-20 / 5.2-6.1	53-61 / 85-98	14 X 23 RH	AL	4	Nemesis	48-8M0055537		(2)
House/Work	to 24 / to 39	16 X 11 RH	AL	3	Black Diamond	QA2000X		(2)
25-30 / 7.8-9.1	23-32 / 37-52	16 X 13 RH	AL	3	Black Diamond	QA2004X		(2)
23-29 / 7.0-8.8	27-35 / 44-56	16 X 14 RH	AL	3	Black Diamond	QA2006X		(2)
22-27 / 6.7-8.2	30-38 / 48-61	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	6G5-45941-00-98	(2)
23-26 / 6.7-7.9	33-40 / 53-65	16 X 16 RH	AL	3	Black Diamond	QA2010X	6G5-45952-00-98	(2)
21-25 / 6.4-8.8	36-44 / 58-71	15 X 17 RH	AL	3	Black Diamond	QA1912X		(2)
20-24 / 6.1-7.3	39-47 / 63-76	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X		(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X		(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X		(2)
17-20 / 5.2-6.1	53-61 / 86-98	14 X 23 RH	AL	3	Black Diamond	QA1920X	6G5-45949-00-98	(2)
22-27 / 6.7-8.2	30-38 / 48-61	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	6G5-45970-02-98	(2)
21-25 / 6.4-8.8	36-44 / 58-71	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	6G5-45978-03-98	(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 X 19 RH	SS	3	Silverado	QS5054X	6G5-45974-03-98	(2)
18-22 / 5.5-6.7	47-56 / 76-90	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	6G5-45972-02-98	(2)
21-25 / 6.4-8.8	36-44 / 58-71	13 1/2 X 17	SS	5	QST 5	QS1154X		(2)
19-23 / 5.8-7.0	42-50 / 68-81	13 1/3 X 19	SS	5	QST 5	QS5758X		(2)
18-22 / 5.5-6.7	47-56 / 76-90	13 1/3 X 21	SS	5	QST5	QS5760X		(2)
22-27 / 6.7-8.2	30-38 / 48-61	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X		(2)
21-25 / 6.4-8.8	36-44 / 58-71	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X	6R4-45978-A0-00	(2)
19-23 / 5.8-7.0	42-50 / 68-81	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X	6R4-45970-A0-00	(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X	6R4-45972-A0-00	(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 5/8 X 21 RH	SS	3	Torrent	QS5862X		(2)(3)
17-20 / 5.2-6.1	53-61 / 86-98	14 5/8 X 23 RH	SS	3	Torrent	QS5864X		(2)(3)
to 19 / to 5.8	59-69 / 95-111	14 5/8 X 25 RH	SS	3	Torrent	QS5866X		(2)(3)
Pontoon	10-25 / 16-40	16 X 11P RH	SS	3	Q3	48-8M0103516		(2)
Pontoon	11-26 / 17-41	15.6 X 13P RH	SS	3	Q3	48-8M0103517		(2)
Pontoon	12-27 / 18-42	15.3 X 14P RH	SS	3	Q3	48-8M0103518		(2)
Pontoon/Cruiser	17-30 / 27-49	15 X 15P RH	SS	3	Q3	48-8M0103519		(2)
21-26 / 6.4-7.8	24-36 / 39-58	14.7 X 16P R	SS	3	Q3	48-8M0103520		(2)
21-26 / 6.4-7.8	30-42 / 48-68	14.5 X 17P RH	SS	3	Q3	48-8M0103521		(2)
19-22 / 5.8-6.7	33-45 / 53-73	14.2 X 18P RH	SS	3	Q3	48-8M0103522		(2)
19-22 / 5.8-6.7	36-49 / 58-79	14 X 19P RH	SS	3	Q3	48-8M0103523		(2)
17-20 / 5.2-6.1	39-52 / 63-84	13.8 X 20P RH	SS	3	Q3	48-8M0103524		(2)
17-20 / 5.2-6.1	42-56 / 68-90	13.6 X 21P RH	SS	3	Q3	48-8M0103525		(2)
21-26 / 6.4-7.8	30-42 / 48-68	14.6 X 17P RH	SS	4	Q4	48-8M0103526		(2)(3)
19-22 / 5.8-6.7	36-49 / 58-79	14.6 X 19P RH	SS	4	Q4	48-8M0103528		(2)(3)
17-20 / 5.2-6.1	42-56 / 68-90	14.6 X 21P RH	SS	4	Q4	48- <b>8M</b> 0103530		(2)(3)

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
15-19 / 4.5-5.8	50-64 / 81-103	14.6 X 23P RH	SS	4	Q4	48-8M0103533		(2)(3)
LH Propellers (1)(1)		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X	6R1-45978-A0-00	(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X	6R1-45970-A0-00	(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103527		(2)(3)
		14.6 X 19P LH	SS	4	Q4	48-8M0103529		(2)(3)
		14.6 X 21P LH	SS	4	Q4	48-8M0103531		(2)(3)
		14.6 X 23P LH	SS	4	Q4	48- <b>8M</b> 0103533		(2)(3)

<sup>(1)</sup> For Length and Current MPH of LH Propellers, find the matching family and pitch of RH Propeller.

# MERCRUISER STERNDRIVE APPLICATION CHARTS

#### ALPHA ONE, MERCRUISER I

MERCRUISER I 120-190 HP

Models 470, 485, 888, 898, 225S & 233

ALPHA ONE 1986 AND NEWER

4.5 Liter 200 HP 2014 and Newer

2.5 Liter 120HP 1986-89

3.0 Liter 125-140HP 1986 & Newer

3.7 Liter 165-190HP 1986-89

Warning! Check for adequate tip clearance with stainless and 4 blade aluminum props. If necessary, switch to a flat tab anode (76214Q 5) or high performance trim tab (822777Q 1) to permit clearance.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Work / House	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48-8M0055531	48-8M0084491	(2)
Work / House	to 29 / to 46	14 X 14 RH	AL	4	Nemesis	48-8M0055533	48-8M0084493	(2)
21-25 / 6.4-7.8	36-44 / 58-71	14 X 17 RH	AL	4	Nemesis	48-8M0055534	48-8M0084494	(2)
19-23 / 5.8-7.0	42-50 / 68-81	14 X 19 RH	AL	4	Nemesis	48-8M0055535	48-8M0084495	(2)
18-22 / 5.5-6.7	47-56 / 76-90	14 X 21 RH	AL	4	Nemesis	48-8M0055536	48-8M0084496	(2)
17-20 / 5.2-6.1	53-61 / 85-98	14 X 23 RH	AL	4	Nemesis	48-8M0055537	48-8M0084497	(2)
24+ / 7.3	to 10 / to 16	16 X 11 RH	AL	3	Black Diamond	QA2000X	78112A45	(2)
23-27 / 7.0-8.2	18-22 / 29-36	16 X 13 RH	AL	3	Black Diamond	QA2004X	78114A45	(2)
21-25 / 6.4-7.6	22-26 / 36-42	16 X 14 RH	AL	3	Black Diamond	QA2006X	16438A45	(2)
21-25 / 6.4-7.8	22-31 / 36-50	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	78116A45	(2)
21-25 / 6.4-7.8	26-31 / 42-50	16 X 16 RH	AL	3	Black Diamond	QA2010X	16440A45	(2)
19-23 / 5.8-7.0	30-36 / 48-58	15 X 17 RH	AL	3	Black Diamond	QA1912X	832828A45	(2)
18-22 / 5.5-6.7	32-38 / 52-61	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X	48- <b>11324A45</b>	(2)
17-21 / 5.2-6.4	35-41 / 56-66	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X	832830A45	(2)
to 19 / to 5.8	40-46 / 65-74	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X	832832A45	(2)
to 18 / to 5.5	44-49 / 71-79	14 X 23 RH	AL	3	Black Diamond	QA1920X	832834A45	(2)
21-25 / 6.4-7.8	22-31 / 36-50	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	16312A46	(2)
19-23 / 5.8-7.0	30-36 / 48-58	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	16314A46	(2)
17-21 / 5.2-6.4	35-41 / 56-66	14 X 19 RH	SS	3	Silverado	QS5054X	16316A46	(2)
to 19 / to 5.8	40-46 / 65-74	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	16318A46	(2)
19-23 / 5.8-7.0	30-36 / 48-58	13 /12 X 17 RH	SS	5	QST 5	QS1154X	48-821154A46	(2)
17-21 / 5.2-6.4	35-41 / 56-66	13 1/3 X19 RH	SS	5	QST 5	QS5758X	48-815758A46	(2)
to 19 / to 5.8	35-41 / 56-66	13 1/3 X 21 RH	SS	5	QST 5	QS5760X	48-815760A46	(2)
21-25 / 6.4-7.8	22-31 / 36-50	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X	19838A46	(2)
19-23 / 5.8-7.0	30-36 / 48-58	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X	18278A46	(2)
17-21 / 5.2-6.4	35-41 / 56-66	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X	13700A46	(2)
to 19 / to 5.8	40-46 / 65-74	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X	13702A46	(2)

<sup>(2)</sup> Flo-Torq II kit 835271Q2 for 150-300 HPDI and VMAX. Flo-Torq II kit 8M0075402 for 2014 and older 200-250 HP SHO. Flo-Torq II kit 835274Q1 for 2015 and Newer 115-250 SHO and 150-300 4-stroke outboards.

<sup>(3)</sup> Use forward bushing 23-856163Q1 along with Flo-Torq hub kit for surface piercing applications with Q4 and Torrent propellers. Purchase separately.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
24+ / 7.3+	to 10 / to 16	16 X 11P RH	SS	3	Q3	48-8M0103516	8M0070079	(2)
23-27 / 7.0-8.2	15-18 / 24-29	15.6 X 13P RH	SS	3	Q3	48-8M0103517	8M0070079	(2)
23-27 / 7.0-8.2	18-22 / 29-36	15.3 X 14P RH	SS	3	Q3	48-8M0103518	898990A46	(2)
21-25 / 6.4-7.6	22-26 / 36-42	15 X 15P RH	SS	3	Q3	48-8M0103519	898990A46	(2)
21-25 / 6.4-7.6	22-31 / 36-50	14.7 X 16P RH	SS	3	Q3	48-8M0103520	898992A46	(2)
21-25 / 6.4-7.6	26-31 / 42-50	14.5 X 17P RH	SS	3	Q3	48-8M0103521	898994A46	(2)
19-23 / 5.8-7.0	30-36 / 48-58	14.2 X 18P RH	SS	3	Q3	48-8M0103522	898996A46	(2)
18-22 / 5.5-6.7	32-38 / 52-61	14 X 19P RH	SS	3	Q3	48-8M0103523	898998A46	(2)
17-21 / 5.2-6.4	34-41 / 56-66	13.8 X 20P RH	SS	3	Q3	48-8M0103524	899900A46	(2)
to 19 / to 5.8	40-46 / 64-74	13.6 X 21P RH	SS	3	Q3	48-8M0103525	899902A46	(2)
21-25 / 6.4-7.6	26-31 / 42-50	14.6 X 17P RH	SS	4	Q4	48-8M0103526	857024A46	(2)
18-22 / 5.5-6.7	32-38 / 52-61	14.6 X 19P RH	SS	4	Q4	48-8M0103528	857026A46	(2)
to 19 / to 5.8	40-46 / 64-74	14.6 X 21P RH	SS	4	Q4	48-8M0103530	857028A46	(2)
to 18 / to 5.5	44-49 / 71-79	14.6 X 23P RH	SS	4	Q4	48-8M0103532	857030A46	(2)
LH Propellers(1)		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X	90159A46	(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X	13701A46	(2)
		14.6 X 19P LH	SS	4	Q4	48-8M0103527	857025A46	(2)
		14.6 X 21P LH	SS	4	Q4	48-8M0103529	857027A46	(2)
		14.6 X 23P LH	SS	4	Q4	48-8M0103531	857029A46	(2)
		14.6 X 23P LH	SS	4	Q4	48-8M0103533	857031A46	(2)

<sup>(1)</sup> For Length and Current MPH of LH Propellers, find the matching family and pitch of RH Propeller.

# **ALPHA ONE/BRAVO ONE**

MERCRUISER 200-280 HP Thru 1985 Models 228, 255, 260, & 280TRS

ALPHA ONE/BRAVO ONE 1986 AND NEWER

4.5 Liter 200-250 HP 2014 and Newer

4.3 Liter 155-250 HP 1986 - 2014

5.0 Liter 180-250 HP 1986 - 2014 (Including 262 Mag)

Warning! Check for adequate tip clearance when installing stainless steel or aluminum 4 blade propellers. If necessary, swicht to high performance trim tab (822777Q1) to allow adequate clearance.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Work / House	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48-8M0055531	48-8M0084491	(2)
Work / House	to 29 / to 46	14 X 14 RH	AL	4	Nemesis	48-8M0055533	48-8M0084493	(2)
22-26 / 6.7-7.9	36-41 / 58-66	14 X 17 RH	AL	4	Nemesis	48-8M0055534	48-8M0084494	(2)
21-25 / 6.4-7.6	41-46 / 66-74	14 X 19 RH	AL	4	Nemesis	48-8M0055535	48-8M0084495	(2)
19-23 / 5.8-7.0	46-51 / 74-82	14 X 21 RH	AL	4	Nemesis	48-8M0055536	48-8M0084496	(2)
to 20 / to 6.1	51-56 / 74-90	14 X 23 RH	AL	4	Nemesis	48- <b>8M0055537</b>	48-8M0084497	(2)
26+ / 7.9+	to 16 / to 26	16 X 11 RH	AL	3	Black Diamond	QA2000X	48-78112A45	(2)
24-29 / 7.3-8.8	17-26 / 5.2-42	16 X 13 RH	AL	3	Black Diamond	QA2004X	48-78114A45	(2)
24-29 / 7.3-8.8	22-31 / 35-50	16 X 14 RH	AL	3	Black Diamond	QA2006X	48-16438A45	(2)
23-27 / 7.0-8.2	26-36 / 42-58	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	48-78116A45	(2)
23-27 / 7.0-8.2	31-39 / 50-63	16 X 16 RH	AL	3	Black Diamond	QA2010X	48-16440A45	(2)
22-26 / 6.7-7.9	36-41 / 58-66	15 X 17 RH	AL	3	Black Diamond	QA1912X	48-832828A45	(2)
22-26 / 6.7-7.9	38-44 / 61-71	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X	48-11324A45	(2)
21-25 / 6.4-7.6	41-46 / 66-74	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X	48-832830A45	(2)
19-23 / 5.8-7.0	46-51 / 74-82	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X	48-832832A45	(2)
to 20 / to 6.1	51-56 / 74-90	14 X 23 RH	AL	3	Black Diamond	QA1920X	48-832834A45	(2)
23-27 / 7.0-8.2	26-36 / 42-58	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	48-16312A46	(2)
22-26 / 6.7-7.9	36-41 / 58-66	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	48-16314A46	(2)
21-25 / 6.4-7.6	41-46 / 66-74	14 X 19 RH	SS	3	Silverado	QS5054X	48-16316A46	(2)
19-23 / 5.8-7.0	46-51 / 74-82	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	48-16318A46	(2)
22-26 / 6.7-7.9	36-41 / 58-66	13 1/2 X 17 RH	SS	5	QST 5	QS1154X	821154A46	(2)

<sup>(2)</sup> Use Flo-Torq II attaching hardware kit 835257Q1. Purchase separately.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
21-25 / 6.4-7.6	41-46 / 66-74	13 1/3 X 19 RH	SS	5	QST 5	QS5758X	815758A46	(2)
19-23 / 5.8-7.0	46-51 / 74-82	13 1/3 X 21 RH	SS	5	QST 5	QS5760X	815760A46	(2)
23-27 / 7.0-8.2	26-36 / 42-58	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X	48-19838A46	(2)
22-26 / 6.7-7.9	36-41 / 58-66	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X	48-18278A46	(2)
21-25 / 6.4-7.6	41-46 / 66-74	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X	48-13700A46	(2)
19-23 / 5.8-7.0	46-51 / 74-82	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X	48-13702A46	(2)
26+ / 7.9+	to 16 / to 26	16 X 11P RH	SS	3	Q3	48-8M0103516	8M0070079	(2)
24-29 / 7.3-8.8	16-21 / 26-34	15.6 X 13P RH	SS	3	Q3	48-8M0103517	8M0070077	(2)
24-29 / 7.3-8.8	17-26 / 30-42	15.3 X 14P RH	SS	3	Q3	48-8M0103518	898988A46	(2)
24-29 / 7.3-8.8	22-31 / 35-50	15 X 15P RH	SS	3	Q3	48-8M0103519	898990A46	(2)
23-27 / 7.0-8.2	26-36 / 42-58	14.7 X 16P RH	SS	3	Q3	48-8M0103520	898992A46	(2)
23-27 / 7.0-8.2	31-39 / 50-63	14.5 X 17P RH	SS	3	Q3	48-8M0103521	898994A46	(2)
22-26 / 6.7-7.9	36-41 / 58-66	14.2 X 18P RH	SS	3	Q3	48-8M0103522	898996A46	(2)
22-26 / 6.7-7.9	38-44 / 61-71	14 X 19P RH	SS	3	Q3	48-8M0103523	898998A46	(2)
21-25 / 6.4-7.6	41-46 / 66-74	13.8 X 20P RH	SS	3	Q3	48-8M0103524	899000A46	(2)
19-23 / 5.8-7.0	46-51 / 74-82	13.6 X 21P RH	SS	3	Q3	48-8M0103525	899002A46	(2)
23-27 / 7.0-8.2	31-39 / 50-63	14.6 X 17P RH	SS	4	Q4	48-8M0103526	857024A46	(2)
22-26 / 6.7-7.9	38-44 / 61-71	14.6 X 19P RH	SS	4	Q4	48-8M0103528	857026A46	(2)
19-23 / 5.8-7.0	46-51 / 74-82	14.6 X 21P RH	SS	4	Q4	48-8M0103530	857028A46	(2)
to 20 / to 6.1	51-56 / 74-90	14.6 X 23P RH	SS	4	Q4	48-8M0103532	857030A46	(2)
LH Propellers (1)		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X	48-90159A46	(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X	48-13701A46	(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103527	857025A46	(2)
		14.6 X 19P LH	SS	4	Q4	48- <b>8M0103529</b>	857027A46	(2)
		14.6 X 21P LH	SS	4	Q4	48-8M0103531	857029A46	(2)
		14.6 X 23P LH	SS	4	Q4	48-8M0103533	857031A46	(2)

<sup>(1)</sup> For Length and Current MPH of LH Propellers, find the matching family and pitch of RH Propeller.

# ALPHA ONE/BRAVO ONE

Model 330TRS

4.5 Liter 250 HP 2014 & Newer

5.7 Liter 210-320 HP 1986 & Newer

6.2 Liter 320 HP 2001 & newer

7.4 Liter 300-385 HP 1988 & Newer 8.1 Liter 375-425 HP 2001 & Newer

8.2 Liter 390-415 HP 1990 & Newer

Including 350, 454, 496 & 502 Mag. & 320 EFI

Add 2" of pitch to suggested size for singe engine applications 385 HP and above.

Caution! Check for adequate blade tip clearance when installing stainless steel propellers. If necessary, switch to Mercury trim tab 822777Q1 to ensure adequate blade clearance.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
22-26 / 6.7-7.9	36-41 / 58-66	14 X 17 RH	AL	4	Nemesis	48-8M0055534	48-8M0084494	(2)
21-25 / 6.4-7.6	41-46 / 66-74	14 X 19 RH	AL	4	Nemesis	48-8M0055535	48-8M0084495	(2)
19-23 / 5.8-7.0	46-51 / 74-82	14 X 21 RH	AL	4	Nemesis	48-8M0055536	48-8M0084496	(2)
to 20 / to 6.1	51-56 / 74-90	14 X 23 RH	AL	4	Nemesis	48-8M0055537	48-8M0084497	(2)
29+ / 8.8+	to18 / to 29	16 X 11 RH	AL	3	Black Diamond	QA2000X	48-78112A45	(2)
29-34 / 8.8-10.3	18-30 / 29-48	16 X 13 RH	AL	3	Black Diamond	QA2004X	48-78114A45	(2)
29-32 / 8.8-9.7	24-35 / 39-56	16 X 14 RH	AL	3	Black Diamond	QA2006X	48-16438A45	(2)
27-30 / 8.2-9.1	29-40 / 47-65	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	48-78116A45	(2)
26-30 / 8.2-9.1	29-40 / 47-65	16 X 16 RH	AL	3	Black Diamond	QA2010X	48-16440A45	(2)
25-29 / 7.6-8.8	40-46 / 65-74	15 X 17 RH	AL	3	Black Diamond	QA1912X	48-832828A45	(2)
24-28 / 7.3-8.9	43-49 / 69-79	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X	48-11324A45	(2)
23-26 / 7.0-7.9	46-51 / 74-82	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X	48-832830A45	(2)
22-25 / 6.7-7.6	51-56 / 82-90	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X	48-832832A45	(2)

<sup>(2)</sup> Use Flo-Torq II attaching hardware kit 835257Q1. Order separate.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
22-24 / 6.7-7.3	56-62 / 90-100	14 X 23 RH	AL	3	Black Diamond	QA1920X	48-832834A45	(2)
27-30 / 8.2-9.1	29-40 / 47-65	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	48-16312A46	(2)
25-29 / 7.6-8.8	40-46 / 65-74	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	48-16314A46	(2)
23-26 / 7.0-7.9	46-51 / 74-82	14 X 19 RH	SS	3	Silverado	QS5054X	48-16316A46	(2)
22-25 / 6.7-7.6	51-56 / 82-90	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	48-16318A46	(2)
25-29 / 7.6-8.8	40-46 / 65-74	13 1/2 X 17 RH	SS	5	QST 5	QS1154X	48-821154A46	(2)
23-26 / 7.0-7.9	46-51 / 74-82	13 1/3 X 19 RH	SS	5	QST 5	QS5758X	48-815758A46	(2)
22-25 / 6.7-7.6	51-56 / 82-90	13 1/3 X 21 RH	SS	5	QST 5	QS5760X	48-815760A46	(2)
27-30 / 8.2-9.1	29-40 / 47-65	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X	48-19838A46	(2)
25-29 / 7.6-8.8	40-46 / 65-74	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X	48-18278A46	(2)
23-26 / 7.0-7.9	46-51 / 74-82	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X	48-13700A46	(2)
22-25 / 6.7-7.6	51-56 / 82-90	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X	48-13702A46	(2)
29+ / 8.8+	to 18 / to 29	16 X 11P RH	SS	3	Q3	48-8M0103516	8M0070077	(2)
29-34 / 8.8-10.3	18-25 / 29-40	15.6 X 13P RH	SS	3	Q3	48-8M0103517	8M0070079	(2)
29-34 / 8.8-10.3	18-30 / 29-48	15.3 X 14P RH	SS	3	Q3	48-8M0103518	898988A46	(2)
29-32 / 8.8-9.7	24-35 / 39-56	15 X 15P RH	SS	3	Q3	48-8M0103519	898990A46	(2)
27-30 / 8.2-9.1	29-40 / 47-65	14.7 X 16P RH	SS	3	Q3	48-8M0103520	898992A46	(2)
26-30 / 8.2-9.1	29-40 / 47-65	14.5 X 17P RH	SS	3	Q3	48-8M0103521	898994A46	(2)
25-29 / 7.6-8.8	40-46 / 64-74	14.2 X 18P RH	SS	3	Q3	48-8M0103522	898996A46	(2)
24-28 / 7.3-8.9	43-49 / 69-79	14 X 19P RH	SS	3	Q3	48-8M0103523	898998A46	(2)
23-26 / 7.0-7.9	46-51 / 74-82	13.8 X 20P RH	SS	3	Q3	48-8M0103524	899000A46	(2)
22-25 / 6.7-7.6	51-56 / 82-90	13.6 X 21P RH	SS	3	Q3	48-8M0103525	899002A46	(2)
26-30 / 8.2-9.1	29-40 / 47-65	14.6 X 17P RH	SS	4	Q4	48-8M0103526	857024A46	(2)
24-28 / 7.3-8.9	43-49 / 69-79	14.6 X 19P RH	SS	4	Q4	48-8M0103528	857026A46	(2)
22-25 / 6.7-7.6	51-56 / 82-90	14.6 X 21P RH	SS	4	Q4	48-8M0103530	857028A46	(2)
22-24 / 6.7-7.3	56-62 / 90-100	14.6 X 23P RH	SS	4	Q4	48-8M0103532	857030A46	(2)
LH Propellers (1)		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X	48-90159A46	(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X	48-13701A46	(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103527	857025A46	(2)
		14.6 X 19P LH	SS	4	Q4	48-8M0103529	857027A46	(2)
		14.6 X 21P LH	SS	4	Q4	48-8M0103531	857029A46	(2)
		14.6 X 23P LH	SS	4	Q4	48-8M0103533	857031A46	(2)

<sup>(1)</sup> For Length and Current MPH of LH Propellers, find the matching family and pitch of RH Propeller.

# Bravo Two 1988 and Newer - MerCruiser

- •4.3L 155-250hp 1996 & Newer •5.0L 180-250hp 1995 & Newer
- •5.7L 210-300hp 1993 & Newer •6.2L 320hp 2001 & Newer
- •7.4L 300-385hp 1990 & Newer •454 385hp 1996 & Newer
- •496 375-425hp 2001 & Newer •502 390-425hp 1996 & Newer
- •D2.8L 150hp 1997 & Newer •D3.6L 180hp 1996 and Newer
- •D4.2L 200-250hp 1996and Newer •D7.3L 260-300hp 1994 and Newer

Length (ft/m)	Current MPH/KPH	Prop Size	Matl	#Blades	Style	Quicksilver P/N	OEM P/N	Hub System
34-35/10.4-13.7	0-14/0-20	20 x 11 RH	AL	3	Black Diamond Bll	48-8M0155024	48-8M0155024	Rubber Bushing
31-39/9.4-12	14-19/20-30	19 1/2 x 13 RH	AL	3	Black Diamond Bll	48-8M0155026	48-8M0155026	Rubber Bushing
29-37/8.8-11.3	19-23/30-38	19 1/4 x 15 RH	AL	3	Black Diamond Bll	48-8M0155028	48-8M0155028	Rubber Bushing
28-32/8.5-9.8	24-31/38-46	18 3/4 x 17 RH	AL	3	Black Diamond Bll	48-8M0155030	48-8M0155030	Rubber Bushing
26-30/7.8-9.1	32-36/52-58	18 1/4 x 19 RH	AL	3	Black Diamond Bll	QA1940R	48-18614A40	Rubber Bushing
25-28/7.5-8.5	35-40/56-65	17 3/4 x 21 RH	AL	3	Black Diamond Bll	QA1946R	48-18616A40	Rubber Bushing
24-27/7.2-8.2	39-44/63-71	17 1/2 x 23 RH	AL	3	Black Diamond Bll	QA1952R	48-18618A40	Rubber Bushing
23-25/7.0-8.0	42-47/65-73	17 1/4 x 25 RH	AL	3	Black Diamond Bll	48-8M0078092	48-8M0078092	Rubber Bushing
LH Propellers (1)(1)		20 x 11 LH	AL	3	Black Diamond Bll	48-8M0155023	48-8M0155023	Rubber Bushing
		19 1/2 x 13 LH	AL	3	Black Diamond Bll	48-8M0155025	48-8M0155025	Rubber Bushing

<sup>(2)</sup> Use Flo-Torq II attaching hardware kit 835257Q1 Order separate, except on 400 HP and above applications use solid hub kit 835258Q2. Order separate.

Length (ft/m)	Current MPH/KPH	Prop Size	Matl	#Blades	Style	Quicksilver P/N	OEM P/N	Hub System
		19 1/4 x 15 LH	AL	3	Black Diamond Bll	48-8M0155027	48-8M0155027	Rubber Bushing
		18 3/4 x 17 LH	AL	3	Black Diamond Bll	48-8M0155029	48- <b>8M0155029</b>	Rubber Bushing
		18 1/4 x 19 LH	AL	3	Black Diamond Bll	QA1941R	48-18615A40	Rubber Bushing
		17 3/4 x 21 LH	AL	3	Black Diamond Bll	QA1947R	48-18617A40	Rubber Bushing
		17 1/2 x 23 LH	AL	3	Black Diamond Bll	QA1953R	48-18619A40	Rubber Bushing
		17 1/4 x 25 LH	AL	3	Black Diamond Bll	48- <b>8M0078093</b>	48- <b>8M0078093</b>	Rubber Bushing

<sup>(1)</sup> For Length and Current MPH of LH Propellers, find the matching family and pitch of RH Propeller.

#### Bravo Three 1993 and Newer - MerCruiser

The Quicksilver Bravo Three propeller set is now standard issue within Quicksilver Propellers!

The Quicksilver Bravo Three features 4-blade front, 3-blade rear set that offers better acceleration performance and enhanced holding. Mixing with old style three blade front three blade rear Thunderbolt BIII propellers is not recommended. For part number information on the old Bravo Three propellers (Pre 2008) see the historical propeller charts section of this guide.

- •4.3L 155-250hp 1996 & Newer •4.5L 200-250hp 2014 & Newer
- •5.0L 180-250hp 1998 & Newer •5.7L 210-300hp 1994 & Newer
- •6.2L 320hp 2001 -2015 •6.2L 300-350hp 2015 & Newer
- •7.4L 300-385hp 1993 & Newer •454 385hp 1995 & Newer
- •496 375-425hp 2001 & Newer •502 390-425hp?1995 & Newer
- •8.2L 380-430 2011 & Newer
- •D2.8L 150hp 1997 & Newer •D3.6L 180hp 1996 and Newer
- •D4.2L 200-250hp 1996 and Newer •D7.3L 260-300hp 1994 and Newer

Current MPH/KPH	Prop Size	Matl	#Blades	Style	Quicksilver P/N	OEM P/N	Hub System
(Rear Prop)(1)							
<31 / <50	14.4 x 19 RH	SS	3	Quicksilver Bravo III	48-8M0123399	8M8022350	Solid Steel Spline
27-35 / 43-56	14.4 x 20 RH	SS	3	Quicksilver Bravo III	48-8M0123401	8M8022370	Solid Steel Spline
32-40 / 51-64	14.3 x 21 RH	SS	3	Quicksilver Bravo III	48-8M0123403	8M8022390	Solid Steel Spline
34-42 / 55-68	14.25 x 22.5 RH	SS	3	Quicksilver Bravo III	48-8M0123405	8M8022410	Solid Steel Spline
37-44 / 60-71	14 x 24 RH	SS	3	Quicksilver Bravo III	48-8M0123407	8M8022430	Solid Steel Spline
41-48 / 66-77	13.75 x 26 RH	SS	3	Quicksilver Bravo III	48-8M0123409	8M8022450	Solid Steel Spline
46-52 / 74-84	13.5 x 28 RH	SS	3	Quicksilver Bravo III	48-8M0123411	8M8022470	Solid Steel Spline
(Front Prop) (1)							
	16 x 19 LH	SS	4	Quicksilver Bravo III	48-8M0123400	8M8022340	Solid Steel Spline
	16 x 20 LH	SS	4	Quicksilver Bravo III	48-8M0123402	8M8022360	Solid Steel Spline
	15.9 x 21 LH	SS	4	Quicksilver Bravo III	48-8M0123404	8M8022380	Solid Steel Spline
	15.75 x 22.5 LH	SS	4	Quicksilver Bravo III	48-8M0123406	8M8022400	Solid Steel Spline
	15.5 x 24 LH	SS	4	Quicksilver Bravo III	48-8M0123408	8M8022420	Solid Steel Spline
	15.25 x 26 LH	SS	4	Quicksilver Bravo III	48-8M0123410	8M8022440	Solid Steel Spline
	15 x 28 LH	SS	4	Quicksilver Bravo III	48-8M0123412	8M8022460	Solid Steel Spline

<sup>(1)</sup> Add 4" of pitch to above application chart for twin engine installations.

# **OMC STERNDRIVE APPLICATION CHARTS**

#### MODEL 400 AND COBRA - OMC

2.3 Litre 120-128 HP 1978-90 2.5 Litre 120 HP 1978-89

3.0 Litre 130-140 HP 1978-89

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
House/Cruisers	14-26 / 23-42	14 X 13 RH Extra Cup	AL	3	Black Diamond	QA3832X	391668	(1)
19-22 / 5.8-6.7	24-32 / 39-52	13 3/4 X 15 RH	AL	3	Black Diamond	QA2208X	391198	(1)
17-20 / 5.2-6.1	30-40 / 48-65	13 1/4 X 17 RH	AL	3	Black Diamond	QA2206X	391199	(1)

<sup>(1)</sup> Use Flo-Torq II attaching hardware kit 835266Q1. Purchase separately.

#### SEA DRIVE 4 1/4 INCH GEARCASE - OMC

1.6 Litre V-4 1983 & Newer 1.8 Litre V-4 1983 & Newer Add 2" of pitch for twin engines

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
22-26 / 6.7-7.8	14-28 / 23-45	14 X 13 RH Extra Cup	AL	3	Black Diamond	QA3832X	391668	(1)
22-26 / 6.7-7.8	24-36 / 39-58	13 3/4 X 15 RH	AL	3	Black Diamond	QA2208X	391198	(1)

(1) Use Flo-Torq II attaching hardware kit 835266Q1. Purchase separately.

# SEA DRIVE 4 3/4 INCH LARGE GEARCASE - OMC

•2.0 Litre V-4 1982 & Newer •2.5 Litre V-6 1982 & Newer

•2.6 Litre V-6 1982 & Newer •2.7 Litre V-6 1982 & Newer

•3.0 Litre V-6 1982 & Newer •3.6 Litre V-8 1982 & Newer

•4.0 Litre V-8 1982 & Newer

Following suggestions based on twin engines - Deduct 4" of pitch for single engine applications.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Work / House	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48-8M0055531		(2)
Work / House	to 29 / to 46	14 X 14 RH	AL	4	Nemesis	48-8M0055533		(2)
22-26 / 6.7-7.9	36-41 / 58-66	14 X 17 RH	AL	4	Nemesis	48-8M0055534		(2)
21-25 / 6.4-7.6	41-46 / 66-74	14 X 19 RH	AL	4	Nemesis	48-8M0055535		(2)
19-23 / 5.8-7.0	46-51 / 74-82	14 X 21 RH	AL	4	Nemesis	48-8M0055536		(2)
to 20 / to 6.1	51-56 / 74-90	14 X 23 RH	AL	4	Nemesis	48-8M0055537		(2)
Work/House	to 13 / to 21	16 X 11 RH	AL	3	Black Diamond	QA2000X		(2)
Work/House	13-27 / 21-43	16 X 13 RH	AL	3	Black Diamond	QA2004X	391536	(2)
Work/House	16-29 / 26-47	16 X 14 RH	AL	3	Black Diamond	QA2006X		(2)
32-36 / 9.6-10.9 (Twin)	24-34 / 39-55	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	391535	(2)
30-33 / 9.1-10.0 (Twin)	30-40 / 48-65	15 X 17 RH	AL	3	Black Diamond	QA1912X	391200	(2)
28-32 / 8.5-9.6	33-45 / 53-72	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X		(2)
27-30 / 8.2-9.1 (Twin)	36-47 / 58-76	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X	391201	(2)
25-28 / 7.5-8.5 (Twin)	42-54 / 68-87	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X	391202	(2)
23-25 / 6.9-7.6 (Twin)	50-62 / 81-100	14 X 23 RH	AL	3	Black Diamond	QA1920X	391203	(2)
32-36 / 9.6-10.9 (Twin)	24-34 / 39-55	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	174926	(2)
30-33 / 9.1-10.0 (Twin)	30-40 / 48-65	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	176615	(2)
27-30 / 8.2-9.1 (Twin)	36-47 / 58-76	14 X 19 RH	SS	3	Silverado	QS5054X	176617	(2)
25-28 / 7.5-8.5 (Twin)	42-54 / 68-87	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	176619	(2)
30-33 / 9.1-10.0 (Twin)	30-40 / 48-65	13 1/2 X 17 RH	SS	5	QST 5	QS1154X		(2)
27-30 / 8.2-9.1 (Twin)	36-47 / 58-76	13 1/3 X 19 RH	SS	5	QST 5	QS5758X		(2)
25-28 / 7.5-8.5 (Twin)	42-54 / 68-87	13 1/3 X 21 RH	SS	5	QST 5	QS5760X		(2)
32-36 / 9.6-10.9 (Twin)	24-34 / 39-55	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X		(2)
30-33 / 9.1-10.0 (Twin)	30-40 / 48-65	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X		(2)
27-30 / 8.2-9.1 (Twin)	36-47 / 58-76	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X		(2)
25-28 / 7.5-8.5 (Twin)	42-54 / 68-87	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X		(2)
Work/House	to 13 / to 21	16 X 11P RH	SS	3	Q3	48-8M0103516		(2)
Work/House	13-27 / 16-40	15.6 X 13P RH	SS	3	Q3	48-8M0103517		(2)
Work/House	16-29 / 21-43	15.3 X 14P RH	SS	3	Q3	48-8M0103518		(2)
32-36 / 9.6-10.9 (Twin)	24-34 / 26-47	15 X 15P RH	SS	3	Q3	48-8M0103519		(2)
32-36 / 9.6-10.9 (Twin)	26-38 / 30-51	14.7 X 16P RH	SS	3	Q3	48-8M0103520		(2)
30-33 / 9.1-10 (Twin)	30-40 / 39-55	14.5 X 17P RH	SS	3	Q3	48-8M0103521		(2)
28-32 / 8.5-9.6 (Twin)	33-45 / 48-65	14.2 X 18P RH	SS	3	Q3	48-8M0103522		(2)

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N OEM P/N	Hub System
27-30 / 8.2-9.1 (Twin)	36-47 / 53-75	14 X 19P RH	SS	3	Q3	48-8M0103523	(2)
27-30 / 8.2-9.1 (Twin)	38-49 / 55-75	13.8 X 20P RH	SS	3	Q3	48-8M0103524	(2)
25-28 / 7.5-8.5 (Twin)	42-54 / 58-76	13.6 X 21P RH	SS	3	Q3	48-8M0103525	(2)
30-33 / 9.1-10 (Twin)	30-40 / 39-55	14.6 X 17P RH	SS	4	Q4	48-8M0103526	(2)
27-30 / 8.2-9.1 (Twin)	36-47 / 53-75	14.6 X 19P RH	SS	4	Q4	48-8M0103528	(2)
25-28 / 7.5-8.5 (Twin)	42-54 / 58-76	14.6 X 21P RH	SS	4	Q4	48-8M0103530	(2)
23-25 / 6.9-7.6 (Twin)	50-62 / 81-100	14.6 X 23P RH	SS	4	Q4	48-8M0103532	(2)
LH Propellers (1)		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X	(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X	(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103527	(2)
		14.6 X 19P LH	SS	4	Q4	48-8M0103529	(2)
		14.6 X 21P LH	SS	4	Q4	48-8M0103531	(2)
		14.6 X 23P LH	SS	4	Q4	48-8M0103533	(2)

<sup>(1)</sup> For Length and Current MPH of LH Propellers, find the matching family and pitch of RH Propeller.

#### MODEL 800 COBRA AND KING COBRA - OMC

- •3.0 Litre 1990-93 •3.2 Litre Diesel 1992-93
- •3.8 Litre 1978-93 •4.3 Litre 1985-93
- •5.0 Litre 1978-93 •5.7 Litre 1978-93
- •5.8 Litre 1978-93 •454 King (7.4 Litre) 1990-93
- •7.4 Litre 1987-93 •502 King (8.2 litre) 1990-93
- •7.5 Litre 1987-93

See Volvo SX section for 1994 and newer OMC sterndrive applications.

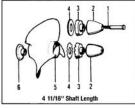
Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Chule	Quicksilver P/N	OEM P/N	Hub System
• , ,		<u> </u>			Style		OEM P/N	
Work / House	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48-8M0055531		(2)
Work / House	to 29 / to 46	14 X 14 RH	AL	4	Nemesis	48-8M0055533		(2)
22-26 / 6.7-7.9	36-41 / 58-66	14 X 17 RH	AL	4	Nemesis	48-8M0055534		(2)
21-25 / 6.4-7.6	41-46 / 66-74	14 X 19 RH	AL	4	Nemesis	48-8M0055535		(2)
19-23 / 5.8-7.0	46-51 / 74-82	14 X 21 RH	AL	4	Nemesis	48-8M0055536		(2)
to 20 / to 6.1	51-56 / 74-90	14 X 23 RH	AL	4	Nemesis	48- <b>8</b> M0055537		(2)
Work/House	to 15 / 24	16 X 11 RH	AL	3	Black Diamond	QA2000X		(2)
Non Planing	22-30 / 36-48	16 X 13 RH	AL	3	Black Diamond	QA2004X	391536	(2)
Non Planing	24-33 / 39-53	16 X 14 RH	AL	3	Black Diamond	QA2006X		(2)
24-28 / 7.2-8.5	26-36 / 42-58	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	391535	(2)
21-27 / 6.4-8.2	34-44 / 55-71	15 X 17 RH	AL	3	Black Diamond	QA1912X	391200	(2)
19-25 / 5.8-7.6	37-47 / 60-76	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X		(2)
17-22 / 5.2-6.7	39-50 / 63-81	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X	391201	(2)
16-21 / 4.8-6.4	44-57 / 71-92	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X	391202	(2)
15-20 / 4.5-6.1	48-62 / 77-100	14 X 23 RH	AL	3	Black Diamond	QA1920X	391203	(2)
24-28 / 7.2-8.5	26-36 / 42-58	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	174926	(2)
21-27 / 6.4-8.2	34-44 / 55-71	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	176615	(2)
17-22 / 5.2-6.7	39-50 / 63-81	14 X 19 RH	SS	3	Silverado	QS5054X	176617	(2)
16-21 / 4.8-6.4	44-57 / 71-92	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	176619	(2)
21-27 / 6.4-8.2	34-44 / 55-71	13 1/2 X 17 RH	SS	5	QST 5	QS1154X		(2)
17-22 / 5.2-6.7	39-50 / 63-81	13 1/3 X 19 RH	SS	5	QST 5	QS5758X		(2)
16-21 / 4.8-6.4	44-57 / 71-92	13 1/3 X 21 RH	SS	5	QST 5	QS5760X		(2)
24-28 / 7.2-8.5	26-36 / 42-58	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X		(2)
21-27 / 6.4-8.2	34-44 / 55-71	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X		(2)
17-22 / 5.2-6.7	39-50 / 63-81	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X		(2)
16-21 / 4.8-6.4	44-57 / 71-92	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X		(2)
Work/House	to 15 / to 24	16 X 11P RH	SS	4	Q3	48-8M0103516		(2)
Non Planing	22-30 / 36-48	15.6 X 13P RH	SS	3	Q3	48-8M0103517		(2)
Non Planing	24-33 / 39-53	15.3 X 14P RH	SS	3	Q3	48-8M0103518		(2)

<sup>(2)</sup> Use Flo-Torq II attaching hardware kit 835265Q02 for 1991 and newer applications and Flo-Torq II kit 835267Q1 for 1990 and older models. Purchase separately.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
24-28 / 7.2-8.5	26-36 / 42-58	15 X 15P RH	SS	3	Q3	48-8M0103519		(2)
24-28 / 7.2-8.5	29-40 / 47-63	14.7 X 16P RH	SS	3	Q3	48-8M0103520		(2)
21-27 / 6.4-8.2	34-44 / 55-71	14.5 X 17P RH	SS	3	Q3	48-8M0103521		(2)
19-25 / 5.8-7.6	37-47 / 60-76	14.2 X 18P RH	SS	3	Q3	48-8M0103522		(2)
17-22 / 5.2-6.7	39-50 / 63-81	14 X 19P RH	SS	3	Q3	48-8M0103523		(2)
17-22 / 5.2-6.7	42-53 / 68-86	13.8 X 20P RH	SS	3	Q3	48-8M0103524		(2)
16-21 / 4.8-6.4	44-57 / 71-92	13.6 X 21P RH	SS	3	Q3	48-8M0103525		(2)
21-27 / 6.4-8.2	34-44 / 55-71	14.6 X 17P RH	SS	4	Q4	48-8M0103525		(2)
17-22 / 5.2-6.7	39-50 / 63-81	14.6 X 19P RH	SS	4	Q4	48-8M0103528		(2)
16-21 / 4.8-6.4	44-57 / 71-92	14.6 X 21P RH	SS	4	Q4	48-8M0103530		(2)
15-20 / 4.5-6.1	48-62 / 77-100	14.6 X 23P RH	SS	4	Q4	48-8M0103532		(2)
LH Propellers (1)		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X		(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X		(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103527		(2)
		14.6 X 19P LH	SS	4	Q4	48-8M0103529		(2)
		14.6 X 21P LH	SS	4	Q4	48-8M0103531		(2)
		14.6 X 23P LH	SS	4	Q4	48-8M0103533		(2)

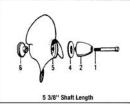
<sup>(1)</sup> For Length and Current MPH of LH Propellers, find the matching family and pitch of RH Propeller.

# **VOLVO PENTA STERNDRIVE APPLICATION CHARTS**



Short Hub Installation

- Boit
   Propeller Cone
   Spacer
   Lock Tab Washer/Nylon Washer
   Propeller
   Fish Line Cutter



Long Hub Installation

- 1 Bolt 2 Propeller Cone 4 Nylon Washer 5 Propeller 6 Fish Line Cutter



<sup>(2)</sup> Use Flo-Torq II attaching hardware kit 835265Q02 for 1991 and newer applications and Flo-Torq II kit 835267Q1 for 1990 and older models. Purchase separately.

