QUICKSILVER
Engines

Repower

Product Guide











EMEA Edition

2026

QUICKSILVER
Marine Lubricants

The Quicksilver 4-Stroke Lineup has You Covered

All New 4-Stroke Oil Technology

Brand-new 4-Stroke oil formulations provide the best protection and performance for all your marine engine needs and applications. Whether participating in high-performance racing, fishing with your Mercury engine, cruising with your Yamaha engine or riding the waves with your personal watercraft — with Quicksilver you can trust you're getting the best experience on the water.

3 Things to Know:

For Use in All 4-Stroke Marine Engines

Exceeds all marine industry 4-Stroke oil requirements, including FC-W® and FC-W® Catalyst Compatible.*See product photos for commonly recommended applications. Always refer to the owner's manual for specific model oil weight specifications.

Superior Corrosion Protection

- Industry-leading strength and viscosity retention
- Ultimate corrosion and wear protection
- 4-Stroke oil formula additives offer superior corrosion performance in damp environments as compared to passenger-car motor oil.



Automotive Oil | Aftermarket Marine Oil | Quicksilver Oil

Photo shows NMMA FC-W Corrosion Test performance on Mercury cylinder strips.

The Most Recommended Marine Oil

Quicksilver is a trusted marine brand, delivering superior engine performance since 1950. Quicksilver oils are expertly engineered and rigorously tested in harsh marine environments.



10W-30 Mineral
- Mercury
- Yamaha
- Honda

10W-40 Mineral
- Suzuki
- Volvo
- Yamaha PWC

25W-40 Mineral
- Mercury

	1 Litre	4 Litres	60 / 208 Litres
10W-30 Mineral Mercury, Yamaha, Honda	8M0086220	8M0086221	8M0165791 (60L) 8M0086222 (208L)
10W-30 Synthetic Blend Mercury, Yamaha, Honda	8M0152563	8M0152564	8M0152565 (208L)
10W-30 Full Synthetic Mercury	8M0180936	8M0180937	8M0180938 (208L)
25W-40 Mineral Mercury	8M0086223	8M0086224	8M0127974 (60L) 8M0086225 (208L)
25W-40 Synthetic Blend Mercury	8M0086226	8M0086227	8M0165792 (60L) 8M0086228 (208L)
10W-40 Mineral Suzuki, Volvo, Yamaha PWC	8M0180933	8M0180934	8M0180935 (208L)
High Performance 25W-50 Synthetic Blend Mercury and race applications	8M0096256	858084QE1	858119QE1 (208L)

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PRODUCT INTRODUCTION

Repowering a boat provides the fastest way to get back on the water with the confidence of factory-backed protection. Mercury Marine leads the industry with the most comprehensive line-up of products. These are backed by a factory limited warranty & professional service support to maximize quality time spent on the water. Mercury's leadership comes from engaged people who deliver innovative products to provide the best products and support for repowering most recreational boats on a global scale. We organize our comprehensive portfolio into these brands of products:

- Mercury Outboards, Sterndrives and Inboards
- Quicksilver Engines
- Mercury & Quicksilver Remanufacturing

Mercury Outboards, Sterndrives and Inboards provide the latest technology with award winning products for new boats and repowering. These specialized products concentrate on supporting new technologies such as: Emissions Control Technology, Digital Throttle and Shift, Joystick Piloting, and advanced 4-Stroke engine designs integrated with new boat hulls to reduce NVH. These products are covered in other publications.

Quicksilver Engines. Since 2008, 100% new Quicksilver Engines have been available to repower legacy sterndrive and inboard gas engines. Presently, a wide portfolio of Plus Series, Crate Engines, Value Series longblocks, and Iron Cylinder Heads supports major repairs for all brands of legacy engines to repower classic boats.

Mercury Remanufacturing continues as more customers realize the everyday environmental benefits of "Re-Use" in the product lifecycle with the lineup of Plus Series engines.

Quicksilver Remanufacturing offers major assemblies at the highest quality and best value in the market today! No one provides as much included content to lower cost, maximize quality, and reduce the time it takes to get the job done. Quicksilver Remanufacturing specializes in premium: dressed outboard engines, 2-Stroke powerheads, and 4-Stroke longblocks.

Get your Customers back on the water faster with the assurance of a Mercury factory-backed limited warranty. Repowering offers a tremendous value to you and your customers with our products and services that stand unique in the marine industry for good reasons:

- ✓ World class products to repower most recreational boats
- ✓ The only Marine OEM who remanufactures
- ✓ Factory Warranty and Service Support
- ✓ Product available globally at thousands of dealers

Visit us at www.quicksilver-products.com or via Extranet for inventory, special promotions, seasonal programs, frequently asked questions, and much more!

REPOWER CONSIDERATIONS

Repower Considerations for Sterndrive & Inboard Boats

Customers look to their dealers to make the best recommendation, and what follows are some things for dealers to consider for recommending repower options to customers of recreational sterndrive and inboard boats.

Know the Boat & Propulsion System

- **What is the boat: HIN, year, length, model, weight, and speed?**
- **What is the propulsion: make, model, year, HP, drive type, options, and technology?**
- **What is the present condition of the engine & propulsion system?**
- **Does the customer desire: price, performance, technology, HP, or model type?**
- **Where will be boat be used?**
- **Is the repower for a gas or diesel engine?**
- **Why is it in need of repower?**

Know the Regulations – Spark Ignition Engines

- European Union
  - Began requiring ECT on new boats in 2017
  - Remanufactured engines can be non-ECT if used in boats built prior to 2017
  - All new engines require ECT regardless of when the boat was built

Know the Regulations – Diesel Engines

- **Generally, a Tier 3 engine is required for new boats & repower in most regions**
- **Please be sure to check in on the regulations in your region from local authorities**