# **VOLVO PENTA SX**

SX COBRA

OMC COBRA 1994 & NEWER

3.0 Litre 1994 & Newer

4.3 Litre 1994 & Newer

5.0 Litre 1994 & Newer

5.7 Litre 1994 & Newer

5.8 Litre 1994-97

7.4 Litre 1997 & Newer

8.2 Litre 1997

LARGE 4 3/4" GEARCASE - 19 SPLINE

Caution! When installing stainless steel propellers remove anode attached to bearing carrier and check clearance before operation.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Work / House	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48-8M0055531		(2)
Work / House	to 29 / to 46	14 X 14 RH	AL	4	Nemesis	48-8M0055533		(2)
22-26 / 6.7-7.9	36-41 / 58-66	14 X 17 RH	AL	4	Nemesis	48-8M0055534		(2)
21-25 / 6.4-7.6	41-46 / 66-74	14 X 19 RH	AL	4	Nemesis	48- <b>8M0055535</b>		(2)
19-23 / 5.8-7.0	46-51 / 74-82	14 X 21 RH	AL	4	Nemesis	48-8M0055536		(2)
to 20 / to 6.1	51-56 / 74-90	14 X 23 RH	AL	4	Nemesis	48- <b>8M0055537</b>		(2)
Work/House	to 15 / 24	16 X 11 RH	AL	3	Black Diamond	QA2000X		(2)
Non Planing	22-30 / 35-48	16 X 13 RH	AL	3	Black Diamond	QA2004X	3850298-5	(2)
Non Planing	24-33 / 39-53	16 X 14 RH	AL	3	Black Diamond	QA2006X		(2)
24-28 / 7.3-8.5	26-36 / 42-58	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	3850299-3	(2)
20-27 / 6.1-8.2	34-44 / 55-71	15 X 17 RH	AL	3	Black Diamond	QA1912X	3850300-9	(2)
19-25 / 5.8-7.6	37-47 / 60-76	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X		(2)
17-22 / 5.2-6.7	39-50 / 63-81	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X	3850301-7	(2)
16-20 / 4.8-6.1	44-57 / 55-92	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X	3850302-5	(2)
15-20 / 4.5-6.1	48-62 / 77-100	14 X 23 RH	AL	3	Black Diamond	QA1920X	3850303-3	(2)
24-28 / 7.3-8.5	26-36 / 42-58	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	3850305-8	(2)
20-27 / 6.1-8.2	34-44 / 55-71	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	3850307-7	(2)
17-22 / 5.2-6.7	39-50 / 63-81	14 X 19 RH	SS	3	Silverado	QS5054X	3850308-2	(2)
16-20 / 4.8-6.1	44-57 / 55-92	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	3850309-0	(2)
20-27 / 6.1-8.2	34-44 / 55-71	13 1/2 X 17 RH	SS	5	QST 5	QS1154X		(2)
17-22 / 5.2-6.7	39-50 / 63-81	13 1/3 X 19 RH	SS	5	QST 5	QS5758X		(2)
16-20 / 4.8-6.1	44-57 / 55-92	13 1/3 X 21 RH	SS	5	QST 5	QS5760X		(2)
24-28 / 7.3-8.5	26-36 / 42-58	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X		(2)
20-27 / 6.1-8.2	34-44 / 55-71	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X		(2)
17-22 / 5.2-6.7	39-50 / 63-81	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X		(2)
16-20 / 4.8-6.1	44-57 / 55-92	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X		(2)
Work/House	to 15 / to 24	16 X 11P RH	SS	3	Q3	48-8M0103516		(2)
Non Planing	22-30 / 36-48	15.6 X 13P RH	SS	3	Q3	48-8M0103517		(2)
Non Planing	24-33 / 39-53	15.3 X 14P RH	SS	3	Q3	48-8M0103518		(2)
24-28 / 7.2-8.5	26-36 / 42-58	15 X 15P RH	SS	3	Q3	48-8M0103519		(2)
24-28 / 7.2-8.5	29-40 / 47-63	14.7 X 16P RH	SS	3	Q3	48-8M0103520		(2)
21-27 / 6.4-8.2	34-44 / 55-71	14.5 X 17P RH	SS	3	Q3	48-8M0103521		(2)
19-25 / 5.8-7.6	37-47 / 60-76	14.2 X 18P RH	SS	3	Q3	48-8M0103522		(2)
17-22 / 5.2-6.7	39-50 / 63-81	14 X 19P RH	SS	3	Q3	48-8M0103523		(2)
(2)17-22 / 5.2-6.7	42-53 / 68-86	13.8 X 20P RH	SS	3	Q3	48-8M0103524		(2)
16-(2)21 / 4.8-6.4	44-57 / 71-92	13.6 X 21P RH	SS	3	Q3	48-8M0103525		(2)
21-27 / 6.4-8.2	34-44 / 55-71	14.6 X 17P RH	SS	4	Q4	48-8M0103526		(2)
17-22 / 5.2-6.7	39-50 / 63-81	14.6 X 19P RH	SS	4	Q4	48-8M0103528		(2)
16-21 / 4.8-6.4	44-57 / 71-92	14.6 X 21P RH	SS	4	Q4	48-8M0103530		(2)
15-20 / 4.5-6.1	48-62 / 77-100	14.6 X 23P RH	SS	4	Q4	48-8M0103530		(2)
LH Propellers (1)		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X		(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X		(2)

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
		14.6 X 17P LH	SS	4	Q4	48-8M0103527		(2)
		14.6 X 19P LH	SS	4	Q4	48-8M0103529		(2)
		14.6 X 21P LH	SS	4	Q4	48-8M0103531		(2)
		14.6 X 23P LH	SS	4	Q4	48-8M0103533		(2)

<sup>(1)</sup> For Length and Current MPH of LH Propellers, find the matching family and pitch of RH Propeller.

# Volvo Penta DPS Duo Prop

Any HP All Years

Pitch	Material	Finish	Blades (Front & Rear)	LH Rotation Front Prop	RH Rotation Rear Prop	Model
19	SS	Matte	4 & 3	48-8M8026210		Quicksilver Thunderbolt
20	SS	Matte	4 & 3	48-8M8026230		Quicksilver Thunderbolt
21	SS	Matte	4 & 3	48-8M8026250	48-8M8026260	Quicksilver Thunderbolt
24	SS	Matte	4 & 3		48-8M8026300	Quicksilver Thunderbolt
26	SS	Matte	4 & 3	48-8M8026310	48-8M8026320	Quicksilver Thunderbolt
28	SS	Matte	4 & 3	48-8M8026330	48-8M8026340	Quicksilver Thunderbolt

# YAMAHA STERNDRIVE APPLICATION CHART

# V6/V8 - 4 3/4" GEARCASE - Yamaha

3.0 Liter 1989-93 4.3 liter 1989-93 5.0 Liter 1989-93 5.7 Liter 1989-93

7.4 Liter 1992-93

130-300 HP - V-6/V-8 - 4 3/4" GEARCASE

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
Work / House	to 26 / to 42	14 X 12 RH	AL	4	Nemesis	48- <b>8M0055531</b>		(2)
Work / House	to 29 / to 46	14 X 14 RH	AL	4	Nemesis	48-8M0055533		(2)
22-26 / 6.7-7.9	36-41 / 58-66	14 X 17 RH	AL	4	Nemesis	48-8M0055534		(2)
21-25 / 6.4-7.6	41-46 / 66-74	14 X 19 RH	AL	4	Nemesis	48-8M0055535		(2)
19-23 / 5.8-7.0	46-51 / 74-82	14 X 21 RH	AL	4	Nemesis	48-8M0055536		(2)
to 20 / to 6.1	51-56 / 74-90	14 X 23 RH	AL	4	Nemesis	48-8M0055537		(2)
24+ / 7.3+	to 10 / to 16	16 X 11 RH	AL	3	Black Diamond	QA2000X		(2)
23-27 / 7.0-8.2	15-18 / 24-29	16 X 13 RH	AL	3	Black Diamond	QA2004X		(2)
21-25 / 6.4-7.6	22-26 / 36-42	16 X 14 RH	AL	3	Black Diamond	QA2006X		(2)
22-27 / 6.7-8.2	23-36 / 37-58	15 1/2 X 15 RH	AL	3	Black Diamond	QA2008X	6G5-45941-00-98	(2)
22-26 / 6.7-7.8	26-40 / 42-64	16 X 16 RH	AL	3	Black Diamond	QA2010X	6G5-45952-00-98	(2)
21-25 / 6.4-7.6	30-46 / 48-74	15 X 17 RH	AL	3	Black Diamond	QA1912X		(2)
18-22 / 5.5-6.7	32-38 / 52-61	15 1/2 X 18 RH	AL	3	Black Diamond	QA2014X		(2)
19-23 / 5.8-7.0	35-51 / 56-82	14 1/2 X 19 RH	AL	3	Black Diamond	QA1916X		(2)
18-21 / 5.5-6.4	40-56 / 64-90	14 1/4 X 21 RH	AL	3	Black Diamond	QA1918X		(2)
17-20 / 5.2-6.1	44-62 / 71-100	14 X 23 RH	AL	3	Black Diamond	QA1920X	6G5-45949-00-98	(2)
22-27 / 6.7-8.2	23-36 / 37-58	14 1/2 X 15 RH	SS	3	Silverado	QS5050X	6G5-45970-02-98	(2)
21-25 / 6.4-7.6	30-46 / 48-74	14 1/2 X 17 RH	SS	3	Silverado	QS5052X	6G5-45978-03-98	(2)
19-23 / 5.8-7.0	35-51 / 56-82	14 X 19 RH	SS	3	Silverado	QS5054X	6G5-45974-03-98	(2)
18-21 / 5.5-6.4	40-56 / 64-90	13 3/4 X 21 RH	SS	3	Silverado	QS5056X	6G5-45972-02-98	(2)
21-25 / 6.4-7.6	30-46 / 48-74	13 1/2 X 17 RH	SS	5	QST 5	QS1154X		(2)
19-23 / 5.8-7.0	35-51 / 56-82	13 1/3 X 19 RH	SS	5	QST 5	QS5758X		(2)
18-21 / 5.5-6.4	40-56 / 64-90	13 1/3 X 21 RH	SS	5	QST 5	QS5760X		(2)
22-27 / 6.7-8.2	23-36 / 37-58	15 3/4 X 15 RH	SS	3	Thunderbolt	QS5002X		(2)
21-25 / 6.4-7.6	30-46 / 48-74	15 1/2 X 17 RH	SS	3	Thunderbolt	QS5004X	6R4-45978-A0-00	(2)

<sup>(2)</sup> Use Flo-Torq II attaching hardware kit 8M0119083. Purchase separately.

Length (ft/m)	Current MPH/KPH	Propeller Size	Matl	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
19-23 / 5.8-7.0	35-51 / 56-82	15 1/4 X 19 RH	SS	3	Thunderbolt	QS5006X	6R4-45970-A0-00	(2)
18-21 / 5.5-6.4	40-56 / 64-90	14 3/4 X 21 RH	SS	3	Thunderbolt	QS5008X	6R4-45972-A0-00	(2)
24+ / 7.3+	to 10 / to 16	16 X 11 RH	SS	3	Q3	48-8M0103516		(2)
23-27 / 7-8.2	15-18 / 24-29	15.6 X 13 RH	SS	3	Q3	48-8M0103517		(2)
21-25 / 6.4-7.6	22-26 / 36-42	15.3 X 14 RH	SS	3	Q3	48-8M0103518		(2)
22-27 / 6.7-8.2	23-36 / 37-58	15 X 15 RH	SS	3	Q3	48-8M0103519		(2)
22-26 / 6.7-7.8	26-40 / 42-64	14.7 X 16 RH	SS	3	Q3	48-8M0103520		(2)
21-25 / 6.4-7.6	30-46 / 48-74	14.5 X 17 RH	SS	3	Q3	48-8M0103521		(2)
18-22 / 5.5-6.7	32-38 / 52-61	14.2 X 18 RH	SS	3	Q3	48-8M0103522		(2)
19-23 / 5.8-7	35-51 / 56-82	14.0 X 19 RH	SS	3	Q3	48-8M0103523		(2)
19-23 / 5.8-7	32-52 / 59-87	13.8 X 20 RH	SS	3	Q3	48-8M0103524		(2)
18-21 / 5.5-6.4	40-56 / 64-90	13.6 X 21 RH	SS	3	Q3	48-8M0103525		(2)
21-25 / 6.4-7.6	30-46 / 48-74	14.6 X 17P RH	SS	4	Q4	48-8M0103526		(2)
19-23 / 5.8-7	35-51 / 56-82	14.6 X 19P RH	SS	4	Q4	48-8M0103528		(2)
18-21 / 5.5-6.4	40-56 / 64-90	14.6 X 21P RH	SS	4	Q4	48-8M0103530		(2)
17-20 / 5.2-6.1	44-62 / 71-100	14.6 X 23P RH	SS	4	Q4	48-8M0103532		(2)
LH Propellers(1)		15 1/2 X 17 LH	SS	3	Thunderbolt	QS5005X	6R1-45978-A0-00	(2)
		15 1/4 X 19 LH	SS	3	Thunderbolt	QS5007X	6R1-45970-A0-00	(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103527		(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103529		(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103531		(2)
		14.6 X 17P LH	SS	4	Q4	48-8M0103533		(2)

<sup>(1)</sup> For Length and Current MPH of LH Propellers, find the matching family and pitch of RH Propeller.

<sup>(2)</sup> Use Flo-Torq II attaching hardware kit 835271Q2. Purchase separately.

# QUICKSILVER PROPELLER TYPE

# **QUICKSILVER PROPELLER TYPE**

Propellers sorted by Pitch, then Diameter, then by Rotation (Right-hand, Left-hand)

# QUICKSILVER OUTBOARD PROPELLER SELECTOR CHART

Quicksilver Propeller selector by family for Outboards

# Inflatable

Under 16'

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
4-15 HP	Black Diamond	
20-40 HP	Black Diamond, Nemesis	Silverado

#### **Aluminum**

(under 14')

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
4-15 HP	Black Diamond	
20-40 HP	Black Diamond, Nemesis	Silverado

#### **Aluminum**

(14-21')

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
4-15 HP	Black Diamond	
20-60 HP	Black Diamond, Nemesis	Silverado
70-250 HP	Black Diamond, Nemesis	Silverado, Q3, Q4, QST 5

#### **Fiberglass**

to 14'

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
4-15 HP	Black Diamond	
20-40 HP	Black Diamond, Nemesis	Silverado

#### Fiberglass Runabout/Ski Boat/Inflatable RIB

14-17' (closed deck or bowrider, same hull...)

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
30-60 HP	Black Diamond, Nemesis	Silverado
70-150 HP	Black Diamond, Nemesis	Silverado, Q3

#### Fiberglass Fish-Type

14-17' (fish & ski, side console, center console)

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
30-60 HP	Black Diamond, Nemesis	Silverado
75-150 HP	Black Diamond, Nemesis	Silverado, Q3

# Fiberglass Bass

14-17'

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
30-60 HP	Black Diamond, Nemesis	Silverado
75-150 HP	Black Diamond, Nemesis	Silverado, Q3, Torrent, QST 5

# Fiberglass Runabout/Ski Boat/Inflatable RIB

17-21' (closed deck or bowrider, same hull...)

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
75-140 HP	Black Diamond, Nemesis	Silverado
150-250 HP	Black Diamond, Nemesis	Silverado, Q3, Q4, Thunderbolt, QST 5

# Fiberglass Fish-Type

17-21' (fish & ski, side console, center console, cuddy)

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
75-140 HP	Black Diamond, Nemesis	Silverado
150-250 HP	Black Diamond, Nemesis	Silverado, Q3, Q4, Thunderbolt, QST 5

# Fiberglass Bass

17-21'

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
75-140 HP	Black Diamond, Nemesis	Silverado
150-250 HP	Black Diamond, Nemesis	Silverado, Q3, Torrent, QST 5

#### Fiberglass Fishing

21' + (side console, center console, cuddy)

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
150-250 HP	Black Diamond, Nemesis	Silverado, Q3, Q4, Thunderbolt, QST 5

#### **Aluminum Pontoon**

16-28'

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
9.9-15 HP	Black Diamond	
20-140 HP	Black Diamond, Nemesis	Silverado
150-225 HP	Black Diamond, Nemesis	Silverado, Thunderbolt, Q3, Q4

# **Fiberglass Deckboat**

16-24'

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
30-140 HP	Black Diamond, Nemesis	Silverado
150-225 HP	Black Diamond, Nemesis	Silverado, Thunderbolt, QST 5, Q3, Q4

#### Houseboat/Workboat

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
30-150 HP	Black Diamond, Nemesis	Silverado
200-225 HP	Black Diamond	Silverado, Thunderbolt, Q3, Q4



# **QUICKSILVER PROPELLER TYPE**

# **QUICKSILVER STERNDRIVE PROPELLER SELECTOR CHART**

Quicksilver Propeller selector by famliy for Sterndrives

#### **Fiberglass Cruiser**

21-24'

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
4.3L - 5.0L	Black Diamond, Nemesis	Silverado, Q3, Q4, QST 5
5.7L - 8.2L	Black Diamond, Nemesis	Silverado, Thunderbolt, Q3, Q4, QST 5

#### Fiberglass Sportboat

21-24'

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
5.7L - 8.2L	Black Diamond, Nemesis	Silverado, Thunderbolt, Q3, Q4, QST 5

#### Fiberglass Deckboat/Pontoon Boat

16-26'

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
2.5L - 5.0L	Black Diamond, Nemesis	Silverado, Q3, Q4, QST 5
5.7L - 8.2L	Black Diamond, Nemesis	Silverado, Thunderbolt, Q3, Q4, QST 5

#### Houseboat/Workboat

Model/Horsepower	Aluminum Propeller	Stainless Steel Propeller
2.5L - 5.0L	Black Diamond, Nemesis	Silverado, Q3, Q4,
5.7L - 8.2L	Black Diamond, Nemesis	Silverado, Thunderbolt, Q3, Q4,

# **BLACK DIAMOND**

General purpose 3-blade aluminum propeller Inexpensive and easy to repair

Recommended for speeds less than 50 MPH and applications less than

4-30 hp are rubber hub propellers

40-60 hp standard are equipped with the Reflex hub system 40-60 hp CT (large gearcase) and larger require a Flo Torq II hub

# **BLACK DIAMOND OUTBOARD/STERNDRIVE WITH** 4 3/4 IN GEARCASE (GROUP E)

#### **BLACK DIAMOND**



16 X 11 RH AL 3 BL QA2004X

16 X 13 RH AL 3 BL

QA2006X

16 X 14 RH AL 3 BL

QA2008X

15 1/4 X 15 RH AL 3 BL QA2010X

16 X 16 RH AL 3 BL

**QA1912X** 15 X 17 RH AL 3 BL

QA2014X

15 1/2 X 18 RH AL 3 BL

**QA1916X** 

14 1/2 X 19 RH AL 3 BL

**QA1918X** 

14 1/4 X 21 RH AL 3 BL

**QA1920X** 

14 X 23 RH AL 3 BL

# **BLACK DIAMOND OUTBOARD WITH 4 1/4 IN GEARCASE (GROUP D)**

#### **BLACK DIAMOND**



QA2028X

14 X 10 RH AL 3 BL

QA2828X

14 X 10 RH AL 3 BL Extra Cup

QA2030X

14 X 11 RH AL 3 BL

QA2830X

14 X 11 RH AL 3 BL Extra Cup

QA2832X

14 X 13 RH AL 3 BL Extra Cup

# **BLACK DIAMOND FOR STANDARD 40-60 HP OUTBOARD**

#### **BLACK DIAMOND**



QA2060X

12 1/2 X 8 RH AL 3 BL

QA2062X

12 1/4 X 9 RH AL 3 BL

QA2064X 11 1/4 X 10 RH AL 3 BL

Not all parts listed are available for the European, C.I.S., Africa and Middle East Markets. For more information, please contact your local Mercury, Mariner, MerCruiser or Quicksilver Office.

# QUICKSILVER PROPELLER TYPE

QA2070X

10 7/8 X 11 RH AL 3 BL

QA2074X

10 5/8 X 12 RH AL 3 BL

**QA2072X** 

10 3/4 X 12 RH AL 3 BL

QA2078X

10 3/8 X 13 RH AL 3 BL

QA2076X

10 1/2 X 13 RH AL 3 BL

QA2082X

10 1/4 X 14 RH AL 3 BL

**QA2080X** 

10 3/8 X 14 RH AL 3 BL

QA2084X

10 1/8 X 15 RH AL 3 BL

# **BLACK DIAMOND FOR 85-140 HP EVENRUDE/ JOHNSON V-4**

Black Diamond Propellers designed to fit 85-140 hp Evenrude/Johnson

#### **BLACK DIAMOND**



QA3832X

14 X 13 RH AL 3 BL Extra Cup

#### **BLACK DIAMOND**



QA2208X

13 3/4 X 15 RH AL 3 BL

QA2206X

13.25 X 17 RH AL 3 BL

# **DIAMOND 4**

The Diamond 4 propeller is no longer available.

Quicksilver Propellers recommends the Nemesis as a 4-blade performance upgrade vs the Diamond 4 on outboards 90CT and up as well as sterndrive applications.

When changing to the Nemesis, chose 1" of pitch more vs the Diamond 4 (Example: a 16P Diamond 4 would be a 17P Nemesis)

# **NEMESIS**

Introducing the Nemesis - the ultimate performance aluminum propeller. Do you want to take your boats performance to the next level? The Nemesis provides 16-25% faster acceleration and superior holding all while maintaining top speed vs. a comparable 3 blade aluminum propeller.

Hub Application: For 25-30 HP 4-Stroke outoboards (Flo-Torq I)

40-60 HP standard gearcase outoboards (Flo-Torq Reflex)
40 Bigfoot - 300 HP (Flo-Torq II)
The 10, 11 and 13 pitch propellers for the 40-60 BigFoot are specifially desined for excellent performance in pontoon applications. If engine RPM is appropriate with 3-blade prop, replace with the same pitch Nemesis propeller.

9.5" - 19" pitch RH only

# **NEMESIS 25-30 HP**

25-30 HP 4-Stroke outoboards 2006 and newer Flo-Torg I Rubber Hub.

#### **NEMESIS PROPELLER**



48-8M8027516

9.3 X 9.5P RH AI 4 BL

48-8M8027517 9.3 X 11 RH AL 4 BL

# **NEMESIS 40-60 HP**

25 HP BigFoot, 30 HP 4- Stroke (2005 and earlier) 40-60 HP 2-stroke and 4-Stroke outoboards.

Equipped with Flo-Torg Reflex Hub system to eliminate clutch rattle.

#### **NEMESIS PROPELLER**



48-8M8027510 10.6 X 11 RH AL 4 BL 48-8M8027511 10.6 X 12 RH AL 4 BL 48-8M8027512 10.3 X 13 RH AL 4 BL 48-8M8027513 10.1 X 14 RH AL 4 BL 48-8M8027514

10.1 X 15 RH AL 4 BL

# NEMESIS 40 CT (BIGFOOT) - 125 HP

For 40-60 HP Bigfoot 4-strokes, 75-125 HP 2 and 4-Stroke outoboards.

10-13 Pitch propellers are designed for to provide superior holding and lift for pontoon boats.

Flo-Torq II hub system not included

# **NEMESIS PONTOON PROPELLER**



48-8M8027497 13.8 X 10 RH AL 4 BL 48-8M8027498 13.8 X 11 RH AL 4 BL 48-8M8027500 13.8 X 13 RH AL 4 BL

#### **NEMESIS PROPELLER**



48-8M8027502 13.4 X 15 RH AL 4 BL 48-8M8027504 13.0 X 17 RH AL 4 BL

48-8M8027506 12.5 X 19 RH AL 4 BL

# NEMESIS 90 CT - 300 HP

For 90 CT - 300 HP 2 and 4-Stroke outoboards and most 4.75 inch Gearcase Sterndrives.

Flo-Torq II hub system not included The high performance blade design is not recommended for Alpha One drives with a 1.47 ratio

The New 12 and 14P offering are high performing propellers for 90-115 CT and 150 HP outboard powered pontoons

#### **NEMESIS PROPELLER**



48-8M0055531 14 X 12 AL RH 4BL 48-8M0055533 14 X 14 AL RH 4BL

48-8M0055534 14 X 17 RH AL 4 BL

48-8M0055535 14 X 19 RH AL 4 BL

48-8M0055536 14 X 21 RH AL 4 BL

48-8M0055537

14 X 23 RH AL 4 BL

#### **QUICKSILVER Q3**

The Q3 is a revolutionary propeller that improves both acceleration and top speed on center consoles, high horsepower pontoons, and sterndrive powered runabouts. The design consists of high rake angles and thin blades resulting in the Q3 being the highest performing 3-blade propeller in the Quicksilver line-up.

Equipped with PVS - Performance Vent System

Flo-Torq II hub system not included

#### **QUICKSILVER Q3 PROPELLER**



48-8M0103516

16 x 11 RH SS 3 BL

48-8M0103517

15.6 x 13P RH SS 3 BL

48-8M0103518

15.3 x 14P RH SS 3 BL 48-8M0103519

15.0 x 15P RH SS 3 BL

48-8M0103520

14.7 x 16P RH SS 3 BL 48-8M0103521

14.5 x 17P RH SS 3 BL

48-8M0103522

14.2 x 18P RH SS 3 BL

48-8M0103523

14.0 x 19P RH SS 3 BL

48-8M0103524

13.8 x 20P RH SS 3 BL

48-8M0103525 13.6 x 21P RH SS 3 BL

#### **QUICKSILVER Q4 60 CT - 125 HP**

\*\*\*Now available for 60 CT - 115 HP outboards\*\*\*

The aggressive 4-blade Q4 generates exceptional lift resulting in a propeller that provides outstanding holeshot, unmatched midrange performance and superior handling, all while running at best-in-class types (Bass, Multi-Species, Fish and Ski, Center Console, Bay, Pontoon). top speeds. The new Q4 is the ideal match on a wide range of boat

Equipped with PVS - Performance Vent System

Flo-Torq II hub system not included

#### **Q4 PROPELLER**



48-8M0055559

14 X 13 SS RH 4BL

48-8M0055560 13.5 x 15 SS RH 4 BL

48-8M0055561

13.0 x 17 SS RH 4BL

48-8M0055562

12.7 x 19 SS RH 4BL 48-8M0055563

12.7 x 21 SS RH 4BL

# QUICKSILVER Q4 90 CT - 350 HP

The Q4 is an innovative propeller that provides outstanding holeshot, unmatched midrange performance, and superior holding on high horsepower walleye boats, center consoles, and sterndrive runabouts.

Available in Right and Left Hand

Equipped with PVS - Performance Vent System

Flo-Torq II hub system not included

Use hub kit 8M0101603 when installing a Q4 propeller on a Mercury Verado 350 hp.

#### **QUICKSILVER Q4 PROPELLER**



48-8M0103526
14.6 x 17P RH SS 4 BL
48-8M0103527
14.6 x 17P LH SS 4 BL
48-8M0103528
14.6 x 19P RH SS 4 BL
48-8M0103529
14.6 x 19P LH SS 4 BL
48-8M0103530
14.6 x 21P RH SS 4 BL
48-8M0103531
14.6 x 21P LH SS 4 BL
48-8M0103532
14.6 x 23P RH SS 4 BL
48-8M0103533
14.6 x 23P LH SS 4 BL

#### **SILVERADO**

General-purpose 3-blade stainless steel propeller Over five times more durable than an aluminum prop

#### SILVERADO 40 - 60 HP

Silverado for most 40 - 60 HP outboatrds

#### **SILVERADO**



QS5166X

10 1/2 X 13 RH SS 3 BL

QS5168X

10 3/8 X 14 RH SS 3 BL QS5170X

10 1/4 X 15 RH SS 3 BL

#### SILVERADO 40 CT - 125 HP

Silverado propeller for most 40 CT (Bigfoot) - 125 HP Outboards

#### **SILVERADO**



QS5114X

13 3/8 X 14 RH SS 3 BL

QS5116X

13 1/8 X 16 RH SS 3 BL

QS5118X

13 X 18 RH SS 3 BL

#### SILVERADO 90 CT - 350 HP

Silverado for most 90/115 CT, 135+ hp outboards and Sterndrives

#### **SILVERADO**



QS5050X

14 1/2 X 15 RH SS 3 BL

QS5052X

14 1/2 X 17 RH SS 3 BL

QS5054X

14 X 19 RH SS 3 BL

QS5056X

13 3/4 X 21 RH SS 3 BL

#### **THUNDERBOLT**

3-blade stainless performance propeller with more blade area for large boats with big V-6 outboards and V-8 sterndrives Outstanding on Bravo One and TRS sterndrives Good prop for sport/performance style boats as well as cruisers Equipped with PVS - Performance Vent System

Flo-Torq II hub system not included

#### **THUNDERBOLT**



QS5004X

15 1/2 X 17 RH SS 3 BL

QS5005X

15 1/2 X 17 LH SS 3 BL

QS5006X

15 1/4 X 19 RH SS 3 BL

QS5007X

15 1/4 X 19 LH SS 3 BL

QS5008X

14 3/4 X 21 RH SS 3 BL

#### QST 5

5-blade design is excellent for tow-sports. The design also provides superior handling and control, making this propeller an excellent choice for freshwater fishermen who need control in rough water. This propeller also makes an excellent choice for anglers who want to maintain low speeds while back trolling.

Equipped with PVS - Performance Vent System

Flo-Torq II hub system not included

#### **QST 5 PROPELLER**



QS1154X

13 1/2 x 17 RH SS 5 BL

QS5758X

13 1/3 x 19 RH SS 5 BL

QS5760X

13 1/3 x 21 RH SS 5 BL

#### **TORRENT**

The ultimate propeller for high power, high speed bass, walleye and bay boats.

Higher rake and more cup provides better handling and bow lift on big V-6 powered outboard powered boats.

Equipped with PVS - Performance Vent System

Flo-Torq II hub system not included

#### **TORRENT**



QS5862X

14.625 X 21 RH SS 3 BL

QS5864X

14.625 X 23 RH SS 3 BL

QS5866X

14.625 X 25 RH SS 3 BL



# **QUICKSILVER PROPELLER TYPE**

# **BLACK DIAMOND BII - BRAVO TWO**

General purpose 3-blade aluminum propeller Right and left-hand rotation 11-25" pitch

#### BLACK DIAMOND BRAVO TWO PROPELLER



48-8M0155030

18.75 X 17 RH Alum 3 BL

48-8M0155029

18.75 X 17 LH Alum 3 BL

48-8M0155028

19 25 X 15 RH Alum 3 BI

48-8M0155027 19.25 X 15 LH Alum 3 BL

48-8M0155026

19.5 X 13 RH Alum 3 BL

48-8M0155025

19.5 X 13 LH Alum 3 BL

48-8M0155024

20 X 11 RH Alum 3 BL

48-8M0155023 20 X 11 LH Alum 3 BL

#### **BLACK DIAMOND BRAVO TWO**

**QA1940R** 

18 1/4 x 19 RH AL 3 BL

QA1941R

18 1/4 x 19 LH AL 3 BL

QA1946R

17 3/4 x 21 RH AL 3 BL

QA1947R

17 3/4 x 21 LH AL 3 BL

QA1952R

17 1/2 x 23 RH AL 3 BL QA1953R

17 1/2 x 23 LH AL 3 BL

#### **BLACK DIAMOND BRAVO TWO PROPELLER**

48-8M0078092

17.25 X 25 RH Alum 3 BL

48-8M0078093

17.25 X 25 LH Alum 3 BL

# **QUICKSILVER BRAVO THREE**

Twin counter rotating stainless steel propellers Large diameter forward 4-blade propeller Small diameter aft 3-blade propeller Unbelievable handling and boat control Tough matte finish 19-28" pitch

#### QUICKSILVER BRAVO THREE



48-8M0123399

14.4 X 19 RH SS 3 BL - Rear

48-8M0123400

16 X 19 LH SS 4BL - Front

48-8M0123401

14.4 X 20 RH SS 3 BL - Rear

48-8M0123402

16 X 20 LH SS 4BL - Front

48-8M0123403

14.3 X 19 RH SS 3 BL - Rear

48-8M0123404

15.9 X 21 LH SS 4BL - Front

48-8M0123405

14.25 X 22.5 RH SS 3 BL - Rear 48-8M0123406

15.75 X 22.5 LH SS 4BL - Front

48-8M0123407 14.0 X 24 RH SS 3 BL - Rear

48-8M0123408

15.5 X 24 LH SS 4BL - Front

48-8M0123409

13.75 X 26 RH SS 3 BL - Rear

48-8M0123410

15.25 X 26 LH SS 4BL - Front

48-8M0123411

13.5 X 28 RH SS 3 BL - Rear

48-8M0123412

15 X 28 LH SS 4BL - Front

# **OEM - QUICKSILVER PROPELLER CROSS REFERENCE**

# EVINRUDE/JOHNSON/OPMC PROP CROSS REFERENCE

**Evinrude/Johnson/OMC Prop Cross Reference** 

OEM	QUICKSILVER
174813	
174816	QS5058X
174817	QA3170R
174926	QS5050X
174950	QA3168R
175190	QA3114R
175191	QA3118R
176214	NLA
176215	NLA
176216	NLA
176421	
176422	
176423	
176571	
176572	
176573	
176574	
176615	QS5052X
176616	
176617	QS5054X
176618	
176619	QS5056X
176620	
176623	
176624	
176625	
176626	QS5052X
176627	QS5054X
176628	QS5056X
176629	
176630	
176902	
176969	QS5052X
176970	QS5054X
176973	
176974	
177034	
177035	
177036	
177042	
380637	NLA
382761	NLA
383629	QA3150R
384460	NLA
386786	
386841	
386907	

OEM	QUICKSILVER
386908	
386909	
387334	QA3178R
388088	QA3152R
388883	
389019	QS5058X
389510	
389512	
389788	NLA
389923	QS5056X
389924	QS5054X
389944	NLA
389948	
389949	
390237	
390380	
390821	
390822	
390823	
390896	NLA
391198	NLA
391199	NLA
391200	QA1912X
391201	QA1916X
391202	QA1918X
391203	QA1920X
391290	Q\$5052X
391535	QA2008X
391536	QA2004X
391668	NLA
394752	
394753	
394754	
394755	
394759	
394760	
394761	NLA
398502	
398503	
398504	NLA
431390	
3850298	QA2004X
3850299	QA2008X
3850300	QA1912X
3850301	QA1916X
3850302	
	QA1918X
3850303	QA1920X
3850305	QS5050X
3850307	QS5052X
3850308	QS5054X
3850309	QS5056X
3850310	QS5058X

OEM	QUICKSILVER
3850311	QS5052X
3850312	QS5054X
3850313	QS5056X
3850314	QS5058X
3850316	
3850317	
3850318	
3850319	
3850320	
3850321	
3850322	
3850323	
3855142	
3855144	
3855146	
3855152	
3855154	
3855156	NLA
3858026	QS5052X
3858027	QS5054X
3858028	QS5056X
3858029	
3858030	
3858031	
5031619	QA2078X
5031620	NLA
5031623	NLA
5031627	

# FORCE PROPELLER CROSS REFERENCE

#### **Force Prop Cross Reference**

OEM	QUICKSILVER
16986A45	QS5116X
48-16986A46	QS5116X
48-16988A45	QS5118X
48-16988A46	QS5118X
48-16990A45	
48-16990A46	
48-16992A45	
48-16992A46	
48-16994A45	
48-16994A46	
48-16996A45	
48-16996A46	
48-17314A45	QS5114X
48-17314A46	QS5114X
48-19638A40	NLA
48-19640A40	QA2106R
48-19642A40	NLA
48-19644A5	
48-42738A11	QA2060X
48-42740A11	NLA
48-73132A40	QA2064X

OEM	QUICKSILVER
48-73134A40	QA2074X
48-73136A40	QA2078X
48-73138A40	QA2082X
48-73140A40	QA2084X
48-73144A40	NLA
48-77338A40	QA2030X
48-77338A45	QA2030X
48-77340A40	QA2032X
48-77340A45	QA2032X
48-77342A40	QA2034X
48-77342A45	QA2034X
48-77344A40	QA2036X
48-77344A45	QA2036X
48-77346A40	QA2038X
48-77346A45	QA2038X
48-77348A40	QA2040X
48-77348A45	QA2040X
48-77350A40	QA2042X
48-77350A45	QA2042X
48-816702A40	QA2072X
48-816704A40	QA2076X
48-816706A40	QA2080X
48-827312A11	NLA
48-828148A12	
48-828150A12	NLA
48-828152A12	QA2124R
48-828154A12	QA2126R
48-828156A12	QA2128R
48-828158A12	QA2130R
48-854340A45	QA2026X
48-854342A45	QA2028X
48-855856A5	
48-855858A5	QS5166X
48-855860A5	QS5168X
48-855862A5	QS5170X
48-85632A40	QA2070X
48-87818A11	QA2062X

# HONDA PROPELLER CROSS REFERENCE

#### **Honda Prop Cross Reference**

OEM	QUICKSILVER
08M60-ZW7-A00	QS5116X
08M60-ZW7-A10	QS5118X
58110-ZV5-E00	QS5170X
58110-ZV5-E10	QS5168X
58110-ZV5-E20	QS5166X
58110-ZV5-E30	
58120-ZW1-V01	QS5118X
58130-ZV4-008AH	NLA
58130-ZV4-009AH	QA3906R
58130-ZV4-010AH	QA3914R
58130-ZV4-030ZA	QA3914R

OEM	QUICKSILVER
58130-ZV4-701ZA	QA3906R
58130-ZV5-000ZA	QA2074X
58130-ZV5-009AH	QA2062X
58130-ZV5-011AH	NLA
58130-ZV5-012AH	QA2072X
58130-ZV5-012AH	QA2078X
58130-ZV5-013AH	QA2076X
58130-ZV5-013AH	QA2082X
58130-ZV5-014AH	QA2080X
58130-ZV5-015AH	QA2084X
58130-ZV5-015AH	NLA
58130-ZV5-850ZA	QA2070X
58130-ZV5-860ZA	NLA
58130-ZV5-870ZA	QA2084X
58130-ZW1-V11	
58130-ZW1-V31	
58130-ZW1-W01ZA	QA2030X
58130-ZW1-W11ZA	QA2032X
58130-ZW1-W21ZA	QA2034X
58130-ZW1-W31ZA	QA2036X
58130-ZW1-W41ZA	QA2040X
58130-ZW1-W51ZA	QA2042X
58130-ZW1-W61ZA	QA2038X
58130-ZW1-W91	QS5116X
58133-ZV7-012AH	
58133-ZV7-013AH	QS5166X
58133-ZW1-A13AH	QS5114X
58133-ZW1-A15AH	QS5116X
58133-ZW1-A17AH	QS5118X

# MERCURY/MARINER/MERCRUISER PROP CROSS REFERENCE

#### Mercury/Mariner/MerCruiser Prop Cross Reference

OEM	QUICKSILVER
8M0055547	48- <b>8M0055559</b>
8M0055548	48- <b>8M0055560</b>
8M0055549	48- <b>8M0055561</b>
8M0055550	48- <b>8M0055562</b>
8M0055551	48- <b>8M0055563</b>
8M0084491	48- <b>8M0055531</b>
8M0084493	48- <b>8M0055533</b>
8M0084494	48- <b>8M0055534</b>
8M0084495	48- <b>8M0055535</b>
8M0084496	48- <b>8M0055536</b>
8M0084497	48- <b>8M0055537</b>
8M0070079	48- <b>8M0103516</b>
8M0070074	48- <b>8M0103517</b>
48-898988A46	48- <b>8M0103518</b>
48-898990A46	48- <b>8M0103519</b>
48-898992A46	48- <b>8M0103520</b>
48-898994A46	48- <b>8M0103521</b>
48-898996A46	48- <b>8M0103522</b>
48-898998A46	48- <b>8M0103523</b>

OEM	QUICKSILVER
48-899900A46	48-8M0103524
48-899902A46	48-8M0103525
48-857024A46	48-8M0103526
48-857025A46	48-8M0103527
48-857026A46	48-8M0103528
48-857027A46	48-8M0103529
48-857028A46	48-8M0103530
48-857029A46	48-8M0103531
48-857030A46	48-8M0103532
48-857031A46	48-8M0103533
48-11324A40	QA2014X
48-11324A45	QA2014X
48-13700A41	QS5006X
48-13700A45	QS5006X
48-13700A46	QS5006X
48-13701A41	QS5007X
48-13701A45	QS5007X
48-13701A46	QS5007X
48-13702A41	QS5008X
48-13702A45	QS5008X
48-13702A46	QS5008X
48-13703A41	
48-13703A45	
48-13703A46	
48-13704A41	NLA
48-13704A45	NLA
48-13704A46	NLA
48-13705A41	
48-13705A45	
48-13705A46	
48-16312A4	QS5050X
48-16312A45	QS5050X
48-16312A46	QS5050X
48-16314A4	QS5052X
48-16314A45	QS5052X
48-16314A46	QS5052X
48-16315A4	
48-16315A45	
48-16315A46	
48-16316A4	QS5054X
48-16316A45	QS5054X
48-16316A46	QS5054X
48-16317A4	40000.7
48-16317A45	
4/-16317A46	
48-16318A4	QS5056X
48-16318A45	QS5056X
48-16318A46	QS5056X
48-16319A4	
48-16319A45	
48-16319A46	
48-16320A4	QS5058X
48-16320A45	QS5058X
48-16320A46	QS5058X
10 .5020/110	400000



\$46.16321A45  \$48.16321A46  \$48.16322A4  \$48.16322A4  \$48.16322A4  \$48.16338A0  \$48.16338A0  \$48.16438A45  \$48.16438A45  \$48.16438A45  \$48.16438A45  \$48.16440A40  \$48.16440A5  \$48.16440A5  \$48.16440A5  \$48.16440A5  \$48.16543A41  \$48.16543A46  \$48.16543A46  \$48.16543A46  \$48.16545A41  \$48.16545A41  \$48.16546A45  \$48.16546A46  \$48.16546A4	OEM	QUICKSILVER
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48-16545A45 48-16545A46 48-16546A41 48-16546A45 48-16546A46 48-16547A41 48-16547A45 48-16547A45 48-16548A41 48-16548A45 48-16548A45 48-16548A46 48-16548A46 48-16549A41 NLA 48-16549A46 NLA 48-16550A46 48-16590A46 48-16980A45 QS5116X 48-16980A45 48-16990A45 48-16990A46 48-16950A46 48-17314A46 QS5114X 48-18278A41 QS5004X 48-18278A41 QS5004X 48-18278A46 QS5004X 48-19630A40 QA2106R 48-19640A40 QA2106R		
48-16545A46 48-16546A41 48-16546A45 48-16546A46 48-16547A41 48-16547A45 48-16547A46 48-16548A41 48-16548A45 48-16548A46 48-16549A41		
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48-16546A45 48-16546A46 48-16547A41 48-16547A45 48-16547A46 48-16547A46 48-16548A41 48-16548A45 48-16548A46 48-16549A41	48-16545A46	
48-16546A46 48-16547A41 48-16547A45 48-16547A46 48-16548A41 48-16548A45 48-16548A46 48-16549A41 NLA 48-16549A46 NLA 48-16549A46 48-16580A46 48-16986A45 QS5116X 48-16988A45 QS5116X 48-16988A45 QS5118X 48-16980A46 48-16990A45 48-16990A45 48-16990A46 48-1690A40 QS5004X 48-18278A46 QS5004X 48-1963BA40 NLA 48-19640A40 QA2106R	48-16546A41	
48-16547A41 48-16547A45 48-16547A46 48-16548A41 48-16548A45 48-16548A46 48-16549A41 NLA 48-16549A45 NLA 48-16549A46 NLA 48-16550A46 48-16986A45 QS5116X 48-16988A45 QS5118X 48-16988A46 QS5118X 48-16990A45 48-16990A45 48-16990A46 48-16992A46 48-16994A46 48-16996A46 48-16996A46 48-16996A46 48-16994A46 48-16996A46 A8-16996A46 A8-16986A40 AR-16968A40 AR-1668A40 AR-1668A	48-16546A45	
48-16547A45 48-16548A41 48-16548A45 48-16548A46 48-16549A41 A8-16549A45 A8-16549A45 A8-16550A46 A8-16550A46 A8-16586A45 A8-1698A45 A8-1698A46 A8-1699A45 A8-1699A45 A8-1699A45 A8-1699A45 A8-1699A45 A8-1699A45 A8-1699A45 A8-1699A46 A8-1699A45 A8-1699A45 A8-1699A46 A8-1699A45 A8-1699A46 A8-1698A46 A8-1699A46 A8-1698A46 A8-17314A46 A8-18278A41 A8-18278A41 A8-18278A46 A8-18278A46 A8-18278A46 A8-1963BA40 AR-1964DA40	48-16546A46	
48-16547A46 48-16548A41 48-16548A45 48-16548A46 48-16549A41	48-16547A41	
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48-16548A45 48-16548A46 48-16549A41 NLA 48-16549A45 NLA 48-16549A46 NLA 48-16550A46 48-16986A45 QS5116X 48-16988A46 QS5118X 48-16988A46 QS5118X 48-16990A45 48-16990A45 48-16992A46 48-16992A46 48-16994A45 48-16996A46 48-16996A46 48-16996A46 48-16996A46 48-17314A46 QS5114X 48-18278A41 QS504X 48-18278A46 QS504X 48-19638A40 NLA 48-19638A40 NLA	48-16547A46	
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48-16549A41 NLA 48-16549A45 NLA 48-16549A46 NLA 48-16550A46 48-16986A45 QS5116X 48-16988A46 QS5118X 48-16988A46 QS5118X 48-16990A45 48-16990A45 48-16992A46 48-16992A46 48-16994A46 48-16996A46 48-16996A46 48-16996A46 48-16996A46 48-16996A46 48-17314A45 QS5114X 48-18278A41 QS504X 48-18278A46 QS504X 48-18278A46 QS504X 48-19638A40 NLA 48-19640A40 QA2106R	48-16548A45	
48-16549A45 NLA 48-16549A46 NLA 48-16550A46 48-16986A45 QS5116X 48-16988A46 QS5118X 48-16988A46 QS5118X 48-16998A46 QS5118X 48-16990A45 48-16990A46 48-16992A45 48-16994A45 48-16994A45 48-16994A45 48-16996A46 48-16996A46 48-16996A46 48-17314A45 QS5114X 48-17314A46 QS5114X 48-18278A41 QS5004X 48-18278A46 QS5004X 48-19638A40 NLA 48-19638A40 NLA	48-16548A46	
48-16549A46 48-16550A46 48-16986A45 QS5116X 48-16988A46 QS5118X 48-16988A46 QS5118X 48-16990A45 48-16990A46 48-16992A45 48-16992A46 48-16994A45 48-16994A46 48-16996A46 48-16996A46 48-17314A45 QS5114X 48-17314A46 QS5114X 48-18278A41 QS5004X 48-18278A46 QS5004X 48-19638A40 NLA 48-19638A40 NLA	48-16549A41	NLA
48-16550A46 48-16986A45 QS5116X 48-16986A46 QS5116X 48-16988A46 QS5118X 48-16990A45 48-16990A46 48-16992A45 48-16994A46 48-16994A46 48-16996A45 48-16996A46 48-17314A45 QS5114X 48-17314A46 QS5114X 48-18278A41 QS5004X 48-18278A46 QS5004X 48-19638A40 NLA 48-19640A40 QA2106R	48-16549A45	NLA
48-16986A45 QS5116X 48-16986A46 QS5116X 48-16988A45 QS5118X 48-16998A46 QS5118X 48-16990A45 48-16990A46 48-16992A45 48-16994A45 48-16994A46 48-16996A46 48-16996A46 48-17314A45 QS5114X 48-17314A46 QS5114X 48-18278A41 QS5004X 48-18278A46 QS5004X 48-19638A40 NLA 48-19640A40 QA2106R 48-19642A40 NLA	48-16549A46	NLA
48-16986A46 QS5116X 48-16988A45 QS5118X 48-16988A46 QS5118X 48-16990A45 48-16990A46 48-16992A46 48-16994A45 48-16994A46 48-16996A45 48-16996A46 48-17314A45 QS5114X 48-17314A46 QS5114X 48-18278A41 QS5004X 48-18278A46 QS5004X 48-18278A46 QS5004X 48-19638A40 NLA 48-19640A40 QA2106R 48-19642A40 NLA	48-16550A46	
48-16988A45 QS5118X  48-16998A46 QS5118X  48-16990A45  48-16990A46  48-16992A45  48-16994A45  48-16994A45  48-16996A45  48-16996A46  48-16996A46  48-17314A45 QS5114X  48-17314A46 QS5114X  48-18278A41 QS5004X  48-18278A45 QS5004X  48-18278A46 QS5004X  48-18278A46 QS5004X  48-19638A40 NLA  48-19640A40 QA2106R  48-19642A40 NLA	48-16986A45	QS5116X
48-16988A46 QS5118X  48-16990A45  48-16990A46  48-16992A45  48-16994A45  48-16994A46  48-16996A46  48-16996A46  48-17314A45 QS5114X  48-17314A46 QS5114X  48-18278A41 QS5004X  48-18278A45 QS5004X  48-18278A46 QS5004X  48-19638A40 NLA  48-19640A40 QA2106R  48-19642A40 NLA	48-16986A46	QS5116X
48-16990A45 48-16990A46 48-16992A45 48-16992A46 48-16994A45 48-16994A46 48-16996A45 48-16996A46 48-17314A45 QS5114X 48-17314A46 QS5114X 48-18278A41 QS5004X 48-18278A45 QS5004X 48-18278A46 QS5004X 48-18278A46 QS5004X 48-19638A40 NLA 48-19640A40 QA2106R 48-19642A40 NLA	48-16988A45	QS5118X
48-16990A46 48-16992A45 48-16992A46 48-16994A45 48-16994A46 48-16996A45 48-16996A46 48-17314A45 QS5114X 48-17314A46 QS5114X 48-18278A41 QS5004X 48-18278A45 QS5004X 48-18278A46 QS5004X 48-18278A46 QS5004X 48-19640A40 NLA 48-19640A40 QA2106R 48-19642A40 NLA	48-16988A46	QS5118X
48-16992A45  48-16992A46  48-16994A45  48-16994A46  48-16996A45  48-16996A46  48-17314A45  QS5114X  48-17314A46  QS5114X  48-18278A41  QS5004X  48-18278A45  QS5004X  48-18278A46  QS5004X  48-19638A40  NLA  48-19640A40  QA2106R  48-19642A40  NLA	48-16990A45	
48-16992A46 48-16994A45 48-16994A46 48-16996A45 48-16996A46 48-17314A45 QS5114X 48-17314A46 QS5114X 48-18278A41 QS5004X 48-18278A45 QS5004X 48-18278A46 QS5004X 48-19638A40 NLA 48-19640A40 QA2106R 48-19642A40 NLA	48-16990A46	
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48-16996A46         48-17314A45       QS5114X         48-17314A46       QS5114X         48-18278A41       QS5004X         48-18278A45       QS5004X         48-18278A46       QS5004X         48-19638A40       NLA         48-19640A40       QA2106R         48-19642A40       NLA	48-16994A46	
48-17314A45     QS5114X       48-17314A46     QS5114X       48-18278A41     QS5004X       48-18278A45     QS5004X       48-18278A46     QS5004X       48-19638A40     NLA       48-19640A40     QA2106R       48-19642A40     NLA	48-16996A45	
48-17314A46     QS5114X       48-18278A41     QS5004X       48-18278A45     QS5004X       48-18278A46     QS5004X       48-19638A40     NLA       48-19640A40     QA2106R       48-19642A40     NLA	48-16996A46	
48-18278A41 QS5004X 48-18278A45 QS5004X 48-18278A46 QS5004X 48-19638A40 NLA 48-19640A40 QA2106R 48-19642A40 NLA	48-17314A45	QS5114X
48-18278A45 QS5004X 48-18278A46 QS5004X 48-19638A40 NLA 48-19640A40 QA2106R 48-19642A40 NLA	48-17314A46	QS5114X
48-19638A40 QS5004X 48-19638A40 NLA 48-19640A40 QA2106R 48-19642A40 NLA	48-18278A41	QS5004X
48-19638A40 NLA QA2106R 48-19642A40 NLA	48-18278A45	QS5004X
48-19640A40 QA2106R 48-19642A40 NLA	48-18278A46	QS5004X
48-19642A40 NLA	48-19638A40	NLA
	48-19640A40	QA2106R
48-19644A5	48-19642A40	NLA
	48-19644A5	

OEM	QUICKSILVER
48-48120A45	QA1916X
48-78122A4	QA1918X
48-78122A45	QA1918X
48-78124A4	QA1920X
48-78124A40	QA1920X
48-78124A45	QA1920X
48-78126A4	NLA
48-78126A40	NLA
48-78126A45	NLA
48-79570A4	QA2006X
48-79572A4	QA2010X
48-79574A4	QA2014X
48-79576A4	QA1918X
48-79578A4	QA1920X
48-81649M	QA3808R
48-816702A40	QA2072X
48-816704A40	QA2076X
48-816706A40	QA2080X
48-827312A11	NLA
48-82764	QA3178R
48-828148A12	
48-828150A12	NLA
48-828152A12	QA2124R
48-828154A12	QA2126R
48-828156A12	QA2128R
48-828158A12	QA2130R
48-82826M	
48-832828A45	QA1912X
48-832830A45	QA1916X
48-832832A45	QA1918X
48-832834A45	QA1920X
48-834850A45	
48-834851A45	
48-834852A45	
48-834853A45	
48-834854A45	
48-834855A45	
48-84976M	QA3810R
48-854340A45	QA2026X
48-854342A45	QA2028X
48-855856A5	
48-855858A5	QS5166X
48-855860A5	QS5168X
48-855862A5	QS5170X
48-85632A40	QA2070X
48-87818A11	QA2062X
48-90159A41	QS5005X
48-90159A45	QS5005X
48-90159A46	QS5005X
48-96623M	QA3152R
48-96625M	QA3150R

# SUZUKI PROPELLER CROSS REFERENCE

#### Suzuki Prop Cross Reference

OEM	QUICKSILVER
58100-93733-019	
58100-93743-019	NLA
58100-93773-09	
58100-94313-019	QA2078X
58100-95222-019	NLA
58100-95353-019	NLA
58100-95363-019	
58100-95382-019	NLA
58100-95500-019	QA2208X
58100-95511-019	QA2206X
58100-95521-019	NLA
58100-95530-019	NLA
58100-96370-019	NLA
58100-96420-019	
58100-96430-019	NLA
58100-96440-019	NLA
58100-96480-019	NLA
58100-96490-019	NLA
99105-00100-16P	
99105-00100-18P	
99105-00100-22P	
99105-00101-20P	
99105-00101-24P	NLA
99105-00200-16P	QS5050X
99105-00200-18P	QS5052X
99105-00200-20P	
99105-00200-22P	
99105-00200-24P	
99105-00200-26P	
99105-00203-23P	NLA
99105-0020L-18P	
99105-0020L-20P	
99105-0020L-22P	
99105-0020L-24P	
99105-0020L-26P	NLA
99105-00301-24P	NLA

# TOHATSU/NISSAN PROPELLER CROSS **REFERENCE**

#### Tohatsu/Nissan Prop Cross Reference

OEM	QUICKSILVER
35364-1040M	
35364-1050M	
35364-1060M	
35364-1090M	
3B764-5230M	QA2026X
3B764-5270M	QA2030X
3B764-5320M	QA2032X

OEM	QUICKSILVER
3B764-5360M	QA2034X
3B764-5410M	QA2036X
3B764-5451M	QA2038X
3B764-5490M	QA2040X

DM	QA2040X	854998-2	
IM	QA2038X	854997-4	
DM	QA2036X	854993-3	NLA

854983-4

# **VOLVO PROPELLER CROSS REFERENCE**

#### **Volvo Prop Cross Reference**

OEM	QUICKSILVER
3858026	QS5052X
3858029	
3858030	
3858031	
3850298-5	QA2004X
3850299-3	QA2008X
3850300-9	QA1912X
3850301-7	QA1916X
3850302-5	QA1918X
3850303-5	QA1920X
3850305-8	QS5050X
3850307-7	QS5052X
3850308-2	QS5054X
3850309-0	QS5056X
3850310-8	QS5058X
3850311-6	QS5052X
3850312-4	QS5054X
3850313-2	QS5056X
3850314-0	QS5058X
3850316-5	
3850317-3	
3850318-1	
3850319-9	
3850320-7	
3850321-5	
3850322-3	
3850323-1	
3855142-0	
3855144-6	
3855146-1	
3855152-9	
3855154-5	
3855156-0	NLA
3858027-0	QS5054X
3858028-8	QS5056X
814612-8	NLA
814616-9	NLA
814627-6	NLA
814628-4	NLA
814629-2	NLA
814633-4	NLA
814634-2	NLA
851139-6	
854979-2	
854982-6	

854993-3	NLA
854997-4	
854998-2	

QUICKSILVER

# YAMAHA PROPELLER CROSS REFERENCE

#### Yamaha Prop Cross Reference

Tumuna i Top Oross Reference	
OEM	QUICKSILVER
651-45947-00-36	QA3150R
653-45941-01-36	QA3152R
663-45930-00-98	QS5168X
663-45947-02-EL	QA2070X
663-45949-01-EL	NLA
663-45956-01-EL	QA2062X
663-45958-01-EL	QA2082X
663-45970-60-98	
663-45974-30-98	QS5168X
663-45974-60-98	QS5166X
663-45976-00-98	QS5170X
663-45976-30-98	QS5170X
664-45945-00-EL	QA3808R
664-45947-01-EL	QA3810R
664-45949-02-EL	
664-45954-00-EL	
683-45943-00-EL	QA3914R
683-45945-00-EL	QA3906R
683-45947-00-EL	NLA
688-45930-02-98	QS5118X
688-45932-60-98	QS5114X
688-45970-03-98	
688-45972-02-98	
688-45974-02-98	
688-45976-01-98	
688-45978-60-98	QS5116X
6E5-45941-00-EL	QA2038X
6E5-45943-00-EL	QA2040X
6E5-45945-01-EL	QA2036X
6E5-45947-00-EL	QA2034X
6E5-45949-00-EL	QA2032X
6E5-45952-00-EL	QA2042X
6E5-45954-00-EL	QA2030X
6G5-45941-00-98	QA2008X
6G5-45943-01-98	QA1918X
6G5-45945-01-98	QA1916X
6G5-45947-01-98	QA1912X
6G5-45949-00-98	QA1920X
6G5-45952-00-98	QA2010X
6G5-45970-02-98	QS5050X
6G5-45972-02-98	QS5056X
6G5-45974-03-98	QS5054X
6G5-45976-01-98	QS5058X
6G5-45978-03-98	QS5052X
6H5-45943-00-EL	QA2078X

OEM	QUICKSILVER
6H5-45945-00-EL	QA2070X
6H5-45952-00-EL	QA2064X
6H5-45958-00-EL	QA2074X
6K1-45972-01-98	
6K1-45974-02-98	
6K1-45976-00-98	
6K1-45978-02-98	
6R1-45970-A0-00	QS5007X
6R1-45972-A0-00	
6R1-45974-A0-00	
6R1-45978-A0-00	QS5005X
6R4-45970-A0-00	QS5006X
6R4-45972-A0-00	QS5008X
6R4-45974-A0-00	
6R4-45978-A0-00	QS5004X
MAR-GYT3B-L6-18	
MAR-GYT3B-L6-20	
MAR-GYT3B-L6-22	
MAR-GYT3B-V6-18	
MAR-GYT3B-V6-20	
MAR-GYT3B-V6-22	
MAR-GYT3B-V6-24	

# MERCURY ELECTRIC MOTORS

#### Thruster Gear Drive #577

Nut 79719 - NLA Pin 17-70733 Retainer 79719 - NLA

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
18024A 4	10-1/2	6	PL BL	2	RH
18430A 4	10-1/2	6	PL CL	2	RH
72426	10-1/2	6	PL	2	RH
77970	10-1/2	6	PL	2	RH
85644	10-1/2	6	PL	2	RH
85646	10-1/2	6	PL	2	RH
87842A 2	10-1/2	6	PL	2	RH
87844A 2	10-1/2	6	PL	2	RH
N.L.A.	10	6	PL	2	RH

#### **Thruster Direct Drive**

Nut 79719 - NLA Washer 26-72462 Pin 17-70733

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
17530A	9	3.2	PL BL	2	RH
18530A	9-1/4	3.2	PL CL	2	RH
N.L.A.	9-1/4	3-1/4	PL BL	2	RH
	9-1/4	3-1/4	PL CL	2	RH
18512A	9-1/4	3-1/4	PL CL	2	RH

#### Thruster R33, RX33, T33, R45, FL45, RX45, T45

Nut 818911-2 Washer 23-35935 Pin 17-70733

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
813728A 3	11	5	PL BL	2	RH
	11	5	PL CL	2	RH

#### Thruster (MotorGuide Built)

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
824236T	9-1/2	2-5/8	PL CL	2	RH
48-MAF12406T	10	3-1/2	PL CL	2	RH

# **MERCURY OUTBOARD**

#### Merc 2.5/3.3 A856377 and Up

Shear Pin 17-815111 (ALProp), 17-815111--1 (PL Prop) Cotter Pin 18-95295

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
48-815083A01	7-3/8	6	PL	3	RH
48-815083A02	7-3/8	7	PL	3	RH
48-815084A01	7-3/8	7	AL	3	RH
48-815084A02	7-3/8	7	AL w/rubber hub	3	RH

#### Merc 3.5 & 3.6

Thrust Hub (Fwd) 70588 Thrust Hub (Rear) 93356 - NLA Nut 11-826709 11

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
93357A	8	7	PL	3		N.L.A.

#### MERC 39 & 60 (1967 and OLDER - 6 SPLINE HUB)

N.L.A. = 48-34398A 1

N.L.A. = 48-34398A 1Collar 23-33582 -N.L.A. Washer 12-30524 -N.L.A. Washer 12-20084 Nut 11-826709 11

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
30382A 1	8	8	AL	2	RH	N.L.A.
31105A 1	7-7/8	8	AL	2	RH	N.L.A.
31214A 1	8-1/4	6	AL	2	RH	N.L.A.
45890A 1	8-7/8	5	AL	3	RH	N.L.A.
37320A 1	9	4	AL	2	RH	N.L.A.

#### Merc 39/60(1968 and UP-8 SPLINE HUB)-Merc 40(1CYL)

NLA = 48-47920A1, 48-47938A1

Thrust Hub 86665A1 Spacer 11-64075A1 Washer 12-27025 Nut 11-34933

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS	
47940A 1	8-1/4	6	AL	2		N.L.A.	
47944A 1	8-7/8	5	AL	3		N.L.A.	

#### MERC 40 (2 CYL.)

PART	NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
70453/	A 1	8	7	PL	3	LH	N.L.A.
86903/	A 1	8 (7.9)	6-3/8 (6.3)	PL	3	LH	N.L.A.

#### MERC 45 & 4.5

NLA = 48-65010A1, 48-65012A1

Collar 86665A1 Spacer 23-65439 Nut 11-89013 - NLA

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
77716A 1	8-1/4	7	AL	2	RH	N.L.A.
77716A10	8-1/4	7	AL	2	RH	N.L.A.
63494A 1	8-1/4	6	AL	2	RH	N.L.A.
63494A10	8-1/4	6	AL	2	RH	N.L.A.
94118A 1	8-1/2	5	AL	3	RH	N.L.A.
94118A10	8-1/2	5	AL	3	RH	N.L.A.

#### MERC 4/5 A809601 and UP

Thrust Hub 16145Q01 Washer 12-16146 Nut 11-16147

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
16143	8-3/8	8	AL	3	RH
16142	8-3/8	7	AL	3	RH
	8-3/8	6	AL	3	RH
16836A 1	8-3/8	6	AL - HIGH REVERSE	3	RH
48- <b>812949A02</b>	7-7/8	7	AL	3	RH

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
48-812950A02	7-7/8	8	AL	3	RH
48-812951A02	7-7/8	6	HIGH REVERSE	3	RH

#### **MARK 6 & 6A**

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
23919A 1						N.L.A.
25774						N.L.A.

#### Mercury 75 (7.5HP) and 110 (9.8HP)

Mercury 75 (7.5HP) and 110(9.8) 1968-1984

8 Spline

1968 thru 1978 - Thrust Hub 86665A1 Spacer 11-64075A1 Nut 11-46335 Washer 12-27025

1972 thru 1978 - Nut 11-64075A1

Length	Current MPH	Propeller Size	Material	Blades	Style	Quicksilver P/N	OEM P/N
To 15'	Up to 20	9 X 9 RH	AL	2	Black Diamond		

#### MERC 110 (1967 and OLDER - 6 SPLINE HUB)

NLA = 48-34400A1, 37318A1

Collar 12-31980A2 Washer 12-30524 - NLA Washer 12-20084 Nut 11-826709\_\_11

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
31504A 1	9	10	AL	2	RH	N.L.A.
32364A 1	9	9	AL	2	RH	N.L.A.

#### **MARK 10 & MERC 100**

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
26608A 1						N.L.A.

#### MERC 6/8/9.9/9.9 4-STROKE/15 A197112 and UP

Forward Thrust Hub - Design I Propeller Shaft (Full length spines on propeller shaft) 821932 Thrust Hub for New Propellers, 42037 Thrust Hub for Old Propellers; Design II Propeller Shaft (Half length splines on propeller shaft) 821932--1 Thrust Hub for N

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
42522A	9	9	AL	3	RH
42520A	9-1/4	7	AL	3	RH
42524A	9-3/4	6-1/2	AL - HIGH REVERSE	3	RH
42518A	9-3/4	5-1/2	AL WORKBOAT	3	RH
17874A12	9	10-1/2	AL	3	RH

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
48-828158A12	9	10-1/2	AL	3	RH
48-828156A12	9	9	AL	3	RH
48- <b>828154A12</b>	9	8	AL	3	RH
48-828152A12	9-1/4	7	AL	3	RH
48-828150A12	9-3/4	6-1/2	AL	3	RH
48-828150A12	9-3/4	5-1/2	AL	3	RH

#### MARK 15-20-25-30

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS	
20325A 1						N.L.A.	
23647A 1						N.L.A.	
25518A 1						N.L.A.	
25551A 1						N.L.A.	
25662A 1						N.L.A.	
25419A 2						N.L.A.	

#### OLD MARK 15A & MERC 150 (15Hp)

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS OR SUPERSESSION
27787A 1						N.L.A.
28880A 1						N.L.A.

#### MERC 18 & 25 (Standard Propellers)

Thrust Hub 858498 Nut 11-88228

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
43590A40	10-1/4	14-1/2C	AL	3	RH
89854A 4	10-1/4	14-1/2C	AL	3	RH
19642A40	10-3/8	14-1/2C	AL	3	RH
43586A40	10-3/8	13C	AL	3	RH
86848A 4	10-3/8	13C	AL	3	RH
19640A40	10-3/8	13C	AL	3	RH
43588A 5	10-3/8	13C	SS	3	RH
90780A 4	10-3/8	13C	SS	3	RH
19644A 5	10-3/8	13C	SS	3	RH
43584A40	10-3/8	11C	AL	3	RH
89852A 4	10-3/8	11C	AL	3	RH

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
19638A40	10-3/8	11C	AL	3	RH
43582A10	10-3/8	9-1/2	AL	3	RH
89850A 1	10-3/8	9-1/2	AL	3	RH
19636A10	10-3/8	9-1/2	AL	3	RH

# MERC 18 & 25 (Chopper Propellers)

Thrust Hub 858498 Nut 11-88228

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION
92764A 4	10-3/8	18C	SS	3	RH
92764A 5	10-3/8	18C	SS	3	RH
43592A61	10-3/8	18C	SS	3	RH

#### Mercury 200 (20HP)

MERC 200 (20Hp) 1963-1979

8 Tooth Spline

Thrust Hub 23-85964A1, Spacer 23-85964A1, Nut 11-64075A1

Length	Current MPH	Propeller Size	Material	Blades	Style	Quicksilver P/N	OEM P/N	Hub System
To 14'	18-22	9-7/8 X 11 RH	AL	2	Black Diamond	N.L.A.	N.L.A.	Rubber Bushing
14-16	up to 20	10 X 9 RH	AL	3	Black Diamond	N.L.A.	N.L.A.	Rubber Bushing

#### MARK 28/28A & MERC 200/250 AUTO. TRANS.

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
28036A 1						N.L.A.
28037A 1						N.L.A.
28038A 1						N.L.A.

#### **MARK 50 & 55 (14 SPLINE HUB)**

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
22105A 1						N.L.A.
22575A 1						N.L.A.
22636A 1						N.L.A.
22814A 1						N.L.A.
22914A 1						N.L.A.
23586A 1						N.L.A.
23587A 1						N.L.A.
26666A 1						N.L.A.
27028A 1						N.L.A.

#### MARK 35A/55/55A/58/58A & MERC 300/350/400/500

(11 SPLINE HUB, NON-THRU HUB EXHAUST)

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
22105A 2						N.L.A.
22575A 2						N.L.A.
22636A 2						N.L.A.
22814A 2						N.L.A.
22914A 2						N.L.A.
23586A 2						N.L.A.
23587A 2						N.L.A.
25773A 2						N.L.A.
26666A 2						N.L.A.

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS
27028A 2						N.L.A.
28765A 2						N.L.A.
29296A 2						N.L.A.
29958A 2						N.L.A.
29986A 2						N.L.A.

#### MERC 350/450/500/500SS

(11 SPLINE HUB, THRU HUB EXHAUST)

Thrust Hub 38859A1 Washer 12-32007 Nut 11-69578Q1

DIAMETER	MATERIAL	BLADES	Style	Quicksilver P/N	OEM P/N
10-3/4 X 10 RH	AL	3	Black Diamond	N.L.A.	N.L.A.

#### Merc 400/402/500/Merc 650/700 (3 Cyl)/Merc 35-70

Merc 35-70 (13 Spline Hub)

NLA = 48-56228A1, 48-56228A4, 48-56230A1, 48-56230A4, 48-56250A1, 48-56250A4, 48-63452A1, 48-63452A1, 48-63452A4, 48-64726A1, 48-64726A4, 48-63538A4, 48-56232A4, 48-5625A4, 48-6354A4, 48-63546A1, 48-63546A1, 48-63548A1, 48-63548A1, 48-63548A1, 48-6354A1, 48-6354

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS OR SUPERSESSION
73146A 4	10	19C	AL	3	RH	73146A40
73146A40	10	19C	AL	3	RH	AVAIL.
64724A 1 & A 2	10-3/4	17	AL	3	RH	73144A40
64724A 4	10-3/4	17C	AL	3	RH	73144A40
73144A 4	10	17C	AL	3	RH	73144A40
73144A40	10	17C	AL	3	RH	AVAIL.
61824A 1 & A 2	10-3/4	16	AL	3	RH	73140A40
61824A 4	10-3/4	16C	AL	3	RH	73144A40
63538A 1	10-3/4	16	BR	3	RH	73140A40
73142A 4	10	16C	AL	3	RH	73142A40
73142A40	10	16C	AL	3	RH	AVAIL.
73138A40	10	16C	AL	3	RH	91818A 5
91818A 4	10	16C	SS	3	RH	91818A 5
73138A40	10	16C	SS	3	RH	AVAIL.
91818A 5	10	16C	SS	3	RH	AVAIL.
73138A40	10	16C	SS	3	RH	AVAIL.
56232A 1	10-3/4	15	AL	3	RH	73136A40
73136A40	10-3/4	15	AL	3	RH	AVAIL.
56252A 1	10-3/4	15	BR	2	RH	73136A40
73136A40	10-3/4	15	BR	2	RH	AVAIL.
63454A 1	10-3/4	15	BR	2	RH	73136A40
73136A40	10-3/4	15	BR	2	RH	AVAIL.
63540A 1	11	15	BR	3	RH	73140A40
73140A 4	10-1/8	15	AL	3	RH	73140A40
73140A40	10-1/8	15C	AL	3	RH	AVAIL.
61822A 1	11	15	AL	3	RH	73140A40
61822A 4	11	15C	AL	3	RH	73140A40
76232A 4	10-1/8	15C	SS	3	RH	855862A 5
855862A 5	10-1/8	15C	SS	3	RH	AVAIL.
76232A5	10-1/8	15C	SS	3	RH	855862A 5
855862A 5	10-1/8	15C	SS	3	RH	AVAIL.
61820A 1 &A 2	11-1/4	14	AL	3	RH	73138A40
61820A 4	11-1/4	14C	AL	3	RH	73138A40
63542A 1	11-1/4	14	BR	3	RH	73138A40
63542A 4	11-1/4	14C	BR	3	RH	73140A40

	R PITCH	MATERIAL	BLADES	ROTATION	STATUS OR SUPERSESSION
73138A 4 10-1/4	14C	AL	3	RH	73138A40
73138A40 10-1/4	14C	AL	3	RH	AVAIL.
76230A 4 10-1/4	14C	SS	3	RH	855860A 5
76230A 5 10-1/4	14C	SS	3	RH	855860A 5
56236A 1 10-3/4	13	AL	3	RH	73136A40
56236A 4 10-3/4	13C	AL	3	RH	73136A40
56234A 1 11	13	AL	2	RH	73136A40
56234A 4 11	13C	AL	2	RH	73136A40
56254A 1 11	13	BR	2	RH	73136A40
56254A 4 11	13C	BR	2	RH	73136A40
61818A 1 & A2 11-1/2	13	AL	3	RH	73136A40
61818A 4 11-1/2	13C	AL	3	RH	73136A40
63456A 1 11	13	BR	2	RH	73136A40
63456A 4 11	13C	BR	2	RH	73136A40
63544A 1 11-1/2	13	BR	3	RH	73136A40
63544A 4 11-1/2	13C	BR	3	RH	73136A40
73136A40 10-3/8	13C	AL	3	RH	AVAIL.
73136A40 10-3/8	13C	AL	3	RH	AVAIL.
76228A 4 10-3/8	13C	SS	3	RH	855858A 5
76228A 5 10-3/8	13C	SS	3	RH	855858A 5
73134A40 10-3/8	13C	SS	3	RH	AVAIL.
56238A 1 11	12	AL	2	RH	73136A40
73134A40 11	12	AL	2	RH	AVAIL.
56238A 4 11	12C	AL	2	RH	73136A40
73134A40 11	12C	AL	2	RH	AVAIL.
56240A 1 10-3/4	12	AL	3	RH	73136A40
73134A40 10-3/4	12	AL	3	RH	AVAIL.
56240A 4 10-3/4	12C	AL	3	RH	73136A40
73134A40 10-3/4	12C	AL	3	RH	AVAIL.
56256A 1 11	12	BR	2	RH	73136A40
73134A40 11	12	BR	2	RH	AVAIL.
56256A 4 11	12C	BR	2	RH	73136A40
73134A40 11	12C	BR	2	RH	AVAIL.
61816A 1 11-3/4	12	AL	3	RH	73136A40
61816A 4 11-3/4	12C	AL	3	RH	73136A40
73134A40 11-3/4	12C	AL	3	RH	AVAIL.
63458A 1 11	12	BR	2	RH	73136A40
73136A40 11	12	BR	2	RH	AVAIL.
63458A 4 11	12C	BR	2	RH	73136A40
73136A40 11	12C	BR	2	RH	AVAIL.
63546A 4 11-3/4	12C	BR	3	RH	73136A40
73134A 4 10-5/8	12C	AL	3	RH	73134A40
73134A40 10-5/8	12C	AL	3	RH	AVAIL.
79792A 4 10-5/8	12C	SS	3	RH	855856A 5
79792A 5 10-5/8	12C	SS	3	RH	855856A 5
73132A40 10-5/8	12C	SS	3	RH	AVAIL.
56242A 1 11	11	AL	2	RH	NLA
56242A 4 11	11C	AL	2	RH	73136A40
73136A40 11	11C	AL	2	RH	AVAIL.
56244A 1 10-3/4	11	AL	3	RH	NLA
56244A 4 10-3/4	11C	AL	3	RH	73136A40
73136A40 10-3/4	11C	AL	3	RH	AVAIL.
56258A 1 11	11	BR	2	RH	NLA
56258A 4 11	11C	BR	2	RH	73136A40

PART NO.	DIAMETER	PITCH	MATERIAL	BLADES	ROTATION	STATUS OR SUPERSESSION
73136A40	11	11C	BR	2	RH	AVAIL.
61814A 1 & A2	12	11	AL	3	RH	73132A40
61814A 4	12	11C	AL	3	RH	73132A40
63460A 4	11	11C	BR	2	RH	73136A40
73136A40	11	11C	BR	2	RH	AVAIL.
85632A 4	10-7/8	11C	AL	3	RH	85632A40
85632A40	10-7/8	11C	AL	3	RH	AVAIL.
42740A10	12	10-1/2C	AL	3	RH	42740A11
42740A11	12	10-1/2C	AL	3	RH	AVAIL.
61812A 1	12-1/4	10	AL	3	RH	73132A40
61812A 4	12-1/4	10C	AL	3	RH	73132A40
73132A 4	11-1/4	10C	AL	3	RH	73132A40
73132A40	11-1/4	10C	AL	3	RH	AVAIL.
62274A 1 & A2	12-1/4	9	AL	3	RH	73132A40
62274A 4	12-1/4	9C	AL	3	RH	73132A40
87818A 1	12-1/4	9	AL	3	RH	87818A11
87818A10	12-1/4	9C	AL	3	RH	87818A11
97868A 1	12-1/4	9	SS	3	RH	97868A10
97868A 5	12-1/4	9	SS	3	RH	97868A10
42738A10	12-1/2	8C	AL	3	RH	42738A11

#### Merc 700/800 Direct Reversing-RH Rotation

Includes Merc 650 (4 Cyl.) Thru 1500/Mercury 75/90 (3 Cyl.), 100/115 (4 Cyl.) and Inline 6 Cyl.

NLA = 48-49624A4, 48-49628A4, 48-49622A4, 48-49626A4, 48-46162A4, 48-49620A4, 48-46160A4, 48-49618A4, 48-49618A4, 48-49616A4
48-59138A4, 48-30870A1, 48-31448

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
52012A3	13	25	AL	3	RH	77350A45
52012A4	13	25C	AL	3	RH	16996A36
72758A4	12-5/8	25C	SS	3	RH	16996A36
72758A5	12-5/8	25C	SS	3	RH	16996A36
31082A1	13-3/4	23	AL	2	RH	77344A45
77344A45	13-3/4	23	AL	2	RH	AVAIL.
32386A3	13-3/4	23	AL	2	RH	77348A45
32386A4	13-3/4	23C	AL	2	RH	77350A45
52008A3	13	23	AL	3	RH	77348A45
52008A4	13	23C	AL	3	RH	77350A45
65736A1	13	23	AL	3	RH	77348A45
65736A4	13	23C	AL	3	RH	77350A45
66140A1	13	23	SS	3	RH	16994A36
66140A4	13	23C	SS	3	RH	16994A36
72760A4	12-3/4	23C	SS	3	RH	16994A36
72760A5	12-3/4	23C	SS	3	RH	16994A36
77350A4	12-1/2	23C	AL	3	RH	77350A45
77350A40	12-1/2	23C	AL	3	RH	77350A45
31454A3	13-3/4	21	AL	2	RH	77346A45
31454A4	13-3/4	21C	AL	2	RH	77348A45
32746A3	13	21	AL	3	RH	77346A45
32746A4	13	21C	AL	3	RH	77348A45
49632A3	13-3/4	21	AL	2	RH	77346A45
49632A4	13-3/4	21C	AL	2	RH	77348A45
53892A3	13-3/4	21	AL	3	RH	77346A45
53892A4	13-3/4	21C	AL	3	RH	77348A45
63744A1	13-1/4	21	SS	3	RH	16992A36

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
63744A4	13-1/4	21C	SS	3	RH	16992A36
67280A1	13	21	AL	3	RH	77346A45
67280A4	13	21C	AL	3	RH	77348A45
72500A4	13	21C	SS	3	RH	16992A36
72500A5	13	21C	SS	3	RH	16992A36
77348A4	12-3/4	21C	AL	3	RH	77348A45
77348A40	12-3/4	21C	AL	3	RH	77348A45
30388A1	13-1/4	19	BR	2	RH	NLA
31080A1	13-1/4	19	BR	2	RH	NLA
31456A3	13-3/4	19	BR	2	RH	NLA
31456A4	13-3/4	19C	BR	2	RH	77346A45
32388A3	13-3/4	19	AL	3	RH	NLA
32388A4	13-3/4	19C	AL	3	RH	77346A45
32748A3	13	19	BR	3	RH	NLA
32748A4	13	19C	BR	3	RH	77346A45
32750A3	13	19	AL	3	RH	NLA
32750A4	13	19C	AL	3	RH	77346A45
53896A3	13-3/4	19	AL	3	RH	77344A45
53896A4	13-3/4	19C	AL	3	RH	77346A45
65024A1	13-3/4	19	AL	3	RH	77344A45
65024A4	13-3/4	19C	AL	3	RH	77346A45
65588A1	13	19	AL	3	RH	NLA
65588A4		19C			RH	77346A45
	13		AL	3		
66138A1 66138A4	13-1/2	19 19C	SS SS	3	RH	16990A36
72762A4	13-1/2			3	RH	16990A36 16990A36
	13-1/4	19C	SS	3	RH	
72762A5	13-1/4	19C	SS	3	RH	16990A36
77346A4	13	19C	AL	3	RH	77346A45
77346A40	13	19C	AL	3	RH	77346A45
16988A5	13	18C	SS	3	RH	16988A36
29658A1/A2/A3	13	17	BR	2	RH	77344A45
77344A45	13	17	BR	2	RH	AVAIL.
29658A4	13	17C	BR	2	RH	NLA
30390A1	13-3/4	17	BR	3	RH	77344A45
77344A45	13-3/4	17	BR	3	RH	AVAIL.
31072A2 & A3	13	17	AL	2	RH	77344A45
77344A45	13	17	AL	2	RH	AVAIL.
31072A4	13	17C	AL	2	RH	NLA
31458A3	13	17	BR	3	RH	77344A45
77344A45	13	17	BR	3	RH	AVAIL.
31458A4	13	17C	BR	3	RH	77344A45
32264A3	13	17	AL	3	RH	77344A45
77344A45	13	17	AL	3	RH	AVAIL.
32264A4	13	17C	AL	3	RH	77344A45
37902A2	12	17	AL	3	RH	77344A45
37902A3	12	17	AL	3	RH	77344A45
37902A4	12	17C	AL	3	RH	NLA
53900A3	14	17	AL	3	RH	77342A45
53900A4	14	17C	AL	3	RH	77344A45
65022A1	14	17	AL	3	RH	77342A45
65022A4	14	17C	AL	3	RH	77344A45
854360A45	14	17C	AL	3	RH	AVAIL.
65748A1	13	17	AL	3	RH	77344A45
00110/11						

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
65748A4	13	17C	AL	3	RH	77344A45
72764A4	13-1/2	17C	SS	3	RH	16988A36
72764A5	13-1/2	17C	SS	3	RH	16988A36
77344A4	13-1/4	17C	AL	3	RH	77344A45
77344A40	13-1/4	17C	AL	3	RH	77344A45
16986A5	13-1/8	16C	SS	3	RH	16986A36
29660A1	13	15	BR	2	RH	77344A45
29660A4	13	15C	BR	2	RH	77344A45
31074A2 & A3	13	15	AL	2	RH	77344A45
31074A4	13	15C	AL	2	RH	77344A45
32390A3	14	15	AL	3	RH	77340A45
32390A4	14	15C	AL	3	RH	77342A45
37900A2	12-1/2	15	AL	3	RH	77344A45
37900A3	12-1/2	15	AL	3	RH	77344A45
37900A4	12-1/2	15C	AL	3	RH	77344A45
77342A4	13-3/4	15C	AL	3	RH	77342A45
77342A40	13-3/4	15C	AL	3	RH	77342A45
87444A4	13-3/4	15C	SS	3	RH	17314A36
87444A5	13-3/4	15C	SS	3	RH	17314A36
17314A5	13-3/8	14C	SS	3	RH	17314A36
29662A4	13-1/2	13C	BR	2	RH	77344A45
31076A4	13-1/2	13C	AL	2	RH	77344A45
32392A3	13-1/2	13	AL	3	RH	77338A45
32392A4	13-1/2	13C	AL	3	RH	77340A45
37898A4	13	13C	AL	3	RH	77344A45
58826A3	14	13	AL	3	RH	77338A45
58826A4	14	13C	AL	3	RH	77340A45
77340A4	14	13C	AL	3	RH	77340A45
77340A40	14	13C	AL	3	RH	77340A45
17312A5	14	12C	SS	3	RH	17312A36
12606A5	14	12C	SS	3	RH	17312A36
30396A1 & A3	14	11	AL	3	RH	77338A45
30396A4	14	11C	AL	3	RH	77340A45
35936A3	14	11	AL	3	RH	77338A45
35936A4	14	11C	AL	3	RH	77340A45
77338A4	14	11	AL	3	RH	77338A45
77338A40	14	11C	AL	3	RH	77338A45
17310A5	14	10C	SS	3	RH	17310A36
12604A5	14	10C	SS	3	RH	17310A36

#### Mercury V-6 Models (W/Large Gearcase 4-3/4 Inch)

Standard Propeller

1976 and 1977 - Thrust Hub - 72894 - NLA Washer 12-31211A3 Tab Washer 14-816629 Nut 11-52707Q1 1978 and Up - Thrust Hub - 12-835467 1 Washer 12-31211A3 Tab Washer 14-816629 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
73514A4	13-3/8	25C	AL	3	RH	78126A45
78126A4	13-3/8	25C	AL	3	RH	78126A45
78126A40	13-3/8	25C	AL	3	RH	78126A45
79796A4	13-3/8	25C	SS	3	RH	16550A46
16550A46	13-3/8	25C	SS	3	RH	Avail.
79796A5	13-3/8	25C	SS	3	RH	16550A46
16550A46	13-3/8	25C	SS	3	RH	Avail.
75724A4	13-1/2	23C	SS	3	RH	16320A46
75724A5	13-1/2	23C	SS	3	RH	16320A46

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
16322A4	13-3/8	25C	SS	3	RH	16550A46
16550A46	13-3/8	25C	SS	3	RH	Avail.
16322A5	13-3/8	25C	SS	3	RH	16550A46
16550A46	13-3/8	25C	SS	3	RH	Avail.
16321A5	13-1/2	23C	SS	3	LH	16321A46
16320A4	13-1/2	23C	SS	3	RH	16320A46
16320A5	13-1/2	23C	SS	3	RH	16320A46
73512A4	13-1/2	23C	AL	3	RH	832834A45
78124A4	13-1/2	23C	AL	3	RH	832834A45
78124A40	13-1/2	23C	AL	3	RH	832834A45
88442A4	13-3/4	21C	SS	3	RH	16318A46
74268A4	13-3/4	21C	SS	3	RH	16318A46
73510A4	13-3/4	21C	AL	3	RH	832832A45
73982A4	13-3/4	21C	SS	3	RH	16318A46
73982A5	13-3/4	21C	SS	3	RH	16318A46
16319A5	13-3/4	21C	SS	3	LH	16319A46
16318A5	13-3/4	21C	SS	3	RH	16318A46
16318A4	13-3/4	21C	SS	3	RH	16318A46
78122A4	13-3/4	21C	AL	3	RH	832832A45
78122A40	13-3/4	21C	AL	3	RH	832832A45
73508A4	14-1/4	19C	AL	3	RH	832830A45
73980A4	14	19C	SS	3	RH	16316A46
73980A5	14	19C	SS	3	RH	16317A46
16317A5	14	19C	SS	3	LH	16317A46
16316A5	14	19C	SS	3	RH	16316A46
78120A4	14	19C	AL	3	RH	832830A45
78120A40	14	19C	AL	3	RH	832830A45
73506A4	14-3/4	17C	AL	3	RH	832828A45
78118A4	14-1/2	17C	AL	3	RH	832828A45
78118A40	14-1/2	17C	AL	3	RH	832828A45
79794A4	14-1/2	17C	SS	3	RH	16314A46
79794A5	14-1/2	17C	SS	3	RH	16314A46
16315A5	14-1/2	17C	SS	3	LH	16315A46
16314A5	14-1/2	17C	SS	3	RH	16314A46
16312A5	14-1/2	15C	SS	3	RH	16312A46
73504A4	15-1/4	15C	AL	3	RH	78116A45
78116A4	16	15C	AL	3	RH	78116A45
78116A40	16	15C	AL	3	RH	78116A45
93272A4	14-1/2	15C	SS	3	RH	16312A46
93272A40	14-1/2	15C	SS	3	RH	NLA
73502A4	16	13C	AL	3	RH	78114A45
78114A4	16	13C	AL	3	RH	78114A45
78114A40	16	13C	AL	3	RH	78114A45
73500A4	16	11C	AL	3	RH	78112A45
78112A4	16	11C	AL	3	RH	78112A45
78112A40	16	11C	AL	3	RH	78112A45
16316A4	14	19	SS	3	RH	16316A46
16315A4	14-1/2	17	SS	3	LH	16315A46
16314A4	14-1/2	17	SS	3	RH	16314A46
16312A4	14-1/2	15	SS	3	RH	16312A46

#### Mercury V-6 Models-Chopper (Gearcase 4-3/4 Inch)

Thrust Hub - 13191A1 Tab Washer 14-816629 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
98246A4	14-1/4	30C	SS	3	RH	NLA
98246A5	14-1/4	30C	SS	3	RH	NLA
89860A4	14-1/2	28C	SS	3	RH	13372A62
89860A5	14-1/2	28C	SS	3	RH	13372A62
13373A5	14-1/2	28C	SS	3	LH	13373A62
13372A5	14-1/2	28C	SS	3	RH	13372A62
98245A1	14-1/2	28	SS	3	LH	13373A62
89858A4	14-1/2	26C	SS	3	RH	13370A62
93593A1	14-1/2	26	SS	3	LH	13371A62
13371A5	14-1/2	26C	SS	3	LH	13371A62
13370A5	14-1/2	26C	SS	3	RH	13370A62
89858A5	14-1/2	26C	SS	3	RH	13370A62
77320A4	14-1/2	24C	SS	3	RH	13368A62
93591A1	14-1/2	24C	SS	3	LH	13369A62
77320A5	14-1/2	24C	SS	3	RH	13368A62
13369A5	14-1/2	24C	SS	3	LH	13369A62
13368A5	14-1/2	24C	SS	3	RH	13368A62
89856A4	14-1/2	22C	SS	3	RH	13366A62
89856A5	14-1/2	22C	SS	3	RH	13366A62
13366A5	14-1/2	22C	SS	3	RH	13366A62

#### Mercury V-6 Models-Trophy (Gearcase 4-3/4 Inch)

Large Hub

Thrust Hub - 12-835467 1 Tab Washer 14-816629 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
825904A41	14	21	SS	4	RH	825902A46
825908A40	14	23	SS	4	RH	825906A46
825910A40	14	24	SS	4	RH	825910A46
825912A40	14	25	SS	4	RH	825912A46
825914A40	14	26	SS	4	RH	NLA
825908A41	14	23	SS	4	RH	825906A46
825910A41	14	24	SS	4	RH	825910A46
825912A41	14	25	SS	4	RH	NLA
825914A41	14	26	SS	4	RH	NLA

# MARINER ELECTRIC MOTOR

#### **Mariner-Trolling Motor**

Nut 79719 - NLA Pin 17-70733 Retainer 79719 - NLA

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
18024A	10-1/2	6	PL BL	2	RH	18024A5
18430A	10-1/2	6	PL CL	2	RH	18024A5
87842A2	10-1/2	6	PL	2	RH	18024A5
18024A5	10	6	PL	2	RH	AVAIL.

#### **Mariner-Thruster Direct Drive**

Trolling Motor

Nut 79719 - NLA Washer 26-72462 Pin 17-70733

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
17530A	9	3.2	PL BL	2	RH	18022A5
18530A	9-1/4	3.2	PL CL	2	RH	18022A5
18022A	9-1/4	3-1/4	PL BL	2	RH	18022A5
18428A5	9-1/4	3-1/4	PL CL	2	RH	AVAIL.
18512A	9-1/4	3-1/4	PL CL	2	RH	18428A5
18022A5	9-1/4	3	PL BL	2	RH	AVAIL.