Know When to Use the Various Product Families

- **Gas & Diesel Engine Longblocks – New & Remanufactured**
  - Benefits:
    - Lower upfront part cost
    - No impact to installation
    - No regulatory restrictions
    - Few boat application issues
  - Drawbacks:
    - High labor & time cost = lower shop productivity
    - May not fix real cause of failure if system not properly diagnosed
    - Reuses aged parts without factory warranty & leaves dealer liable for work
  - When to use:
    - When root causes of failure are known on an engine in otherwise excellent shape that doesn't require many extra parts to repair (for example--freeze damage)
    - Open service time in shop to tackle 15+ hour job
    - Newer engines with plentiful repair parts available
  - When not to use:
    - When an aged or corroded installation
    - Rapid turnaround time required
    - Questionable causes of failure such as melted pistons or repeated overheating
    - Engines without many available service parts

- **100% New Quicksilver Crate Gas Engines**
  - Benefits:
    - Flexible for many applications that otherwise have limited parts or options
    - New fuel and electrical components included reduce repeat failure issues at a value
    - No regulatory restrictions
  - Drawbacks:
    - Reuses aged exhaust and cooling system parts
  - When to use:
    - When upgrading power for carbureted V8 engine
    - Repairing installations where best to re-use exhaust system
  - When not to use:
    - Can't use to change/upgrade engine technology - can't go from carb to MPI
    - Not for engines older than 1986

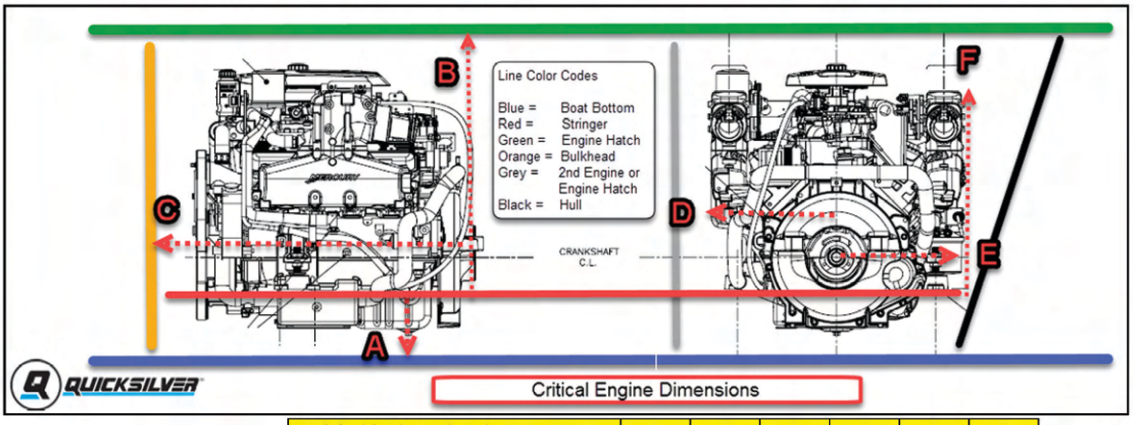
- **Mercury Remanufactured Plus Series Gas Engines**
  - Benefits:
    - Moderate cost for a complete drop-in engine
    - Often presents a power upgrade & fuel economy boost
    - Increase shop productivity with rapid turnaround times
    - All parts of the engine assembly have factory limited warranty
  - Drawbacks:
    - Some people want new engines
    - Often requires re-propping boat
  - When to use:
    - Repower most classic boats with a quick installation
  - When not to use:
    - Regulations prevent use of non-ECT in newer boats

- **100% New Quicksilver Plus Series Gas Engines**
  - Benefits:
    - 100% new engine with factory warranty without the expense of ECT
    - Often presents a fuel economy boost versus aged engines
    - Drops in where old engine came out
    - Increase shop productivity with rapid turnaround times
  - When to use:
    - Repower most classic boats with a quick installation
    - When comprehensive warranty coverage is desired
    - Upgrade technology from carb to MPI with SmartCraft in most cases
  - When not to use:
    - Regulations prevent use of non-ECT in newer boats

- **New MerCruiser Gas & Diesel Engines**
  - Benefits:
    - New engine with many new technology features
    - Meets 4-Start with ECT or Tier3 emissions
  - Drawbacks:
    - May not fit into older boat hulls
  - When to use:
    - Repower most classic boats with a quick installation
  - When not to use:
    - Physical size, throttle control, exhaust, mounts, or wiring differences may not fit older boats

Check the Fit

If a sterndrive engine, you can use the table below to easily check the fit for every Mercury Remanufacturing, Quicksilver, & MerCruiser gas engine available. Just measure the 6 points **A to F** shown in the diagram below. The measurements are of the engine compartment, so it doesn't matter if there is an old engine in the boat. From there you can see if the engine you've selected is a good fit without having to pour over installation drawings. Inboards are more complex with a variety of installation angles, so please be sure to verify fit with an installation drawing. Please add ½" for clearance.



Model with Dimensions in mm	A	B	C	D	E	F
3.0L TKS Alpha	0	704	730	302	258	648
4.3L Alpha 4V	134	596	696	368	375	562
4.5L MPI Alpha/Bravo	150	638	721	389	399	609
357 Alpha/ Bravo & 383 4V Bravo	161	639	810	368	375	563
350 MPI Alpha/Bravo & 383 MPI Bravo	161	646	814	370	373	606
6.2L MPI Bravo - 300/350	150	671	867	389	399	609
496 & 496 HO Bravo	145	698	888	420	420	702
8.2 MPI Bravo - 380/430	153	705	858	422	422	711
540 Bravo 4V	181	680	871	415	415	690

Model with Dimensions in Inches	A	B	C	D	E	F
3.0L TKS Alpha	0.0	27.7	28.7	11.9	10.2	25.5
4.3L Alpha 4V	5.3	23.5	27.4	14.5	14.8	22.1
4.5L MPI Alpha/Bravo	5.9	25.1	28.4	15.3	15.7	24.0
357 Alpha/ Bravo & 383 4V Bravo	6.3	25.2	31.9	14.5	14.8	22.2
350 MPI Alpha/Bravo & 383 MPI Bravo	6.3	25.4	32.0	14.6	14.7	23.9
6.2L MPI Bravo - 300/350	5.9	26.4	34.1	15.3	15.7	24.0
496 & 496 HO Bravo	5.7	27.5	35.0	16.5	16.5	27.6
8.2 MPI Bravo - 380/430	6.0	27.8	33.8	16.6	16.6	28.0
540 Bravo 4V	7.1	26.8	34.3	16.3	16.3	27.2

WARRANTY STATEMENT

ONE YEAR STANDARD LIMITED WARRANTY STATEMENT

Mercury and Quicksilver Remanufacturing Products and Accessories Limited Warranty
Europe, Middle-East and Africa

A. ***Mercury Marine*** warrants each Remanufactured product and or accessory (not those made for high performance purposes) manufactured or sold by it to be free from defects in material and workmanship; but only when the consumer sale is made in the country to which distribution is authorized by us, and then only after the pre-delivery inspection process specified by ***Mercury Marine*** is completed and documented.