#### Mariner-R33, RX33, T33, R45, RL45, RX45, T45

Trolling Motor

Nut 818911--2 Washer 23-35935 Pin 17-70733

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
813728A	11	5	PL BL	2	RH	
813730A	11	5	PL CL	2	RH	

#### Mariner-Thruster (MotorGuide)(Machete)

Trolling Motor

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
824236T	9-1/2	2-5/8	PL CL	2	RH	AVAIL.
801889	10	3-1/2	PL CL	2	RH	MAF12406

#### Mariner V-6 Models (W/Large Gearcase 4-3/4 Inch)

Thrust Hub 12-835467Q01 Tab Washer 15-816629Q Washer 12-31211A3 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
78126A4	13-3/8	25C	AL	3	RH	N.L.A.
78126A40	13-3/8	25C	AL	3	RH	N.L.A.
79796A 4	13-3/8	25C	SS	3	RH	NLA
79796A 5	13-3/8	25C	SS	3	RH	NLA
16322A 5	13-3/8	25C	SS	3	RH	NLA
75724A 4	13-1/2	23C	SS	3	RH	
16321A 5	13-1/2	23C	AL	3	LH	
16320A 5	13-1/2	23C	AL	3	RH	
78124A 4	13-1/2	23C	AL	3	RH	48-832834A45
78124A40	13-1/2	23C	AL	3	RH	48- <b>832834A45</b>
73982A 4	13-3/4	21C	SS	3	RH	48- 16318A46
73982A 5	13-3/4	21C	SS	3	RH	48- 16318A46
16319A 5	13-3/4	21C	SS	3	LH	48- 16318A46
16318A 5	13-3/4	21C	SS	3	RH	48- 16318A46
78122A 4	13-3/4	21C	SS	3	RH	48-832832A45
78122A40	13-3/4	21C	SS	3	RH	48-832832A45
73980A 4	14	19C	SS	3	RH	48- 16316A46
73980A 5	14	19C	SS	3	RH	48- <b>16316A46</b>
16317A 5	14	19C	SS	3	LH	48- 16317A46
16316A 5	14	19C	SS	3	RH	48- 16316A46
78118A 4	14-1/2	17C	SS	3	RH	48-832828A45
78118A40	14-1/2	17C	SS	3	RH	48-832828A45
79794A 4	14-1/2	17C	SS	3	RH	48- 16314A46
79794A 5	14-1/2	17C	SS	3	RH	48- 16314A46
16315A 5	14-1/2	17C	SS	3	LH	48- 16315A46
16314A5	14-1/2	17C	SS	3	RH	48- 16315A46
78116A 4	16	15C	SS	3	RH	48- <b>78116A45</b>

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
78116A40	16	15C	SS	3	RH	48- <b>78116A45</b>
93272A 4	14-1/2	15C	SS	3	RH	48- <b>16312A46</b>
93272A 5	14-1/2	15C	SS	3	RH	48- <b>16312A46</b>
16312A 5	14-1/2	15C	SS	3	RH	48- <b>16312A46</b>
16312A 4	14-1/2	15	SS	3	RH	48- <b>16312A46</b>
78114A 4	16	13C	SS	3	RH	48- <b>78114A45</b>
78114A40	16	13C	SS	3	RH	48- <b>78114A45</b>
78112A 4	16	11C	SS	3	RH	48- <b>78112A45</b>
78112A40	16	11C	SS	3	RH	48- <b>78112A45</b>
16320A 4	13-3/8	25	SS	3	RH	
16321A 4	13-1/2	23	SS	3	LH	16321A46
16322A 4	13-3/8	25	SS	3	RH	16322A46
16312A 4	14-1/2	15	SS	3	RH	48- <b>16312A46</b>
16315A 4	14-1/2	17	SS	3	LH	48- 16315A46
16316A 4	14	19	SS	3	RH	48- <b>16316A46</b>
16317A 4	14	19	SS	3	LH	48- <b>16317A46</b>
16318A 4	13-3/4	21	SS	3	RH	48- <b>16318A46</b>

# MARINER OUTBOARD

#### Mariner 2 (6A1)

Cotter Pin 18-82134M Drive Pin 17-81896M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
80409M	7-1/4	5-1/2	AL	3	RH	NLA
43110M	7-1/4	5	AL	3	RH	NLA
80410M	7-1/4	4-1/2	AL	3	RH	AVAIL.
93032M	7-1/4	4	PL	3	RH	AVAIL.

#### Mariner 2.5/3.3 A856377 and Up

Cotter Pin 18-95295 Shear Pin 17-815111 (AL Prop), 17-815111--1 (PL Prop)

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
815083	7-3/8	6	PL	3	RH	AVAIL.
815084	7-3/8	6	AL	3	RH	AVAIL.
8150841	7-3/8	6	AL	3	RH	AVAIL.

#### Mariner 3.5 (642)

NLA = 48-80176M, 48-80177M, 48-80304M

Nut 11-80103M Cotter Pin 18-82134M Thrust Hub 12-81855M - NLA Drive Pin 17-17554M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
80178M	7-1/2	4	AL	3	RH	NLA
82861M	7-1/2	4	AL	3	RH	NLA

#### Mariner 4 (6E) & 5 (6E3)

NLA = 48-81016M

Nut 11-859931 Cotter Pin 18-82132M Drive Pin 17-17554M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
96593M	7-1/4	8-1/4	AL	3	RH	NLA
96590M	7-1/2	8	AL	3	RH	AVAIL.
96592M	7-1/4	7-1/4	AL	3	RH	NLA
96591M	7-1/2	7	AL	3	RH	AVAIL.
81015M	7-1/4	6-1/2	AL	3	RH	NLA

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
82825M	7-1/4	5	AL	3	RH	NLA

#### Mariner 4/5 A855097 and Up

Thrust Hub 16145Q01 Washer 12-16146 Nut 11-16147

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
16143	8-3/8	8	AL	3	RH	812950
16142	8-3/8	7	AL	3	RH	812949
16144	8-3/8	6	AL	3	RH	AVAIL.
16836A1	8-3/8	6	AL High Reverse	3	RH	812951A1

#### Mariner 6 (647) & 8 (655 / 677)

Without Thru Hub Exhaust NLA = 48-80546M, 48-82765

Nut 11-80545M Cotter Pin 18-82132M Drive Pin 17-81901M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
80548M	9	9	AL	3	RH	NLA
82766	8-1/4	9	AL	3	RH	AVAIL.
82764	8-1/4	8	AL	3	RH	AVAIL.
80547M	9	7	AL	3	RH	AVAIL.
82763	8-1/4	6-1/2	AL	3	RH	NLA
8109M	9	6-1/4	AL	3	RH	NLA
94780M	9	5-3/4	AL	3	RH	NLA
94781M	9	5	AL	3	RH	NLA

#### Mariner 6 (6HB) & 8 (6G1)

With Thru Hub Exhaust

Nut 11-859933 Cotter Pin 18-815026 Thrust Hub (Fwd) 23-11654M Thrust Hub (Rear) 12-84275M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
11672M	8	8	AL	3	RH	NLA
11673M	8	8	AL	3	RH	AVAIL.
11896M	9	9	AL	3	RH	NLA
11674M	8	8	AL	3	RH	NLA
11897M	9	9	AL	3	RH	NLA

#### Mariner 9.9C (682) & 15C (684)

Nut 11-859933 Cotter Pin 18-815026 Thrust Hub (Fwd) 23-859916 Thrust Hub (Rear) 12-84275M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
84079M	9-1/4	12	AL	3	RH	N.L.A.
84080M	9-1/4	10-1/2	AL	3	RH	QA3914R
QA3914T	9-1/4	10-1/2	AL	3	RH	QA3914R
84407M	9-1/2	9-3/4	AL	3	RH	AVAIL.
84081M	9-1/4	9	AL	3	RH	QA3906R
84082M	9-1/4	8	AL	3	RH	N.L.A.
QA3902T	9-1/4	8	AL	3	RH	N.L.A.
94786M	9-3/4	8	AL	3	RH	AVAIL.
84083M	9-1/2	6.5	AL	3	RH	AVAIL.
94787M	9-3/4	6.5	AL	3	RH	AVAIL.

#### Mariner 6/8/9/15 A197112 and Up

Thrust Hub 42037 Design I, 821932 Design II Spacer 23-42091-1 Nut 11-40140

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
17874A12	9	10-1/2	AL	3	RH	48-828158A12
42522A	9	9	AL	3	RH	48-828156A12
42520A10	9-1/4	7	AL	3	RH	48-828152A12
42524A	9-3/4	6-1/2	AL High Reverse	3	RH	48-828150A12

#### Mariner 15 (6510 20 (653) 25 (648/694)

Without Thru Hub Exhaust

NLA = 48-80264M, 48-80681M, 48-80925M, 48-80926M, 48-80947M, 48-96629M

Nut 859946 Cotter Pin 18-82132M Drive Pin 17-81900M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
82770	9-1/4	12	AL	3	RH	NLA
96622M	9-1/2	11-1/2	AL	3	RH	NLA
80955M	9-1/4	11-1/4	AL	3	RH	
96623M	9-1/4	11-1/4	AL	3	RH	AVAIL
82769	9-1/4	11	AL	3	RH	
80263M	9-1/4	10-3/4	AL	3	RH	N.L.A.
96624M	9-1/4	10-3/4	AL	3	RH	AVAIL
82768	9	10	AL	3	RH	QA3914R
96625M	9-1/4	10	AL	3	RH	AVAIL
80546M	9-1/4	9-1/4	AL	3	RH	NLA
80265M	9-1/4	9	AL	3	RH	N.L.A.
96626M	9-1/4	9	AL	3	RH	N.L.A.
80924M	9-1/4	8	AL	3	RH	NLA
96627M	9-1/4	8	AL	3	RH	NLA
82767	9-1/4	7	AL	3	RH	NLA
96628M	9-1/4	7	AL	3	RH	NLA
96630M	9-1/4	5	AL	3	RH	NLA

#### Mariner 20 (6A9), 25 (690/695), 28 (664), 30 (689)

With Thru Hub Exhaust NLA = 48-80262M

Nut 11-81774M Cotter Pin 18-82132M Thrust Hub (Fwd) 859917

20/25/30 - Thrust Hub (Rear) 859895 Spacer 85905

28 - Thrust Hub (Rear) 23-82796M (NLA) Spacer 23-81651M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
84977M	9-7/8	14	AL	3	RH	AVAIL.
82827M	9-7/8	13	AL	3	RH	
QA3814T	9-7/8	13	AL	3	RH	
82826M	9-7/8	12	AL	3	RH	QA3810R
88168A4	9	12	SS	3	RH	NLA
84976M	9-7/8	11-1/4	AL	3	RH	QA3810R
81649M	9-7/8	10-1/2	AL	3	RH	QA3808R
81647M	9-7/8	9	AL	3	RH	AVAIL.
88166A4	10	9	SS	3	RH	NLA
81648M	9-7/8	8	AL	3	RH	AVAIL.

#### Mariner 20 & 25 S/N 6535603 and Above

Standard

Thrust Hub 858498 Hub 11-88228

Chopper

Thrust Hub 858498 Hub 11-88228

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
Standard						
4590A40	10-1/4	14-1/2C	AL	3	RH	
89854A 4	10-1/4	14-1/2C	AL	3	RH	
19642A40	10-3/8	14-1/2C	AL	3	RH	AVAIL.
43586A40	10-3/8	13C	AL	3	RH	48- <b>19640A40</b>
86848A 4	10-3/8	13C	AL	3	RH	48- <b>19640A40</b>
19640A40	10-3/8	13C	AL	3	RH	AVAIL.
43588A 5	10-3/8	13C	SS	3	RH	48- <b>19644A</b> 5
90780A 4	10-3/8	13C	SS	3	RH	48- <b>19644A</b> 5
19644A 5	10-3/8	13C	SS	3	RH	AVAIL.
43584A40	10-3/8	11C	AL	3	RH	48- 19638A40
89852A 4	10-3/8	11C	AL	3	RH	48- <b>19638A40</b>
19638A40	10-3/8	11C	AL	3	RH	AVAIL.
43582A10	10-3/8	9-1/2	AL	3	RH	48- <b>19636A10</b>
89850A 1	10-3/8	9-1/2	AL	3	RH	48- <b>19636A10</b>
19636A10	10-3/8	9-1/2C	AL	3	RH	AVAIL.
Chopper						
92764A 4	10-3/8	18C	SS	3	RH	N.L.A.
92764A 5	10-3/8	18C	SS	3	RH	N.L.A.
43592A 5	10-3/8	18C	SS	3	RH	N.L.A.

#### Mariner 30 (689B)

Without Thru Hub Exhaust

Nut 11-97027M (NLA) Cotter Pin 18-95295 Drive Pin 18-97028M Thrust Hub (Rear) 12-83447M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
96638M	9-1/2	12-3/8	AL	3	RH	NLA
96639M	9-1/2	11-1/2	AL	3	RH	NLA
96640M	9-1/4	11-1/4	AL	3	RH	NLA
96641M	9	10-3/4	AL	3	RH	NLA
96642M	9-1/4	9	AL	3	RH	NLA
96643M	9-1/4	8	AL	3	RH	NLA

#### Mariner 40 (676A)

Without Thru Hub Exhaust

Nut 11-14279M Drive Pin 17-83443M Cotter Pin 80652M

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
83311M	11-1/2	13-1/2	AL	3	RH	N.L.A.
96631M	11-1/2	13-1/2	AL	3	RH	AVAIL.
83729M	11-1/2	13	AL	3	RH	N.L.A.
96632M	11-1/2	13	AL	3	RH	AVAIL.
83535M	11-1/2	12	AL	3	RH	
96633M	11-1/2	12	AL	3	RH	AVAIL.
83541M	11-1/2	11	AL	3	RH	
96634M	11-1/2	11	AL	3	RH	AVAIL.
83552M	11-3/4	10	AL	3	RH	N.L.A.
96635M	11-3/4	10	AL	3	RH	AVAIL.
83573M	11-3/4	8-3/4	AL	3	RH	N.L.A.

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
96636M	11-3/4	8-3/4	AL	3	RH	AVAIL.
11904M	11-3/4	7-1/2	AL	3	RH	AVAIL.

#### Mariner 40-70

40 (676B) (6E9)/48 (670)/50/55 (663)/60 (675) (6F0)/70 (3CYL.) (BELOW SERIAL #A996142)

With Thru Hub Exhaust

40/48/55/60 - Thrust Hub 73345A1 Cotter Pin 18-82132M Nut 11-859935

50 - Thrust Hub 73345A1 Washer 14-76281 Nut 11-69578Q

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
73146A4	10	19C	AL	3	RH	
73146A40	10	19C	AL	3	RH	AVAIL.
73144A 4	10	17C	AL	3	RH	48- 73144A45
73144A40	10	17C	AL	3	RH	AVAIL.
73142A 4	10	16C	AL	3	RH	48- 73142A45
73142A40	10	16C	AL	3	RH	AVAIL.
91818A 4	10	16C	SS	3	RH	N.L.A.
91818A 5	10	16C	SS	3	RH	AVAIL.
73140A 4	10-1/8	15C	AL	3	RH	48- 73140A45
73140A40	10-1/8	15C	AL	3	RH	AVAIL.
76232A 4	10-1/8	15C	SS	3	RH	48-855862A46
76232A 5	10-1/8	15C	SS	3	RH	48-855862A46
73138A 4	10-1/4	14C	AL	3	RH	48- 73138A45
73138A40	10-1/4	14C	AL	3	RH	AVAIL.
76230A 4	10-1/4	14C	SS	3	RH	48-855860A46
76230A 5	10-1/4	14C	SS	3	RH	48-855860A46
73136A 4	10-3/8	13C	AL	3	RH	48- 73136A45
73136A40	10-3/8	13C	AL	3	RH	AVAIL.
76228A 4	10-3/8	13C	SS	3	RH	48-855858A46
76228A 5	10-3/8	13C	SS	3	RH	48-855858A46
13295M	11-1/2	13	SS	3	RH	NLA
99957M	11-1/2	13	WORK	3	RH	Export Only
73134A 4	10-5/8	12C	AL	3	RH	48- 73134A45
73134A40	10-5/8	12C	AL	3	RH	AVAIL.
79792A 4	10-5/8	12C	SS	3	RH	48-855856A46
79792A 5	10-5/8	12	SS	3	RH	48-855856A46
855856A 5	12	12	SS	3	RH	AVAIL.
99956M	10-5/8	11	WORK	3	RH	Export Only
79792A 5	11-3/4	12C	SS	3	RH	48-855856A46
96536M	10-7/8	12	AL	3	RH	AVAIL.
85632A 4	10-7/8	11C	AL	3	RH	48- 85632A45
85632A40	12	11C	AL	3	RH	AVAIL.
42740A10	11-1/4	10-1/2C	AL	3	RH	48- 42740A45
73132A 4	11-1/4	10C	AL	3	RH	48- 73132A45
73132A40	12-1/4	10C	AL	3	RH	AVAIL.
87818A 1	12-1/4	9	AL	3	RH	48- 87818A45
87818A10	12-1/4	9	AL	3	RH	48- 87818A45
97868A 1	12-1/4	9	SS	3	RH	010100110
97868A 5	12-1/4	9	SS	3	RH	
97868A10	12-1/4	9	SS	3	RH	AVAIL.
87818A10	12-1/4	9	AL Workboat	3	RH	48- 87818A45
01010/10	14-114		AL VVOINDUAL		IMI	TO 01010/40

#### Mariner 70-140 I/L / 75/90 (3 Cyl)/100/114 (4 Cyl)

Standard Propeller

Thrust Hub 13191Q01 Tab Washer 14-816629Q Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
72758A 4	12-5/8	25C	SS	3	RH	Olima Or Olipological
72758A 5	12-5/8	25C	SS	3	RH	
72760A 4	12-3/4	23C	SS	3	RH	
72760A 5	12-3/4	23C	SS	3	RH	
77350A 4	12-1/2	23C	AL	3	RH	48- 77350A45
77350A40	12-1/2	23C	AL	3	RH	48- 77350A45
72500A 4	13	21C	SS	3	RH	48- 16992A46
72500A 5	13	21C	SS	3	RH	48- 16992A46
77348A 4	12-3/4	21C	AL	3	RH	48- 77348A45
77348A40	12-3/4	21C	AL	3	RH	48- 77348A45
72762A 4	13-1/4	19C	SS	3	RH	48- 16990A46
72762A 5	13-1/4	19C	SS	3	RH	48- 16990A46
77346A 4	13	19C	AL	3	RH	48- 77346A45
77346A40	13	19C	AL	3	RH	48- 77346A45
16988A 5	13	18C	SS	3	RH	48- 16988A46
72764A 4	13-1/2	17C	SS	3	RH	48- 16988A46
72764A 5	13-1/2	17C	SS	3	RH	48- 16988A46
77344A 4	13-1/4	17C	AL	3	RH	48- <b>77344A45</b>
77344A40	13-1/4	17C	AL	3	RH	48- <b>77344A4</b> 5
77342A 4	13-3/4	15C	AL	3	RH	48- 77342A45
77342A40	13-3/4	15C	AL	3	RH	48- 77342A45
87444A 4	13-3/4	15C	SS	3	RH	48- 17314A46
87444A 5	13-3/4	15C	SS	3	RH	48- 17314A46
77340A 4	14	13C	AL	3	RH	48- 77340A45
77340A40	14	13C	AL	3	RH	48- 77340A45
12606A 5	14	12C	SS	3	RH	48- <b>17312A46</b>
17312A 5	14	12C	SS	3	RH	48- 17312A46
77338A 4	14	11C	AL	3	RH	48- <b>77338A45</b>
77338A40	14	11C	AL	3	RH	48- <b>77338A45</b>
12604A 5	14	10C	SS	3	RH	48- <b>17310A46</b>
17310A 5	14	10C	SS	3	RH	48- 17310A46

#### Mariner V-6 Models-Chopper (Gearcase 4-3/4 Inch)

Thrust Hub - 13191Q01 Tab Washer 14-816629Q Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
98246A 4	14-1/4	30C	SS	3	RH	NLA
98246A 5	14-1/4	30C	SS	3	RH	NLA
89860A 4	14-1/2	28C	SS	3	RH	N.L.A.
89860A 5	14-1/2	28C	SS	3	RH	N.L.A.
13373A 5	14-1/2	28C	SS	3	LH	N.L.A.
13372A 5	14-1/2	28C	SS	3	RH	N.L.A.
98245A 1	14-1/2	28	SS	3	LH	N.L.A.
89858A 4	14-1/2	26C	SS	3	RH	N.L.A.
93593A 1	14-1/2	26	SS	3	LH	N.L.A.
13371A 5	14-1/2	26C	SS	3	LH	N.L.A.
13370A 5	14-1/2	26C	SS	3	RH	N.L.A.
89858A 5	14-1/2	26C	SS	3	RH	N.L.A.
77320A 4	14-1/2	24C	SS	3	RH	N.L.A.
93591A 1	14-1/2	24C	SS	3	LH	N.L.A.
77320A 5	14-1/2	24C	SS	3	RH	N.L.A.

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
13369A 5	14-1/2	24C	SS	3	LH	N.L.A.
13368A 5	14-1/2	24C	SS	3	RH	N.L.A.
89856A 4	14-1/2	22C	SS	3	RH	N.L.A.
89856A 5	14-1/2	22C	SS	3	RH	N.L.A.
13366A 5	14-1/2	22C	SS	3	RH	N.L.A.

#### Mariner V-6 Models-Laser (Gearcase 4-3/4 Inch)

Thrust Hub 12-835467Q01 Tab Washer 14-816629Q Washer 12-31211Q03 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
11078A40	14-1/8	25C	SS	3	RH	
11074A40	14-1/4	23C	SS	3	RH	
11070A40	14-3/8	21C	SS	3	RH	48-825862A47

#### Mariner V-6 Models-Trophy (Gearcase 4-3/4 Inch)

Thrust Hub 12-835467Q01 Tab Washer 14-816629Q Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
825904A41	14	21	SS	4	RH	NLA
825908A40	14	23	SS	4	RH	NLA
825910A40	14	24	SS	4	RH	NLA
825912A40	14	25	SS	4	RH	NLA
825914A40	14	26	SS	4	RH	NLA
825908A41	14	23	SS	4	RH	
825910A41	14	24	SS	4	RH	NLA
825912A41	14	25	SS	4	RH	NLA
825914A41	14	26	SS	4	RH	NLA

# **FORCE OUTBOARDS**

#### Force 3

Cotter Pin 18-95295 Shear Pin 17-815111 (AL Prop), 17-815111--1 (PL Prop)

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
48-815083A01	7-3/8	6	PL	3	RH	AVAIL.
48-815084A01	7-3/8	6	AL	3	RH	AVAIL.
48-815084A02	7-3/8	6	AL w/rubber hub	3	RH	AVAIL.

#### Force 4/5

Pin FA324101 Nut 11-817752A1 Cotter Pin 18-45882

Part No.         Diameter         Pitch         Material         Blades         Rotation         Status or Superst           FP332         7-1/4         6-1/2         NYLON         3         RH         48-820110A20           N.L.A.         7         6-1/4         AL         2         RH         AVAIL.           FP712         7-1/4         6-1/2         NYLON         3         RH         48-820110A20           820110A20         7-1/4         6-1/2         NYLON         3         RH         AVAIL.           FP652         8         5         AL         3         RH         NLA           FP75         8         5         AL         2         RH         NLA           FP488         7-1/4         5-1/2         AL         3         RH         NLA							
N.L.A.       7       6-1/4       AL       2       RH       AVAIL.         FP712       7-1/4       6-1/2       NYLON       3       RH       48-820110A20         820110A20       7-1/4       6-1/2       NYLON       3       RH       AVAIL.         FP652       8       5       AL       3       RH       NLA         FP75       8       5       AL       2       RH       NLA	Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
FP712     7-1/4     6-1/2     NYLON     3     RH     48-820110A20       820110A20     7-1/4     6-1/2     NYLON     3     RH     AVAIL.       FP652     8     5     AL     3     RH     NLA       FP75     8     5     AL     2     RH     NLA	FP332	7-1/4	6-1/2	NYLON	3	RH	48-820110A20
820110A20     7-1/4     6-1/2     NYLON     3     RH     AVAIL.       FP652     8     5     AL     3     RH     NLA       FP75     8     5     AL     2     RH     NLA	N.L.A.	7	6-1/4	AL	2	RH	AVAIL.
FP652         8         5         AL         3         RH         NLA           FP75         8         5         AL         2         RH         NLA	FP712	7-1/4	6-1/2	NYLON	3	RH	48-820110A20
FP75 8 5 AL 2 RH NLA	820110A20	7-1/4	6-1/2	NYLON	3	RH	AVAIL.
	FP652	8	5	AL	3	RH	NLA
FP488 7-1/4 5-1/2 AL 3 RH NLA	FP75	8	5	AL	2	RH	NLA
	FP488	7-1/4	5-1/2	AL	3	RH	NLA

Force 7.5

Pin FA324101 Nut 11-817752A1 Cotter Pin 18-45882

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
FP477	8	9-1/4	NYLON	3	RH	AVAIL.
	8	8-1/4	NYLON	3	RH	AVAIL.
FP75	8	5	AL	2	RH	NLA
FP73	8	3-1/2	AL	2	RH	NLA

#### Force 9.9/15

Pin FA324101 Nut 11-817752A1 Cotter Pin 18-45882

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
FP715	8-3/4	6	AL	3	RH	AVAIL.
FP6477	8	9-1/4	NYLON	3	RH	AVAIL.
FP472	9	9	AL	3	RH	FP6477
FP 70	8-1/4	8-3/4	AL	2	RH	NLA
48-FP6430	8	8-1/4	NYLON	3	RH	AVAIL.
FP286	8-1/4	8-1/4	AL	2	RH	48-FP6430
FP395	8-1/4	6	AL	3	RH	NLA
FP396	8-1/4	4-1/2	AL	3	RH	NLA

#### Force 20-60 Horsepower

20-25 HP 1979-1981

30 HP 1966-1982

35 HP 1966-1991

40 HP 1992-1994

45 HP 1966-1984

50 HP 1982-1994

55-60 HP 1966-1984

14 Tooth Spline & Pin Drive

Nut FA94094-2 Pin FK247 Cotter Pin 18-89961

Propeller Size	Material	Blades	Style	Quicksilver P/N	Hub System
10-3/8 X 12.5	AL	3	Black Diamond	N.L.A.	Rubber Bushing
10-3/8 X 11.5	AL	3	Black Diamond	N.L.A.	Rubber Bushing
10-3/8 X 10	AL	3	Black Diamond	N.L.A.	Rubber Bushing

#### Force 60

NLA = FP497, FP499

Hub 22-F522099 (NLA) Flat Washer F531299 Washer 12-F1866 Nut 11-F7048

Cotter Pin 826374 Prop Nut F522094-1 (NLA)

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
FPS495	10	15	AL	3	RH	NLA
FP496	10	14c	SS	3	RH	NLA
FPS494	10	14	AL	3	RH	NLA
FPS486	10	13c	AL	3	RH	NLA
FPS493	10	13	AL	3	RH	NLA
FPS522	10	12	AL	3	RH	NLA

#### Force 70

Thrust Hub 73345A1 Tab Washer 14-76281 Nut 11-69578Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
FPM735	10	19	AL	3	RH	
73146A40	10	19	AL	3	RH	AVAIL.
FPM736	10	17	AL	3	RH	48- <b>73144A45</b>
73144A40	10	17	AL	3	RH	AVAIL.
FPM737	10	16	AL	3	RH	48- <b>73142A45</b>

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
73142A40	10	16	AL	3	RH	AVAIL.
FPM750	10	16	SS	3	RH	N.L.A.
91818A 5	10	16	SS	3	RH	AVAIL.
FPM738	10-1/8	15	AL	3	RH	48- <b>73140A45</b>
73140A40	10-1/8	15	AL	3	RH	AVAIL.
FPM739	10-3/8	15	AL	3	RH	48-816706A45
816706A40	10-3/8	15	AL	3	RH	AVAIL.
FPM751	10-1/8	15	SS	3	RH	48-855862A46
76232A 5	10-1/8	15	SS	3	RH	48- <b>855862A46</b>
FPM752	10-1/4	14	SS	3	RH	48-855860A46
76230A 5	10-1/4	14	SS	3	RH	48-855860A46
FPM740	10-1/2	13	AL	3	RH	48-816704A45
816704A40	10-1/2	13	AL	3	RH	AVAIL.
FPM753	10-3/8	13	SS	3	RH	48-855858A46
76228A 5	10-3/8	13	SS	3	RH	48-855858A46
FPM741	10-3/4	12	AL	3	RH	48-816702A45
816702A40	10-3/4	12	AL	3	RH	AVAIL.
FPM742	11-7/8	12	AL	3	RH	48- 85632A45
85632A40	10-7/8	11	AL	3	RH	AVAIL.
FPM754	10-5/8	12	SS	3	RH	48-855856A46
79792A 5	10-5/8	12	SS	3	RH	48-855856A46
FPM743	12	10-1/2	AL	3	RH	48- <b>42740A45</b>
42740A10	12	10-1/2	AL	3	RH	48- <b>42740A45</b>
FPM756	11-1/4	10	AL	3	RH	48- <b>73132A45</b>
73132A40	11-1/4	10	AL	3	RH	AVAIL.
FPM755	12-1/4	9	SS	3	RH	
97868A10	12-1/4	9	SS	3	RH	AVAIL.
FPM757	12-1/4	9	AL	3	RH	48- <b>87818A45</b>
87818A10	12-1/4	9	AL	3	RH	48- <b>87818A45</b>
FPM746	12-1/2	8	AL	3	RH	48- <b>42738A45</b>
42738A10	12-1/2	8	AL	3	RH	48- <b>42738A45</b>

#### Force 85-150 and All L-Drives Pre 1995 No Thru or Thru Hub Exhaust

85, 125 HP 1988-1989 90, 120 HP 1990-1994 90-120 HP L Drive 1989-1991 150 HP 1989-1994

150 HP L Drive 1991

15 Tooth Spline

Propeller Size	Material	Blades	Style	Quicksliver P/N	Hub System	
13 X 19 RH	AL	3	Black Diamond		Rubber Bushing	
13-1/2 X 17 RH	AL	3	Black Diamond		Rubber Bushing	
13-1/2 X 15 RH Cupped	AL	3	Black Diamond		Rubber Bushing	
13-1/2 X 15 RH	AL	3	Black Diamond		Rubber Bushing	

# **CHRYSLER OUTBOARDS**

#### Chrysler Outboard 1983 and Older

NLA = FP50, FP77, FP102, FP324, FP346, FP381, FP391, FP392, FP393, FP394, FP410, FP410, FP446, FP461, FP471, FP481, FP497, FP499, FP527, FP530, FP539

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession	Horsepower	Model Year
FP19	7-1/2	4-1/2	AL (PIN)	2	RH	N.L.A.	3.5*, 3.6*(1)	69-76
FP332	7-1/2	6-1/2	PL	3	RH	48- <b>820110A20</b>	4.0*, 3.5*(1)	77 AND NEWER
FP73	8	3-1/2	AL	2	RH	N.L.A.	4.4, 5.0, 6.0, 4.5, 8.0	68-78
FP521	7-1/4	5-1/2	AL (PIN)	3	RH	N.L.A.	4.0*, L.L.(1)	76-78
FP430	8	8-1/4	PL	3	RH	AVAIL.	6.0*, 8.0, 7.5(1)	78-81
N.L.A.	7	6-1/4	AL	2	RH	AVAIL.	3.5, 6.0, 8.0	76-79
FP477	8	9-1/4	PL	3	RH	AVAIL.	6.0, 7.5, 8.0	78 AND NEWER
FP488	7-1/4	5-1/2	AL	3	RH	N.L.A.	3.5, 6.0, 8.0, 4.0, L.L.*(1)	76-79
FP75	8	5	AL	2	RH	N.L.A.	3.5, 6.6, 7.0, 7.5, 8.0	68-80
FP6430	8	8-1/2	PL	3	RH	AVAIL.	9.9, 10, 12.9, 15	68 AND NEWER
FP70	8-1/4	8-3/4	AL	2	RH	N.L.A.	9.9, 10, 12.9, 15	68 AND NEWER
FP396	8-1/4	4-1/2	AL	3	RH	N.L.A.	9.9, 10, 12.9, 15	68 AND NEWER
FP395	8-1/4	6	AL	3	RH	N.L.A.	9.9, 10, 12.9, 15	68 AND NEWER
FP472	8	9	AL	3	RH	FP6477	9.9, 10, 12.9, 15	68 AND NEWER
FP273	10-3/8	13-1/2	AL	3	RH	819334A40	30*, 35, 45, 55+, 60+	66 AND NEWER
819334A40	10-3/8	13-1/2	AL	3	RH	N.L.A.	30*, 35, 45, 55+, 60+	66 AND NEWER
FP293	10-3/8	12-1/2	AL	3	RH	N.L.A.	30, 35, 45*, 55*+, 60+	66 AND NEWER
FP287	10-3/8	11-1/2	AL	3	RH	N.L.A.	30, 35*, 45, 55+, 60+	66 AND NEWER
FP278	10-3/8	10	AL	3	RH	N.L.A.	30, 35, 45, 55+, 60+ Sailors 10, 250, 280(2)	66 AND NEWER

<sup>(1)</sup> Standard Replacement Propeller

# **MERCRUSIER STERNDRIVES**

#### MerCruiser 60

NLA = 48-38396A1, 48-38396A4, 48-38394A1, 48-38394A4, 48-38086A4, 48-38090A4, 48-37314A1, 48-37314A4, Thrust Hub 38859A1 Washer 12-32007 Nut 11-69578Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
38090A1	10-3/4	13	AL	3	RH	N.L.A.
38094A1	10-3/4	12	AL	3	RH	N.L.A.
38094A4	10-3/4	12C	AL	3	RH	N.L.A.
38098A1	10-3/4	11	AL	3	RH	N.L.A.
38098A4	10-3/4	11C	AL	3	RH	N.L.A.
33774A1	10-3/4	10	AL	3	RH	AVAIL.
33774A4	10-3/4	10C	AL	3	RH	N.L.A.
32194A1	10-3/4	9	AL	3	RH	N.L.A.
32194A4	10-3/4	9C	AL	3	RH	N.L.A.

<sup>(2)</sup> Two-piece gear case

#### MerCruiser 80/90 & MerCruiser I

MerCruiser I with 4 Inch OD outer prop hub

NLA = 48-31448A3, 48-31448A4, 48-31450A3, 48-31450A4, 48-32744A3, 48-32744A4, 48-31460A3, 48-31460A4, 48-30394A3, 48-30394A4, 48-30398A3, 48-30398A4, 48-33242A3, 48-33242A4, 48-30400A3, 48-30400A4

Thrust Hub 3

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
52012A 3	13	25	AL	3	RH	48- 77350A45
52012A 4	13	25C	AL	3	RH	
72758A 4	12-5/8	25C	SS	3	RH	
72758A 5	12-5/8	25C	SS	3	RH	
32386A 3	13-3/4	23	AL	2	RH	48- 77348A45
32386A 4	13-3/4	23C	AL	2	RH	48- 77350A45
52008A 3	13	23	AL	3	RH	48- 77348A45
52008A 4	13	23C	AL	3	RH	48- 77350A45
72760A 4	12-3/4	23C	SS	3	RH	
72760A 5	12-3/4	23C	SS	3	RH	
77350A 4	12-1/2	23C	AL	3	RH	48- <b>77350A45</b>
77350A40	12-1/2	23C	AL	3	RH	48- <b>77350A45</b>
31454A 3	13-3/4	21	AL	2	RH	48- <b>77346A45</b>
31454A 4	13-3/4	21C	AL	2	RH	48- 77348A45
32746A 3	13	21	AL	3	RH	48- <b>77346A45</b>
32746A 4	13	21C	AL	3	RH	48- <b>77348A45</b>
72500A 4	13	21C	SS	3	RH	48- 16992A46
72500A 5	13	21C	SS	3	RH	48- <b>16992A46</b>
77348A 4	12-3/4	21C	AL	3	RH	48- <b>77348A45</b>
77348A40	12-3/4	21C	AL	3	RH	48- <b>77348A45</b>
32388A 3	13-3/4	19	AL	2	RH	N.L.A.
32388A 4	13-3/4	19C	AL	2		

#### MerCruiser I (Standard Propeller)

With 4-1/2 Inch OD outer prop hub

NLA = 48-36028A4, 48-36032A1, 48-36032A4, 48-66139A4, 48-66448A4, 48-79582A4, 48-36030A1, 48-36030A4, 48-73982A4, 48-36022A1, 48-36024A1, 48-36024A1

1982 and Before - Thrust Hub 56292Q04 Tab Washer 14-816629Q

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
36028A 1	14-1/2	27	AL	3	RH	N.L.A.
36008A 1	14-1/2	25	AL	3	RH	N.L.A.
36008A 4	14-1/2	25C	AL	3	RH	N.L.A.
65480A 1	14-1/2	25	AL	3	RH	N.L.A.
65480A 4	14-1/2	25C	AL	3	RH	N.L.A.
75784A 4	13-1/4	25C	AL	3	RH	N.L.A.
77402A 4	13-1/2	25C	SS	3	RH	
16550A46	13-1/2	25C	SS	3	RH	AVAIL.
78126A 4	13-3/8	25C	AL	3	RH	N.L.A.
78126A40	13-3/8	25C	AL	3	RH	N.L.A.
79580A 4	14-1/2	25C	AL	3	RH	N.L.A.
79796A 4	13-3/8	25C	SS	3	RH	
16550A36	13-3/8	25C	SS	3	RH	AVAIL.
79796A 5	13-3/8	25C	SS	3	RH	
16550A36	13-3/8	25C	SS	3	RH	AVAIL.
88446A 4	13-1/2	25C	SS	3	RH	
16550A36	13-1/2	25C	SS	3	RH	AVAIL.
16322A 5	13-3/8	25C	SS	3	RH	
16550A36	13-3/8	25C	SS	3	RH	AVAIL.

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
36010A 1	14-1/2	23	AL	3	RH	48-832834A45
36010A 4	14-1/2	23C	AL	3	RH	48- <b>832834A45</b>
58426A 1	15	23	AL	3	RH	48- <b>832834A45</b>
58426A 4	15	23C	AL	3	RH	48- <b>832834A45</b>
67874A 4	15	23C	AL	3	RH	48- <b>832834A45</b>
75058A 4	13-1/2	23C	SS	3	RH	
75160A 4	13-1/2	23C	AL	3	RH	48- <b>832834A45</b>
75724A 4	13-1/2	23C	SS	3	RH	
75724A 5	13-1/2	23C	SS	3	RH	
16321A 5	13-1/2	23C	SS	3	LH	
16320A 5	13-1/2	23C	SS	3	RH	
78124A 4	13-1/2	23C	AL	3	RH	48- <b>832834A45</b>
78124A40	13-1/2	23C	AL	3	RH	48- <b>832834A45</b>
79578A 4	15	23C	AL	3	RH	48-832834A45
88444A 4	13-1/2	23C	SS	3	RH	
36012A 1	15	21	AL	3	RH	48- <b>832832A45</b>
36012A 4	15	21C	AL	3	RH	48- <b>832832A45</b>
49634A 1	15	21	AL	3	RH	48- <b>832832A45</b>
49634A 4	15	21C	AL	3	RH	48- <b>832832A45</b>
58424A 1	15-1/4	21	AL	3	RH	48- <b>832832A45</b>
58424A 4	15-1/4	21C	AL	3	RH	48- <b>832832A45</b>
65992A 1	15-1/4	21	AL	3	RH	48- <b>832832A45</b>
65992A 4	15-1/4	21C	AL	3	RH	48- <b>832832A45</b>
73982A 5	13-3/4	21C	SS	3	RH	48- <b>16318A46</b>
74268A 4	13-3/4	21C	SS	3	RH	48- <b>16318A46</b>
16319A 5	13-3/4	21C	SS	3	LH	
16318A 5	13-3/4	21C	SS	3	RH	48- <b>16318A46</b>
74876A 4	13-3/4	21C	AL	3	RH	48- <b>832832A45</b>
74888A 4	15-1/4	21C	AL	3	RH	48- <b>832832A45</b>
78122A 4	13-3/4	21C	AL	3	RH	48- <b>832832A4</b> 5
78122A40	13-3/4	21C	AL	3	RH	48- <b>832832A45</b>
79576A 4	15-1/4	21C	AL	3	RH	48- <b>832832A45</b>
36014A 1	15-1/2	19	AL	3	RH	48- <b>832830A45</b>
832830A45	15-1/2	19	AL	3	RH	AVAIL.
36014A 4	15-1/2	19C	AL	3	RH	48- <b>11324A45</b>
58422A 1	15-1/2	19	AL	3	RH	48- <b>832830A45</b>
832830A45	15-1/2	19	AL	3	RH	AVAIL.
58422A 4	15-1/2	19C	AL	3	RH	48- <b>11324A45</b>
66432A 1	15-1/2	19	AL	3	RH	48- <b>832830A45</b>
832830A45	15-1/2	19	AL	3	RH	AVAIL.
66432A 4	15-1/2	19C	AL	3	RH	48- <b>11324A45</b>
73980A 4	14	19C	SS	3	RH	48- <b>16316A46</b>
73980A 5	14	19C	SS	3	RH	48- <b>16316A46</b>
74266A 4	14	19C	SS	3	RH	48- <b>16316A46</b>
74874A 4	14	19C	AL	3	RH	48- <b>832830A45</b>
74886A 4	15-1/2	19C	AL	3	RH	48- <b>11324A45</b>
78120A 4	14	19C	AL	3	RH	48-832830A45
78120A40	14	19C	AL	3	RH	48- <b>832830A45</b>
79574A 4	15-1/2	19C	AL	3	RH	48- <b>11324A45</b>
88440A 4	14	19C	SS	3	RH	48- <b>16316A46</b>
16317A 5	14	19C	SS	3	LH	48- <b>16317A46</b>
16317A46	14	19C	SS	3	LH	AVAIL.
16316A 5	14	19C	SS	3	RH	48- <b>16316A46</b>
11324A40	15-1/2	18C	AL	3	RH	48- <b>11324A45</b>

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
36016A 1	15-3/4	17	AL	3	RH	48- 16440A45
36016A 4	15-3/4	17C	AL	3	RH	48- 16440A45
66450A 4	15-3/4	17C	AL	3	RH	48- <b>16440A45</b>
74872A 4	14-1/4	17C	AL	3	RH	48- <b>832828A45</b>
78118A 4	14-1/2	17C	AL	3	RH	48- <b>832828A45</b>
78118A40	14-1/2	17C	AL	3	RH	48-832828A45
79572A 4	15-3/4	17C	AL	3	RH	48- <b>16440A45</b>
79794A 4	14-1/2	17C	SS	3	RH	48- 16314A46
79794A 5	14-1/2	17C	SS	3	RH	48- 16314A46
79830A 4	14-1/2	17C	SS	3	RH	48- 16314A46
16315A 5	14-1/2	17C	SS	3	LH	48- 16315A46
16314A 5	14-1/2	17C	SS	3	RH	48- 16314A46
88438A 4	14-1/2	17C	SS	3	RH	48- 16314A46
11322A40	15-3/4	16C	AL	3	RH	48- 16440A45
16440A40	16	16C	AL	3	RH	48- 16440A45
36018A 1	16	15	AL	3	RH	48- 78116A45
36018A 4	16	15C	AL	3	RH	48- 16438A45
66452A 4	16	15C	AL	3	RH	48- 16438A45
75760A 4	14-1/2	15C	AL	3	RH	48- 78116A45
78116A 4	16	15C	AL	3	RH	48- 78116A45
78116A40	16	15C	AL	3	RH	48- 78116A45
79570A 4	16	15C	AL	3	RH	48- 16438A45
93272A 4	14-1/2	15C	SS	3	RH	48- 16312A46
93272A 5	14-1/2	15C	SS	3	RH	48- 16312A46
16312A 5	14-1/2	15C	SS	3	RH	48- 16312A46
11320A40	16	14C	AL	3	RH	48- 16438A45
16438A40	16	14C	AL	3	RH	48- <b>16438A45</b>
36020A 1	16	13	AL	3	RH	48- <b>78114A45</b>
36020A 4	16	13C	AL	3	RH	48- <b>78114A45</b>
75138A 4	16	13C	AL	3	RH	48- 78114A45
78114A 4	16	13C	AL	3	RH	48- <b>78114A45</b>
78114A40	16	13C	AL	3	RH	48- <b>78114A45</b>
79568A 4	16	13C	AL	3	RH	48- <b>78114A45</b>
16436A40	16	12C	AL	3	RH	48- 16436A45
36022A 4	16	11C	AL	3	RH	48- <b>78112A45</b>
78112A 4	16	11C	AL	3	RH	48- <b>78112A45</b>
78112A40	16	11C	AL	3	RH	48- <b>78112A45</b>
16312A 4	14-1/2	15C	SS	3	RH	48- 16312A46
16314A 4	14-1/2	17C	SS	3	RH	48- 16314A46
16315A 4	14-1/2	17C	SS	3	LH	48- 16315A46
16316A 4	14	19C	SS	3	RH	48- 16316A46
16318A 4	13-3/4	21C	SS	3	RH	48- 16318A46
16319A 4	13-3/4	21C	SS	3	LH	
16320A 4	13-1/2	23C	SS	3	RH	
16321A 4	13-1/2	23C	SS	3	LH	
16322A 4	13-3/8	25C	SS	3	RH	
16550A46	13-3/8	25C	SS	3	RH	AVAIL.