B. The warranty shall remain in effect for a period of one year from the date of retail purchase.

C. This warranty does not cover normally worn parts, adjustments, tune-ups, or damage caused by: 1) Neglect, lack of maintenance, accident, abnormal operation or improper installation or service; 2) Use of any product or accessory not manufactured or sold by us; 3) Operation with fuels, oil or lubricants which are not suitable for use with the products or accessories; 4) Participating in or preparing for racing or other competitive activity or operating with a racing type or modified lower unit; 5) Water entering engine cylinder(s) through exhaust system, carburetion, or fuel injection system; 6) Failure or damage caused by fuel deterioration or phase separation, fuel formulation, contamination, varnishing, or gumming.

D. Our obligation under the warranty is limited to repairing a defective part, or refunding purchase price, or at our option replacing such part or parts with either new or **Mercury** factory certified remanufactured parts as shall be necessary to remedy defects in materials or workmanship as covered by this warranty. The repair or replacement of parts, or the performance of service, under this warranty, does not extend the period of this warranty beyond its original expiration date. We reserve the right to improve the design of any ***Mercury and Quicksilver Remanufacturing*** product or accessory without assuming any obligation to modify any *Mercury* product or accessory previously remanufactured.

E. Claims shall be made under this warranty by delivering the product or accessory for inspection to a Mercury Marine dealer authorized to service the product. If purchaser cannot deliver product or accessory to such authorized dealer, he may give notice in writing to the company. We shall then arrange for the inspection and repair, provided such service is covered under this warranty. Purchaser shall pay for all related transportation charges and/or travel time. If the service is not covered by this warranty, purchaser shall pay for all related labor and materials, and any other expenses associated with that service. Any product or accessory shipped by purchaser for inspection or repair must be shipped with transportation charges prepaid. The purchaser must provide a valid invoice listing the product and/or accessory showing date of purchase from one of Mercury Marine's authorized dealers.

F. Reasonable access must be provided to the product for warranty service. This warranty will not apply to: 1) Haul-out, launch, towing and storage charges; telephone or rental charges of any type, inconvenience, or loss of time or income; or other consequential damages; or 2) Removal and/or replacement of boat partitions or material because boat design for necessary access to the product.

G. Parts which, upon inspection, have been found to be not failed or not required to complete repairs, or were replaced without proper authorization will be returned.

THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS ARE EXPRESSLY DISCLAIMED TO THE FULLEST EXTENT PERMITTED BY LAW.
TO THE EXTENT THAT THEY CANNOT BE DISCLAIMED, THE IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIFE OF THE ***Mercury and Quicksilver Remanufacturing*** LIMITED WARRANTIES. ALL INCIDENTAL AND CONSEQUENTIAL DAMAGES ARE EXCLUDED FROM COVERAGE UNDER THIS WARRANTY.

Mercury and Quicksilver Remanufacturing Products and Accessories Limited Warranty (the "Warranty") gives specific rights to the Customer. For the avoidance of doubt,
the Warranty does not in any way adversely affect any possible right and/or protection the Customer may have under applicable legislation.

WARRANTY PROCEDURE

Limited Warranty Procedure

- For limited warranty work and fulfillment, customers are encouraged to contact their selling dealer or nearest authorized Mercury/Mariner Service dealer concerning any product issues due to material or workmanship
- Registration, Retail Invoice & Pre-Delivery Inspection (PDI) forms
    - These documents are required for fulfillment of the limited warranty
    - Serialized products must be registered
    - Copies of the original invoice and PDI forms are acceptable as hardcopy, by fax, or in an electronic format
    - A proof of limited warranty statement offers the reminder that the invoice and PDI form are the required for limited warranty, but by itself does not fulfill these requirements
- Transfer of Coverage – The original retail invoice and PDI form are required for fulfillment of the limited warranty. Unexpired warranty coverage can be transferred from one recreational use customer to a subsequent recreational use customer with a copy of the original invoice and PDI form.
- If a product return is in order, the following should accompany any and all product returns to help provide timely processing of warranty claims:
    - A copy of the retail invoice
    - A copy of the PDI form
    - Warranty claim
- For product returns, all parts should be returned for full credit

ELIGIBILITY FOR LIMITED WARRANTY

Eligibility for Limited Warranty

IMPORTANT: When replacing a longblock, the following requirements must be met in order to ensure eligibility for the Limited Warranty.

- ☐ If the engine is equipped with an oil cooler, the oil cooler must be replaced in order to prevent the probability of a premature internal engine failure.

  NOTE: *If the cooler is not replaced, the longblock will not be eligible for warranty consideration. If an internal engine failure should occur that is eligible for warranty consideration, a copy of the invoice indicating the purchase of an original type OEM oil cooler is required.*

- ☐ All oil lines and oil filter adapters must be flushed with a clean solvent to eliminate the probability of bearing damage to the engine.
- ☐ Clean the intake manifold induction runners to ensure that they are free of debris.
- ☐ Replace or clean fuel system components (carburetor or injectors) to ensure proper operation. Verify fuel system pressures to ensure proper flow.
- ☐ Clean cooling system component passages to ensure that they are free of pieces of seawater pump impellers and other types of debris. Verify the condition of the thermostat housing, and install a new thermostat.
- ☐ Inspect exhaust system components.
  - Disassemble manifolds, risers, and elbows to ensure that gasket surfaces are flat and sealable.
  - Leak-test manifolds for internal leaks.
  - Use new gaskets in reassembly.
  - Verify the integrity of exhaust shutters for sterndrive applications.
- ☐ In the dress assembly process of a longblock, use new gaskets and o-rings as required.
- ☐ Refer to the appropriate Mercury MerCruiser Service Manual for proper assembly instructions and torque specifications.
- ☐ When replacing a transmission, the transmission oil cooler must also be replaced in order to prevent the probability of a premature transmission failure.

  NOTE: *A copy of the invoice for an oil cooler or transmission/cooler assembly is required for warranty authorization for the transmission. If the cooler has not been replaced, the transmission will not be eligible for warranty consideration.*

- ☐ Prime the engine's oiling system before installing the distributor. Refer to **Oil System Priming for Remanufactured Engines and Longblocks**.
- ☐ Before installing the engine in the boat:
  - Connect the engine to a water supply, battery power, fuel, and 3-ft exhaust hoses (connected to the exhaust elbows).
  - Start the engine; verify oil pressure and ignition timing; examine for fuel, oil, and water leaks; and inspect for loose components.
  - Verify the engine is ready to be installed in the boat.
- ☐ After the engine is fully installed in the boat, complete the Predelivery Inspection worksheet and place a copy in the customer file and another with the invoice.

  NOTE: *The Predelivery Inspection worksheet is required for warranty authorization.*

OUTBOARD PRE-DELIVERY CHECK LIST

MERCURY OUTBOARD PRE-DELIVERY INSPECTION

Customer Name _____

Horsepower _____ Serial No. _____ Propeller Size & Type _____

Boat Brand _____ Boat Model _____ Length _____
(if applicable) (if applicable)

Not Applicable	Check/ Adjust	CHECK BEFORE RUNNING
☐	☐	Service Bulletin updates or repairs completed?
☐	☐	Lower unit lubricant
☐	☐	Tilt tube and swivel pin lubrication
☐	☐	Engine tight on transom, height correct and centered
☐	☐	Fuel line and fuel tank installation
☐	☐	Gasoline-oil mixture for break-in
☐	☐	Co-pilot adjustment
☐	☐	Steering operation through complete range
☐	☐	Remote control operation
☐	☐	Electrical harness installation
☐	☐	Battery fully charged and properly secured
☐	☐	Battery cable connections tight and protective cover(s) in place
☐	☐	Instrument connections
☐	☐	Manual tilt operation
☐	☐	Manual tilt valve operation
☐	☐	Power trim oil level
☐	☐	Power trim and tilt operation
☐	☐	Check for tight steering link and fasteners
☐	☐	Fill oil injection reservoir(s)
☐	☐	Purge air from oil injection system
☐	☐	Check operation of low oil and overheat warning horns
☐	☐	Shift cable adjustment
☐	☐	Select correct propeller, install and torque
☐	☐	4-cycle engine oil level
☐	☐	Warning gauge installed
☐	☐	SmartCraft gauge(s) calibrated

Not Applicable	Check/ Adjust	CHECK WHILE RUNNING
☐	☐	Rewind starter/neutral interlock operation
☐	☐	Electric starter/neutral safety switch
☐	☐	Manual choke operation
☐	☐	Electric check or enrichner operation
☐	☐	Tell-tale water stream
☐	☐	Instrument(s) operation
☐	☐	Check idle RPM
☐	☐	Idle RPM _____
☐	☐	Throttle and shift, ease of operation
☐	☐	Steering operation throughout range
☐	☐	Reverse operation and reverse lock hooks
☐	☐	Shallow water drive
☐	☐	Power trim operation
☐	☐	Trim tab adjustment
☐	☐	Tilt angle adjustment
☐	☐	Maximum RPM/Timing _____
☐	☐	Stop switch and lanyard stop switch

CHECK AFTER RUNNING

☐	☐	Oil, gasoline, or water leakage
☐	☐	Propeller nut torque
☐	☐	Power trim and oil injection oil levels
☐	☐	4-cycle engine oil level
☐	☐	CARB Hang Tag and Owners Manual in Boat*
☐	☐	CARB Decal properly affixed to boat hull*

I certify that the above checks/inspections have been completed.

Inspector/Mechanic Completing Inspection _____ Technician ID # _____ Date _____

CUSTOMER DELIVERY INSPECTION

- ☐ Complete and process warranty registration - provide customer with copy
- ☐ Operation and Maintenance Manual - provide and review contents with customer
  - Emphasize importance of "Safety Warnings"
  - Operation of Equipment - Explain / Demonstrate
    - ☐ Lanyard Stop Switch
    - ☐ Steering torque or pull, cause and effect, firm steering wheel grip, boat spin out, trim for neutral steering, setting steering friction control on hand-tilled outboard
    - ☐ U.S. Coast Guard capacity plate
    - ☐ Proper seating
    - ☐ Importance of life vests and throw cushion
    - ☐ Outboard features and Warning Systems of the package
    - ☐ Caution! Allow engine speed to return to idle before shifting gears, otherwise you risk severe engine damage not covered under warranty.
    - ☐ SmartCraft gauge(s) functions
    - ☐ Off season storage and maintenance schedule
    - ☐ Engine
    - ☐ Boat
    - ☐ Trailer (if applicable)
- ☐ External appearance of the outboard is acceptable (paint, cowl, decals, etc.)
- ☐ Mercury Warranty - Provide and explain the limited warranty to the customer. Explain dealer services.
- ☐ Explain optional Mercury Product Protection Plan to the customer (North America Only)

I certify that the above information has been provided and explained to the customer.