# HISTORICAL PROPELLER CHARTS

### MerCruiser I (Cleaver)

With 4-1/2 Inch OD outer prop hub

NLA = 48-77096A4, 48-88452A4, 48-89806A4, 48-89806A5, 48-77094A4, 48-88450A4, 48-89804A4, 48-89804A5, 48-77092A4, 48-88448A4

Thrust Hub 92950 Tab Washer 14-816629Q Washer 12-31211A3 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
89802A 4	14-3/4	21C	SS	3	RH	N.L.A.
89802A 5	14-3/4	21C	SS	3	RH	N.L.A.
89266A 4	15	19C	SS	3	RH	N.L.A.
89800A 4	15	19C	SS	3	RH	N.L.A.
89800A 5	15	19C	SS	3	RH	N.L.A.

### Bravo One - Mirage

Solid Hub

Mirage Plus 370 Hp & Below

Thrust Hub 12-835467 1 Tab Washer 14-816629 Washer Splined 12-31211A2 Nut 11-52707A1

Solid Hub Mirage - 370 Hp & Up
Thrust Hub 14359 Splined Washer (FWD) 12-39701 Flat Washer (Rear) 12-39698

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
821720A 5	14-3/4	29C	SS	3	RH	Clarino di Calporoccioni
821719A 5	14-3/4	29C	SS	3	LH	
19836A 5	14-3/8	27C	SS	3	RH	N.L.A.
18280A56	14-3/8	27C	SS	3	RH	N.L.A.
19835A 5	14-3/8	27C	SS	3	LH	48- 18281A56
13248A 5	14-1/2	25C	SS	3	RH	
13247A 5	14-1/2	25C	SS	3	LH	
13246A 5	14-5/8	23C	SS	3	RH	
13245A 5	14-5/8	23C	SS	3	LH	
13244A 5	14-3/4	21C	SS	3	RH	
13243A 5	14-3/4	21C	SS	3	LH	
13703A56	14-3/4	21C	SS	3	LH	AVAIL.
13242A 5	15-1/4	19C	SS	3	RH	,
13241A 5	15-1/4	19C	SS	3	LH	
19839A 5	15-1/2	17C	SS	3	LH	
19835A 5	15-1/2	17C	SS	3	RH	N.L.A.
19834A50	15-1/2	17	SS	3	RH	N.L.A.
18278A56	15-1/2	17	SS	3	RH	N.L.A.
19835A50	14-3/8	27	SS	3	LH	18281A56
19836A50	14-3/8	27	SS	3	RH	18280A56
19839A50	15-1/2	17	SS	3	LH	
13241A50	15-1/4	19	SS	3	LH	
13242A50	15-1/4	19	SS	3	RH	
13243A50	14-3/4	21	SS	3	LH	
13244A50	14-3/4	21	SS	3	RH	
13245A50	14-5/8	23	SS	3	LH	
13246A50	14-5/8	23	SS	3	RH	
13247A50	14-1/2	25	SS	3	LH	
13248A50	14-1/2	25	SS	3	RH	
821719A50	14-3/4	29	SS	3	LH	
821720A50	14-3/4	29	SS	3	RH	

### Bravo One - Cleaver

Rubber Hub

NLA = 48-89799A5, 48-89801A5, 48-89803A5, 48-89804A5, 48-89805A5, 48-89806A5 Thrust Hub 92950 Tab Washer 14-816629Q Washer 12-31211A3 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
89805A4	14-1/4	25C	SS	3	LH	N.L.A.
89806A4	14-1/4	25C	SS	3	RH	N.L.A.
89803A4	14-1/2	23C	SS	3	LH	N.L.A.
89804A4	14-1/2	23C	SS	3	RH	N.L.A.
89801A4	14-3/4	21C	SS	3	LH	N.L.A.
89802A4	14-3/4	21C	SS	3	RH	N.L.A.
89802A5	14-3/4	21C	SS	3	RH	N.L.A.
89799A4	15	19C	SS	3	LH	N.L.A.
89800A4	15	19C	SS	3	RH	N.L.A.
89800A5	15	19C	SS	3	RH	N.L.A.

# **Bravo Two**

NLA = 48-18607A42, 48-18609A42

Thrust Washer 55074T Tab Washer 14-34817 Washer 12-55073A2 Nut 11-826711 27

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
	16-1/4	25C	AL	3	LH	AVAIL.
	17-1/4	25C	AL	3	LH	AVAIL.
	16-1/4	25C	AL	3	RH	AVAIL.
	17-1/4	25C	AL	3	RH	AVAIL.
	16-1/2	23C	AL	3	LH	AVAIL.
48- <b>18619A40</b>	17-1/2	23C	AL	3	LH	AVAIL.
	16-1/2	23C	AL	3	RH	AVAIL.
48- <b>18618A40</b>	17-1/2	23C	AL	3	RH	AVAIL.
	16-3/4	21C	AL	3	LH	AVAIL.
48- <b>18617A40</b>	17-3/4	21C	AL	3	LH	AVAIL.
	16-3/4	21C	AL	3	RH	AVAIL.
48- <b>18616A40</b>	17-3/4	21C	AL	3	RH	AVAIL.
	19-1/2	21C	AL	3	RH	AVAIL.
	14-1/4	19C	AL	3	LH	AVAIL.
48- 18615A40	18-1/4	19C	AL	3	LH	AVAIL.
	17-1/4	19C	AL	3	RH	AVAIL.
	19-3/4	19C	AL	3	RH	AVAIL.
48- <b>18614A40</b>	18-1/4	19C	AL	3	RH	AVAIL.
	17-3/4	17C	AL	3	LH	AVAIL.
	18-3/4	17C	AL	3	LH	AVAIL.
	18-3/4	17C	AL	3	RH	AVAIL.
	18-3/4	17C	AL	3	RH	AVAIL.
	18-1/4	15C	AL	3	LH	AVAIL.
	19-1/4	15C	AL	3	LH	AVAIL.
	18-1/4	15C	AL	3	RH	AVAIL.
	19-1/4	15C	AL	3	RH	AVAIL.
	19-1/2	13C	AL	3	RH	AVAIL.
	20	11C	AL	3	RH	AVAIL.

# HISTORICAL PROPELLER CHARTS

### Bravo Three - Gas & Diesel

Prop Wrench 91-805457T1 Rear Prop Nut 862907 Forward Prop Nut 11-859131

Rear Thrust Hub 805101T Forward Thrust Hub 805100

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
823670A 5	13-3/4	28	SS	3	RH	
823669A 5	15	28	SS	3	LH	
823668A 5	14	26	SS	3	RH	
823667A 5	15-1/4	26	SS	3	LH	
823666A 5	14-1/4	24	SS	3	RH	
823665A 5	15-1/2	24	SS	3	LH	
823664A 5	14-1/4	22	SS	3	RH	
823663A 5	15-3/4	22	SS	3	LH	
823662A 5	14-2/5	20	SS	3	RH	
823661A 5	16	20	SS	3	LH	
823670A 6	13-3/4	28	SS	3	RH	
823669A 6	15	28	SS	3	LH	
823668A 6	14	26	SS	3	RH	
823667A 6	15-1/4	26	SS	3	LH	
823666A 6	14-1/4	24	SS	3	RH	
823665A 6	15-1/2	24	SS	3	LH	
823664A 6	14-1/4	22	SS	3	RH	
823663A 6	14-1/4	22	SS	3	LH	
823662A 6	14-3/8	20	SS	3	RH	
823661A 6	16	20	SS	3	LH	

## Pre 2017 3 blade Front/Rear Quicksilver Thunderbolt BIII for MerCruiser Bravo Three sterndrives

3 blade front 3 blade rear propellers

For listing of New style 4 blade front 3 blade rear propellers, reference the Quicksilver Bravo Three section within the Quicksilver Propeller Application Charts section of guide Mixing of old style and new style props is not recommended for best performance.

Bravo Three Propeller Hardware (not included with propellers): Forward Thrust Washer 805101T

Aft Thrust Washer 805100

Forward Prop Nut 859131

Aft Prop Nut 862907

Bravo Three Inner Prop Nut Wrench 805457T 1

Pitch	Material	Finish	Blades (Front & Rear)	LH Rotation Front Prop RH Rotation Rear Pr	op Model
28	SS	Matte	3 & 3		Bravo Three
26	SS	Matte	3 & 3		Bravo Three
24	SS	Matte	3 & 3		Bravo Three
22	SS	Matte	3 & 3		Bravo Three
20	SS	Matte	3 & 3		Bravo Three

## Pre 2008 3 blade Front/Rear Mercury MerCruiser Bravo Three

3 blade front 3 blade rear propellers

For listing of New style 4 blade front 3 blade rear propellers Bravo Three in Mercury Propeller Application Charts section of guide Mixing of old style and new style props is not recommended for best performance

All Engines

Bravo Three Propeller Hardware (not included with propellers):

Forward Thrust Washer 805101T

Aft Thrust Washer 805100

Forward Prop Nut 859131

Aft Prop Nut 862907

Bravo Three Inner Prop Nut Wrench 805457T 1

Pitch	Material	Finish	Blades (Front & Rear)	LH Rotation Front Prop	RH Rotation Rear Prop	Model
30 Cup	SS	Matte	3 & 3			Bravo Three
30	SS	Matte	3 & 3	48-831867A60	48- <b>831868A60</b>	Bravo Three
28 Cup	SS	Matte	3 & 3			Bravo Three
28	SS	Matte	3 & 3			Bravo Three
26 Cup	SS	Matte	3 & 3			Bravo Three
26	SS	Matte	3 & 3			Bravo Three
24 Cup	SS	Matte	3 & 3			Bravo Three
24	SS	Matte	3& 3			Bravo Three
22 Cup	SS	Matte	3 & 3			Bravo Three
22	SS	Matte	3 & 3			Bravo Three
20 Cup	SS	Matte	3 & 3			Bravo Three
20	SS	Matte	3 & 3			Bravo Three

### MerCruiser 215E/215H/All II-TR & TR

NLA = 48-57270A1, 48-57271A1, 48-54733A1, 48-54733A4, 48-57268A1, 48-57269A1, 48-54731A1, 48-54731A4, 48-57266A1, 48-57267A1, 48-54719A1, 48-54720A1, 48-54717A1, 48-54718A1

Thrust Washer 55074T Tab Washer 14-34817 Washer 12-55073 (NLA) Nu

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
54726A 4	18	23C	AL	3	LH	48- 18619A40
57264A 1	19-1/4	23	AL	3	RH	48- 18618A40
57265A 1	19-1/4	23	AL	3	LH	48- 18619A40
77902A 1	19-1/4	23	AL	3	RH	48- 18618A40
77902A10	19-1/4	23	AL	3	RH	48- 18618A40
48- 18618A40	16-1/2	23C	AL	3	RH	AVAIL.
77903A 1	19-1/4	23	AL	3	LH	48- 18619A40
77903A10	19-1/4	23	AL	3	LH	48- 18619A40
48- 18618A40	16-1/2	23C	AL	3	LH	AVAIL.
54727A 1	18-1/2	21	AL	3	LH	48- <b>18617A40</b>
54727A 4	18-1/2	21C	AL	3	LH	48- 18617A40
57262A 1	19-1/2	21	AL	3	RH	48- <b>18616A40</b>
57263A 1	19-1/2	21	AL	3	LH	48- <b>18617A40</b>
69262A 1	19-1/2	21	AL	3	RH	48- <b>18616A40</b>
77900A 1	19-1/2	21	AL	3	RH	48- <b>18616A40</b>
77900A10	19-1/2	21	AL	3	RH	48- <b>18616A40</b>
48- 18616A40	16-3/4	21C	AL	3	RH	AVAIL.
77901A 1	19-1/2	21	AL	3	LH	48- <b>18617A40</b>
77901A10	19-1/2	21	AL	3	LH	48- <b>18617A40</b>
48- 18617A40	17-3/4	21C	AL	3	LH	AVAIL.
54725A 1	19	19	AL	3	LH	48- <b>18615A40</b>
54726A 1	19	19	AL	3	RH	48- <b>18614A40</b>
63305A 1	19-3/4	19	AL	3	LH	48- 18615A40
63306A 1	19-3/4	19	AL	3	RH	48- <b>18614A40</b>
69260A 1	19-3/4	19	AL	3	RH	48- <b>18614A40</b>

# HISTORICAL PROPELLER CHARTS

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
77898A 1	19-3/4	19	AL	3	RH	48- 18614A40
77898A10	19-3/4	19	AL	3	RH	48- 18614A40
	19-3/4	19C	AL	3	RH	AVAIL.
48- 18614A40	17-1/4	19C	AL	3	RH	AVAIL.
77899A1	19-3/4	19	AL	3	LH	48- 18615A40
77899A10	19-3/4	19	AL	3	LH	48- 18615A40
48- 18615A40	17-1/4	19C	AL	3	LH	AVAIL.
54723A 1	20	17	AL	3	LH	
54724A 1	20	17	AL	3	RH	
63303A 1	20	17	AL	3	LH	
63304A 1	20	17	AL	3	RH	
77896A 1	20	17	AL	3	RH	
77896A10	20	17	AL	3	RH	
48-8M0078090	17-3/4	17C	AL	3	RH	AVAIL.
77897A1	20	17	AL	3	LH	
77897A10	20	17	AL	3	LH	
48-8M0078091	17-3/4	17C	AL	3	LH	AVAIL.
54721A 1	19-3/4	15	AL	3	LH	
54722A 1	19-3/4	15	AL	3	RH	
77894A 1	19-3/4	15	AL	3	RH	
77894A10	19-3/4	15	AL	3	RH	
48-8M0078088	18-1/4	15C	AL	3	RH	AVAIL.
77895A 1	19-3/4	15	AL	3	LH	
77895A10	19-3/4	15	AL	3	LH	
48-8M0078089	18-1/4	15C	AL	3	LH	AVAIL.

### MerCruiser TRS - Mirage

Rubber Hub - 370 Hp & Below

Thrust Hub 13171 Tab Washer 14-816629 Washer Splined 12-31211A2 Nut 11-52707A1

Solid Hub - 370 Hp & Up

Thrust Hub 14359 Splined Washer (FWD) 12-39701 Flat Washer (Rear) 12-39698 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
821720A 5	14-3/4	29C	SS	3	RH	
821719A 5	14-3/4	29C	SS	3	LH	
19836A 5	14-3/8	27C	SS	3	RH	18280A56
18280A56	14-3/8	27C	SS	3	RH	N.L.A.
19835A 5	14-3/8	27C	SS	3	LH	48- <b>18281A56</b>
13248A 5	14-1/2	25C	SS	3	RH	
13247A 5	14-1/2	25C	SS	3	LH	
13246A 5	14-5/8	23C	SS	3	RH	
13245A 5	14-5/8	23C	SS	3	LH	
13244A 5	14-3/4	21C	SS	3	RH	
13243A 5	14-3/4	21C	SS	3	LH	
13242A 5	15-1/4	19C	SS	3	RH	
13241A 5	15-1/4	19C	SS	3	LH	
19839A 5	15-1/2	17C	SS	3	LH	
19834A 5	15-1/2	17C	SS	3	RH	18278A56
19834A50	15-1/2	17	SS	3	RH	18278A56
18278A56	15-1/2	17	SS	3	RH	N.L.A.
19835A50	14-3/8	27	SS	3	LH	48- <b>18281A56</b>
19836A50	14-3/8	27	SS	3	RH	18280A56
19836A50	15-1/2	17	SS	3	LH	
13241A50	15-1/4	19	SS	3	LH	

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
13242A50	15-1/4	19	SS	3	RH	
13243A50	14-3/4	21	SS	3	LH	
13244A50	14-3/4	21	SS	3	RH	
13245A50	14-5/8	23	SS	3	LH	
13246A50	14-5/8	23	SS	3	RH	
13247A50	14-1/2	25	SS	3	LH	
13248A50	14-1/2	25	SS	3	RH	
821719A50	14-3/4	29	SS	3	LH	
821720A50	14-3/4	29	SS	3	RH	

# MerCruiser TRS - Cleaver (Solid Hub)

Splined Washer (FWD) 12-39701 Flat Washer (Rear) 12-39698 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
74603A 4	14-1/4	25C	SS	3	LH	
13247A50	14-1/2	25	SS	3	LH	
74604A 4	14-1/4	25C	SS	3	RH	
13248A50	14-1/2	25	SS	3	RH	
68560A 4	15	23C	SS	3	RH	
74601A 4	14-1/2	23C	SS	3	LH	
13245A50	14-1/2	23	SS	3	LH	
74602A 4	14-1/2	23C	SS	3	RH	
13246A50	14-1/2	23	SS	3	RH	
68557A 4	15-1/4	21C	SS	3	LH	
68558A 4	15-1/4	21C	SS	3	RH	
74599A 4	14-3/4	21C	SS	3	LH	
13243A50	14-5/16	21	SS	3	LH	
74600A 4	14-3/4	21C	SS	3	RH	
13244A50	14-5/16	21	SS	3	RH	
68555A 4	15-1/2	19C	SS	3	LH	
68556A 4	15-1/2	19C	SS	3	RH	
74597A 4	15	19C	SS	3	LH	
13241A50	15	19	SS	3	LH	
74598A 4	15	19C	SS	3	RH	
13242A50	15	19	SS	3	RH	

### MerCruiser TRS - Cleaver (Rubber Hub)

NLA = 48-89799A5, 48-89801A5, 48-89803A5, 48-89804A5, 48-89805A5, 48-89806A5 Thrust Hub 92950 Tab Washer 14-816629 Washer 12-31211A2 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
89805A 4	14-1/4	25C	SS	3	LH	N.L.A.
89806A 4	14-1/4	25C	SS	3	RH	N.L.A.
89803A 4	14-1/2	23C	SS	3	LH	N.L.A.
89804A 4	14-1/2	23C	SS	3	RH	N.L.A.
89801A 4	14-3/4	21C	SS	3	LH	N.L.A.
89802A 4	14-3/4	21C	SS	3	RH	N.L.A.
89802A 5	14-3/4	21C	SS	3	RH	N.L.A.
89799A 4	15	19C	SS	3	LH	N.L.A.
89800A 4	15	19C	SS	3	RH	N.L.A.
89800A 5	15	19C	SS	3	RH	N.L.A.

# **HISTORICAL PROPELLER CHARTS**

#### MerCruiser TRS - Laser

370 Hp & Below Only

Thrust Hub 12-835467 1 Tab Washer 14-816629 Washer 12-31211A3 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
11078A40	14-1/8	25	SS	3	RH	
11074A40	14-1/4	23	SS	3	RH	
11070A40	14-3/8	21	SS	3	RH	48- <b>825862A47</b>

### MerCruiser TRS - Standard (Aluminum)

255 & 280 Hp Only

NLA = 48-66141A4, 48-66143A4, 48-66145A4, 48-66147A4

Thrust Hub 56292A4 Tab Washer 14-816629 Washer 12-31211A3 Nut 11-52707Q1

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
65480A 4	14-1/2	25C	AL	3	RH	N.L.A.
79580A 4	14-1/2	25C	AL	3	RH	N.L.A.
78126A40	13-3/8	25C	AL	3	RH	N.L.A.
67874A 4	15	23C	AL	3	RH	48-832834A45
79578A 4	15	23C	AL	3	RH	48-832834A45
78124A40	13-1/2	23C	AL	3	RH	48-832834A45
65992A 4	15-1/4	21C	AL	3	RH	48-832832A45
79576A 4	15-1/4	21C	AL	3	RH	48-832832A45
78122A40	13-3/4	21C	AL	3	RH	48-832832A45
66432A 4	15-1/2	19C	AL	3	RH	48- 11324A45
11324A45	15-1/2	19C	AL	3	RH	AVAIL.
79574A 4	15-1/2	19C	AL	3	RH	48- 11324A45
11324A45	15-1/2	19C	AL	3	RH	AVAIL.
78120A40	14	19C	AL	3	RH	48-832830A45
66450A 4	16	17C	AL	3	RH	48- 16440A45
79572A 4	15-3/4	17C	AL	3	RH	48- 16440A45
78118A40	14-1/2	17C	AL	3	RH	48- <b>832828A45</b>
832828A45	14-1/2	17C	AL	3	RH	AVAIL.
16440A40	16	16C	AL	3	RH	48- 16440A45

#### MerCruiser II

NLA = 48-54352A1, 48-54352A4, 48-54353A1, 48-54353A4, 48-53496A1, 48-53496A4, 48-53497A1, 48-53497A4, 48-49978A1, 48-49978A4, 48-49979A1, 48-49979A1, 48-49979A4, 48-49979A1, 48-49979A1, 48-49979A1, 48-33238A1, 48-33238A1, 48-33238A4, 48-4997AA1, 48-4997AA1, 48-4997AA1, 48-4997AA1, 48-33238A1, 48-33238A1, 48-33238A1, 48-33238A1, 48-4997AA1, 48-499AA1, 48-49AA1, 48-49A1,

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
	19-1/2	21	AL	3	RH	AVAIL.
	19-3/4	19	AL	3	RH	AVAIL.

### MerCruiser III

NLA = 48-47691A1, 48-47691A4, 48-47692A1, 48-47692A4, 48-47693A1, 48-47693A4, 48-47694A1, 48-47694A4, 48-47695A4, 48-47696A4, 48-47697A1, 48-47697A4, 48-47698A1, 48-47698A4, 48-47699A4, 48-47700A4, 48-47707A4, 48-47702A1, 48-47702A4, 48-4770

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
47707A 1	19-1/4	25	AL	3	LH	N.L.A.
47708A 1	19-1/4	25	AL	3	RH	N.L.A.
47705A 1	19-3/4	23	AL	3	LH	N.L.A.
47704A 1	20	21	AL	3	RH	N.L.A.
47699A 1	20	17	AL	3	LH	N.L.A.
47700A 1	20	17	AL	3	RH	N.L.A.
47695A 1	20	13	AL	3	LH	N.L.A.
47696A 1	20	13	AL	3	RH	N.L.A.
47704A10	20	21	AL	3	RH	N.L.A.

# HISTORICAL PROPELLER CHARTS

Part No.	Diameter	Pitch	Material	Blades	Rotation	Status or Supersession
47708A10	19-1/4	25	AL	3	RH	N.L.A.
47707A10	19-1/4	25	AL	3	LH	N.L.A.
47699A10	20	17	AL	3	LH	N.L.A.
47700A10	20	17	AL	3	RH	N.L.A.
47695A10	20	13	AL	3	LH	N.L.A.
47696A10	20	13	AL	3	RH	N.L.A.

# PROPELLER HARDWARE AND ACCESSORIES

# **HUB CROSS-REFERENCE CHART**

# Mercury Rubber Hub Cross-Reference Chart

Application	Name	Hub Style	Hub or Sleeve P/N	Thrust Washer	Aft Washer / Sheer Pin	Nut	Cotter Pin	Nut Kit
Mercury/Mariner 2.5-3.5 HP FourStroke	Flo-Torq I	Rubber	N/A	N/A	17-815111Q02	N/A	18- 95295	N/A
Mercury/Mariner 4-6 HP FourStroke	Flo-Torq I	Rubber	N/A	16145Q01	12- 16146	11- 16147	18-815026	N/A
Mercury/Mariner 8-9.9 HP(2005 and Newer)	Flo-Torq I	Rubber	897453T	8M0131240	12- 16146	11- 16147	18-815026	803743Q02
Mercury/Mariner 6-15 HP 2-Stroke, 9.9 HP FourStroke (1995-2004), 15 HP FourStroke (Thru 2007)	Flo-Torq I	Rubber	827598T			11-40140	N/A	11- <b>13914Q02</b>
Mercury/Mariner 9.9 HP BigFoot, ProKicker (2005 and Newer) 15-20 FourStroke (2007 and Newer)	Flo-Torq I	Rubber	8M0054769	803743	12- 16140 2	11- 16147 1	18-815026 4	803743Q01
Mercury/Mariner 20/25 HP 2-Strokes (1980-2006), 9.9 & 15 HP BigFoot (1999-2004)	Flo-Torq I	Rubber	19669T	858498	N/A	11-40119 12	N/A	11- <b>40119</b> Q02
Mercury/Mariner 25-30 HP FourStrokes (2006 and Newer)	Flo-Torq I	Rubber	897001T	16145 2	12- 16140 2	11- 16147 1	N/A	13914Q03
Mercury/Mariner 25 HP BigFoot, 30 HP 2- Strokes, 40-60 HP 2- Strokes and FourStrokes excluding BigFoot(1977 and Newer)	Flo-Torq I	Rubber	43676T	73345A 1	14- <b>76281Q</b>	11- 69578Q 1	N/A	11- 31990Q02
Mercury/Mariner 40-60 BigFoot FourStrokes with Silver (A33) Propellers	Flo-Torq I	Rubber	859173	12- <b>835467Q01</b>	12- 31211Q03	11- 52707Q 1	N/A	11-827614Q01

# **FLO-TORQ II APPLICATION CHARTS**

# Mercury/Mariner/Force & MerCruiser Sterndrive

Application	Flo-Torq Hub Kit	Forward Trust Washer	Drive Sleeve	Bushing	Aft Adaptor	Aft Spacer/ Washer	Nut	Cotter Pin
Mercury 75 2 Stroke 1984 & Newer, 90 & 115 2 Stroke 1978 & Newer, 125 HP 1994 & Newer, Verado	835257Q 1	12 <b>-835467Q01</b>	835290Q 1	N/A	826074Q 1	8M0042130	11- <b>52707Q 1</b>	N/A

Application	Flo-Torq Hub Kit	Forward Trust Washer	Drive Sleeve	Bushing	Aft Adaptor	Aft Spacer/ Washer	Nut	Cotter Pin
200-300 HP, Alpha & Bravo 1 Sterndrives								
Force 75 1999, 90-150 1995 and Newer	835257Q 1	12-835467Q01	835290Q 1	N/A	826074Q 1	8M0042130	11- 52707Q 1	N/A
Mercury 40-60-HP BigFoot and 90-115 4 Stroke	835257Q 9	12-835467Q01	881940Q 1	N/A	8M0061986	8M0042130	11- 52707Q 1	N/A
Mercury Verado 135-175 (Flo-Torq IV)	835257Q10	12-835467Q01	896233Q01	N/A	8M0061986	8M0042130	11- 52707Q 1	N/A
Mercury V-6 For Use With Surfacing Propellers; Tempest Plus, Trophy Plus, & Fury	835257Q 6	12-835467Q01	835290Q 1	23-856163Q 1	826074Q 1	8M0042130	11- 52707Q 1	N/A
Mercury Racing Choppers & Cleavers for V-6 Outboards	835258Q 1	12-835467Q01	850821Q11	N/A	826074Q 1	8M0042130	11- 52707Q 1	N/A
Mercury 400+ Bravo I	835258Q 2	12-835467 5	850821Q2	849501	826074Q 1	8M0042130	11- <b>52707Q</b> 1	N/A
Verado 350 SCI, Mercruiser XZ and XR Racing Sport and Torque Master (1.25 Shaft)	840389Q06	N/A	N/A	N/A	N/A	N/A	N/A	N/A

# Yamaha Flo-Torq

Application	Flo-Torq II Hub Kit	Forward Trust Washer	Drive Sleeve	Bushing	Aft Adaptor	Aft Spacer/ Washer	Nut	Cotter Pin
Yamaha 115, 130 HP 1984 and newer	835271Q 2	12-853948T	835290Q 1	N/A	826074Q 1	12-850076	859939	18- 47959
Yamaha 50-100 HP	835272Q 1	12-853555	835290Q 1	N/A	826074Q 1	12-850076	859939	18- 47959
Yamaha 150-300 HP 4-Strokes, Including SHO	835274Q 1	12-853948T	835290Q 1	N/A	826074Q 1	12-887972	859939	18- 47959
Yamaha 150-300 HP 2-Strokes, HPDI, VMAX and 130-300HP Sterndrives	835271Q 2	12-853948T	835290Q 1	N/A	826074Q 1	12-850076	859939	18-47959
Yamaha 200-250 HP VMAX SHO 4-Strokes	8M0075402	23-8M0064826	835290Q 1	23-856163Q 1	826074Q 1	12-887972	859939	18- 47959

# Evinrude/Johnson/OMC & Volvo SX Flo-Torq

Application	Flo-Torq II Hub Kit	Forward Trust Washer	Drive Sleeve	Bushing	Aft Adaptor	Aft Spacer/ Washer	Nut	Cotter Pin
Evinrude/Johnson V-4	835266Q 1(1)	859915	835290Q1(Delrin)	N/A	834839Q	N/A	859929	18-89961
Johnson 90-115 HP 4-Stroke	835283Q 1	12-888939	835290Q1(Delrin)	N/A	826074Q 1	12-887972	859939	18- 47959
Johnson 140 HP 4- Stroke Outboard	835283Q 2	12-835467008	835290Q1(Delrin)	N/A	826074Q 1	12-887972	859939	18- 47959
Evinrude/ Johnson/OMC Stern Drives V-6, V-8 1991 & Newer	8M0119081	12-835467008	835290Q1(Delrin)	N/A	834839Q	Included with Nut		Included with Nut
Evinrude/Johnson 250 V-6 2002 & Newer	8M0119081	12-835467008	835290Q1(Delrin)	N/A	834839Q	Included with Nut		Included with Nut
Evinrude/ Johnson/OMC Stern Drives V-6, V-8/ 1990 & Older	8M0119082	12-835467Q01	835290Q1(Delrin)	N/A	834839Q	Included with Nut		Included with Nut
OMC Cobra SX/Volvo SX 1994 & Newer (19 tooth spline)	8M0119083	12-835467008	835290Q1(Delrin)	N/A	850330Q	879143		Included with Nut

<sup>(1)</sup> Use hub kit only with Quicksilver small labyrinth seal propellers: QA2202X thru QA2208X, QA 3828X thru QA3832X and QS5136X thru QS5144X.

### Honda Flo-Torq

Application	Flo-Torq II Hub Kit	Forward Trust Washer	Drive Sleeve	Bushing	Aft Adaptor	Aft Spacer/ Washer	Nut	Cotter Pin
Honda 75-90 HP 1999 & Newer, 115-130 HP All YRS.	835279Q 2	12-853359	835290Q1(Delrin)	N/A	826074Q 1	8M0042130	11- <b>52707Q 1</b>	N/A
Honda 75-90 HP thru 1998	835277Q 1	12-835467Q01	835290Q1(Delrin)	N/A	826074Q 1	8M0042130	11- <b>52707Q 1</b>	N/A
Honda 135-250 HP 4- Stroke	835278Q 1	12-888451	835290Q1(Delrin)	N/A	826074Q 1	12-887972	859939	18- 47959

## Suzuki & Tohatsu/Nissan Flo-Torq

Application	Flo-Torq II Hub Kit	Forward Trust Washer	Drive Sleeve	Bushing	Aft Adaptor	Aft Spacer/ Washer	Nut	Cotter Pin
Suzuki 60 HP 4- Stroke (1998 and newer), 70 HP 4- Stroke (1998-2008), 75-140 HP 2-Stroke	835282Q 1(1)	12-854621	835290Q 1	N/A	834839Q	12-887972	859939	18- 47959
Suzuki 70-90 HP (2009 and newer)	835283Q03	12-8M0042329	835290Q 1	N/A	826074Q 1	12-887972	859939	18- 47959
Suzuki 90-115 HP 4- Stroke (2001-2008)	835283Q 1	12-888939	835290Q 1	N/A	826074Q 1	12-887972	859939	18- 47959
Suzuki 140 HP 4- Stroke, 100-115 HP 4-Stroke (2009 and newer)	835283Q 2	12-835467008	835290Q 1	N/A	826074Q 1	12-887972	859939	18- 47959
Suzuki 150-300 HP	835281Q 1	12-853359	835290Q 1	N/A	826074Q 1	12- <b>31211Q03</b>	859939	18- 47959
Tohatsu/Nissan 60-140 HP	835284Q 1	12-853948T	835290Q 1	N/A	826074Q 1	12- 16140	11- 16147	18-815026

<sup>(1)</sup> Use hub kit only with Quicksilver small lybrinth seal propellers: QA2202X thru QA2208X, QA 3828X thru QA3832X and QS5136X thru QS5144X.

# **FLO-TORQ REFLEX HUB KITS**

### FLO-TORQ REFLEX HUB KIT QUICKSILVER



#### 835257Q12

Kit includes: Forward thrust washer, Reflex drive sleeve (8M0047148), Aft Washer and Prop Nut (8M0045381).

And Prop Nut (6M0049381).

Mercury/Mariner 40-60 HP FourStroke (not CT/BigFoot), 30 HP FourStroke 1994-2005, 30-60 HP 2-Stroke 1977 and newer, 25 HP CT/BigFoot, 55 HP SeaPro/Marathon, Yamaha 40-60 HP (Excluding 50T and 60T), Honda 40-50 HP with separately purchased 8M0046466 Thrust Washer, Suzuki 35-60 HP with separately purchased 8M0088039 Thrust Washer, Tohatsu 35-50 hp with separately purchased 8M0053074 Thrust Washer

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### **DRIVE SLEEVE**

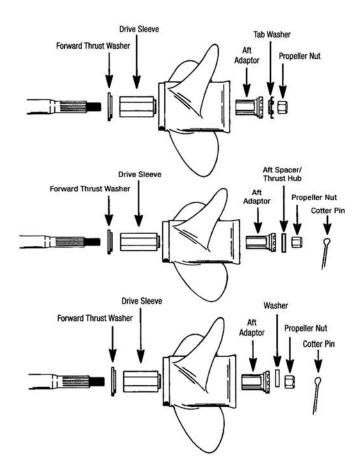


8M0047148

Plastic drive sleeve Flo-Torq Reflex Composite Drive Sleeve

# FLO-TORQ II, III, IV & HD HUB KITS

Quicksilver Propellers can improve improve performance of any Boat. Use the following Flo-Torq II chart for proper hardware selection.



#### FLO-TORQ II HUB KIT MERCURY



835257Q 1

835467 1 879637 Forward thrust washer Plastic drive sleeve Aft adapter with tab washer 826074Q1

Prop nut

Mercury/Mariner 40-60 HP CT/Bigfoot, 70-250 HP, Force 90-120, Verado 150-300, MerCruiser Alpha, Alpha One & Bravo One (under 400 HP)

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT WITH BUSHING MERCURY



#### 835257Q 6

835467 1 Forward thrust washer 879637 Plastic drive sleeve 856163 1 Bushing 826074Q1 Aft adapter with tab washer

827614 1 Prop nut

Typically used with high speed surface piercing applications. Propellers used in these applications are the Mercury Fury, Fury 4, Tempest, Rev 4, Bravo I and Quicksilver Torrent and Q4.

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ III HUB KIT MERCURY



#### 835257Q 9

835467 1 Forward thrust washer 881940A 1 Drive sleeve assembly 8M0061986 Aft adapter with tab washer

827614 1 Prop nut

Flo-Torq III 40-60 HP FourStroke CT/Bigfoot, 75-115 HP, 90/115 CT FourStroke and Opti-Max (Aluminum or Stainless steel props, reduces rattle) Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ IV HUB KIT MERCURY



#### 835257Q10

835467 1 Forward thrust washer 896233A01 8M0061986 Drive sleeve assembly Aft adapter with tab washer 827614 1 Prop nut

Flo-Torq IV hub kit for Mercury 150 4-stroke and Verado L4SC 135-200 HP (Aluminum or Stainless steel props, reduces prop rattle). Quicksilver Branded, Hanging Box Point of Sale Packaged.

Quicksilver Branded

### FLO-TORQ II SOLID HUB KIT



#### 835258Q 1

Kit contains: Forward thrust washer (hardened), Steel (3 7/8 in.) drive sleeve, Aft adapter, Tab Washer & Prop nut

For use with Chopper, Cleaver, Lightning ET, Pro ET & old style Bravo I (with MerCruiser logo) propellers.

Quicksilver Branded, Hanging Box Point of Sale Packaged.

#### FLO-TORQ II SOLID HUB KIT



#### 835258Q 2

Kit contains: Forward thrust washer (hardened), Steel (3 5/8) drive sleeve, Aft adapter, Tab washer & Prop nut

Standard length hub for use with Fury, Tempest Plus, Mirage Plus, REV 4, Trophy Plus, Bravo I & Maximus propellers (Bravo One Sterndrive 400HP+, 1" prop shaft). Quicksilver Branded, Hanging Box Point of Sale Packaged.

# MERCURY FLO-TORQ SSR SOLID



#### 8M0101602

For use with Mercury/Mariner outboards with a 1" propeller shaft. Mercury Branded, Hanging Box Point of Sale Packaged.

#### QUICKSILVER FLO-TORQ SSR HD



### 8M0101603

840383A 2 Prop nut & washer kit

For use with Mercury/Mariner outboards with a 1.25" propeller shaft. 225-250 HP Pro XS with Torque Master II gearcase, 300 and 350 HP Verado with 5.44" HD gearcase, and Verado 400R

Quicksilver Branded

### FLO-TORQ II HD SOLID HUB KIT MERCURY



#### 840389Q06

840382A02 840383A 2 8M0142084 Black snubber strip replacement kit Prop nut and washer kit HD Prop Hub Bushing Kit

For use with HD (Heavy Duty) 1.25" propshaft when installed on Sport Master, Torque, Torque II, HD Fleet Master, Verado 5.25" outboard gearcases, MerCruiser Bravo One XR or XZ, Sport Master, shorty Sport Master and Sport sterndrives. Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT HONDA



#### 835277Q 1

835467 1 Forward thrust washer 879637 Plastic drive sleeve 826074Q1 Aft adapter with Tab Washer 827614 1 Prop nut

Honda outboards (75-90 HP thru 1998)

Quicksilver Branded, Hanging Box Point of Sale Packaged.

## FLO-TORQ II HUB KIT HONDA



#### 835279Q 2

853359 Forward thrust washer 879637 Plastic drive sleeve 826074Q 1 Aft adapter 887972 Washer

859939 Prop Nut 88961 Cotter pin

Honda outboards (75-90 HP 1999-present, 115-130 HP) Quicksilver Branded, Hanging Box Point of Sale Packaged.



### FLO-TORQ II HUB KIT HONDA



#### 835278Q 1

888451 Forward thrust washer 879637 826074Q1 Plastic drive sleeve Aft adapter 887972 Spacer 859939 Nut

89961 Cotter Pin

Honda 135, 150, 200, 225 and 250 HP 4-Stroke. Can be used with Mercury Racing propellers.

#### FLO-TORQ II HUB KIT EVINRUDE E-TEC G2



#### 8M0107220

8M0107491 Forward thrust washer 879637 Plastic drive sleeve 826074Q1 Aft adapter 8M0107489 Prop Nut 89961 Cotter pin

Evinrude E-TEC G2, 2014 AND NEWER

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT EVINRUDE & JOHNSON



## 835266Q 1

859915 Thrust washer 879637 Plastic drive sleeve 834839Q 859929 Aft adapter Nut 89961 Cotter pin

Evinrude & Johnson outboards (V-4 gearcase, 1968-present). For use with

propellers that have cut down labyrinth seal.

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### **FLO-TORQ II HUB KIT**



#### 835283Q 1

888939 879637 826074Q1 Fwd thrust washer Plastic drive sleeve Aft adapter 887972 Washer 859939 Nut 89961 Cotter Pin

Johnson & Suzuki 90-115 HP 4-Stroke O/B

Quicksilver Branded, Hanging Box Point of Sale Packaged.

#### FLO-TORQ II HUB KIT SUZUKI



### 835283Q 2

835467 1 Fwd thrust washer 879637 826074Q1 Plastic drive sleeve Aft adapter 887972 Washer 859939 Nut Cotter Pin 89961

Johnson & Suzuki 140 HP 4-Stroke O/B

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT SUZUKI



#### 835282Q 1

854621 Fwd thrust washer 879637 834839Q Plastic drive sleeve Aft adapter 854621 Washer 859939 Nut 89961

Suzuki 60 HP 4-Stroke (1998 and Newer) 70 HP 4-Stroke (1998-2008) 75-140 HP 2-Stroke

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT SUZUKI



#### 835281Q 1

853358 Fwd thrust washer 879637 Plastic drive sleeve 826074Q1 Aft adapter 31211A3 Washer

859939 Nut 89961 Cotter Pin

Suzuki 150-225 HP 2-Stroke Outboards and 150-250 HP 4-Stroke Outboards. Can be used with Mercury Racing propellers.

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT SUZUKI



#### 835283Q03

 8M0042329
 Fwd thrust washer

 879637
 Plastic drive sleeve

 826074Q1
 Aft adapter

 887972
 Washer

 859939
 Nut

 89961
 Cotter Pin

Suzuki 70-90 HP 2009 and Newer

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT TOHATSU



### 835284Q 1

853948 Fwd thrust washer 879637 Plastic drive sleeve 826074Q1 Aft adapter 16140 Washer 16147 Nut 815026 Cotter Pin Tohatsu/Nissan (70C, 90-140 HP)

Quicksilver Branded, Hanging Box Point of Sale Packaged.

# FLO-TORQ II HUB KIT EVINRUDE, JOHNSON AND OMC



#### 8M0119081

835467008 Forward thrust washer 879637 Plastic drive sleeve Aft adapter 8M0107489 Nut 89961 Cotter Pin 8M0118201 Washer Spacer

Evinrude/Johnson outboards and OMC stern drive (V6 & V8 gearcase, 1991 and newer including 150+ hp outboards and 2003 V6 with cresent gearcase. Caution! When installing stainless steel propellers, remove the anode to bearing carrier and check clearance before operation. Will not work with the OMC Cobra.

Quicksilver Branded, Hanging Box Point of Sale Packaged.

#### FLO-TORQ II HUB KIT EVINRUDE, JOHNSON AND OMC



#### 8M0119082

835467 1 Forward thrust washer 879637 Batte Crive sleeve Aft adapter 8M0107489 Nut Washer Spacer 89961 Cotter pin

Evinrude/Johnson, OMC stern drives (V-6 & V-8 gearcase, 1984-1990). Caution! When installing stainless steel propellers, remove the anode to bearing carrier and check clearance before operation.

Quicksilver Branded, Hanging Box Point of Sale Packaged

### FLO-TORQ HUB KIT OMC COBRA / VOLVO SX



### 8M0119083

835467 Forward thrust washer 879637 Plastic drive sleeve 850330Q Aft adapter 8M0107489 Nut 89961 Cotter Pin

89961 Cotter Pin 8M0118204 Washer Spacer

OMC Cobra an Volvo SX stern drive 19-tooth spline 1996 & Newer. Caution! When installing stainless steel propellers, remove the anode to bearing carrier and check clearance before operation.

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT YAMAHA



#### 835272Q 1

853555 Forward thrust washer 879637 Plastic drive sleeve 826074Q1 Aft adapter 850076 859935 Spacer Nut 89961 Cotter Pin

Yamaha outboards (50-100 HP, splined forward thrust washer) Quicksilver Branded, Hanging Box Point of Sale Packaged.

#### FLO-TORQ III HUB KIT YAMAHA



#### 835272Q09

Forward thrust washer 853555 881940A 1 Drive Sleeve Assembly 8M0061986 Aft adapter

850076 Spacer 859939 Nut Cotter Pin 89961

Yamaha outboards (50-100 HP, splined forward thrust washer) Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT YAMAHA



#### 835271Q 2

853948 Forward thrust washer 879637 Plastic drive sleeve 826074Q1 Aft adapter 850076 859939 Spacer Nut

Cotter Pin Yamaha 150-300 HP HPDI 2-stroke outboards using a one piece thrust washer and all Yamaha stern drives

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT YAMAHA



#### 8M0075402

8M0064826 Forward thrust washer 879637 826074Q1 Plastic drive sleeve Aft adapter 887972 Spacer 859939 Nut 89961 Cotter Pin

115-250 HP VMAX SHO 4 stroke outboards using a two piece thrust washer.

Use part number 835274Q1 if OEM hub uses single piece thrust washer

Quicksilver Branded, Hanging Box Point of Sale Packaged.

#### FLO-TORQ IV HUB KIT YAMAHA



#### 835271Q09

853948 Forward thrust washer 896233A01 Drive Sleeve Assembly

8M0061986 Aft adapter 850076 Spacer 859939 Nut 89961 Cotter Pin

Yamaha outboards & stern drives (V-4 & V-6 gearcase, 1980-present), excluding the four stroke 225EFI.

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### FLO-TORQ II HUB KIT



### 835274Q 1

853948 1 Forward thrust washer 879637 Plastic drive sleeve 826074Q1 887972 Aft adapter Spacer Nut 859939 89961 Cotter Pin

150-300 HP 4 stroke outboards and 115-250 VMAX SHO outboards using OEM single piece thrust washer

Use p/n 8M0075402 for 115-250 VMAX SHO outboards using OEM two piece

Quicksilver Branded, Hanging Box Point of Sale Packaged.

#### **DRIVE SLEEVE**



835290Q 1
Plastic drive sleeve Flo-Torq II
Quicksilver Branded, Hanging Box Point of Sale Packaged.

#### **DRIVE SLEEVE**



# 881940Q 1 Flo-Torq III Spring Drive Sleeve

For use with 40 - 60 BigFoot, 75 - 115 HP FourStroke outboards (Reduce proprattle)

### **DRIVE SLEEVE**



### 896233A01

Flo-Torq IV Spring Drive Sleeve

For use with Verado L4SC 135-175 HP (Aluminum or Stainless steel props, reduces prop rattle).

### **HUB ASSEMBLY WITH SLEEVE**



#### 850821Q11

Long, (3 7/8") with bushing (849501-1), included in steel hub kits Stainless steel drive sleeve for A45/A55 P/N suffix (400 HP+) for use with Chopper, Cleaver, Lightning ET, Pro ET & Bravo I (with MerCruiser logo) propellers. Used with Mercury and selected Yamaha propshafts.

Quicksilver Branded, Hanging Box Point of Sale Packaged.

### **HUB ASSEMBLY WITH SLEEVE**



#### 850821Q12

Short, (3 5/8") with bushing (849501-1), included in steel hub kits Stainless steel drive sleeve for A46/A47/A56 P/N suffix (400 HP+). Standard length hub for use with Tempest Plus, Mirage Plus, REV 4, Trophy Plus, Bravo I & Maximus propellers (Bravo One Sterndrive 400HP+, 1" prop shaft). Used with Mercury and selected Yamaha propshafts.