Salesperson _____ Date _____ Customer _____ Date _____

Printed in U.S.A. First Copy - Customer Second Copy - Dealer File Copy 90-8M0109517

PRE-DELIVERY CHECK LIST - REPOWER

PREDELIVERY INSPECTION—REPOWER

Predelivery Inspection Checklist

Serial Number: _____

Not Applicable	Check / Adjust	Task
Check Before Running:		
☐	☐	Drain plug in and petcocks closed
☐	☐	Seawater inlet valve open
☐	☐	Engine mounts tight
☐	☐	Engine alignment
☐	☐	Drive unit fasteners torqued
☐	☐	Power trim cylinders fasteners tight
☐	☐	Battery fully charged and secured
☐	☐	All electrical connections tight
☐	☐	Exhaust system hose clamps tight
☐	☐	All fuel connections tight
☐	☐	Correct rotation propeller (installed and torqued)
☐	☐	Throttle, shift and steering system fasteners tightened properly
☐	☐	Throttle plates open and close completely
☐	☐	Crankcase oil level
☐	☐	Power trim oil level
☐	☐	Sterndrive unit oil level
☐	☐	Power steering fluid level
☐	☐	Closed cooling level
☐	☐	Transmission fluid level
☐	☐	Alternator belt tension
☐	☐	Seawater pickup pump belt tension
☐	☐	Power assisted steering pump belt tension
☐	☐	Audio warning system operation

Not Applicable	Check / Adjust	Task
On-Water Testing:		
☐	☐	Engine alignment (inboards only)
☐	☐	Starter neutral safety switch operation
☐	☐	Water pump operation
☐	☐	Instruments operation
☐	☐	Fuel leaks
☐	☐	Oil leaks
☐	☐	Water leaks
☐	☐	Exhaust leaks
☐	☐	Ignition timing
☐	☐	Idle_____ RPM, within specifications
☐	☐	Forward - Neutral - Reverse gear operation
☐	☐	Steering operation throughout range
☐	☐	Acceleration from idle RPM
☐	☐	WOT_____ RPM within specifications (in **forward** gear)
☐	☐	Power trim operation
☐	☐	Trim tab adjustment/Boat handling
After On-Water Testing:		
☐	☐	Propeller nut torque
☐	☐	Fuel, oil, coolant, water, and fluid leaks
☐	☐	Oil and fluid levels
☐	☐	Apply Quicksilver Corrosion Guard to engine package
☐	☐	Verify presence of operation and maintenance manual
For boats registered to residents of California:		
☐	☐	CARB hang tag in boat
☐	☐	CARB decal properly affixed to boat hull
☐	☐	California Prop 65 hang tag in boat

Dealer / Technician Signature: _____

Date: _____

Products of Mercury Marine
W6250 Pioneer Road.
Fond du Lac, WI 54936-1939

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90-8M0099510 OCTOBER 2014

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RCD EXEMPTION FORM

MERCURY MARINE
Brunswick Marine in EMEA LLC
4800 Verviers – Belgium
MercuryMarine.com

RCD NON-CONFORMITY ACKNOWLEDGMENT & WAIVER OF LIABILITY

TO WHOM IT MAY CONCERN

This document constitutes a formal acknowledgment and waiver ("Acknowledgment") made by the undersigned purchaser (the "Customer") in favor of Mercury Marine and its affiliated companies, such as but not limited to Brunswick Corporation and Brunswick Marine in EMEA., LLC. ("Mercury Marine").

1. Introduction – What is the RCD?

The Recreational Craft Directive (RCD) – Directive 2013/53/EU – is a European Union regulation that establishes mandatory safety, environmental, and manufacturing requirements for recreational craft, personal watercraft, and propulsion engines placed on the market in the European Economic Area (EEA), including Norway and Switzerland. Unless exempt, all recreational marine engines sold within these territories must be RCD-compliant. Non-compliant engines may not be used or sold for recreational purposes within the scope of the Directive.

2. Acknowledgment of Non-Compliance

The Customer hereby acknowledges that:

- The product(s) listed below do not comply with the applicable RCD requirements;
- Mercury Marine is supplying said product(s) for applications that fall outside the scope of the RCD, including but not limited to:
  - Re-export outside the EU/EEA/Switzerland;
  - Industrial or commercial use;
  - Integration into vessels that are not subject to the RCD.

3. Assumption of Responsibility

The Customer expressly agrees and confirms that:

- It will use, resell, or distribute the product(s) only in full compliance with applicable laws and regulations;
- It bears full responsibility and liability for any use, resale, distribution, or modification of the product(s);
- It shall ensure that any third party acquiring the product(s) is informed in writing of the product's non-conformity with RCD and will acknowledge such in writing;
- It waives any claim against Mercury Marine for any fines, penalties, liabilities, damages, or enforcement actions arising from non-compliant use.

Brunswick Marine in EMEA LLC
Parc Industriel de Petit-Rechain / avenue Mercury 8 / 4800 Verviers / Belgium / Tel. +32 (0)87 32 32 20 / Fax +32 (0)87 31 19 65 /
bme.service@brunswick.com

MERCURY MARINE
Brunswick Marine in EMEA LLC
4800 Verviers – Belgium
MercuryMarine.com

4. Indemnification

The Customer agrees to indemnify and hold harmless Mercury Marine, its affiliates, directors, employees, and agents from and against any and all claims, damages, costs, and liabilities (including legal fees) arising directly or indirectly from:

- Any non-compliant use or resale of the product(s),
- Any misrepresentation made to third parties,
- Any breach of this Acknowledgment.

5. Product Details

Engine Model/Type	Serial Number	Quantity	Intended Use (Non-RCD Purpose)

6. Signature

Name or Company Name: _____

Authorized Representative: _____

Title: _____

Address: _____

_____

Date: _____

Signature: _____

Brunswick Marine in EMEA LLC
Parc Industriel de Petit-Rechain / avenue Mercury 8 / 4800 Verviers / Belgium / Tel. +32 (0)87 32 32 20 / Fax +32 (0)87 31 19 65 /
bme.service@brunswick.com

Notes:

4-STROKE DRESSED POWERHEADS

QUICKSILVER

DRESSED POWERHEADS



Smooth Operators

Mercury FourStroke outboards represent the pinnacle of outboard engine design and performance.



Quicksilver Remanufacturing now offers dressed longblocks for Mercury L4, L6SC and V8 outboards that can be serviced just as smoothly as they get across the water. This saves time and money.

Dressed powerheads from Quicksilver Remanufacturing feature all new parts, including fuel injectors, wiring harness, rotating electrical parts and an instruction sheet. The PCM is not included.



1 YEAR LIMITED WARRANTY

All Quicksilver remanufactured powerheads are backed by a one-year limited warranty.

Mercury L4, L6SC and V8 Dressed Powerheads

Part Number	Description	Serial # Range	Notes
714-61-8M0227269	L4 150 EFI	1B905505 & Up	PCM not included
714-61-8M0162891	L6 Verado GEN 5	2B144123-2B578935	PCM not included / for 200-300hp / not for 350-400hp
714-61-8M0171851	V8 Verado	2B529482 & Up	PCM not included
714-61-8M0206534	V8 CMS	2B529482 & Up	PCM not included

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4-STROKE DRESSED POWERHEADS

L4 150 EFI DRESSED POWERHEAD



61-8M0227269

Remanufactured outboard, 4-Stroke, 3.0L L4 longblock 150 HP applications.
100% new dress parts. PCM is not included. Re-use PCM or order separately.
Fits the Mercury serial range 1B905505 & Up

L6 VERADO DRESSED POWERHEAD



61-8M0162891

Remanufactured outboard 4-Stroke longblock and supercharger. 100% new dress parts. Supercharged 4-Stroke inline-6 engine technology supporting 200-300 HP. Generation V
PCM is not included. Re-use PCM or order separately.
Serial number range 2B144123 thru 2B578935.

V8 250/300 HP DTS AMS DRESSED POWERHEAD



61-8M0171851

Remanufactured outboard 4-Stroke 4.6L V8 longblock 250/300 HP applications using DTS & AMS. 100% new dress parts.
PCM is not included. Re-use PCM or order separately.
Fits the Mercury serial range 2B529482 & Up.

V8 250/300 HP MECHANICAL THROTTLE & SHIFT CMS DRESSED POWERHEAD



61-8M0206534

Remanufactured outboard 4-Stroke 4.6L V8 longblock 250/300 HP applications using
mechanical throttle and shift & conventional midsection. 100% new dress parts.
PCM is not included. Re-use PCM or order separately.
Fits the Mercury serial range 2B529482 & Up.

FULLY DRESSED POWERHEAD CROSS REFERENCE CHART

Fully Dressed Powerhead Cross Reference

Model	Model Notes	Year Range	Serial # Range	New Part Number	Reman Part Number
150 EFI	150 EFI Dressed Powerhead	2012 - 2025	1B905505 and up	N/A	61-8M0227269
		2026			
200 ProXS	3.0L Dressed Powerhead	2007 - 2018	1B912786 - 2B535571	N/A	N.L.A.
225 ProXS	3.0L Dressed Powerhead	2007 - 2018	1B973744 - 2B535608	N/A	N.L.A.
250 ProXS	3.0L Dressed Powerhead	2007 - 2018	1B973744 - 2B535608	N/A	N.L.A.
300 XS	3.2L Dressed Powerhead	2013 - 2026	1E052058 and up	N/A	N.L.A.
Verado	L6 200-300 Gen II	2007 - 2015	1B517434 - 2B144122	N/A	N.L.A.
Verado	L6 200-300 Gen V	2015 - 2018	2B144123 - 2B578935	N/A	61-8M0162891
250/300	V8 250-300 Mech CMS	2020 - 2026	2B529482 and up	N/A	61-8M0206534
Verado	V8 250-300 DTS AMS	2020 - 2026	2B529482 and up	N/A	61-8M0171851

REMANUFACTURED FOURSTROKE OUTBOARD POWERHEADS

Quicksilver offers a wide variety of 4-Stroke remanufactured powerheads for Mercury and Mariner applications between 75-300 HP. All powerheads are completely disassembled, precision machined, honed, cleaned and assembled by a team of factory technicians. Remanufactured to fully jeweled precision with 100% OEM components using the latest engineering revisions, these products are the only logical choice for a remanufactured powerhead. Quicksilver's remanufactured powerheads come with a 1-year factory limited warranty.

75/90 EFI FOURSTROKE POWERHEADS

POWERHEAD OUTBOARD



8M0188317

Remanufactured outboard powerhead (FourStroke EFI technology). The powerhead does not include an oil pump.

Fits the L-4 cylinder 75 thru 100 hp. FourStroke EFI outboards.
Serial number 1B366823 - 2B094995.

75/90 EFI SHORTBLOCK POWERHEAD



61-**8M0128564**

Remanufactured outboard powerhead (FourStroke EFI technology).
Fits the 2.1L 4-cylinder 75 thru 90 hp. FourStroke EFI outboards. The cylinder head is not included.

Serial number 2B095049 and above.

POWERHEAD OUTBOARD



61-**8M0166625**

Remanufactured outboard powerhead (FourStroke EFI technology).

Fits the 2.1L 4-cylinder 75-90 hp. FourStroke EFI outboards. The cylinder head is included.
Serial number 2B095049 and above.

115 EFI FOURSTROKE POWERHEADS

POWERHEAD OUTBOARD



8M0188318

Remanufactured outboard powerhead (FourStroke EFI technology). The powerhead does not include an oil pump.

Fits the L-4 cylinder 115 hp. FourStroke EFI outboards.
Serial number 1B366823 - 2B094995.

115 EFI FOURSTROKE POWERHEAD



61-**8M0128566**

Remanufactured outboard powerhead (FourStroke EFI technology).
Fits the 2.1L 4-cylinder 115 hp. FourStroke EFI outboards.

Serial number 2B095049 and above.

150 EFI FOURSTROKE POWERHEADS

150 EFI FOURSTROKE POWERHEAD



61-**8M0070524**

Remanufactured outboard powerhead (FourStroke EFI technology).

Fits the L-4 cylinder 150 hp. FourStroke EFI outboards.
Serial number 1B905505 and above.