Quicksilver Branded, Hanging Box Point of Sale Packaged

### AFT ADAPTER WITH TAB WASHER



#### 826074Q 1

Adapter for use with Flo-Torq II plastic Drive Sleeve (15 Spline)
Kit contains: 8M0042201 (aft adapter) & 8M0042130 (tab washer)
Mercury 40 BigFoot - 250 HP outboards & MerCruiser Alpha and Bravo One
Sterndrives, Honda 75 - 225 HP, Suzuki 90 - 140 4-stroke & 150 - 225 HP,
Tohatsu/Nissan 40 - 140 HP, Yamaha 50 - 225 HP outboards (1" prop shaft).
Quicksilver Branded, Hanging Box Point of Sale Packaged.

### **AFT ADAPTER WITH TAB WASHER**



#### 8M0061986

Kit contains 8M0115120 (aft adapter) & 8M0042130 (tab washer)
Drive sleeve for use with Flo-Torq III and IV. (15 Spline) Includes pin style tab
washer

### **AFT ADAPTER**



834839Q

Adapter OMC, Suzuki V-4 (Flo-Torq II) 13 spline

### **AFT ADAPTER**



834899Q

Adapter OMC V-6, V-8 outboard (Flo-Torq II) 15 Spline

### **AFT ADAPTER**



850330Q

Adapter Volvo SX, 19 spline (Flo-Torq II)

# **BUSHING - PROP HUB**



23-849501Q 1

Included in steel hub kits (Flo-Torq II)

### **BUSHING - PROP HUB**



### 23-856163Q 1

Forward bushing for Flo-Torq II drive sleeve

Typically used for Tempest Plus, Trophy Plus, Revolution 4 & Bravo 1 in a surface piercing application with Flo-Torq II.

Note, this bushing is included in Flo-Torq kit # 835257K6 / 835257Q 6.

### **BUSHING**



#### 23-823516

Blade bushing Power 2 shifting prop Priced individually, sold @ multiples of 6

# PROP BUSHING



### 23-822974

Prop Bushing.

Fits Mercury Racing Six and M8 Drive (thin wall).

### **PROP BUSHING**



## 23-8M0108472

For Mercury Racing Cleavers with 1.25" propshaft.

### **HD/SSR HUB BUSHING RETAINER KIT**



#### 8M0142084

For use with Mercury Racing 1.25 inch HD Hub and SSR HD Hub.

#### PROP EXHAUST SEAL RING



#### 878421

Will reduce ventilation when using Trophy Plus on a V-6 gearcase (prevents over/ under exhaust).
Recommended on 200- 275 Verado when using Trophy Plus.

### **VENT CONTROL RING**



## 8M0086395

Reduces ventilation when used with Pro Max propellers on 4.8" gearcase; also recommended to use on the Mercury 150 FS and 75 - 115 CT with Trophy Plus propellers. The vent control ring allows minimal exhaust to flow between gearcase and ring during planing. Place the ring chamfer side up on the floor, press the propeller into the ring.

#### RETAINING RING



53-822975

For Mercury Racing Six and M8 Drive prop bushing 822974.

53-8M0108475

For Mercury Racing Outboard Cleavers with 1.25" propshaft, bushing 8M0108472.

### **PROP REVERSE KIT**



#### 822559Q01

Prop reverse kit (6-15 HP 2-Stroke) Priced individually, sold @ multiples of 2

#### **SNUBBER STRIP KIT**



#### 840382A02

Snubber strips and double sided tape. For use with Mercury Racing HD Hub Kit (840389Q06).

### **ANODES**

### **PROP NUT ANODE KIT**



#### 809664A 1

1-1/8 in. Shaft, 3/4 in. NF 16

Fits Mercury/Mariner 70 hp and higher outboards (except 225 EFI FourStroke); Also fits MC-I, R, MR, Alpha, Bravo One & TRS sterndrives (1970 & newer)

### **PROP NUT ANODE KIT**



### 809666A02

Aluminum, For use in saltwater or freshwater. 1-3/8 in. Shaft, 1 in. NF 14

Fits Bravo III drives (s/n 0M179451 and below)

#### 809666A03

Magnesium, For use in freshwater only. 1-3/8 in. Shaft, 1 in. NF 14

Fits Bravo III drives (s/n 0M179451 and below)

### REPLACEMENT PROP NUT ANODE



2 in. Aluminum Anode Shell Replacement Shell for 809662A 1

### REPLACEMENT PROP NUT ANODE



809666T 2-5/16 in. Aluminum Anode Shell Replacement Shell for 809666A 1and 809666A02

### REPLACEMENT PROP NUT ANODE



809670T 2-1/2 in. Aluminum Anode Shell Replacement Shell for 809670A 1

## ANODIC PLATE



76214Q 5

Aluminum
Provides additional clearance for high rake propellers.

Fits Mercury/Mariner 35-300hp, Force 90 & 120hp 1995 and newer, MerCruiser Alpha One Gen II and Bravo I, II, III, X XR & XZ drives.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **DIFFUSER RINGS**

### **DIFFUSER RING**



87715T Mercury 20-25 HP (current product)

# **DIFFUSER RING**



Mercury/Mariner 25 (4-Stroke), 30-60 HP, Force 40-75 HP

# **DIFFUSER RING**



Mercury/Mariner 41/4" gearcase current Black Max (75-125 HP)

### **DIFFUSER RING**



45676T

Mercury/Mariner V-6, Alpha, Bravo I & TRS (current 43/4" gearcase propellers)

### **DIFFUSER RING**



54737T

MerCruiser Bravo II

### **DIFFUSER RING**



42594T

OMC 9.9 - 15 HP

# **PROP NUT KITS**

### **PROP NUT KIT**



### FA94094-2

819883 Prop nut 18-89961 Cotter pin 25-20195 O-Ring Force 30, 40, 50

### **PROP NUT KIT**



### 11-817752A 1

820100 Prop nut 18-45882 Cotter pin Force 4, 5, 7.5 & 15

### **PROP NUT KIT**



#### 11-13914Q02

821932 1 Thrust washer, 23-42091 1 Spacer, 11-40140 Prop nut Mercury/Mariner 6-15 HP 2-cycle, 9.9 hp FourStroke (1994-2004), 15 hp FourStroke (1994-2006), Force 9.9/15 hp 2-cycle 1998 & newer. Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### **PROP NUT KIT**



# 13914Q03

Prop nut, thrust hub, cotter pin & washer Fits the Mercury/Mariner 25 & 30 hp. EFI FourStroke outboards beginning with

Priced individually, sold @ multiples of 2

### **PROP NUT KIT**



#### 803743Q01

803743 THRUST HOLDER 12-16140 2 WASHER 11-16147 1 PROP NUT 18-815026 4 COTTER PIN

Fits the Mercury / Mariner 9.9 HP BF FS/ Pro Kicker, 15/20 HP FS  $\,$  (9.9 Big Foot Model Year 2005 and Newer) (15/20 HP FS 2007 and Newer).

Priced individually, sold @ multiples of 2

### **PROP NUT KIT**



#### 803743Q02

8M0070811 THRUST HOLDER 12-16146 WASHER 11-16147 PROP NUT 18-815026 1 COTTER PIN

Mercury / Mariner 8/9.9 HP FS, (Model Year 2005 and Newer)

Priced individually, sold @ multiples of 2

### PROP NUT KIT



### 11- 64075A 1

23-65439 Spacer 12-79552 Washer 11-61075(11-89103) Prop nut Mercury/Mariner 200 (old 20 HP)

### **PROP NUT KIT**



#### 11-40119Q02

858498 Front thrust washer, 11-40119 12 Prop nut Mercury/Mariner 18-25 HP (1980 to present) Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### PROP NUT KIT



# 11-69578Q 1

Kit includes a special locking nut and two tab washers.
For use on Mercury/Mariner 30-60 hp. outboard engines.
Priced individually, sold @ multiples of 2
Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### **HARDWARE KIT**



#### 8M0088039

Adapts 40-60 HP Black Diamond, Nemesis, and Silverado propellers with Flo-Torq Reflex Hubs to fit Suzuki 35-65 HP engines. Kit contains both forward and aft washers.

### HARDWARE KIT



#### 8M0053074

Adapts Mercury 30-60 HP Black Max, Trophy Sport & Vengeance propellers with Flo-Torq Reflex Hubs to fit Tohatsu 40-50 HP engines. Kit contains both forward and aft washers.

### **PROP NUT KIT**



#### 11-31990Q02

73345A1 Front thrust washer, 14-76281 Tab washer, 11-69578Q1 Prop nut Mercury/Mariner 30/40 HP (1989 to present), 50-60 HP (1991 to present, excluding Bigfoot), Force 40-50 HP (1995 & newer), Force 70 HP (1991 & newer), Force 75 HP (1996). Rubber hub propellers only. Purchase this hardware kit to complete install of a rubber hub propeller when propeller hardware is not included with engine.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **PROP NUT KIT**



#### 11-827614Q04

13191A1 Front thrust washer, 14-816629Q Tab washer, 11-52707Q1 Prop nut For Aft-Installed Rubber Hub Props: Fits Mercury/Mariner 70-140 (Inline 6 cyl. 1977 and newer), Mercury/Mariner 60 HP BigFoot and 75-125 HP (1987 & newer) 2-cycle outboards, Force 90-120 HP (1995 & newer) 2-cycle outboards. Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged

### PROP NUT KIT



### 11-827614Q01

12-835467 1 Front thrust washer, 13-42351 1 Continuity washer, 12-31211A3 Washer, 14-816629Q Tab washer, 11-52707Q1 Prop nut

Mercury/Mariner 70 HP+ (non Flo-Torq II) Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### **PROP NUT KIT**



#### 12-840383A 2

Kit includes locking prop nut, 1.5 in. washer, 1.5 in. cupped belleville washer & 1 13/16 in. spacer

For use with HD (Heavy Duty) 1.25" propshaft when installed on Sport Master, Torque Master I and II, Fleet Master and Verado 5.25" gearcase and MerCruiser Bravo One XR or XZ, Sport Master and shorty Sport Master Bravo I XR Sport sterndrives. Tighten propeller nut to 55 lb-ft (75Nm).

#### **PROP NUT KIT**



#### 11-8M0056234

Tab washer and Nut

Mercury/Mariner 75HP and up and Mercruiser Alpha and Bravo I sterndrives Quicksilver Branded, Clamshell Package Point of Sale Packaged.

#### 11-8M0056235

Tab washer and nut

Mercury outboards 75 HP and up and Mercuriser Alpha and Bravo 1 sterndrives Mercury Branded, Clamshell Package Point of Sale Packaged.

#### **PROP NUT KIT**



#### 11-52707Q 1

Kit includes a special locking nut and two tab washers.

For use on Mercury/Mariner 75 hp. and higher outboard engines (except 225 EFI FourStroke) and for use on MerCruiser Alpha One and Bravo I drives.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### **PROP NUT KIT**



#### 11-827614A 3

14359 Front thrust washer 12-31211A3 Washer

Bravo 1 (four blade stainless prop) & Mirage Plus (A50) solid hub (not Flo-Torq II)

### **PROP NUT KIT**



#### 802002Q 1

Fits all Johnson/Evinrude 20, 25, 30 & 35 HP 1976-2000 except 1991 25 HP DR, DE and DT International models.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### **PROP NUT KIT**



### 802010Q 1

Fits all Johnson/Evinrude 2 cylinder 40-60 HP 1974 and newer, and 3 & 4 cylinder 60-140 HP 1971 and newer. Fits Stinger 400 1978-1986, OMC Cobra 4 cylinder 1986-1989, and OMC Cobra 2.3 Liter 1990.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **PROP NUTS**

### **PROP NUT**



11-826711 12

Power 2 Shifting Prop

Priced individually, sold @ multiples of 2

#### **PROP NUT**



### 11-F7048

Force 60, 85-150 (single exhaust)
Priced individually, sold @ multiples of 2

# **PROP NUT**



### 11-826709 11

Mercury 3.9, 3.6, 39, 40, 60, 110 Priced individually, sold @ multiples of 5

### **PROP NUT**



## 11- 34933

7/16-20, nylon insert

For MCM inner transom studs and prop nut for Mercury 39, 60 (1968 & newer, 8 spline)

Priced individually, sold @ multiples of 10

### **PROP NUT**



#### 11- 1614

Fits Mercury 4 & 5 HP, and fits the 8/9.9 hp. FourStroke standard gearcase outboards (Model Year 2005 & newer).

### **PROP NUT**



### 11-40140

Mercury/Mariner 5-15 HP outboards using a Brass propnut with M10x1.5 threads and nylon insert.

Priced individually, sold @ multiples of 2

### **PROP NUT**



#### 11-88228

A special molded nylon propnut fitting the 18/20/25 Hp. 2-cycle Mercury/Mariner outboards (1980 & newer), and the F9.9/15, 323cc BigFoot FourStroke outboards. Priced individually, sold @ multiples of 2

### **PROP NUT KIT**



## 11- 64075A 1

23-65439 Spacer 12-79552 Washer 11-61075(11-89103) Prop nut Mercury/Mariner 200 (old 20 HP)

### **PROP NUT**



#### 1-40119 12

Mercury/Mariner 15/20/25 Hp. Lightning/SeaPro/Marathon outboards using a Brass propnut with M12x1.75 threads and nylon insert.

### **PROP NUT**



#### 11-46335

Mercury/Mariner 18-25 HP (1980-present)

### **PROP NUT**



# 11-862907

Bravo III (aft), Zeus (aft). Use 1-7/16 in. socket.

### **PROP NUT**



## 11-8M0105210

Bravo III (forward), Zeus (forward). Use prop wrench 91-805457T1.

919

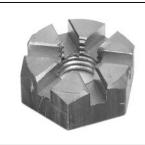
### **PROP NUT**



11-826711 27

12-39817 Prop washer
For use with Bravo II and Mercury Racing Six Drive

### **PROP NUT**



859929

OMC 40-140 HP V-4 (OEM P/N 314053)

#### **PROP NUT**



#### 859939

Suzuki DT 40-65, 75-115 HP V-4, V-6 (OEM P/N 09141-18005), Yamaha V-4 & V-6 (OEM P/N 90171-18M04-00), Honda 75-115 & FS200-225 HP (OEM P/N 90301-ZW1-B00)

# **SHEAR PINS**

### **SHEAR PIN KIT**



FA324101

17-820150 Shear Pin (3)18-45882 Cotter Pin Force 4-15 HP

### **SHEAR PIN**



#### 17-815111Q02

Fits the Mercury/Mariner/Force 2/2.5/3/3.3hp 2-cycle and 2/2.5/3.5hp FourStroke outboards. Visit the prop charts or parts catalogs for proper matching selections. Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **COTTER PINS**

### **COTTER PIN**



### 18-89961

1/8" X 1-1/4" Force 30, 40, 50

### **COTTER PIN**



## 18-815026

Fits Mariner 9.9C (682) 15C (684), and fits Mercury/Mariner 8/9.9 hp. FourStroke standard gearcase outboards (Model Year 2005 & newer).

Priced individually, sold @ multiples of 5

### **COTTER PIN**



### 18- 95295

Thruster (R, RL, RX, T series) Mariner 30 (689B) Priced individually, sold @ multiples of 5

# **SPACERS**

## **SPACER**



23- **42091 1** Mariner 9.9-15 HP

# SPACER



12-850076

Yamaha 60-250 HP, includes sterndrives (Flo-Torq II)

### **SPACER**



12- 29710

Cupped Washer, 40HP Big Foot - old V6 Priced individually, sold @ multiples of 3

# **SPACER**



12- 56355

Cupped Washer, Mercury/Mariner 30-60 HP Priced individually, sold @ multiples of 5

### **SPACER**



12-54738

Cupped Washer, Bravo II

### **SPACER**



12-55072

Cupped Washer, Bravo II

# **WASHERS**

### **WASHER**



# 12-31211Q03

Fits following product with rubber hub propellers (non-Flo-Torq II): Mercury/Mariner 135-275 (V-6, 2-cycle) and Alpha, Bravo I (w/o Flo-Torq II Hub).

Priced individually, sold @ multiples of 2

Quicksilver Branded, Peg Display Card Point of Sale Packaged.

### **WASHER**



### 12-20084

Mercury 39, 60, 110 (1967 & older, 6 spline) Priced individually, sold @ multiples of 5



12- 27025 Mercury 39, 60, 65, 110 Priced individually, sold @ multiples of 5

### **WASHER**



Fits Mercury 4 & 5HP, and fits the 8/9.9 hp. FourStroke standard gearcase outboards (Model Year 2005 & newer).

### **WASHER**



12-39701

Bravo I

# WASHER



Bravo II

12-55073A 2

### **WASHER**



12-39817

For use with Mercury Racing Six Drive prop shaft.

### **WASHER**



### 12-887972

#### Washer

Evinrude/Johnson V6 Outboards and Sterndrives 1991 and newer, Yamaha 150-300 HP 4-Stroke outboards and Honda outboards 75-225HP

Priced individually, sold @ multiples of 2

Quicksilver Branded

### **CONTINUITY WASHER**



13-42351 1

Mercury/Mariner 135-275 V-6, Alpha, Bravo I, (w/o Flo-Torq II Hub) Priced individually, sold @ multiples of 2

# **TAB WASHERS**

# **TAB WASHER**



### 14-76281

Fits Mercury/Mariner 30-60 hp. (non-Bigfoot) outboard engines. Priced individually, sold @ multiples of 5

### **TAB WASHER**



#### 8M0042130

For Mercury/Mariner 40-60 hp FourStroke BigFoot, 75-300 hp 2-stroke and 4-stroke outboards, Alpha and Bravo I sterndrives using a stainless steel two pin drive sleeve adapter.

#### **TAB WASHER**



#### 14-816629Q

For Mercury/Mariner 40-60 hp FourStroke BigFoot, 75-300 hp 2-stroke and 4-stroke outboards, Alpha and Bravo I sterndrives using a bronze drive sleeve adapter.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Peg Display Card Point of Sale Packaged.

# **TAB WASHER**



14- 34817

Bravo II

# THRUST WASHERS

### THRUST WASHER



803890T

Force 90-150 (dual exhaust)

### **THRUST WASHER**



#### 73345A 1

For use with 3 blade stainless steel - Cleaver or Chopper II Fits Mercury 40-60 Standard Gearcase. Use with rubber props only - do not use with Flo-Torq Reflex propellers.

#### THRUST WASHER



#### 16145Q01

Mercury 4-5 HP

Priced individually, sold @ multiples of 2

Quicksilver Branded, Peg Display Card Point of Sale Packaged.

# FORWARD THRUST WASHER



#### 8M0131240

Fits the standard prop on the Mercury/Mariner 8/9.9 hp. FourStroke standard gearcase outboards, Model Year 2005 & newer.

### THRUST WASHER



23-85964A 1

Mercury 200 (old 20 HP)

### **THRUST WASHER**



858498

For use with 3 blade stainless steel - Cleaver & Chopper II Fits Mercury 20-25

#### THRUST WASHER



#### 73345A 1

For use with 3 blade stainless steel - Cleaver or Chopper II
Fits Mercury 40-60 Standard Gearcase. Use with rubber props only - do not use with Flo-Torq Reflex propellers.

### THRUST WASHER



38859A 1

Mercury 350-700 (old 35-75 HP)

# THRUST WASHER



### 13191Q01

Flat type

Fits 75 - 125 hp outboards with rubber hub props Fits 40-60 hp FourStroke BigFoot Rubber Hub Chopper

Priced individually, sold @ multiples of 2

Quicksilver Branded, Peg Display Card Point of Sale Packaged.

### **THRUST WASHER**



14359

Mercury/MerCruiser A50 solid hub & Power 2

#### **THRUST WASHER**



#### 12-835467Q01

Fits the following product when used with Flo-Torq II hub propellers:

Fits the following product when used with Fio-1orq II Mercury/Mariner 40-60 hp BigFoot FourStroke Mercury/Mariner 75-125 hp 2-cycle and FourStroke Mercury/Mariner 135-275 hp 2-cycle Force 75 hp (1999) & 90-1150 hp (1995 and newer) Mercury MerCruiser Alpha and Bravo I sterndrives Evinrude/Johnson V-6 outboards 1990 and prior OMC sterndrives V-6 & V-8 gearcases 1984-1990 Honda 75-90 hp outboards 1998 and prior Suzuki 140 hp 4-stroke outboards

Caution should be exercised to assure the correct thrust hub is matched with the prop in use. Used with Flo-Torq II & III Delrin (plastic) hub kit propellers. Priced individually, sold @ multiples of 2

Quicksilver Branded, Peg Display Card Point of Sale Packaged.

### **THRUST WASHER**



### 12-835467 5

Front, included in steel hub kits Mercury/MerCruiser A55 & A56 solid hub applications (Flo-Torq II)

### THRUST WASHER



55074T Bravo Two (front)

### THRUST WASHER



805100

Bravo Three (front), Zeus (front)

### THRUST WASHER



805101T

Bravo Three (rear), Zeus (rear)

### THRUST WASHER



### 12-8M0046466

Adapts Mercury 30-60 HP Black Max, Trophy Sport & Vengeance propellers with Flo-Torq Reflex Hubs to fit Honda 40-50 HP engines.

### **THRUST WASHER**



#### 835278A 1

Adapts Mercury 30-60 HP Black Max, Trophy Sport & Vengeance Rubber Hub props to Honda 40-50 HP & Nissan/Tohatsu 40-50 HP

### **THRUST WASHER**



#### 12-853359

Honda 75-90 HP (1999-present), 115-130 HP (1998-present) Suzuki V-6 (Flo-Torq II Hub)

## THRUST WASHER



### 12-888451

Forward Thrust Washer Honda 135-225 HP outboards Quicksilver Branded

### **THRUST WASHER**



859915

OMC 45, 60, 70 HP V-4 (OEM P/N 127084/318841)

### **THRUST WASHER**



12-835467 7

OMC V-6, V-8 outboard, 1991-present (Flo-Torq II)

### THRUST WASHER



12-854621

Suzuki V-4 (Flo-Torq II)

### THRUST WASHER



12-853948T

Tohatsu/Nissan 75-140 HP (Flo-Torq II)

### THRUST WASHER



12-853555

Yamaha 60-90 HP (Flo-Torq II)

THRUST WASHER



23-8M0064826

Yamaha 200-250 SHO Adapts to Yamaha two piece thrust washer

# **TRIM TABS**

### **TRIM TAB**



31640Q4

Fits most Mercury/Mariner outboards 35 hp. & above and all MerCruiser except Bravo. Check for adequate propeller clearance prior to operation. Quicksilver Branded, Clamshell Package Point of Sale Packaged.

## **TRIM TAB ANODE**



#### 822777Q 1

Aluminum For applications where extra clearance is required for high rake propellers. Fits most Mercury/Mariner 35 hp and above, Force 90/120 (1995 and newer), and all Mercury MerCruiser engines.

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### **ANODIC PLATE**



#### 76214Q 5

Aluminum

Provides additional clearance for high rake propellers.

Fits Mercury/Mariner 35-300hp, Force 90 & 120hp 1995 and newer, MerCruiser Alpha One Gen II and Bravo I, II, III, X XR & XZ drives.

Priced individually, sold @ multiples of 2

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

# **RUBBER HUBS**

### **RUBBER HUB**



### 819429A 1

Rubber Hub Force 35-90HP (pre-1998)

### **RUBBER HUB**



### 8M0054769

Rubber Hub Mercury/Mariner 9.9 BF, 15/20HP 4Stroke 9.9HP Bigfoot Model Year 2005 and Newer 15/20HP Model Year 2007 and Newer

#### 897453T

Rubber Hub Mercury/Mariner 8-9.9 HP FourStroke 2005 and Newer

### **RUBBER HUB**



#### 897001T

Rubber Hub Mercury/ Mariner 25/30HP 4-Stroke Model Year 2006 and Newer

### **RUBBER HUB**



42630 1 2-3/16" long, 8 splines Mercury 7.5 & 9.8 HP (1968-84)

### **RUBBER HUB**



## 827598T

Mercury 9.9-15 HP 2-Stroke, 9.9 HP FourStroke 1995-2004, 15 HP FourStroke (Thru 2007)

# **RUBBER HUB**



#### 43549

Nut on aft end of hub 3-3/4" long, 10 splines, 1-3/8" cavity size Mercury 18-25 HP (1980-1988)

### **RUBBER HUB**



**19669T** Mercury 20-25 HP

### **RUBBER HUB**



Mercury 40-60 HP BigFoot Engines 15 Tooth Spline 60HP Maximum

### **RUBBER HUB**



**92418**Mercury 28, 28A, 200, 250 series

### **RUBBER HUB**



**32053T** 2-3/4" long, 11 splines Mercury 300, 350, 400, 450, 500 series (1962-1969)

### **RUBBER HUB**



**62999**2-3/4" long, 13 splines
Mercury 300, 350, 400, 450, 500 & 650 series (1970-1976)

### **RUBBER HUB**



**43676T**3-3/8" long, 13 splines
Mercury 402, 500, 700 series (1977-85) Mercury 30-60 HP

### **RUBBER HUB**



17611T
Mercury 80-140 HP (1978 & later in-line motors) Stainless steel applications

### **RUBBER HUB**



43615T 1

OB front insertion 4" long, 15 splines

Mercury 150-200 HP (1978 & later V-6) aluminum, ET, Chopper and Outboard
Cleaver

### **RUBBER HUB**



43672 OB rear insertion

Mercury Stainless steel Chopper & Lightning ET propeller hub

#### **RUBBER HUB**



88437

MerCruiser 1A, 1B, 1C, 120, 140, 175, 888, 225S, 233, 255TRS & 80 TRS

#### **RUBBER HUB**

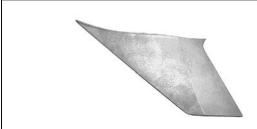


43636T

4-5/8" long, 19 splines MerCruiser TR215. Bravo II

# **SKEGS**

## REPLACEMENT SKEG



#### 15985A02

Precision die cast 360XK alloy for stronger, more uniform welds. Fits Mercury / Mariner 50/55/60 Bigfoot (3 cyl.), 70/75/80/90 (USA 0A996142 and Newer, BEL 9483121 and Newer), 100/115/125 (0B209468 and Newer), Force 90/120 (\$\frac{1}{3}\$\text{in 0E093700} and Newer) and 75/90/115 FourStroke (1B366823-2B094955).

### REPLACEMENT SKEG



#### 815632A02

For MCM Bravo One & Bravo Three drives

### REPLACEMENT SKEG



#### 859447A 1

Precision die cast 360XK alloy for stronger, more uniform welds.

Fits Mercury / Mariner 75/80 (4 cyl.), 90/115 (6 cyl.) and most V-6 outboard models including 2.5L OptiMax. Has adequate depth for the 3.0L models but is not an exact silhouette of the original skeg.

#### REPLACEMENT SKEG



### 90185A 1

Will not fit original Alpha One drives For MCM Alpha One Gen II drives (s/n 0D469859 and above)

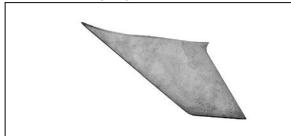
### **REPLACEMENT SKEG**



806688A02

For MCM Bravo Two drives

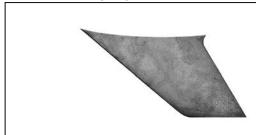
### REPLACEMENT SKEG



#### 898245A01

Fits Verado outboards, 135 through 300 hp. and 3.0L gearcases that have a 4.80 inch diameter torpedo.

### REPLACEMENT SKEG



#### 8M0060147

Pecision die cast 360XK alloy for stronger, more uniform welds. Fits the Mercury/Mariner F150 hp. EFI FourStroke 4 cylinder outboard, and the F75-115 hp. (2.1L) FourStroke Command Thrust outboard serail number 2B094996 and above..

### REPLACEMENT SKEG



#### 8M0052924

Precision die cast 360XK alloy for stronger, more uniform welds. Fits the Verado and 3.0L gearhousings with a 5.44 inch diameter torpedo.

# PERFORMANCE VENT PLUGS

### **VENT PLUG**



R/H Laser II props (Old style A41, A45 P/N suffix)

### **VENT PLUG**



#### 816318A 4

L/H Laser II props (Old Style A41, A45 P/N suffix)

#### **VENT PLUG**



#### 19-824431

Used with Large tube Trophy (A41, A45 P/N suffix), replaces 19-32652A1 (welch plug)

Priced individually, sold @ multiples of 4

### **VENT PLUG**



## 19-855267A 1

Tempest (A40, A41, A45 P/N suffix)

## **PVS VENT FITTING**



#### 19-889725

Solid PVS plug (A46, A47, A48 P/N suffix) Superseded from 19-856622 Priced individually, sold @ multiples of 5

## PROPELLER HARDWARE AND ACCESSORIES

### **PVS VENT FITTING**



#### 19-889725T28

Small PVS plug (.280/7mm) (A46, A47, A48 P/N suffix). Priced individually, sold @ multiples of 5

### **PVS VENT FITTING**



#### 19-889725T35 Medium PVS plug (.350/9mm) Priced individually, sold @ multiples of 5

### **PVS VENT FITTING**



#### 19-889725047

Large PVS plug (.470/12mm)(A46, A47, A48 P/N suffix) Superseded from 19-856622 47 Priced individually, sold @ multiples of 5

## STAINLESS STEEL IMPELLERS

### **OUTBOARD JET IMPELLER**



**47-855708T25**Mercury/Mariner 20/25 HP

### **OUTBOARD JET IMPELLER**



#### 47-855708T40

Mercury/Mariner 30/40 HP (3 cyl) Force 50 HPS OMC 40 HP Yamaha (3 cyl) 40 HP Suzuki (2 cyl) 40 HP Tohatsu/Nissan (3 cyl) 40/50 HP

#### **OUTBOARD JET IMPELLER**



#### 47-855708T60

Mercury/Mariner 45/60 HP OMC 50/70 HP Yamaha 48 Suzuki 65 HP

### **OUTBOARD JET IMPELLER**



#### 47-855708115

Mercury/Mariner 65/90 HP Mercury/Mariner 80/115 HP OMC 110/140 HP Suzuki 115/140 HP

### **OUTBOARD JET IMPELLER**



47-803984T Mercury/Mariner 105/150 HP

#### **OUTBOARD JET IMPELLER**



47-803985T Mercury/Mariner 140/200 HP

## SPORTJET IMPELLER



47-828989T 1

90 jet (splined) 1993-1995 95 XR jet 1996-1997 120 jet 1995 120 XR jet 1996-1998

### **SPORTJET IMPELLER**



47-854670T

120 XR2 jet 1999-2000

#### **SPORTJET IMPELLER**



**47-835452T** 175 XR2 jet 1997-2000

#### **SPORTJET IMPELLER**



47-877326T

M2 jet drive 210 carb model 2000 M2 jet drive 240 EFI model 2000

### **SPORTJET IMPELLER**



#### 47-883796T01

High skew impeller developed to provide improved holding or reduced cavitation during acceleration and in turns. This impeller will produce an additional 75 RPM's on top end in most cases. When used in the 250 application the REV limiter may be activated more often than with the standard 4 blade impeller.

Fits the 175, 200, 210, 240 & 250 Jet Drive.

## **TOOLS**

### PLUG WRENCH/SCREW TOOL



#### 91-8M0026088

Plug Wrench/Screw Tool

### PROPELLER NUT TOOL

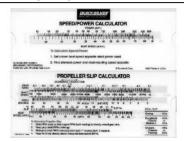


#### 91-805457T 1

For removal and installation of inner/front propeller nut. Bravo Three

## PROPELLER HARDWARE AND ACCESSORIES

### PROP SLIP CALCULATOR



#### 90-86147A 1

Used to calculate the slip percentage of a boat

#### PROPELLER BLOCK



#### 91-8M0129072

Hands free propeller block. Attach the propeller block to the anti-cavitation plate to stop the propeller from rotating while removing the propeller nut. Similar in size to a Flo-Torq II drive sleeve, it is compact and lightweight to keep in

the boat for quick access.

Works with all sterndrive and outboard applications

Priced individually, sold @ multiples of 2

Quicksilver Branded, Peg Display Product Point of Sale Packaged.

### **BRAVO THREE PROPELLER WRENCH**



#### 91-8M0129074

Double ended wrench that fits both of the MerCruiser Bravo Three nuts for propeller removal and installation. Powder coated finish

Durable steel construction

MerCruiser Bravo Three Quicksilver Branded

#### FLOATING PROP WRENCH



#### 91-859046Q 1

Fits 9/16" Nut, Purple (Mercury / Mariner 6,8,9.9 &15 HP) Quicksilver Branded, Peg Display Product Point of Sale Packaged.

#### FLOATING PROP WRENCH



#### 91-859046Q 2

Fits 13/16" Nut, Green (Mercury / Mariner 20 & 25 HP) (Johnson / Evinrude 9.9,15,20 & 30 HP)

Quicksilver Branded, Peg Display Product Point of Sale Packaged.

#### **FLOATING PROP WRENCH**



### 91-859046Q 3

Fits 15/16" Nut Orange (Mercury / Mariner 30,40,50 & 60 HP) Quicksilver Branded, Peg Display Product Point of Sale Packaged.

### **FLOATING PROP WRENCH**



Fits 1-1/16" Nut, Yellow (Fits most sterndrives / 4 cylinder & larger outboards) Quicksilver Branded, Peg Display Product Point of Sale Packaged.



93-824423 2 Large Prop Stow

#### **PROP STOW**



6 in.(152 mm) hub, for use with 15 inch to 18 inch sterndrive Clever propellers

### **PROP STOW**



847314A 1

4 in.(102 mm) hub, for use with Bravo I, ECO, Max 5, Maximus, Mirage, etc.

### **MERCURY RACING PROPELLER ACCESSORIES**

#### **PROP STOW**



4 in.(102 mm) hub, for use with Bravo I, ECO, Max 5, Maximus, Mirage, etc.

#### **PROP STOW**



845263A 1

6 in.(152 mm) hub, for use with 15 inch to 18 inch sterndrive Clever propellers

#### RACING CNC CLEAVER PROPELLER HARD CASE



#### 8M0128091

Durable case to protect Mercury Racing Outboard 5 Blade Cleaver

94-8M0107970

Durable case to protect Mercury Racing Sterndrive 5 Blade Cleaver

### **MARINE GREASE**

Mercury 2-4-C Marine Grease with PTFE is a high quality, extremely versatile lithium-based, NLGI 2 grease that won't break down when mixed with water. It also has:

- Excellent resistance to oxidation and degradation
   Extreme pressure additives to withstand friction in a wide variety of operations and temperatures

Replaces Quicksilver Special 101 Lubricant part number 92-802865Q02

For use in the following marine applications:

- Steering systems/cable linkagesThrottle and shift cables and linkages
- · Remote controls
- Prop shafts
- Swivel pins
- Tilt lock mechanisms/tilt tube
- Hinge pinsBoat trailer wheel bearings

### 2-4-C MARINE LUBRICANT



92-802861Q 1

Priced individually, sold @ multiples of 10

3 - 85 g tubes (3 - 3 oz tubes) cartridge

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### PROPELLER HARDWARE AND ACCESSORIES

### 2-4-C MARINE LUBRICANT & CARTRIDGE GUN



#### 91-74057Q 5

Cartridge gun and one 3 oz.(85 g) cartridge. Priced individually, sold @ multiples of 4

Quicksilver Branded, Clamshell Package Point of Sale Packaged.

### 2-4-C MARINE LUBRICANT



#### 92-802859Q 1

Designed to withstand extreme friction in all marine applications including steering systems, cable linkages and trailer wheel bearings.

Priced individually, sold @ multiples of 12

227 g (8 oz) tube Quicksilver Branded

### 2-4-C MARINE LUBRICANT



#### 92-802863Q 1

Fits standard 14 oz grease guns Priced individually, sold @ multiples of 4 397 q (14 oz) cartridge Quicksilver Branded

### **PAINTS**

#### **EDP PROPELLER BLACK PAINT**



#### 92-802878Q50

Priced individually, sold @ multiples of 6 340 g (12 oz) spray can

### POINT OF PURCHASE MARKETING MATERIAL

### **MERCURY PROPELLER DISPLAY**



#### 93-8M0140357

Individual marketing display for Mercury propellers.

#### **MERCURY PROPELLER DISPLAY**



### 93-8M0085506

- Height: 2m Round foot Diameter: 49cm Triangle shaped frame in black epoxy paint 9 Propeller holders to expose maximum 9 propellers, rubber grips on top surface
- to avoid propellers to get released

   6 large propeller holders for 30HP propellers and up (For propeller hub lengths)

   3 medium propeller holders for 30HP propellers and up (For propeller hubs)
- lengths 5 % inch -6 % inch) -9 propeller info sheet holders 13 Mercury propeller info sheet cards attached
- 3 Polystyrene header cards with Mercury propeller logo

Mercury Branded

## QUICKSILVER PROPELLER DISPLAY



93-8M0086408
Hold up to 9 QuickSilver Propellers
Quicksilver Branded

Notes:	

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## MERCURY INFLATABLE BOATS

### MERCURY INFLATABLE BOATS

For over 65 years Mercury Marine has maintained the standard of excellence in marine products. As the second-largest inflatable boat company in the world, Mercury Inflatables continues this commitment to quality by building durability, value and the Mercury reputation into every model.

Mercury Inflatables are available in both PVC and Hypalon and feature reinforced-seam construction, fabric with a tight-weave non-stretch polyester core and stainless steel hardware. Whatever your boating needs, Mercury Inflatables offer lightweight portability, reassuring stability, quick setup and easy operation in a full range of styles and sizes.

So whether you are exploring a new coastline, diving in the Caribbean, or just need a dinghy, Mercury Inflatables has a boat to meet your needs.

### **DYNAMIC SERIES**

### 250/260 DYNAMIC PVC -LIGHT GREY



#### A-AA260050M

Type of Floor: Non-skid fiberglass Color: Light Grey Fabric: PVC

Bagged Dimensions (cm) SKIN: 215 x 96 x 45 Max Load (lbs): 750 (kg) 340
Max HP (all short shaft): 5
Max Engine weight (lbs): 66 (kg) 30
Max Persons: 3 Max Persons: 3 Numbers of air chambers: 3 Length (ft): 8 ft 2 in (cm) 250 Width (ft): 4 ft 9 in (cm) 145 Weight (lbs):74 (kg) 33

Mercury Branded

### 270/280 DYNAMIC PVC -LIGHT GREY



#### A-AA280046M

Type of Floor: Non-skid fiberglass Color: Light Grey Fabric: PVC Bagged Dimensions (cm) SKIN: 215 x 96 x 45 Max Load (lbs): 805 (kg) 365 Max HP (all short shaft): 8 Max Engine weight (lbs): 88 (kg) 40 Max Persons: 4 Numbers of air chambers: 3 Length (ft): 8 ft 10 in (cm) 270 Width (ft): 4 ft 8 in (cm) 145 Weight (lbs):82 (kg) 37

#### 300/310 DYNAMIC PVC -LIGHT GREY

#### A-AA310143M

Type of Floor: Non-skid fiberglass

Color: Light Grey Fabric: PVC

Bagged Dimensions (cm) SKIN: 240 x 112 x 45 Max Load (lbs): 1003 (kg) 455 Max HP (all short shaft): 15 Max Engine weight (lbs): 132 (kg) 60

Max Persons: 4

Mumbers of air chambers: 3 Length (ft): 9 ft 10 in (cm) 300 Width (ft): 5 ft 3 in (cm) 160 Weight (lbs):110 (kg) 50 Mercury Branded

#### 250/260 DYNAMIC HP -WHITE



### A-AA260051M

Type of Floor: Non-skid fiberglass Color: White

Bagged Dimensions (cm) SKIN: 215 x 96 x 45 Max Load (lbs): 750 (kg) 340 Max HP (all short shaft): 5 Max Engine weight (lbs): 66 (kg) 30 Max Persons: 3

Numbers of air chambers: 3 Length (ft): 8 ft 2 in (cm) 250 Width (ft): 4 ft 9 in (cm) 145 Weight (lbs):79 (kg) 36

Mercury Branded

Mercury Branded

#### 270/280 DYNAMIC HP -WHITE



# A-AA280047M

Type of Floor: Non-skid fiberglass Color: White

Bagged Dimensions (cm) SKIN: 215 x 96 x 45 Max Load (lbs): 805 (kg) 365 Max HP (all short shaft): 8

Max Engine weight (lbs): 88 (kg) 40

Max Persons: 4 Numbers of air chambers: 3 Length (ft): 8 ft 10 in (cm) 270 Width (ft): 4 ft 9 in (cm) 145 Weight (bs):89 (kg) 40

Mercury Branded

#### 300/310 DYNAMIC HP -WHITE



#### A-AA310144M

Mercury Branded

Type of Floor: Non-skid fiberglass Color: White

Bagged Dimensions (cm) SKIN: 240 x 112 x 45 Max Load (lbs): 1003 (kg) 455 Max HP (all short shaft): 15 Max Engine weight (lbs): 132 (kg) 60 Max Persons: 4
Numbers of air chambers: 3
Length (ft): 9 ft 10 in (cm) 300
Width (ft): 5 ft 3 in (cm) 162
Weight (lbs):114(kg) 52

## **OCEAN RUNNER SERIES**

#### 290/300 OCEAN RUNNER RIB PVC- LIGHT GREY



#### A-AA300058M

Type of Floor: Non-skid fiberglass Color: Light Grey Fabric: PVC

Bagged Dimensions SKIN: 245 x 115 x 50(cm)
Max Load: (lbs)926 (kg)420
Max HP (all short shaft): 15
Max Engine weight: (lbs)132 (kg)60
Max Persons: 4

Numbers of air chambers: 3 Length: (ft)9 ft 6 in (cm)290 Width: (ft)5 ft 4 in (cm)162 Weight: (lbs)140 (kg)64

Mercury Branded

#### 340/350 OCEAN RUNNER RIB HP -WHITE



#### A-AA350062M

Type of Floor: Non-skid fiberglass Color: White

Bagged Dimensions (cm) SKIN: 270 x 120 x 50
Max Load (lbs): 1135 (kg) 515
Max HP (all short shaft): 25
Max Engine weight (lbs): 187 (kg) 85
Max Persons: 4 SKIN: 270 x 120 x 50
Max Persons: 4 SKIN: 270 x 120 x 50
Max Persons: 4 SKIN: 270 x 120 x 50
Max Persons: 4 SKIN: 270 x 120 x 50
Max Persons: 4 SKIN: 4 SKI

Numbers of air chambers: 3 Length (ft): 11 ft 2 in (cm) 340 Width (ft): 5 ft 9 in (cm) 176 Weight (lbs):201 (kg) 91 Mercury Branded

#### 420/430 OCEAN RUNNER RIB PVC- LIGHT GREY



#### A-AA430102M

Type of Floor: Non-skid fiberglass Color: Light Grey

Fabric: PVC

Bagged Dimensions SKIN: 360 x 122 x 68(cm) Max Load: (lbs)1764 (kg)800 Max HP: 40

Max Engine weight: (lbs)243 (kg)110 Max Persons: 8

Nambers of air chambers: 4 Length: (ft)13 ft 9 in (cm)420 Width: (ft)6 ft 4 in (cm)192 Weight: (lbs)261 (kg)118

Mercury Branded

#### **460 OCEAN RUNNER RIB PVC-LIGHT GREY**



### A-AA460014M

Type of Floor: Non-skid fiberglass

Color: Light Grey Fabric: PVC

Bagged Dimensions SKIN: 360 x 122 x 68(cm) Max Load: (lbs)1764 (kg)800 Max HP: 40

Max Engine weight: (lbs)243 (kg)110

Max Persons: 7

Numbers of air chambers: 4 Length: (ft)13 ft 9 in (cm)420 Width: (ft)5 ft 11 in (cm)180 Weight: (lbs)250 (kg)113

Mercury Branded

### 290/300 OCEAN RUNNER RIB HP -WHITE



### A-AA300059M

Type of Floor: Non-skid fiberglass Color: White Bagged Dimensions (cm) SKIN: 245 x 115 x 50 Max Load (lbs): 926 (kg) 420 Max HP (all short shaft): 15 Max Engine weight (lbs): 132 (kg) 60 Max Persons: 4 Numbers of air chambers: 3 Length (ft): 9 ft 6 in (cm) 290 Width (ft): 5 ft 4 in (cm) 162 Weight (lbs):146 (kg) 66

#### 340/350 OCEAN RUNNER RIB HP -WHITE

### A-AA350063M

Type of Floor: Non-skid fiberglass

Color: White

Bagged Dimensions (cm) SKIN: 270 x 120 x 50 Max Load (lbs): 1135 (kg) 515 Max HP (all short shaft): 25 Max Engine weight (lbs): 187 (kg) 85 Max Persons: 4

Numbers of air chambers: 3 Length (ft): 11 ft 2 in (cm) 340 Width (ft): 5 ft 9 in (cm) 176 Weight (lbs):201 (kg) 91

Mercury Branded

#### 420/430 OCEAN RUNNER RIB HP -WHITE



### A-AA430103M

Type of Floor: Non-skid fiberglass

Color: White

Bagged Dimensions (cm) SKIN:  $360 \times 122 \times 68$  Max Load (lbs): 1764 (kg) 800 Max HP: 40

Max Engine weight (lbs): 243 (kg) 110

Max Persons: 8

Numbers of air chambers: 3 Length (ft): 13 ft 9 in (cm) 420 Width (ft): 6 ft 4 in (cm) 192 Weight (lbs):268 (kg) 122

Mercury Branded

### **460 OCEAN RUNNER RIB HP -WHITE**



### A-AA460015M

Type of Floor: Non-skid fiberglass

Color: White

Bagged Dimensions (cm) SKIN: 390 x 122 x 68 Max Load (lbs): 1984 (kg) 900 Max HP: 60

Max Engine weight (lbs): 287 (kg) 130

Max Persons: 9

Numbers of air chambers: 4 Length (ft): 15 ft 2 in (cm) 460 Width (ft): 6 ft 6 in (cm) 198

Weight (lbs):291 (kg) 132

Mercury Branded

940

Mercury Branded



### **BOAT COVERS**

This convenient, affordable gray boat cover is made of 1.9 oz. Rip-stop nylon with UV inhibitors and a water-repellent ZEPEL finish. Protects your inflatable from sun, rain and debris. Also fits over attached engine. Elastic band sewn in bottom edge for snug fit. Shock-corded, the cover rolls compactly for easy storage. Order appropriate size.

#### **BOAT COVER**



#### 62-899772

Dimension: L2.9m x W2.3m with 0.35mm fabric; with M logo in light Gray and with dry bag (small).

Fits Mercury 200 Dinghy

#### 62-899773

Dimension: L3.1m x W2.3m with 0.35mm fabric: with M logo in Light Gray and with dry bag(small).

Fits the following models:

Mercury 220 Sport / 220 Air Deck / 220 Ultra Light Mercury 240 Roll-Up Quicksilver 240 /Air Deck Ultra Light /240 Dinghy /240 Sport Enduro

Dimension: L3.5m x W2.5m with 0.35mm fabric; with M logo in Light Gray and with dry bag(small).

Fits the following models: Mercury Ultra Light 220, Air Deck 220, Sport 220

Mercury 240 Air Deck, 240 Sport Quicksilver 240 Airdeck Deluxe

#### 62-899776

Dimension: L3.8m x W2.6m with 0.35mm fabric: with M logo in Light Gray and with dry bag(small).

Fits the following models:

\*Mercury Mercury Ultra Light 250, Air Deck 250/270, Sport 250/270, Adventure 250, Dynamic 250 & 270
\*Quicksilver\_250 Airdeck Ulta Light, 270 Airdeck Deluxe, 270 Sport Enduro and 270

Adventure Enduro
\*Quicksilver Ultra Light 250, Air Deck 240 & 270, Sport 240 & 270, Adventure 270

#### 62-899777

Dimension: L4.1m x W2.6m with 0.35mm fabric; with M logo in Light Gray and with dry bag(medium).

Fits the following models:

\*Mercury Air Deck 290/310, Air Deck Fish 290, Sport 290/310, Adventure 290, Dynamic 250 & 270

\*Quicksilver Air Deck 310, Air Deck Fish 310, Sport 310, Adventure 310

#### 62-899778

Dimension: L4.1m x W2.8m with 0.35mm fabric; with M logo in Light Gray and with dry bag(medium).

Fits the following models:

\*Mercury Ocean Runner 290, Dynamic 300/310
\*Quicksilver Ocean Runner 290

#### 62-899779

Dimension: L4.4m x W2.6m with 0.35mm fabric; with M logo in Light Gray and with dry bag(medium).

Fits the following models: \*Quicksilver Air Deck 340, Air Deck Fish 340, Sport 340, Adventure 340 \*Mercury Air Deck 320, Air Deck Fish 320, Sport 320, Adventure 320

Dimension: L4.4m x W2.85m with 0.35mm fabric; with M logo & Light Gray and with dry bag(medium).

Fits the following models: \*Mercury 330/340 & 350 Ocean Runner \*Quicksilver 340 Ocean Runner

#### 62-879180

Dimension: L4.8m x W3.2m with 0.35mm fabric; with M logo in Light Gray and with dry bag(medium).

Fits the following models:
\*Mercury Sport 365 XS, Adventure 365 XS, Heavy Duty 365 XS/380 \*Quicksilver Sport 365 XS, Heavy Duty 365 XS, Adventure 365 XS and Ocean Runner 410

Dimension: L4.6m x W3.4m with 0.35mm fabric; with M logo in Light Gray and with dry bag(medium).

Fits the following models: \*Mercury Sport 415 XS, Adventure 415XS, Heavy Duty 415 XS, Ocean Runner

\*Quicksilver Sport 415 XS, Adventure 415XS, Heavy Duty 415 XS, Ocean Runner

#### **BOAT COVER INFLATABLE 460/470**



### 62-8M0046025

Dimension: L6.2m x W3.7m with 0.35mm fabric; with M logo in Light Gray and with dry bag(large).

Fits the following models: Mercury Heavy Duty 470/470 XS, Ocean Runner 460

### FIBERGLASS (FRP) SEATS

#### SEAT ASSEMBLY



#### 62-880959T02

Seat with bracket. Fiberglass (L70 cm x W20 cm) Light Gray finish.

Fits Quicksilver 200 & 240 Dinghy Fits Mercury 200 Roll Up Inflatable Boat (MY 2003 and later)

#### **SEAT ASSEMBLY**

#### 62-899622T01

Seat with Bracket. Fiberglass (L80 cm x W20 cm)Light Gray finish.

Fits Mercury 250 and 270 Dynamic in PVC and Hypalon Inflatable Boats (MY 2003

#### **SEAT ASSEMBLY**

#### 62-880960T03

Seat with bracket. Fiberglass (L85 cm x W20 cm) Light Gray finish. Fits Quicksilver 240, 250, 270, 310 & 340 Airdeck Deluxe; 220 Airdeck Ultralight; 240, 270, 310 & 340 Sport Enduro

Fits Mercury 240 Roll Up. Fits 240, 270,310 and 340 Sport PVC, 240, 270,310 and 340 Air Deck PVC, and the 285 Limited Edition Inflatable Boat (MY 2003 and newer).

Seat with bracket. Fiberglass (L85 cm x W20 cm) Black. Foam seat cover not included.

Fits Quicksilver 270, 310 and 340 Adventure Enduro; 310 - 340 Airdeck Fishing

#### 62-809527T08

Seat with bracket. Fiberglass (L85 cm x W20 cm) Light Gray finish.

Fits Mercury 300 Ocean Runner in PVC and Hypalon, 270,310, and 340. Air Deck Hypalon and the 270 and 310 Sport Hypalon Inflatable Boats (MY 2003 and newer).

Fits Quicksilver 290 Ocean Runner

#### 62-899623T01

Seat with Bracket. Fiberglass (L90 cm x W20 cm)Light Gray finish.

Fits Mercury 300/310 Dynamic PVC and Hypalon Inflatable Boats (MY 2003 and newer).

#### **SEAT W/BRACKET**

#### 62-809527T07

Lt. Gray finish

Fits Mercury 330 and 350 Ocean Runner in PVC and Hypalon Inflatable Boat (MY

2003 and newer). Fits Quicksilver 340 Ocean Runner

#### 62-811823T05

Lt. Gray finish

Fits Mercury 380 Sport XS Inflatable Boat (MY 2003 and newer).

#### 62-811823T06

Lt. Gray finish

Fits Mercury 380 Heavy Duty in PVC and Hypalon Inflatable Boat (MY 2003 and

Fits Quicksilver 365 Heavy Duty XS & 365 Adventure XS

#### 62-809527T09

Lt. Gray finish

Fits Mercury 430 Sport XS Inflatable Boat (MY 2003 and newer). Fits Quicksilver 415 Sport XS

#### 62-809527T10

Lt. Gray finish

Fits Mercury 430 Heavy Duty in PVC and Hypalon Inflatable Boat (MY 2003 and

Fits Quicksilver 415 Heavy Duty XS & 415 Adventure XS

#### **SEAT ASSEMBLY**

Image not Available

#### 62-8M0097367

Fiberglass. White (FRP with reinforced wooden bars. (L120cm x W20cm x T24mm) Mercury OceanRunner PVC - Model 420/460

## **ALUMINUM SEATS**

#### **SEAT ASSEMBLY**



#### 62-899622T

Seat with bracket. Aluminum (L80 cm x W20 cm). Light gray finish.

Fits Mercury 260 and 280 Dynamic in PVC and Hypalon Inflatable Boats (MY 2006

#### **SEAT W/BRACKET**



#### 62-811307T05

Aluminum

Fits Quicksilver Airdeck 220, 240, 270, 310 & 340

#### **SEAT ASSEMBLY**



#### 62-899623T

Seat with bracket. Aluminum(90 cm). Light gray finish.

Fits Mercury 310 Dynamic PVC and Hypalon Inflatable Boats (MY 2006 and

#### **SEAT W/BRACKET**



### 62-809527005

Aluminum

Fits Quicksilver 340 Ocean Runner; 365 Sport XS; 365 Heavy Duty XS & 365 Adventure XS Fit Mercury 340 Heavy Duty

#### **SEAT W/BRACKET**

#### 62-809527006

Aluminum

Fits Quicksilver 410 Ocean Runner; 415 Sport XS; 415 Heavy Duty XS & 415

Fits Mercury 430 Heavy Duty

#### **SEAT ASSEMBLY**

#### 62-8M0046028

Seat with bracket. Aluminum. (L70cm x W20cm x T15mm)Alum

Fits Mercury 420/460 Ocean Runner Ribs (MY2013 and newer)

## **WOOD SEATS**

#### **SEAT W/BRACKET**



#### 62-880959

Adjustable gray wood seat for 200 roll-up model boat 200 Roll-up 2001 and newer models year boats

#### **SEAT ASSEMBLY**



Seat with bracket, wood (L70 cm x W20 cm). Bolt Rope System. Light gray finish. Fits Mercury 200/240/270 Dinghy Inflatable Boat (MY 2010 and newer).

#### **SEAT W/BRACKET**



Clear finish

Fits Quicksilver 240 Roll Up (2003-2007), Bayliner 240 Roll Up, QS 270 and 340 Air Deck

#### **SEAT W/BRACKET**



### 62-880960T01

Lt Gray Finish

Fits Quicksilver 220 - 250 Air Deck UltralLight; 240, 310,& 340 Enduro Fits Mercury 240 Roll Up, Air Deck and Sport

#### SEAT W/BRACKET



#### 62-811307T04

Dark Gray color

Fits 240, 270, 310 and 340 Air Deck inflatable boats (1998 to 2006 model year) Fits Quicksilver 240, 270, 310 & 340 Deluxe; 270 Sport Enduro; 310 & 340 Fishing

### **PACK COMFORT SEAT**

### **JOCKEY JUNIOR CONSOLE**



#### 69-896397003

Console provided with steering wheel, Rotary mechanical steering system, and

Dimensions: Length 110 cm Width: 35cm - Height: 66cm - Weight: 33kgs - Gross weight: 38kg

For Sport 365 XS, 415 XS, Adventure 365XS, 415 XS, 470 XS, Heavy Duty 365XS, 415 XS, 470 XS, Ocean Runner 290, 340 & 420 and Dynamic 300 models.

### **JOCKEY SPORT CONSOLE**



#### 69-896397004

Console provided with steering wheel, Rotary mechanical steering system, and

Dimensions: Length 120,5cm Width: 35cm - Height: 76cm - Weight: 33kgs - Gross weight: 38kg

For Sport 415 XS, Adventure 415 XS, 470 XS, Heavy Duty 415 XS, 470 XS and Ocean Runner 340 & 420  $\,$  models.

#### **SEAT CUSHION**



#### 62-8M0090865

Fabric: PVC Size:(L76cm x W 34.5cm x H12cm) Color: Ivory with Navy Blue trim. Fits jockey seat (896397004).

#### **BENCH SEAT-CONSOLE COMFORT**



#### 62-896397005

Color: Ivory with Navy Blue trim.

Dimension: Lenght: 57cm x Width: 62cm x Height: 63cm - Net Weight: 21kg For Sport 415 XS, Heavy Duty 415 XS, Heavy Duty 470 XS and Ocean Runner 420 and 460 model applications.

#### **CONSOLE COMFORT**



#### 62-896397006

Steering Helm and steering wheel included with purchase of console. Dimension: Lenght: 43cm x Width: 46.5cm x Height: 102cm - Net Weight: 22.5kg. For Sport 415 XS, Heavy Duty 415 XS, Heavy Duty 470 XS and Ocean Runner 420 models application.

### **CONSOLE PACK COMFORT JR-115**



#### 62-8M0095283

Console with front seat - Steering Helm and steering wheel included with purchase

Dimension: Lenght: 80cm x Width: 62cm x Height: 80cm - Net Weight: 24kg For Ocean Runner 460 application.

### **SEAT CUSHIONS**

White vinyl foam filled cushion seat fits rowing seat. Six snaps included for attaching.

#### **SEAT CUSHION**



### 62-809773

30 in.(76 cm) Fits 230 - 260 Models

#### **SEAT CUSHION**



### 62-8M0065784

Fabric: PVC Size:(L81.5cm x W 33.5cm x H10cm) Color: Ivory with Navy Blue trim.

Fits seat(896397005)for Sport 415 XS, Heavy Duty 415 XS, Heavy Duty 470 XS and Ocean Runner 420 application.

### **SEAT CUSHION-BACK REST**



#### 62-8M0065785

Fabric: PVC

Size:(L80 cm x W27 cm x H5.5 cm) Color: Ivory with Navy Blue trim.

Fits seat(896397005) for Sport 415 XS, Heavy Duty 415 XS, Heavy Duty 470 XS and Ocean Runner 420 application.

#### **SEAT CUSHION**



#### 62-8M0099660

Fabric: PVC

Size:(L40cm x W64cm x H5.5cm) Color: Ivory with Navy Blue trim. Fits 340/350 Ocean Runner Bow Locker.

### 62-8M0099661

Fabric: PVC

Size:(L78.5cm x W85cm x H5cm) Color: Ivory with Navy Blue trim.

Fits 420/430 and 460 Ocean Runner Bow Lockers.

## **AIR DECK FLOOR SYSTEMS**

High pressure floor which can replace the wooden modular floor on Quicksilver sport models. Reduces weight by 30% and offers quick assembly and fast, easy storage. (Must order Thrust Board and Double Action Air Pump.

#### AIR DECK FLOOR SYSTEM



#### 62-852871A02

One-piece design flap.

Fits 1996-2000 model year QS 270 Sport inflatables

#### 62-852873A02

One-piece design flap

Fits 1996-2000 model year QS 330 Sport inflatables

#### AIR DECK FLOOR SYSTEM



#### 62-879784A03

One-piece design flap Fits QS 240 Sport inflatables

### 62-879785A03

One-piece design flap. Fits QS 310 Sport inflatables

### 62-879786A03

One-piece design flap Fits QS 340 Sport inflatables

#### 62-879790A05

One-piece design flap

Fits 340 Air Decks from 2001 and newer/ 340 Sports from 2003 and newer. Also fits 2003 and newer Hypalon products.

### 62-879787A05

One-piece design flap

Fits 240 Air Decks from 2001 and newer/ 2003 and newer 240 Sports.

#### 62-879788A05

One-piece design flap Fits 270 Air Decks

#### AIR DECK FLOOR SYSTEM



#### 62-879789A05

High pressure floor which can replace the wooden modular floor on Mercury sport models. Reduces weight by 30% and offers quick assembly and fast, easy storage. (Must order Thrust Board and Double Action Pump).

Fits 2001 and newer 310 Air decks/ 2003 and newer 310 Sports/ and s 2003 and newer Hypalon boats.

#### AIR DECK FLOOR SYSTEM



#### 62-896281A06

High pressure floor which can replace the wooden modular floor on Mercury sport models. Reduces weight by 30% and offers quick assembly and fast, easy storage. Two-piece design flap. (Must order Thrust Board and Double Action Pump if floor is replacing the sectional wood floor in Sport models).

Fits 2004 and newer 240 Air Decks

#### 62-896282A06

High pressure floor which can replace the wooden modular floor on Mercury sport models. Reduces weight by 30% and offers quick assembly and fast, easy storage. Two-piece design flap. (Must order Thrust Board and Double Action Pump if floor is replacing the sectional wood floor in Sport models).

Fits 2004 and newer model year 270 Air Decks

#### 62-896283A06

High pressure floor which can replace the wooden modular floor on Mercury sport models. Reduces weight by 30% and offers quick assembly and fast, easy storage. Two-piece design flap.( Must order Thrust Board and Double Action Pump if floor is replacing the sectional wood floor in Sport models).

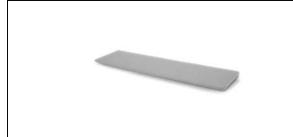
Fits 2004 and newer model year 310 Air Decks

#### 62-896284A06

High pressure floor which can replace the wooden modular floor on Mercury sport models. Reduces weight by 30% and offers quick assembly and fast, easy storage. Two-piece design flap.( Must order Thrust Board and Double Action Pump if floor is replacing the sectional wood floor in Sport models).

Fits 2004 and newer model year 340 Air Decks

#### **THRUST BOARD**

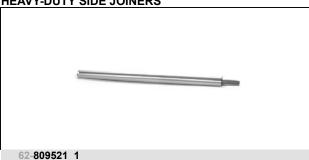


62-852874 3 Thrust Board. Fits QS 230 Sport inflatables

## **HEAVY-DUTY SIDE JOINERS**

Extra heavy duty side joiners reduce floor flex in heavy load situations. For use with standard floor boards. If used with synthetic floorboards or with competitive boat brands, minor adjustments are required. Groove depth is .510 in.(13 mm). Order one male and one female for each side of boat.

#### **HEAVY-DUTY SIDE JOINERS**



Male coupler

Fits Mecury 380, 430 and 430 Heavy Duty models. Fits Quicksilver 365, 425 & 470 Heavy Duty Models.

#### **HEAVY-DUTY SIDE JOINERS**



Male coupler

Fits Quicksilver 365 & 380 Heavy Duty models

### **HEAVY-DUTY SIDE JOINERS**



Female coupler

Fits Quicksilver 365 & 380 Heavy Duty models



## **DURATEX (PVC) - BOAT HANDLES**

Additional handles makes lifting easier. Mount them anywhere on the boat for convenient handholds.

#### **BOAT HANDLE W/ CLEAT**



#### 62-859007004

Med. Gray color

Fits all Duratex inflatable boats

#### 62-859007009

Black color

Fits all Duratex inflatable boats

### **HYPALON - BOAT HANDLES**

### **BOAT HANDLES**



#### 62-896462

Hypalon molded lift and carry handle. Can be applied to increase lifting and easy of movement. Comes in Dark Gray color.

Fits all Hypalon Air deck model boats 2003 and newer.

### **BOAT HANDLES**



#### 62-891703

Hypalon molded lift and carry handle. Can be attached to provide easier lifting and movement. Comes in Black Color.

Fits 2003 430 Heavy Duty Hypalon boats.

## **BOW DODGER/ BAG KIT**

Provides storage for anything taken on an inflatable outing. The water-repellant dark blue Cordura nylon bag closes with non-corrosive nylon zipper and hangs under the dodger. Four cleats (62-808645) and glue (62-808648) purchase separate. Easy to attach.

#### **BOW DODGER/ BAG**



#### 62-8M0082303

Grey with M Logo Fits all Q/S inflatables

## **UNDER-SEAT STORAGE BAG**

Handsome, color-coordinated storage bag of water-repellant bark blue Cordura nylon. Durable construction for long life. Non-corrosive nylon zipper. Great for storage of repair kit, foot pump, clothes, lunch, etc. Keeps your boat free of clutter.

#### **UNDER-SEAT STORAGE BAG**



#### 62-808647T

Under seat storage bag with Mercury Logo. Blue Color.

Fits all Q/S inflatables except 200 and 230 models.

#### **UNDER-SEAT STORAGE BAG**



### 62-8M0083245

Under seat storage bag with Mercury Logo. Grey Color.

Fits all Q/S inflatables except 200 and 230 models.

### **COMBINATION D-RING AND LIFTING HANDLE**

Backed by rugged Duratex 100 denier fabric. Always use two-part adhesive when installing

#### **COMBINATION D-RING AND LIFTING HANDLE**



#### 62-809777

White fabric w/ composite ring For use on Duratex fabric

#### 62-809777004

Lt. gray fabric w/ composite ring For use on Duratex fabric

#### **COMBINATION D-RING AND LIFTING HANDLE**



62-809777 2 Lt. gray fabric w/ chrome ring For use on Duratex fabric

## STAINLESS STEEL D-RINGS

These stainless steel rings can be added to inflatable boats for gas tank tie-downs, lifting rings and securing gear. They are backed with rugged Duratex 1000 denier fabric. Always use a two-part adhesive when installing.

### STAINLESS STEEL D-RING



## 62-811310003

Small - Lt. Gray color For use on Duratex fabric

#### 62-811310 2

Small - Red color For use on Duratex fabric

#### STAINLESS STEEL D-RING



62-811309

Large - Black color For use on Duratex fabric

#### STAINLESS STEEL D-RING



#### 62-811309003

Large - Gray color For use on Duratex fabric

#### 62-811309 2

Large - White color For use on Duratex fabric

### **MOLDED D-RINGS**

Backed by rugged Duratex 100 denier fabric. Always use two-part adhesive when installing

#### **MOLDED D-RING**



62-859008

Lt. Gray color, 4 in.(102 mm) diameter For use on Duratex fabric

62-859008 1

Med. Gray color, 4 in.(102 mm) diameter

For use on Duratex fabric

#### **HYPALON MOLDED D-RINGS**



#### 62-896456

Large white molded D-rings for Use when towing inflatable boat. For use on Hypalon XD fabric

#### **HYPALON - MOLDED ROPE HOLDERS**



#### 62-896457

Molded gray rope holders made of Hypalon material. For use on Hypalon XD fabric

### **SEAT WEBBING**

Used to attach standard wooden seat to tubes. Two required.

### **SEAT WEBBING**



#### 62-818701007

Gray webbing w/ gray fabric For use on Duratex fabric

#### 62-818701 4

Gray webbing w/ white fabric For use on Duratex fabric

### 62-818701 5

Black webbing w/ red fabric For use on Duratex fabric

#### **SEAT WEBBING**

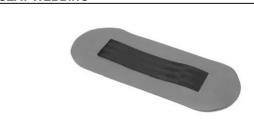


#### 62-896452

Made of Hypalon Fabric and used to attach seats to tubes of boat. White with Gray webbing.

For use on Hypalon XD fabric

#### **SEAT WEBBING**



#### 62-891695

Made of Hypalon Fabric and used to attach seats to tubes of boat. Red with Black webbing.

For use on Hypalon XD fabric

### **HYPALON REPAIR KIT**

Contains fabric Hypalon patch, sandpaper in a waterproof plastic container. Tube of cement needs to be purchased separate.

#### **HYPALON REPAIR KIT**



### 62-8M0099343

Plastic can for repair containing RED Achilles HYP fabric (1.05 Lx4/Sx1) and BLACK fabric (1.03 Lx3/Sx2), valve key and manual. Fits XS Heavy Duty Red HYP 365, 415, 470

#### **HYPALON REPAIR KIT**



#### 62-8M0099347

Plastic can for repair containing WHITE Achilles HYP fabric (0.85 Lx7/Sx3), sand paper, valve key and manual.

Fits Ocean Runner, Dynamic.

### **PVC REPAIR KITS**

Contains fabric patches, umbrella valve in a waterproof plastic container. Tube of cement needs to be purchased separate.

#### **PVC REPAIR KIT**



#### 62-8M0101375

Plastic can for repair containing PVC fabric WHITE (0.8 Lx4/Sx1) and LIGHT GRAY fabric (0.8 Lx3/Sx2), valve key and manual.

Fits Air Deck Old style PVC model.

#### 62-8M0101374

Plastic can for repair containing PVC fabric LIGHT GRAY fabric (0.7 Lx7/Sx3), valve key and manual.

Fits Roll Up PVC model.

#### 62-8M0099338

Plastic can for repair containing PVC LIGHT GRAY fabric (0.8 Lx7/Sx3), valve key and manual.

Fits Air Deck, Sport, Dynamic and Ocean Runner PVC models MY2008 and later.

### **PVC REPAIR KIT**



#### 62-8M0099342

Plastic can for repair containing 1.15 RED & BLACK PVC fabric, valve key and manual.

Fits Heavy Duty XS RED 365, 415 and 470

#### **PVC REPAIR KIT**



#### 62-8M0101363

Plastic can for repair containing DARK GREEN PVC fabric (1.15 Lx4/Sx1) and BLACK (1.15 Lx3, S/2), valve key and manual.

Fits Adventure XS.

#### 62-8M0099344

Plastic can for repair containing DARK GREEN PVC fabric (0.8 Lx4/Sx1) and BLACK (0.8 Lx3, S/2), valve key and manual.

Fits Adventure Enduro

#### **PVC REPAIR KIT**



#### 62-8M0101362

Plastic can for repair containing LIGHT GRAY PVC fabric (0.6 Lx3/Sx2), valve key and manual.

Fits Dinghy PVC.

#### 62-8M0099351

Plastic can for repair containing LIGHT GRAY PVC fabric (0.7 Lx4/Sx1) and NAVY BLUE (0.8 Lx3, S/2), valve key and manual.

Fits Air Deck Ultra Light.

#### **PVC REPAIR KIT**



#### 62-8M0099664

Plastic can for repair containing DARK GRAY PVC fabric (0.8 Lx4/Sx1) and BLACK (0.8 Lx3, S/2) and LIGHT GRAY (0.8L x 3/Sx2), valve key and manual. Fits Dark Grey Air Deck UPVC (Fishing).

#### **PVC REPAIR KIT**



#### 62-8M0099346

Plastic can for repair containing LIGHT GRAY PVC fabric (1.15 Lx4/Sx1) and NAVY BLUE (0.8 Lx3, S/2), valve key and manual. Fits Sport XS 365, 415.

### **PVC FABRIC**

Used for patching

### **PVC FABRIC**



62-884705

White color - 24 in.(61 cm) x 30 in.(76 cm)

#### **PVC FABRIC**



#### 62-884707

Black color - 24 in.(61 cm) x 30 in.(76 cm)

#### 62-884707 1

Black color - 60 in.(152 cm) x 32.8 ft.(10 m)

Gray color - 24 in.(61 cm) x 30 in.(76 cm)

#### **PVC FABRIC**



#### 62-899895001

Gray color - 60 in.(152 cm) x 32.8 ft.(10 m)

### **FISHING**

#### **FISH ROD HOLDER**



#### 62-8M0048438

For use on Air Deck Deluxe and Adventure XS Models.

### **FUEL TANK HOLD DOWN KIT**

Made with polypropylene strapping for superior strength and appearance. Quick release buckles simplify replacement of container. Includes two straps with quick release buckles and four footman loops for securing the system to the boat.

#### **FUEL TANK HOLD DOWN KIT**



62-809610

### **AIR PUMPS**

Supplied complete with universal adapters to allow inflatation of a wide variety of items from toys to most inflatable boats.

#### INFLATOR/DEFLATOR



#### 62-877364

230 volt AC, Features an automatic shutoff when pressure reaches 3.0 p.s.i., with manual override for additional pressure if needed.

#### INFLATOR/DEFLATOR



#### 62-803905

12 volt DC system works off you cars battery to provide up to  $4.4~\rm p.s.i.$  pressure. Auto shutoff prevents over-pressure.

### INFLATOR/DEFLATOR



#### 62-889345Q01

This easy to use, double action pump is much faster than the standard foot pump. New compact size for easier storage. 20% more volume to reduce inflation time. Stronger handle, base and fitting stand up to repeated use. Locking attachment fittings make inflation quicker and easier. Locking air pressure gauge can be placed on top of the pump for better visibility.

Quicksilver Branded

### REPLACEMENT ADAPTERS



62-809685 4

For Bravo pumps (809632 1 or 803905)

### HALKEY-ROBERTS VALVES

### **HALKEY-ROBERTS VALVE**



62-879184A02

This valve (new style) is identified by eight slots located adjacent to the valve stem and branded with "690NSBV", Black color

## **QUICKSILVER VALVE**

#### **AIR VALVE ASSEMBLY**



#### 62-856646A 1

This air valve assembly is identified with p/n 856646 on flange, Lt. Gray color Mercury and Quicksilver Soft Bottom Roll Up Inflatable Boats

### **VALVE FILL ADAPTERS**

#### HALKEY-ROBERTS VALVE FILL ADAPTER



#### 62-809685 1

For 5/8 in.(16 mm) hose and (old style) valve For Halkey-Roberts valve (foot pump)

#### **UNIVERSAL VALVE FILL ADAPTER**



### 62-809685 3

For 5/8 in.(16 mm) hose and (old & new style) valve For Halkey-Roberts valve (foot pump)

### **QUICKSILVER VALVE FILL ADAPTER**



#### 62-859044A 1

For 5/8 in.(16 mm) hose and (old & new style) valve For Quicksilver valve

## **DUAL-ACTION PUMP VALVE FILL ADAPTERS**



#### 62-889347

Fits Dual-Action Pump. Comes with kit 889345Q01. Mercury, Quicksilver or Haulkey Roberts valve

### AIR PUMP ADAPTER



#### 62-8M0150135

Air pump hose for hand pump Adapter for Holee valve HB-530-133

## **VALVE TOOL**

## PRESSURE GAUGE

### PRESSURE GAUGE



#### 91-804510

## PRESSURE GAUGE



### 62-889346

Lock - in dial pressure gauge to fit all Haulky Roberts valves and provides a sealed fit when using pump.

Fits #62-889345Q01 type double action pump.

### **OARS AND PADDLES**

# **OAR BLADE**



62-883899002 Oar blade with Mercury Logo in PVC - Light Grey.

Fits Ultra Light, Aird Deck, Sport, Ocean Runner, Dynamic - PVC models.

### **OAR HANDLE ASSEMBLY**



#### 63-8M9200340

Oar Handle Assembly PVC - LIGHT GRAY (97.5cm). Fits 220 ULC, 220 Air Deck, 220 Sport - All PVC models.

### **OAR HANDLE**

### 62-885156

Lt. Gray for Sport Models. Mercury Branded

#### OAR BLADE



62-885157 Oar blade with Mercury Logo in PVC - Dark Grey.

Fits Air Deck, Ocean Runner, Dynamic - HYPALON models. Mercury Branded

#### **OAR BLADE**



62-883899T04 Oar blade with Mercury Logo in PVC - BLACK.

Fits Dinghy, Air Deck Fishing, Sport Adventure & Adventure XS - PVC models. Mercury Branded

### **OAR HANDLE**



62-885158

Dk. Gray for Air Deck models. Mercury Branded

#### OAR HANDLE ASSEMBLY



62-8M0068687

Oar Handle Assembly PVC - BLACK (120cm).

Fits 200 Dingy.

62-885156007

Oar Handle Assembly PVC - BLACK (97.5cm),

Fits 240 Dinghy.

#### OAR HANDLE ASSEMBLY



62-885159003

Oar Handle Assembly PVC - LIGHT GRAY (110cm).

Fits 250 ULC, 250-290-320 Air Deck, 250-290-320 Sport, 290 Ocean Runner, 250-270-300 Dynamic - ALL PVC models.

### **OAR HANDLE ASSEMBLY**



62-885159005

Oar Handle Assembly PVC - BLACK (110cm).

Fits 290-320 Air Deck Fishing, 250-290-320 Sport Adventure - All PVC models.

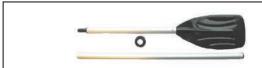
### OAR HANDLE ASSEMBLY



#### 62-885156006

Oar Handle Assembly PVC - LIGHT GRAY (124cm). Fits 365-415 Sport XS.

### **OAR HANDLE ASSEMBLY**



#### 62-8M0050413

Oar Handle Assembly PVC - BLACK (97.5cm). For old Dinghy Models

### T PADDLE ASSEMBLY



T Paddle Assembly with Mercury Logo in PVC - Light Grey Fits 340-420-460 Ocean Runner PVC

#### **OAR/T PADDLE**



Oar/T Paddle Assembly with Mercury Logo in PVC - Dark Grey Fits 340-420-460 Ocean Runner HYPALON

### **OAR/T PADDLE**



Oar/T Paddle Assembly with Mercury Logo in PVC - Black Fits 365-415-470-530 Heavy Duty HYPALON

#### T PADDLE ASSEMBLY



62-880999002 T Paddle Assembly with Mercury Logo in PVC - Black Fits 365-415-470 Heavy Duty PVC

Notes:			

	22 44044500 7 44
84 - 11149A55	33 - 14814568
88 - 11178A01	33 - 14814Q
48 - 11324A45 714, 716, 721, 761, 833, 843, 892, 900	14865A02
25 - 11332	15000A14 40, 319, 321, 323, 325, 327, 331, 588
11606A 1	15000A 7
11606A 2	15300
12022A40	15768A 3
12022A41	22 - 15781A12
12092A13	15943A 1
12092A18	15967
12092A19	15969A09
12092A20	15969A10
84 - 12334A 2	15969A11
12335A 1	15969A13
12415	15985A02
12415A 2	15995
91 - <b>12427T</b>	16074T05
12569A 1	12 - 16140
12612Q 2	12 - 16140 2
43 - <b>12635</b> T	16145 2
12644A 1	16145Q01
12756A 1	12 - 16146
13191Q01	11 - 16147
13294451	11 - 16147 1
13294457	47 - 16154 1
13536A13	47 - 16154 3
13536A14	16159A03
22 - 13563Q 3	35 - 16248
22 - 13563Q 7	48 - 16312A46
33 - 13686Q	48 - 16314A46
48 - 13700A46	48 - 16315A46
48 - 13701A46	48 - 16316A46
48 - 13702A46	48 - 16317A46
48 - 13703A46	48 - 16318A46
48 - 13704A46	48 - 16436A45
48 - 13705A46	48 - 16436CP1
48 - 13706A46	48 - 16438A45
48 - 13707A46	48 - 16438CP1
11 - 13914Q02	48 - 16440A45
13914Q03	35 - 16595Q
33 - 14103550	16645A 4
33 - 14103568	26 - 16709A 2
33 - 14103Q	16755Q 1
14205M	16837A 2
22 - 14213Q	16839A 4
14359	16840A 2
14586	16841Q02
14586A 3	16909A 2 310, 313, 324, 326, 329, 332, 336, 340, 486
14586A 4	48 - 16986A46
14586A 6	48 - 16988A46
14586A 7	48 - 16990A46
34 - 14594A 2	48 - 16992A46
34 - 14594A 3	17024
87 - 14645A 4	17024A03
14801A 1	11027/100

17063T	18789T04
84 - 17162	18852M
84 - 17175	19220A 4
85 - 17198	47 - 19453T
85 - 17199	35 - 19485
85 - 17200	19608A14
17264T 2	19609A 6
17280A 2	19624A 1
48 - 17310A46	48 - 19636A10
48 - 17312A46	48 - 19638A40
	,,
48 - 17314A46	48 - 19639A40
17611T	48 - 19640A40
33 - 17719547	48 - 19644A 5
17729A 1	19669T
84 - 17829A10	87 - 19674A05
84 - 17829A 2	87 - 19674A06
84 - 17829A20	87 - 19674A07 311, 316, 327, 331, 335, 338, 342, 346, 349, 355, 596
18018A 1	87 - 19674A08 311, 316, 327, 331, 335, 338, 342, 346, 349, 355,
48 - 18278A46	596, 598
48 - 18280A46	87 - 19674A12 311, 316, 327, 331, 335, 338, 342, 346, 349, 355,
48 - 18281A46	596, 598
48 - 18281A56	87 - 19674A13 311, 316, 327, 331, 335, 338, 342, 346, 349, 355,
87 - 18286A17	596, 598
87 - 18286A18	87 - 19674A14
87 - 18286A19	87 - 19674A15
87 - 18286A46	33 - 19796
87 - 18286A47	48 - 19838A46
35 - 18458Q 3	48 - 19841A46
35 - 18458Q 4	12 - 20084
18563A 1	22831Q 3
48 - 18606A 6	24789A 1
48 - 18607A 6	12 - 27025
48 - 18608A 6	12 - 28421
48 - 18609A 6	12 - 29710
48 - 18610A 6	30185Q 3
,	30431104
48 - 18611A 6	30431108
	30431123
48 - 18613A 6	30431124
48 - 18614A40	30431125
48 - 18614A 6	30431126
48 - 18615A40	30431127
48 - 18615A 6	30431128
48 - 18616A40	30431129
48 - 18616A 6	30431130
48 - 18617A40	30431131
48 - 18617A 6	30431132
48 - 18618A40	
48 - 18618A 6	30431133
48 - 18619A40	30431134
48 - 18619A 6	91 - 30500
48 - 18620A 6	30635Q 3
48 - 18621A 6	12 - 31211Q03
18654A 1	31640Q 4
18787019	31640T07 101, 107, 111–114, 244, 245
18787T 2	31640T 4

31640T 6 100, 110–114, 187, 190, 191, 245	44357Q 2 70, 167, 209, 312, 317, 320, 322, 324, 325, 328,
11 - 31990Q02	332, 336, 339, 343, 346, 350, 357
32053T	44357T 2 312, 317, 328, 332, 336, 339, 343, 346, 350, 357
22 - 32561	45676T
34127T 2	84 - 46239A 1
92 - <b>34227Q02</b>	11 - 46335
34762A 1	46838A 4
34765A 2	46838A 6
14 - 34817	47820A 1
11 - 34933	18 - 47959
22 - 34982	47974A10
22 - 36305T	49734
37293T	5 -5010130CP
91 - 37299Q 2	5 -5010147CP
38859A 1	5 -5010162CP
12 - 39701	5 -5010181CP
12 - 39817	5 -5010194CP
11 - 40119 12	5 -5111200TP
11 - 40119Q02	5 -5111300TP
7 7 7 7	5 -5111400TP
	5 -5111600TP
41323A03	5 -5121200TP
54 - 41582Q 7	5 -5121300TP
41729A 3	5 -5121400TP
23 - 42091 1	5 -5121600TP
42121Q02	
42282A 4	
13 - 42351 1	5 -5231100TP
42594T	5 -5231200TP
42600A09	5 -5231300TP
42600A14	5 -5237100TP
42600A18	5 -5237200TP
42630 1	
48 - 42738A45	
48 - 42738CP1	11 - 52707Q 1
48 - 42740A45	5 -5331200TP
42805A 6	5 -5331400TP
47 - 43026Q02	5 -5331500TP
47 - 43026T 2	5 -5331600LP
43549	5 -5331600TP
48 - 43592A71	5 -5337400TP
43615T 1	
43636T	5 -5337500TP
43672	5 -5337600TP
43676T	
91 - 43693A 2	54212A 7
43 - 44102A 2	
44267A02	5 -5441400LP
44267A03	
44267A04	
44267A05	5 -5441500TP
44267A06	
44267A07	5 -5441600TP
44267A08	5 -5441700TP
44349A 1	5 -5447500TZ
	0 -04470001Z

5 -5447600TZ	6 -6315002TP
54737T	6 -6345002TP
12 - 54738	11 - 64075A 1
32 - 54950 53	6 -6511002NZ
32 - 54950600	57 - 65607Q
12 - 55072	87 - 66581
12 - 55073A 2	87 - 66582
55074T	32 - 67032A12
55989Q 9	32 - 67032A24
55989T 3	32 - 67032A36
12 - 56355	32 - 67032A48
57908 11	32 - 67032A72
58366T 2	32 - 67032A96
35 - 59072	10 - 67755005
47 - 59362T 6	10 - 67755 1
33 - 59571B	10 - 67755 2
5 -5E31200UP	10 - 67755A13
5 -5E31900UP	10 - 67755A14
5 -5H41300UP	10 - 67755A15
5 -5H41400UP	10 - 67755A17
5 -5H41600TZ	10 - 67755A18
5 -5J31200TP	10 - 67755A22
5 -5J31300TP	10 - 67755A26
5 -5J37200TP	68858T
5 -5J37300TP	68861T
5 -5K31500TP	84 - 69108A 5
5 -5K31600TP	6 -6911002TP
5 -5K37400TP	69355
5 -5K37600TP	11 - 69578Q 1
5 -5L41300TP	6 -6A15002TP
5 -5L41400TP	6 -6A45002TP
5 -5L41500TP	83 - 70350A 2
5 -5L41600TP	70599A 5
5 -5L41700TP	22 - 72932A 3
5 -5L47400TP	72957A 5
5 -5L47500TP	72958A 5
5 -5L47600TP	48 - 73132A45 712, 739, 740, 752–754, 760, 832, 885, 889
5 -5M41600TP	48 - 73134A45 712, 739, 740, 752–754, 760, 832, 885 48 - 73136A45 712, 731, 739, 740, 752, 753, 760, 832, 885
6 -6010000CP	48 - 73138A45 712, 731, 739, 740, 752, 753, 760, 832, 885
86 - 60602T	48 - 73140A45 712, 731, 739, 740, 752, 753, 760, 832, 885, 889
86 - 60831T	48 - 73142A45 712, 731, 739, 740, 752, 753, 760, 885, 888
86 - 60878T	48 - 73144A45 712, 731, 739, 740, 752, 753, 760, 885, 888
6 -61000002P	73345A 1
61086A11	35 - 73532
6 -6111002LP	91 - 74057Q 5
84 - 61378A 2	91 - 74057Q 6
86 - 61606T	74639A 2
87 - 61691	75095Q 2
6 -620000091	76214 4
6 -62000010P	76214 6
6 -62000012P	76214A 6
62351A10	76214Q 5 101, 114, 187, 244–247, 913, 926
62999	76214T 1
6 -6311002NZ	76214T 3

76214T 5 107, 108, 191, 247, 248	92 -802878Q14
14 - 76281	
	92 -802878Q16
14 - 76281Q	92 -802878Q21
76366T04	92 -802878Q30
76409F 1	92 -802878Q32
76426A 9	92 -802878Q39
76535T	92 -802878Q50
26 - 76868A04	92 -802878Q52
48 - 77338A45 713, 720, 730, 731, 736–740, 750–753, 761, 832, 886	92 -802878Q53
48 - 77338CP1	92 -802878Q54
48 - 77340A45 713, 720, 730, 731, 736–740, 750–753, 761, 832, 886	92 -802878Q55
48 - 77340CP1	92 -802879Q 1
48 - 77342A45 713, 720, 730, 731, 736–740, 750–753, 761, 832, 886	802889A 1
48 - 77344A45 713, 720, 728, 729, 731, 736–738, 743, 744, 749,	802889Q 1 97, 305, 328, 332, 335, 339, 356
751, 761, 832, 886	35 -802893A 4
48 - 77346A45 713, 720, 728, 729, 731, 736–738, 743, 744, 749,	35 -802893Q01
751, 761, 832, 886, 891	35 -802893Q 4
48 - 77348A45 713, 720, 728, 729, 731, 736–738, 743, 744, 749,	64 -802894A12
751, 760, 832, 886, 891 48 - 77350A45 713, 720, 728–731, 736–738, 743, 744, 749, 751,	64 -802894A13
46 - 77350A45 713, 720, 720–731, 730–730, 743, 744, 749, 751, 760, 833, 886, 891	64 -802894A14
77409A 1	64 -802894A15
77409B 1	64 -802895A15
48 - 78112A45 714, 717, 722, 729, 730, 735, 736, 749, 761, 833,	64 -802902A 1
881, 893	803061T 1
78112CP1	31 -803496T 1
48 - 78114A45 714, 717, 721, 729, 730, 734–736, 749, 761, 833,	43 -803500T 1
881, 893	33 -803507
48 - 78114CP1	803583A 4
48 - 78116A45 714, 717, 721, 727, 729, 730, 734–737, 749, 750,	35 - 80365M
761, 833, 880, 881, 893	803731
48 - 78116CP1	803743
88 - 79023A91	803743Q01
88 - 79023A93	803743Q02
88 - 79023A94	47 -803748
88 - 79023T10	47 -803748 1
88 - 79023T56	47 -803748Q01
88 - 79023T90	47 -803748Q02
88 - 79091	803833T
79476A 1	803890T
79476A 3	62 -803905
79476A 4	47 -803984T
79476A 5	47 -803985T
79476A 6	804043
79 - <b>79889A</b> 1	64 -804378A 1
802002Q 1	91 -804510
802010Q 1	804540
91 -802653K02	22 -804787Q
91 -802653Q02 96, 306, 322, 323, 325, 328, 332	22 -804787T
802755	3302-804844002
92 -802859Q 1	805100
92 -802861Q 1	805101T
92 -802863Q 1	805130A 6
92 -802878Q 1	805130A 8
92 -802878Q10	805134A 3
92 -802878Q12	805134A 6

805218T	67 -808887Q
805265A 1	35 -809100
87 -805268	35 -809101
79 -805289A 1	809485
	,
805320A03	809486
91 -805457T 1	62 -809521 1
91 -805475A 1	62 -809521 5
805759Q 3	62 -809521 6
35 -805809T	62 -809527005
805984A 1	62 -809527006
806000	62 -809527T07
806054A 1	62 -809527T08
806105Q 1	62 -809527T09
806105T 1	
806187A 1	62 -809610
806188A 2	809662T 105, 185, 186, 190, 191, 913
806188Q01	809664A 1 105, 185, 186, 190, 191, 912
806189A 2	809666A02
806189Q 1	809666A03
806189T 1	809666T
806190A 2	809666T01
806190Q 1	809670T
806190T 1	62 -809685 1
806193A49	62 -809685 3
35 -806329A 1	62 -809685 4
806385T	809690A 1
23 -806445A 1	62 -809773
806490T	62 -809777
806688A02	62 -809777004
91 -806794A02	62 -809777 2
22 -806836A 3	35 -809867
22 -806837A 1	35 -809868T
22 -806837A 2	64 -809883A 1
806843A06	62 -811307T02
806843A 2	62 -811307T04
,	
46 -807151A25	62 -811307T05
46 -807151A 5	62 -811309
35 -807172A 1	62 -811309003
807252Q 5	62 -811309 2
35 -807256T	62 -811310003
807459A09	62 -811310 2
807459A 3	811635Q 2
807477A 5	62 -811823T05
807611T	62 -811823T06
807639A 3	84 -812441A10
807901A 3	84 -812441A15
	, , , , , ,
807901A 5	84 -812441A20
807901T 6	84 -812475A20
91 -807903A 1	84 -812475A25
807963A 1	84 -812475A 3
54 -808112	812497A 4
35 -808275	812497A 5
62 -808647T	812497A 6
91 -808696	812497T03
67 -808840Q	88 -812619