VERADO POWERHEAD

L6 VERADO POWERHEAD



8M0188321

Remanufactured outboard powerhead. Verado technology.
Fits 225/250/300 L-6 cylinder Verado. Generation V.
Serial number range 2B144123 - 2B578935.

OUTBOARD POWERHEAD CROSS REFERENCE CHART

OUTBOARD POWERHEAD CROSS REFERENCE CHART

Outbound Powerhead Cross Reference

Model	Model Notes	Year Range	Serial # Range	New Part Number	Reman Part Number
75 (Carb)	3 cyl. and oil injection	1994	0D283222 and up	809837T97	N.L.A.(1)
75 DFI	3 cylinder / 1.5L	2005 - 2006	0T980000 - 1B417701	895233A07	N.L.A.
75 DFI	3 cylinder / 1.5L	2006	1B417702 and up	895233A07	N.L.A.
75/80 FourStroke	4 cylinder EFI		1B366823 - 2B094994	61-8M8033014	8M0188317
75/80 FourStroke	4 cylinder EFI (2.1L)	2026	2B095049 and up	61-8M0090765	61-8M0128564
90 (Carb)	3 cyl. and oil injection	1994	0D283222 and up	809837T97	N.L.A.(1)
90 DFI	3 cylinder / 1.5L	2004	0T801000 and up	891767A07	N.L.A.
90 FourStroke	4 cylinder EFI		1B366823 - 2B094994	61-8M8033014	8M0188317
90 FourStroke	4 cylinder EFI (2.1L)	2026	2B095049 and up	61-8M0090765	61-8M0128564
100 (Carb)	4 cyl. and oil injection	1994 - 1996	0D283222 - 0G965520	17791T97 (NLA)	N.L.A.
100 FourStroke	4 cylinder EFI		1B366823 - 2B094994	61-8M8033014	8M0188317
100 FourStroke	4 cylinder EFI (2.1L)	2026	2B095049 and up	61-8M0090765	61-8M0128564
115 (Carb)	4 cyl. and oil injection	1994	0D283222 and up	17791T97 (NLA)	N.L.A.(1)
115 DFI/Pro XS	3 cylinder / 1.5L	2004	0T801000 and up	891767A07	N.L.A.
115 FourStroke	4 cylinder EFI		1B366823 - 2B094994	61-897148A08	8M0188318
115 FourStroke	4 cylinder EFI (2.1L)		2B095049 and up	61-8M0122427	61-8M0128566
125	4 cyl. and oil injection	1994	0D283222 and up	17791T97 (NLA)	N.L.A.(1)
125 DFI	3 cylinder / 1.5L	2004	0T801000 and up	891767A07	N.L.A.
V-135 (Carb)	2.0L with oil sensor hole	1990 - 1999	0C239553 - 0G960499	812815T97 (NLA)	N.L.A.
V-135 (Carb)	2.0L no oil sensor hole	2000	0G960500 - 0T178499	878635T00 (NLA)	N.L.A.
V-135 DFI	2.5L	1998 - 1999	0G590000 - 0G960499	804545T99 (NLA)	N.L.A.
V-135 DFI	2.5L	2000	0G960500 - 0T178499	854008T00 (NLA)	N.L.A.
V-135 DFI	2.5L	2001	0T178500 and up	879808T07	N.L.A.
135 Verado	4 cylinder, Gen I		1B227000 - 1B517158	NLA	N.L.A.
135 Verado	4 cylinder, Gen II		1B517159 and up	61-896499A08	N.L.A.
V-150 (Carb)	2.0L with oil sensor hole	1990 - 1999	0C239553 - 0G960499	878365T00 (NLA)	N.L.A.
XR6	2.5L	1992 - 1994	0D082000 - 0D284287	812817A92 (NLA)	N.L.A.
XR6/Tracker 150	2.5L	1994 - 1999	0D284788 - 0G960499	823434T97 (NLA)	N.L.A.
XR6	2.5L	2000 - 2006	0G960500 - 1B226999	823434T00 (NLA)	N.L.A.
V-150 (Carb)	2.5L	1999 - 2000	0G760300 - 0G960499	823434T97 (NLA)	N.L.A.
V-150 (Carb)	2.5L	2000 - 2006	0G960500 - 1B226999	823434T00 (NLA)	N.L.A.
V-150 EFI	2.5L	1993 - 1999	0D082000 - 0G960499	823434T97 (NLA)	N.L.A.
V-150 EFI	2.5L	2000 - 2001	0G960500 - 0T408999	823434T00 (NLA)	N.L.A.
V-150 EFI	2.5L	2002	0T409000 and up	NLA	N.L.A.
V-150 DFI	2.5L	1998 - 1999	0G590000 - 0G886266	804545T99 (NLA)	N.L.A.
V-150 DFI	2.5L	2000	0G886267 - 0T178499	854008T00 (NLA)	N.L.A.
V-150 DFI	2.5L	2001	0T178500 and up	879808T07	N.L.A.