1263-812718A 2	35 -816296A 3
84 -812835A30	35 -816296Q03
84 -812835A45	35 -816296Q 2
48 -812948A10	54 -816311T
48 -812949A02	816318A 4
48 -812950A02	33 -816336Q
48 -812950A10	22 -816339
48 -812951A02	816366A42
	., .
48 -812954A10	816366A48
46 -812966A12	816366A52
33 -813413	816431A 1
33 -813415	816492A 9
33 -813418	26 -816575A 4
33 -813421 4	84 -816626A11
33 -813425	84 -816626A15
33 -813469	84 -816626A 2
33 -813471 1	84 -816626A20
33 -813472	84 -816626A24
86 -813936T	84 -816626A25
86 -813937A 2	84 -816626A29
86 -813937T	84 -816626A30
87 -813960A 4	84 -816626A 8
10 -814259	14 -816629Q
87 -814324A 2	816667A 2
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48 -8M0049682       806         48 -8M0049683       807         48 -8M0049684       807         48 -8M0049685       806         48 -8M0049686       806         48 -8M0049687       806         48 -8M0049689       806         48 -8M0049690       806         48 -8M0049691       806         48 -8M0049692       806         48 -8M0049693       806         48 -8M0049694       806         48 -8M0049695       806         48 -8M0049697       806         48 -8M0049699       806         48 -8M0049700       806         48 -8M0049701       806         48 -8M0049702       806         48 -8M0049703       806         48 -8M0049704       806	79 -8M0050399       311, 313, 318, 319, 321, 323, 327, 330, 340, 353, 468         62 -8M0050413
48 -8M0049682       806         48 -8M0049683       807         48 -8M0049684       807         48 -8M0049685       806         48 -8M0049686       806         48 -8M0049687       806         48 -8M0049688       806         48 -8M0049690       806         48 -8M0049691       806         48 -8M0049692       806         48 -8M0049693       806         48 -8M0049694       806         48 -8M0049695       806         48 -8M0049697       806         48 -8M0049698       806         48 -8M0049700       806         48 -8M0049701       806         48 -8M0049702       806         48 -8M0049703       806         48 -8M0049704       806         48 -8M0049705       806	79 -8M0050399       311, 313, 318, 319, 321, 323, 327, 330, 340, 353, 468         62 -8M0050413       .955         35 -8M0050833       .206, 215         8M0051061       .44, 51         8M0051062       .44, 51         32 -8M0051174       .146, 151, 157         32 -8M0051175       .146, 151, 158         32 -8M0051176       .146, 151, 158         8M0051178       .153, 159         8M0051209       .215         8M0052100       .95, 307         8M0052292       .606         8M0052735       .160         8M0052739       .161         84 -8M0052742       .161         84 -8M0052774       .551, 570         79 -8M0052842       .389         79 -8M0052844       .390         79 -8M0052845       .390         79 -8M0052846       .390
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48 -8M0049682       806         48 -8M0049683       807         48 -8M0049684       807         48 -8M0049685       806         48 -8M0049686       806         48 -8M0049687       806         48 -8M0049688       806         48 -8M0049690       806         48 -8M0049691       806         48 -8M0049692       806         48 -8M0049693       806         48 -8M0049694       806         48 -8M0049695       806         48 -8M0049697       806         48 -8M0049698       806         48 -8M0049700       806         48 -8M0049701       806         48 -8M0049702       806         48 -8M0049703       806         48 -8M0049704       806         48 -8M0049705       806	79 -8M0050399       311, 313, 318, 319, 321, 323, 327, 330, 340, 353, 468         62 -8M0050413       .955         35 -8M0050833       .206, 215         8M0051061       .44, 51         8M0051062       .44, 51         32 -8M0051174       .146, 151, 157         32 -8M0051175       .146, 151, 158         32 -8M0051176       .146, 151, 158         8M0051178       .153, 159         8M0051209       .215         8M0052100       .95, 307         8M0052292       .606         8M0052735       .160         8M0052739       .161         84 -8M0052742       .161         84 -8M0052774       .551, 570         79 -8M0052842       .389         79 -8M0052844       .390         79 -8M0052845       .390         79 -8M0052846       .390

19. 84M0052861		
19	79 -8M0052850	67 -8M0054121
19	79 -8M0052851	67 -8M0054122
19	79 -8M0052852	67 -8M0054123
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79 BM00052856         399 BM00052857         399 BM00052851         500 600           79 BM00052857         399 BM00052851         75.312,316,328,332           79 BM00052864         386 BM00054314         312,316,328,332           79 BM00052865         387 32 BM0054323         74           79 BM00052867         387 32 BM0054324         74           79 BM00052868         387 32 BM0054325         74           79 BM00052869         387 32 BM0054325         75,312,316           79 BM00052870         388 32 BM0054327         75           79 BM00052871         388 32 BM0054327         75           79 BM00052872         388 79 BM0054324         332           79 BM0052873         389 79 BM0054327         75           79 BM0052874         388 79 BM0054327         35           79 BM0052875         388 79 BM0054324         332           79 BM0052876         389 24 BM0054327         36           79 BM0052877         389 24 BM0054329         382           79 BM0052878         389 27 BM0054324         383           79 BM0052879         396 28 BM0054329         382           79 BM0052876         398 28 BM0054329         382           80 BM0054729         389 28 BM005493         313,33,33,340	79 -8M0052854	84 -8M0054185
9-9 - 8M0052857         399         88 - 8M0054244         5.50, 600           79 - 8M0052858         399         88 - 8M0054313         7.5, 312, 316, 328, 332           79 - 8M0052865         386         8M0054314         312, 316, 328, 332           79 - 8M0052865         387         32 - 8M0054323         7.4           79 - 8M0052867         387         32 - 8M0054324         7.4           79 - 8M0052867         387         32 - 8M0054325         7.5           79 - 8M0052867         387         32 - 8M0054326         7.5           79 - 8M0052867         388         387         32 - 8M0054325         7.5           79 - 8M0052867         388         380         380         7.5         7.5         7.5         7.5         7.9         8.0         7.5	79 -8M0052855	84 -8M0054186
79 8M0052888         399         8M0054313         75, 312, 316, 328, 332           79 8M0052864         386         8M0054315         72, 23, 32           79 8M0052866         387         32, 8M0054323         74           79 8M0052867         387         32, 8M0054324         74           79 8M0052868         387         32, 8M0054325         75, 312, 316           79 8M0052869         387         32, 8M0054326         75, 312, 316           79 8M0052871         388         32, 8M0054327         75, 512, 316           79 8M0052872         388         32, 8M0054327         75, 312, 316           79 8M0052873         388         79, 8M0054374         389           79 8M0052874         388         79, 8M0054374         389           79 8M0052875         388         79, 8M0054374         389           79 8M0052877         396         48, 8M0054728         80.5           79 8M0052878         396         48, 8M0054728         80.5           79 8M0052877         397         397         8M0052879         398         8M0054769         90.2         26.8           79 8M0052878         396         48, 8M0054789         32, 33         313, 336, 340         32, 33         33, 33, 34 </td <td>79 -8M0052856</td> <td>84 -8M0054187</td>	79 -8M0052856	84 -8M0054187
99         8M0052864         386         8M0054314         312, 316, 328, 332           79         8M0052865         387         32         8M0054323         74           79         8M0052867         387         32         8M0054324         74           79         8M0052867         387         32         8M0054325         75         74           79         8M0052868         387         32         8M0054325         75         312, 316           79         8M0052869         387         32         8M0054326         75, 312, 316           79         8M0052870         388         32         8M0054327         75           79         8M0052871         388         38         9M0054331         312, 316           79         8M0052872         388         120         8M0054374         389           79         8M0052873         389         120         8M00540374         313, 33, 33, 343           79         8M0052874         395         48         8M0054728         393         29           79         8M0052875         395         48         8M0052879         9.02         20         20         20         20         20	79 -8M0052857	86 -8M0054244
79         8M0062866         387         32         8M0054323         74           79         8M0052866         387         32         8M0054325         74           79         8M0052868         387         32         8M0054325         75           79         8M0052868         387         32         8M0054327         75           79         8M0052869         387         32         8M0054327         75           79         8M0052871         388         78         8M0054327         75           79         8M0052873         388         79         8M0054327         338           79         8M0052873         388         79         8M0054374         339           79         8M0052873         388         79         8M0054727         369           79         8M0052876         398         120         8M0054727         360         90           79         8M0052876         398         8M0054729         90         92           79         8M0052877         397         8M005499         28         33           79         8M0052878         393         8M0055002         28         33           <	79 -8M0052858	8M0054313
79         8M0062866         387         32         8M0054323         74           79         8M0052866         387         32         8M0054325         74           79         8M0052868         387         32         8M0054325         75           79         8M0052868         387         32         8M0054327         75           79         8M0052869         387         32         8M0054327         75           79         8M0052871         388         78         8M0054327         75           79         8M0052873         388         79         8M0054327         338           79         8M0052873         388         79         8M0054374         339           79         8M0052873         388         79         8M0054727         369           79         8M0052876         398         120         8M0054727         360         90           79         8M0052876         398         8M0054729         90         92           79         8M0052877         397         8M005499         28         33           79         8M0052878         393         8M0055002         28         33           <	79 -8M0052863	8M0054314
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79         8M0052867         387         32         8M0054325         7,4           79         8M0052869         387         32         8M0054327         75,312,316           79         8M0052871         388         32         8M0054350         322           79         8M0052872         388         79         8M0054373         32         389           79         8M0052874         388         79         8M0054727         380         389           79         8M0052874         395         48         8M0054728         389         389           79         8M0052875         395         48         8M0054728         805         805           79         8M0052876         396         8M0054939         313,336,340         389         313,336,340           79         8M0052877         397         8M0054939         313,336,340         28,322,33         380         380         28,322,33         380         380         380         28,322,33         380         380         28,322,33         380         380         380         380         380         380         380         380         380         380         380         380         380         380	79 -8M0052865	32 -8M0054323
79         8M0052867         387         32         8M0054325         7,4           79         8M0052869         387         32         8M0054327         75,312,316           79         8M0052871         388         32         8M0054350         322           79         8M0052872         388         79         8M0054373         32         389           79         8M0052874         388         79         8M0054727         380         389           79         8M0052874         395         48         8M0054728         389         389           79         8M0052875         395         48         8M0054728         805         805           79         8M0052876         396         8M0054939         313,336,340         389         313,336,340           79         8M0052877         397         8M0054939         313,336,340         28,322,33         380         380         28,322,33         380         380         380         28,322,33         380         380         28,322,33         380         380         380         380         380         380         380         380         380         380         380         380         380         380	79 -8M0052866	32 -8M0054324
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79 - 8M0052871         388         79 - 8M0052873         399           79 - 8M0052873         389         100 - 8M005400         312, 316, 319, 321, 323, 325, 328, 331, 335, 339, 343           79 - 8M0052876         395         48 - 8M0054728         95           79 - 8M0052876         396         48 - 8M0054728         90.5           79 - 8M0052877         397         8M0054999         90.2 9.6           79 - 8M0052878         397         8M0054999         28, 32, 33           8 - 8M0052921         398         8M0054999         28, 32, 33           8 - 8M0053074         915         8M0055000         28, 32           8 - 8M0053074         313, 317, 336, 340, 344, 346, 647         48 - 8M0055008         29, 31, 33           8 - 8M0053476         647         48 - 8M0055008         29, 31, 33           8 - 8M0053477         647         48 - 8M0055031         824, 829, 833, 836, 842-844, 848, 849, 851, 82, 857, 864           2 - 8M0053478         647         48 - 8M0055533         824, 829, 833, 836, 842-844, 848, 849, 851, 82, 857, 8		
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79 - 8M0052874         395         48 - 8M0054727         805           79 - 8M0052876         395         48 - 8M0054728         805           79 - 8M0052877         398         8M0054799         902, 926           79 - 8M0052878         397         8M0054999         28, 32, 33           79 - 8M0052879         398         8M0055000         28, 32           8 M0052921         93         8M0055001         28, 31-33           8 M0053034         572, 604         8M0055002         28, 31           8 - 8 M0053050         28, 31-33         38         38           8 - 8 M0053074         915         8M0055002         28, 31           8 - 8 M0053475         606         22 - 8M0055036         29, 31, 33           8 - 8 M0053476         647         48 - 8M0055526         650           2 - 8 M0053477         647         48 - 8M0055531         824, 829, 833, 836, 842-844, 848, 849, 851, 851, 854           2 - 8 M0053478         647         48 - 8M0055533         824, 829, 833, 836, 842-844, 848, 849, 851, 851, 854           2 - 8 M0053489         648         648         48 - 8M0055534         824, 829, 833, 836, 842-845, 848, 849, 851, 851, 854           2 - 8 M0053489         648, 667         48 - 8M0055555         824, 829, 833, 836, 84		
79 - 8M0052875         395         48 - 8M0054768         .805           79 - 8M0052876         398         8M0054769         .902, 926           79 - 8M0052877         397         8M0054993         .313, 336, 340           79 - 8M0052878         397         8M0054999         .28, 32, 33           79 - 8M0052879         398         8M0055000         .28, 32           8 M0052924         93, 350, 929         8M0055002         .28, 31           8 M0053074         915         8M0055003         .28, 31           8 - 8M0053250         606         22 - 8M0055502         .28, 31           2 - 8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48 - 8M0055531         824, 829, 833, 836, 842-844, 848, 849, 851, 844, 849		
79 - 8M0052876         398         8M0054769         902, 926           79 - 8M0052877         397         8M0054993         313, 336, 340           79 - 8M0052878         397         8M0055000         28, 32           8M0052921         93         8M0055001         28, 31-33           8M0053074         915         8M0055002         28, 31-33           84 - 8M0053083         572, 604         8M0055003         22, 31           84 - 8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48 - 8M0055326         606           22 - 8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48 - 8M0055531         824, 829, 833, 836, 842-844, 848, 849, 851, 851, 864           32 - 8M0053475         647         48 - 8M0055534         824, 829, 833, 836, 842-844, 848, 849, 851, 852, 876, 864           32 - 8M0053478         647         48 - 8M0055534         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 876, 864           32 - 8M0053480         648         48 - 8M0055553         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053481         648         48 - 8M0055553         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053482         648         648         667         48 - 8M0055553         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864		
79 - 8M0052877         397         8M0054993         313, 336, 340           79 - 8M0052878         397         8M0054999         28, 32, 33           79 - 8M0052891         398         8M0055000         28, 31-33           8M0052924         93, 350, 929         8M0055002         28, 31-33           8 - 8M0053033         572, 604         8M0055003         28, 31           8 - 8M0053030         606         22 - 8M0055008         29, 31, 33           8 - 8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48 - 8M0055531         824, 829, 833, 836, 842-844, 848, 849, 851, 822, 840053475         647         48 - 8M0055531         824, 829, 833, 836, 842-844, 848, 849, 851, 824, 849, 851, 824, 829, 833, 836, 842-844, 848, 849, 851, 858, 849, 851, 858, 849, 851, 849, 851, 849, 851, 849, 851, 849, 851, 849, 851, 858, 849, 851, 849, 851, 849, 851, 849, 851, 849, 851, 849, 851, 858, 849, 851, 858, 849, 851, 858, 849, 851, 858, 849, 851, 858, 849, 851, 858, 849, 851, 858, 849, 851, 858, 849, 851, 858, 8		
79 - 8M0052878         397         8M0052879         28, 32, 33           79 - 8M0052879         398         8M0055000         28, 32           8M0052924         93, 350, 929         8M0055002         28, 31           8 M0053074         915         8M0055003         28, 31           8 - 8M0053083         572, 604         8M0055003         29, 31, 33           8 - 8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48, 8M0055503         824, 829, 833, 836, 842-844, 848, 849, 851, 32, 857, 864           32 - 8M0053475         647         48, 8M0055503         824, 829, 833, 836, 842-844, 848, 849, 851, 32, 857, 864           32 - 8M0053476         647         48, 8M0055533         824, 829, 833, 836, 842-844, 848, 849, 851, 32, 857, 864           32 - 8M0053479         647         48, 8M0055534         824, 829, 833, 836, 842-845, 848, 849, 851, 82, 857, 864           32 - 8M0053481         648         48, 8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053482         648         48, 8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053485         648, 667         48, 8M0055536         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053489         648, 667         48, 8M00555536         824, 829, 833, 836, 842-8		
79 - 8M0052879         398         8M0055000         28, 32           8M0052924         93         38M0055001         28, 31-33           8M0053074         915         8M0055002         28, 31           84 - 8M0053083         572, 604         8M0055008         29, 31, 33           84 - 8M0053250         606         22 - 8M0055326         29, 31, 33           2 - 8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48 - 8M0055531         824, 829, 833, 836, 842-844, 848, 849, 851, 822, 887, 864           32 - 8M0053475         647         48 - 8M0055533         824, 829, 833, 836, 842-844, 848, 849, 851, 822, 887, 864           32 - 8M0053476         647         48 - 8M0055534         824, 829, 833, 836, 842-844, 848, 849, 851, 822, 800, 800, 800, 800, 800, 800, 800		•
8M0052921         93         8M0055001         28, 31–33           8M0053044         93, 350, 929         8M0055002         28, 31           84 -8M0053083         572, 604         8M0055003         28, 31           84 -8M0053250         606         22 -8M0055326         606         28, 31           2 -8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48 -8M0055531         824, 829, 833, 836, 842–844, 848, 849, 851, 82, 87, 864           2 -8M0053476         647         48 -8M0055533         824, 829, 833, 836, 842–844, 848, 849, 851, 82, 87, 864           2 -8M0053478         647         48 -8M0055534         824, 829, 833, 836, 842–845, 848, 849, 851, 82, 840, 851, 82, 852, 857, 864, 82, 840, 851, 82, 840,		
8M0052924         93, 350, 929         8M0055002         28, 31           8M0053074         915         8M0055003         28, 31           8-8M0053260         606         22 -8M0053266         606         29. 8M0055018         29, 31, 33           2-8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48 -8M0055531         824, 829, 833, 836, 842-844, 848, 849, 851, 852, 857, 864           2-8M0053475         647         48 -8M0055533         824, 829, 833, 836, 842-844, 848, 849, 851, 852, 857, 864           2-8M0053478         647         48 -8M0055534         824, 829, 833, 836, 842-845, 848, 849, 851, 82, 878, 864           2-8M0053480         648         48 -8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 82, 878, 864           2-8M0053481         648         88M0053482         824, 829, 833, 836, 842-845, 848, 849, 851, 82, 878, 864           2-8M0053483         648, 667         48 -8M0055536         824, 829, 833, 836, 842-845, 848, 849, 851, 82, 878, 864           2-8M0053485         648         48 -8M0055537         824, 829, 833, 836, 842-845, 848, 849, 851, 82, 827, 864           2-8M0053486         648, 667         48 -8M00555567         824, 829, 833, 836, 842-845, 848, 849, 851, 82, 824, 829, 833, 836, 842-845, 848, 849, 851, 824, 829, 833, 836, 842-845, 848, 849, 851, 824, 829, 833, 836, 842-845, 848, 849, 851, 824, 829, 833, 836, 842-845, 848, 849, 851, 824, 829, 834, 854, 829, 833,		-,-
8M0053074         915         8M0055003         28, 31           84 - 8M0053083         572, 604         8M0055008         29, 31, 33           84 - 8M0053250         606         22 - 8M0055326         824, 829, 833, 836, 842-844, 848, 849, 851, 842, 880053475           28 - 8M0053476         647         48 - 8M0055533         824, 829, 833, 836, 842-844, 848, 849, 851, 822, 857, 864           32 - 8M0053477         647         852, 857, 864           32 - 8M0053478         647         48 - 8M0055534         824, 829, 833, 836, 842-844, 848, 849, 851, 852, 857, 864           32 - 8M0053479         648         8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053481         648         48 - 8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053482         648         48 - 8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053483         648         48 - 8M0055536         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053484         648, 667         48 - 8M0055537         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053485         648, 667         48 - 8M0055537         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053489         648, 667		8M0055002
84 - 8M0053083         572, 604         8M0055008         29, 31, 33           84 - 8M0053250         606         22 - 8M0055326         6.60         650           32 - 8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48 - 8M0055531         824, 829, 833, 836, 842-844, 848, 849, 851, 822, 857, 864           32 - 8M0053476         647         48 - 8M0055533         824, 829, 833, 836, 842-844, 848, 849, 851, 852, 857, 864           32 - 8M0053478         647         48 - 8M0055534         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053480         648         48 - 8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053481         648         48 - 8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 829, 851, 848, 849, 851, 852, 857, 864           32 - 8M0053482         648         48 - 8M0055536         824, 829, 833, 836, 842-845, 848, 849, 851, 829, 851, 852, 857, 864           32 - 8M0053483         648, 667         48 - 8M0055537         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053486         648, 667         48 - 8M0055537         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053487         648, 667         48 - 8M0055550         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053489         648, 667	8M0053074	•
84 - 8M0053250         606         22 - 8M0055326         650           32 - 8M0053474         313, 317, 336, 340, 344, 346, 647, 667         48 - 8M0055531         824, 829, 833, 836, 842-844, 848, 849, 851, 852, 857, 864           32 - 8M0053476         647         48 - 8M0055533         824, 829, 833, 836, 842-844, 848, 849, 851, 822, 857, 864           32 - 8M0053477         647         48 - 8M0055534         824, 829, 833, 836, 842-845, 848, 849, 851, 822, 857, 864           32 - 8M0053479         648         48 - 8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 822, 857, 864           32 - 8M0053480         648         48 - 8M0055535         824, 829, 833, 836, 842-845, 848, 849, 851, 822, 857, 864           32 - 8M0053482         648         48 - 8M0055536         824, 829, 833, 836, 842-845, 848, 849, 851, 822, 857, 864           32 - 8M0053484         648, 667         48 - 8M0055536         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053486         648, 667         48 - 8M0055536         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053489         648, 667         48 - 8M0055553         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053491         648, 667         48 - 8M00555564         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           33 - 8M0053492         648, 667		•
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32 - 8M0053475		
32 - 8M0053477       647       852, 857, 864         32 - 8M0053478       647       48 - 8M0055534       824, 829, 833, 836, 842–845, 848, 849, 851, 852, 857, 864         32 - 8M0053480       648       48 - 8M0055535       824, 829, 833, 836, 842–845, 848, 849, 851, 852, 857, 864         32 - 8M0053481       648       48 - 8M0055536       824, 829, 833, 836, 842–845, 848, 849, 851, 852, 857, 864         32 - 8M0053482       648, 667       48 - 8M0055537       824, 829, 833, 836, 842–845, 848, 849, 851, 852, 857, 864         32 - 8M0053484       648, 667       48 - 8M0055537       824, 829, 833, 836, 842–845, 848, 849, 851, 852, 857, 864         32 - 8M0053486       648, 667       48 - 8M0055547       766, 826, 833         32 - 8M0053488       648, 667       48 - 8M0055548       766, 826, 833         32 - 8M0053499       648, 667       48 - 8M0055559       766, 826, 833         32 - 8M0053491       648       48 - 8M0055560       826, 828, 833, 836, 839, 841, 858, 864         32 - 8M0053492       648       48 - 8M0055560       826, 828, 833, 836, 839, 841, 858, 864         32 - 8M0053492       648       48 - 8M0055560       826, 828, 833, 836, 839, 841, 858, 864         32 - 8M0053492       648       48 - 8M0055560       826, 828, 833, 836, 839, 841, 858, 864         34 - 8M0053532       433, 437, 442, 446,	32 -8M0053475	852, 857, 864
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32 - 8M0053479         648         48 - 8M0055355         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053481         648         48 - 8M0055366         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053482         648         48 - 8M0055366         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053483         648, 667         48 - 8M0055537         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053484         648, 667         48 - 8M0055537         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053485         648, 667         48 - 8M0055537         824, 829, 833, 836, 842-845, 848, 849, 851, 852, 857, 864           32 - 8M0053486         648, 667         48 - 8M0055547         766, 826, 833           32 - 8M0053487         648, 667         48 - 8M0055548         766, 826, 833           32 - 8M0053488         648, 667         48 - 8M0055550         766, 826, 833           32 - 8M0053490         648         48 - 8M0055550         86, 828, 833, 836, 839, 841, 858, 864           32 - 8M0053492         648         48 - 8M0055560         826, 828, 833, 836, 839, 841, 858, 864           32 - 8M0053492         648         48 - 8M0055560         826, 828, 833, 836, 839, 841, 858, 864           34 - 8M0055322         433	32 -8M0053477	
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92 - 8M0096961	8M0089516	8M0094233
92 - MINOSSES 2 282 48 - MINOSSES 734 8.4 MINOSSES 2 54.2 MINOSSES 735 8.4 MINOSSES 3 5.5 MINOSSES 3 785 8.4 MINOSSES 3 787 8.4	92 -8M0089690	84 -8M0094239
84 - 8000699715         264, 256         48 800069431         7.24           84 - 800069909         5.24         28 800094523         244-246           80 0000334         29         48 800094553         7.95           80 00000442         94, 33         28 800094655         128, 129           80 00000447         337, 342, 427, 561         92 800094988         3.01           48 800000453         779, 790         92 800094988         3.01           48 800000455         779, 790         80 80009457         158           80 800000457         779, 790         80 80009454         118, 119, 121, 254, 256           80 800000559         250         38 80009454         118, 119, 121, 254, 256           80 800000569         81, 245, 247, 248         80009653         476           80 800000566         48, 245, 247, 248         80009653         476           80 800000666         40, 244, 245, 33         80009669         86, 24           80 8000001561         103, 107, 244, 245, 33         80009669         86, 24           80 8000001565         781, 791         84, 80009669         86, 24           80 8000001566         103, 107, 244, 245, 33         80009669         86, 24           80 800000167         178, 791 </th <th>92 -8M0089691</th> <th>84 -8M0094269</th>	92 -8M0089691	84 -8M0094269
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8M0103839         43,50         97-8M0107548         99           8M0103840         43,50         97-8M0107550         99           8M0103982         123         48-8M0107948         802           8M0104197         43,50         94-8M0107940         933           8M0104198         43,51         8M0108314         516           47-8M010429         253-257         48-8M0108350         780,790           48-8M0104250         795         48-8M0108352         780,790           48-8M0104252         799         48-8M0108352         780,790           48-8M0104253         799         48-8M0108353         780,790           48-8M0104417         778,790         48-8M0108357         780,790           48-8M0104418         778,790         48-8M0108441         804           48-8M0104419         778,790         48-8M010842         804           48-8M0104410         778,790         48-8M010842         804           48-8M0104716         802         53-8M010869         237           8M0105087         59,65,343         67-8M0108695         237           8M0105088         59,65,343         8M010899         518           8M0105090         59,65,339         8M01090	·	
8M0103840         43,50         97-8M0107550         99           35-8M0103963         177         48-8M0107949         802           8M0103982         123         48-8M0107970         933           8M0104197         43,50         94-8M0107970         933           8M0104198         43,51         8M0108314         516           47-8M0104229         253-257         48-8M0108350         780,790           48-8M0104250         795         48-8M0108351         780,790           48-8M0104251         795         48-8M0108352         780,790           48-8M0104252         799         48-8M0108354         780,790           48-8M0104417         778,790         48-8M0108354         780,790           48-8M0104418         778,790         48-8M0108414         804           48-8M0104419         778,790         48-8M0108414         804           48-8M0104420         778,790         48-8M0108412         804           48-8M0104716         802         53-8M010842         804           48-8M0105089         59,65,339         8010842         804           48-8M0105089         59,65,339         8010899         518           8M0105089         59,65,339         80	·	
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8M010382         123         48 -8M0107949         802           8M0104197         43, 50         94 -8M0107970         933           8M0104198         43, 51         8M0108314         516           47 -8M0104229         253-257         48 -8M0108350         780, 790           48 -8M0104251         795         48 -8M0108351         780, 790           48 -8M0104252         799         48 -8M0108353         780, 790           48 -8M0104253         799         48 -8M0108354         780, 790           48 -8M0104417         778, 790         48 -8M0108357         780, 790           48 -8M0104418         778, 790         48 -8M0108414         804           48 -8M0104419         778, 790         48 -8M0108412         804           48 -8M0104716         802         53 -8M0108472         911           48 -8M0104717         802         67 -8M0108695         237           8M0105089         59, 65, 343         67 -8M0108695         237           8M0105089         59, 65, 339         8M010899         518           8M0105210         918         8M010900         518           8-8M0105264         85         48 -8M0109050         129, 213           8-8M0105389         <		
8M0104197         43,50         94 - 8M0107970         933           8M0104198         43,51         8M0108314         516           47 - 8M0104229         253-257         48 - 8M0108350         780,790           48 - 8M0104251         795         48 - 8M0108351         780,790           48 - 8M0104252         799         48 - 8M0108352         780,790           48 - 8M0104253         799         48 - 8M0108354         780,790           48 - 8M0104417         778,790         48 - 8M0108357         780,790           48 - 8M0104418         778,790         48 - 8M0108414         804           48 - 8M0104419         778,790         48 - 8M0108412         804           48 - 8M0104716         802         53 - 8M0108472         911           48 - 8M0104716         802         53 - 8M0108695         237           8M0105087         59,65,343         67 - 8M0108695         237           8M0105089         59,65,339         8M0106999         518           8M0105080         59,65,339         8M010999         518           8M0105263         85         80         67 - 8M010899         518           8M0105264         85         48 - 8M0109050         129,213		
8M0104198         43,51         8M0108314         516           47 8M0104229         253-257         48 -8M0108350         780,790           48 8M0104250         795         48 -8M0108351         780,790           48 8M0104251         795         48 -8M0108352         780,790           48 -8M0104252         799         48 -8M0108353         780,790           48 -8M0104253         799         48 -8M0108354         780,790           48 -8M0104417         778,790         48 -8M0108357         780,790           48 -8M0104418         778,790         48 -8M0108442         804           48 -8M0104419         778,790         48 -8M0108442         804           48 -8M0104420         778,790         48 -8M0108472         911           48 -8M0104716         802         53 -8M0108472         911           48 -8M0104717         802         67 -8M0108695         237           8M0105087         59,65,343         67 -8M0108696         237           8M0105099         59,65,339         8M010899         518           8M0105210         918         8M0109000         518           84 -8M0105264         85         8M0109000         518           84 -8M0105263         85<		
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48 - 8M0104250         795         48 - 8M0108351         780, 790           48 - 8M0104251         795         48 - 8M0108352         780, 790           48 - 8M0104252         799         48 - 8M0108353         780, 790           48 - 8M0104253         799         48 - 8M0108354         780, 790           48 - 8M0104417         778, 790         48 - 8M0108357         780, 790           48 - 8M0104418         778, 790         48 - 8M0108442         804           48 - 8M0104419         778, 790         48 - 8M0108442         804           48 - 8M0104716         802         23 - 8M0108472         911           48 - 8M0104717         802         67 - 8M0108695         237           8M0105087         59,65,339         8M0108696         237           8M0105089         59,65,339         8M0108999         518           18 - 8M0105263         85         8M0109000         518           4 - 8M0105264         85         8M0109000         518           4 - 8M0105263         85         8M0109050         129,213           84 - 8M0105264         85         8M0109050         129,213           84 - 8M0105264         85         8M0109050         129,213           85 - 8M0105	-,-	
48 - 8M0104251         795         48 - 8M0108352         780, 790           48 - 8M0104252         799         48 - 8M0108353         780, 790           48 - 8M0104253         799         48 - 8M0108354         780, 790           48 - 8M0104417         778, 790         48 - 8M0108354         780, 790           48 - 8M0104418         778, 790         48 - 8M0108441         804           48 - 8M0104419         778, 790         48 - 8M0108472         991           48 - 8M0104716         802         23 - 8M0108475         912           48 - 8M0104717         802         67 - 8M0108695         237           8M0105087         59, 65, 343         67 - 8M0108696         237           8M0105089         59, 65, 339         8M0108999         518           8M0105210         918         8M0109000         518           48 - 8M0105263         85         8M0109000         518           8M0105264         85         48 - 8M0109051         802           8M0105264         85         48 - 8M0109051         802           8M0105363         258, 259         48 - 8M0109256         802           8M0105364         85         48 - 8M0109254         802           8M0105518		•
48 - 8M0104252         799         48 - 8M0108353         780, 790           48 - 8M0104253         799         48 - 8M0108354         780, 790           48 - 8M0104417         778, 790         48 - 8M0108357         780, 790           48 - 8M0104418         778, 790         48 - 8M0108441         804           48 - 8M0104419         778, 790         48 - 8M0108442         804           48 - 8M0104716         802         53 - 8M0108475         912           48 - 8M0104717         802         67 - 8M0108695         237           8M0105087         59, 65, 343         67 - 8M0108696         237           8M0105089         59, 65, 339         8M010899         518           8M0105210         918         8M0109049         129, 213           84 - 8M0105263         85         8M0109050         129, 213           84 - 8M0105264         85         48 - 8M0109050         129, 213           84 - 8M0105781         258, 259         67 - 8M0109257         232           8M0105781         258, 259         67 - 8M0109257         232           57 - 8M0105962         258, 259         67 - 8M0109257         232           57 - 8M0105963         258, 259         48 - 8M0109274         794		•
48 - 8M0104253         799         48 - 8M0108354         780, 790           48 - 8M0104417         778, 790         48 - 8M0108357         780, 790           48 - 8M0104418         778, 790         48 - 8M0108441         804           48 - 8M0104419         778, 790         48 - 8M0108442         804           48 - 8M0104716         802         53 - 8M0108472         911           48 - 8M0104717         802         67 - 8M0108695         237           8M0105087         59, 65, 343         67 - 8M0108696         237           8M0105089         59, 65, 339         8M0108999         518           8 M0105210         918         8M0109000         518           11 - 8M0105263         85         8M0109090         129, 213           84 - 8M0105264         85         48 - 8M0109050         129, 213           8 - 8M0105518         566         8M0109256         130           35 - 8M0105513         258, 259         67 - 8M0109257         232           57 - 8M0105563         258, 259         68 - 8M0109273         794           35 - 8M0106056         258, 259         84 - 8M0109273         794           35 - 8M0106058         258, 259         84 - 8M0109274         794		•
48 - BM0104417         778, 790         48 - BM0108357         780, 790           48 - BM0104418         778, 790         48 - BM0108441         804           48 - BM0104419         778, 790         48 - BM0108442         804           48 - BM0104420         778, 790         23 - BM0108472         911           48 - BM0104716         802         53 - BM0108695         912           48 - BM0104717         802         67 - BM0108695         237           BM0105087         59, 65, 343         67 - BM0108696         237           BM0105099         59, 65, 339         BM0108999         518           BM0105210         918         BM0109000         518           11 - BM0105210         918         BM0109049         129, 213           44 - BM0105263         85         8M0109050         129, 213           45 - BM0105264         85         48 - BM0109050         129, 213           46 - BM0105263         85         8M0109050         129, 213           84 - BM0105264         85         48 - BM0109050         129, 213           84 - BM0105265         25         802         802           8M0105389         517         48 - BM0109252         802           8M0106781		•
48 - 8M0104418       778, 790       48 - 8M0108441       804         48 - 8M0104419       778, 790       48 - 8M0108442       804         48 - 8M010420       778, 790       23 - 8M0108472       911         48 - 8M0104716       802       53 - 8M0108475       912         48 - 8M0105087       802       67 - 8M0108695       237         8M0105089       59, 65, 343       67 - 8M0108696       237         8M0105090       59, 65, 339       8M0109090       518         8M - 8M0105210       918       8M0109049       129, 213         84 - 8M0105263       85       8M0109050       129, 213         84 - 8M0105264       85       48 - 8M0109050       129, 213         85 - 8M0105289       517       48 - 8M0109256       802         8M0105289       517       48 - 8M0109050       29, 213         84 - 8M0105264       85       48 - 8M0109050       129, 213         85 - 8M0105781       258, 259       67 - 8M0109256       130         35 - 8M0105781       258, 259       48 - 8M0109273       794         8M010693       258, 259       48 - 8M0109274       794         35 - 8M010638       258, 259       48 - 8M0109370       540		
48 - 8M0104419         778, 790         48 - 8M0108442         804           48 - 8M0104420         778, 790         23 - 8M0108472         911           48 - 8M0104716         802         53 - 8M0108695         912           48 - 8M0104717         802         67 - 8M0108696         237           8M0105087         59, 65, 343         67 - 8M0108999         518           8M0105090         59, 65, 339         8M0108999         518           8M0105210         918         8M0109000         518           11 - 8M0105263         85         8M0109050         129, 213           84 - 8M0105264         85         48 - 8M0109051         802           8M0105389         517         48 - 8M010956         330           8M0105389         517         48 - 8M010956         129, 213           84 - 8M0105264         85         48 - 8M010956         802           8M0105389         517         48 - 8M010956         330           8M0105818         566         8M0109256         302           8M0105981         258, 259         48 - 8M0109257         232           57 - 8M0106595         258, 259         48 - 8M0109274         794           35 - 8M0106323         258, 259 <td>•</td> <td>·</td>	•	·
48 -8M010420       778, 790       23 -8M0108472       911         48 -8M0104716       802       53 -8M0108475       912         48 -8M0105087       59, 65, 343       67 -8M0108695       237         8M0105089       59, 65, 339       8M0108999       518         8M0105090       59, 65, 339       8M0109000       518         11 -8M0105210       918       8M0109009       518         48 -8M0105263       85       8M0109050       129, 213         84 -8M0105264       85       48 -8M0109051       802         8M0105389       517       48 -8M0109052       802         8M0105781       258, 259       67 -8M0109256       130         35 -8M0105781       258, 259       48 -8M0109273       794         8M0106015       258, 259       48 -8M0109273       794         8M010638       258, 259       48 -8M0109274       794         35 -8M0106323       258, 259       48 -8M0109337       540         35 -8M0106324       258, 259       48 -8M0109490       797         48 -8M0106504       802       48 -8M0109490       797         48 -8M0106505       802       48 -8M0109490       797         48 -8M0106505       802	·	
48 -8M0104716       802       53 -8M0108475       912         48 -8M0104717       802       67 -8M0108695       237         8M0105087       59, 65, 343       67 -8M0108696       237         8M0105089       59, 65, 339       8M0108999       518         8M0105090       59, 65, 339       8M0109000       518         11 -8M0105210       918       8M0109009       129, 213         8-8M0105263       85       8M0109050       129, 213         8-8M0105264       85       48 -8M0109051       802         8M0105389       517       48 -8M0109052       802         8M0105518       566       8M0109256       130         35 -8M0105781       258, 259       67 -8M0109257       232         57 -8M0105952       258, 259       48 -8M0109273       794         8M0106015       258, 259       48 -8M0109274       794         35 -8M0106088       258, 259       84 -8M0109294       540         8M0106193       258, 259       77 -8M0109337       540         8M0106324       258, 259       77 -8M0109482       527         8M0106368       258       84 -8M0109490       797         48 -8M0106504       802       48 -8M0109	•	
48 -8M0104717       802       67 -8M0108695       237         8M0105087       59,65,343       67 -8M0108696       237         8M0105089       59,65,339       8M0108999       518         8M0105090       59,65,339       8M0109000       518         11 -8M0105210       918       8M0109049       129,213         84 -8M0105263       85       8M0109050       129,213         84 -8M0105264       85       48 -8M0109051       802         8M0105389       517       48 -8M0109052       802         8M0105781       258,259       67 -8M0109256       130         35 -8M0105781       258,259       48 -8M0109273       232         57 -8M0105052       258,259       48 -8M0109273       794         35 -8M0106015       258,259       48 -8M0109274       794         35 -8M0106058       258,259       84 -8M0109337       540         36 -8M0106324       258,259       84 -8M0109408       611         35 -8M0106368       258,259       77 -8M0109482       527         8M0106504       802       48 -8M0109490       797         48 -8M0106505       802       48 -8M0109491       797         48 -8M0106505       802		
8M0105087         59,65,343         67 -8M0108696         237           8M0105089         59,65,339         8M0108999         518           8M0105090         59,65,339         8M0109000         518           11 -8M0105210         918         8M0109049         129,213           84 -8M0105263         85         8M0109050         129,213           84 -8M0105264         85         48 -8M0109051         802           8M0105389         517         48 -8M0109256         130           35 -8M0105781         258,259         67 -8M0109257         232           57 -8M0105952         258,259         48 -8M0109273         794           8M0106015         258,259         48 -8M0109274         794           35 -8M0106038         258,259         84 -8M0109294         540           8M0106323         258,259         84 -8M0109337         540           35 -8M0106324         258,259         77 -8M0109482         527           8M0106368         258,259         77 -8M0109490         797           48 -8M0106504         802         48 -8M0109491         797           48 -8M0106505         802         48 -8M0109500         799		
8M0105089         59, 65, 339         8M0108999         518           8M0105090         59, 65, 339         8M0109000         518           11 -8M0105210         918         8M0109049         129, 213           84 -8M0105263         85         8M0109050         129, 213           84 -8M0105264         85         48 -8M0109051         802           8M0105389         517         48 -8M0109052         802           8M0105518         566         8M0109256         130           35 -8M0105781         258, 259         67 -8M0109257         232           57 -8M0105952         258, 259         48 -8M0109273         794           8M0106015         258, 259         48 -8M0109274         794           35 -8M0106058         258, 259         84 -8M0109294         540           8M0106323         258, 259         84 -8M0109337         540           35 -8M0106324         258, 259         77 -8M0109482         527           8M0106368         258, 259         77 -8M0109482         527           8M0106504         802         48 -8M0109401         797           48 -8M0106505         802         48 -8M0109500         799		
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46 - 96148Q 8	QA1946R
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33 - 97180Q 6, 13, 15–17	QA1953R
33 - 97182Q	QA2000X 829, 833, 842–845, 848, 849, 851, 852, 855, 865
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QA2084X 826, 828, 832, 835, 838, 840, 856, 863–865	QS5054X 824, 829, 833, 836, 842–844, 846, 848, 849, 851,
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QA2124R	QS5056X 824, 829, 833, 836, 842–844, 846, 848, 849, 851,
QA2126R	852, 860, 862–864, 867
QA2128R	QS5058X
QA2130R	QS5114X 826, 828, 833, 836, 839, 841, 859, 863–865, 867
QA2148R	QS5116X 827, 828, 833, 836, 839, 841, 859, 863–865, 867
QA2150R	QS5118X 827, 828, 833, 836, 839, 841, 859, 863–865, 867
QA2154R	QS5166X 826, 828, 832, 835, 838, 840, 859, 863, 864, 866, 867
QA2158R	QS5168X 826, 828, 832, 835, 838, 840, 859, 863, 866, 867
QA2171R	QS5170X 826, 828, 832, 835, 838, 840, 859, 863, 866, 867
QA2173R	QS5758X 824, 829, 833, 836, 842, 843, 845, 846, 848, 849,
QA2175R	851, 852, 860
QA2178R	QS5760X 824, 829, 833, 842, 843, 845, 846, 848, 849, 851,
QA2190R	852, 860
QA2192R	QS5862X 824, 829, 834, 836, 842, 860
QA2196R	QS5864X
QA2200R	QS5866X 824, 829, 834, 836, 842, 860
QA2206X	
QA2208X 823, 835, 847, 848, 856, 866	
QA2828X 826, 828, 832, 835, 839, 841, 855	
QA2830X 826, 828, 832, 835, 839, 841, 855	
QA2832X 826, 828, 832, 835, 839, 841, 855	
QA3114R	
QA3118R	
QA3150R 822, 827, 831, 840, 862, 866, 867	
QA3152R 822, 827, 831, 840, 862, 866, 867	
QA3168R	
QA3170R	
QA3178R 822, 830, 839, 862, 866	
QA3182R	
QA3184R	
QA3808R 831, 840, 866, 867, 883	
QA3810R 831, 840, 866, 867, 883	
QA3832X	
QA3906R 827, 839, 863, 864, 867, 882	
QA3914R 827, 839, 863, 867, 882, 883	
QS1154X 824, 829, 833, 836, 842–844, 846, 848, 849, 851,	
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#NUMERIC	A
100 Hour Service Kit	Absorber Oil 76
103 Degree Tailpipe	Absorber Oil
10 Inch Space Kit 60	Active Trim
10 Inch Spacer Kit 60	Active Trim Side Mount Adapter
10W30 Marine Oil	Actuator Extension Harness
12 Volt Battery	Actuator Kit
14 Pin Bracket	Adapter 10 Pin
14 Pin Extension Harness 574, 575	Adapter Air Pump
15W40	Adapter Cable 501, 508, 662, 664
2.0L Diesel Rigging	Adapter Cable Kit
2.5 Inch Spacer Kit	Adapter Crankcase
2-4-C Grease Gun	Adapter Crankcase Oil Pump 97, 306
2-4-C Lubricant	Adapter Drive Sleeve
250 Dynamic	Adapter Dual Action Pump
25W40 Synthetic Blend	Adapter Fill Valve
25W40 Synthetic Blend 4-Stroke Oil	Adapter Gear Lube Pump
25W50	Adapter Harness . 462, 539, 551, 554, 558, 569, 574, 578,
25W50 High Performance oil	579, 610, 636
260 Dynamic	Adapter Harness Analog Gauge 579
270 Dynamic	Adapter Harness Boat
280 Dynamic	Adapter Harness Dual Helm 578
290/300 Ocean Runner	Adapter Harness Instrument 551, 569
290 Ocean Runner	Adapter Harness Quad
2-Stroke PWC	Adapter Harness Remote Control 484, 607
	Adapter Harness Trim Switch 611
300 Dynamic	Adapter Hose Oil Pump
300 Hour Service Kit	Adapter Kit Cable
300 Hour Service Kit	Adapter Kit Non Power Steering
300 Hour Service Kit No Anodes	Adapter Kit Transom
300 Ocean Runner	Adapter Plate Engine Twin
310 Dynamic	Adapter Power Purge System 649, 654
340 Ocean Runner	Adapter Remote Tank
350 Verado Snorkel Kit	Adapter Replacement
420/430 Ocean Runner	Adapter Replacement Tank
420 Ocean Runner	
430 Ocean Runner	Adapter Set
460 Ocean Runner	Adapter Transom Kit
4 in 1 Gauge	Adapter Universal Fill Valve
4-Stroke Outboard Oil	Adapter Valve Fill
5 Inch Spacer Kit	Adapter Valve Fill Halkey-Roberts
	Adapter Valve Fill Universal

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