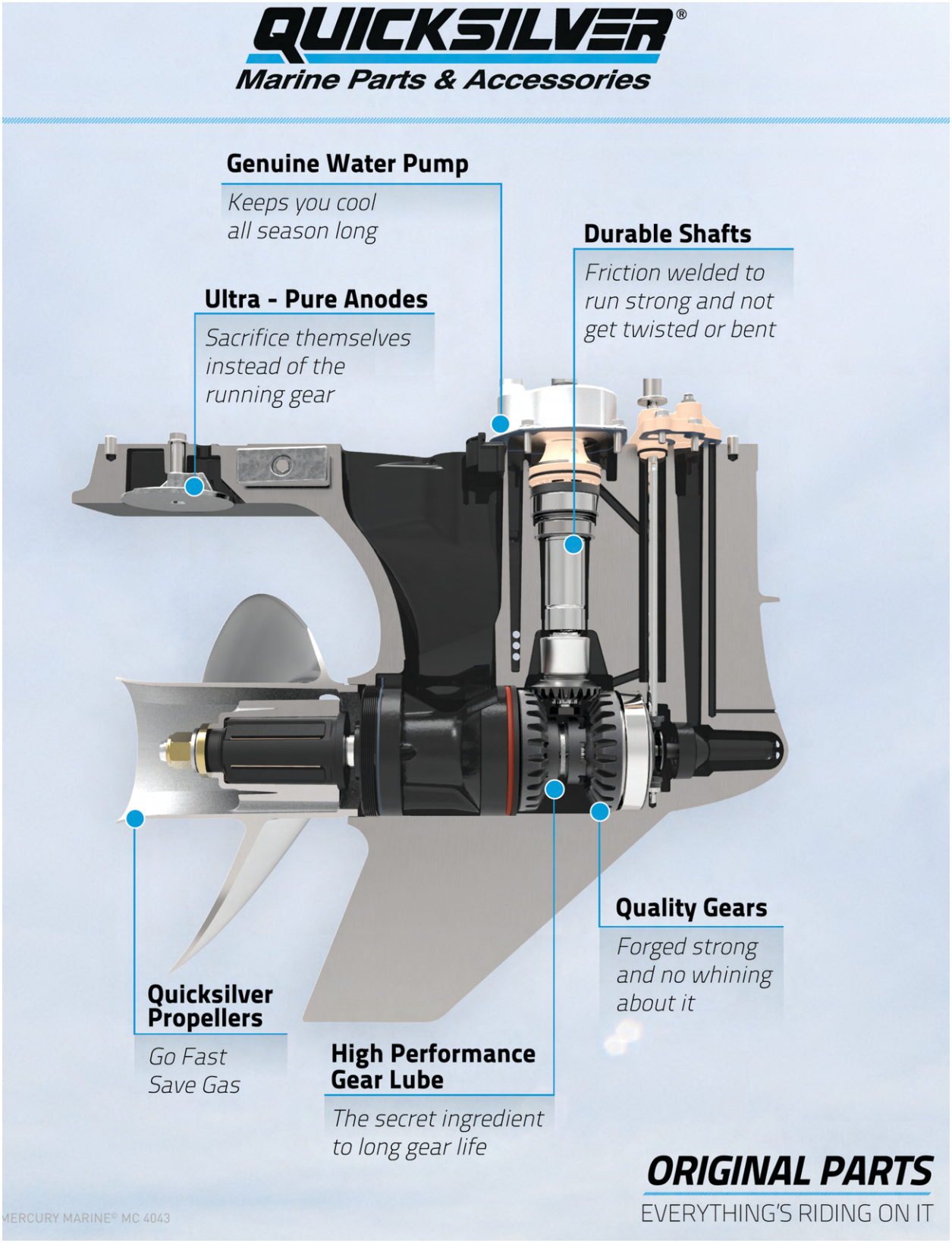
Model	Model Notes	Year Range	Serial # Range	New Part Number	Reman Part Number
150 Verado	4 cylinder, Gen I		1B227000 - 1B517158	NLA	N.L.A.
150 Verado	4 cylinder, Gen II		1B517159 and up	61-896499A08	N.L.A.
150 EFI FourStroke	4 cylinder EFI	2012 - 2026	1B905505 and up	91-8M0122811	61-8M0070524
V-175 (Carb)	2.5 L	1992 - 1999	0D082000 - 0G960499	812817T97 (NLA)	N.L.A.
V-175 EFI	2.5 L	1992 - 1999	0D082000 - 0G960499	812817T97 (NLA)	N.L.A.
V-175 EFI	2.5 L	2000 - 2001	0G960500 - 0T408999	812817T00 (NLA)	N.L.A.
V-175 EFI	2.5 L	2001 - 2006	0T409000 - 0T800999	NLA	N.L.A.
V-175 DFI	2.5L	2001	0T178500 and up	879809T07	N.L.A.
175 Verado	4 cylinder, Gen I		1B227000 - 1B517158	NLA	N.L.A.
175 Verado	4 cylinder, Gen II		1B517159 and up	61-896499A08	N.L.A.
V-200 (Carb)	2.5L	1991	0C291520 - 0D081999	812827T91 (NLA)	N/A
V-200 (Carb)	2.5L	1992 - 1999	0D082000 - 0G960499	813043T97 (NLA)	NLA
V-200 (Carb)	2.5L	2000	0G960500 and up	813043T00 (NLA)	N.L.A.
V-200 EFI	2.5L	1992 - 1999	0D082000 - 0G960499	813043T97 (NLA)	NLA
V-200 EFI	2.5L	2000 - 2001	0G960500 - 0T408999	813043T00 (NLA)	N.L.A.
V-200 EFI	2.5L	2002	0T409000 and up	NLA	N.L.A.
V-200 EFI	3.0L	2004	0T750164 and up	891823A07	N/A
V-200 DFI	3.0L	1997	0G386496 - 0G589999	809973A97 (NLA)	N/A
V-200 DFI	3.0L	1998 - 1999	0G590000 - 0G960499	854198A99 (NLA)	N.L.A.
V-200 DFI	3.0L	2000	0G960500 - 0T178499	854198A00 (NLA)	N.L.A.
V-200 DFI	3.0L	2001 - 2002	0T178500 - 0T598999	854198A01 (NLA)	N.L.A.
V-200 DFI/Pro XS	3.0L	2003	0T599000 and up	854198A07	N.L.A.
200 Verado	4 cylinder, Gen I		1B227000 - 1B517158	NLA	N.L.A.
200 Verado	4 cylinder, Gen II		1B517159 and up	61-896499A08	N.L.A.
200 Verado	6 cylinder, Gen I	2005 - 2007	0T980000 - 1B517433	895247A06 (NLA)	N.L.A.
200 Verado	6 cylinder, Gen II	2008 - 2015	1B517434 - 2B144122	61-895247A07	N.L.A.
V-225 Carb	3.0L w/ 8 tooth spline	1994	0D280813 - 0G129221	823291A94 (NLA)	N.L.A.
V-225 Carb	3.0L w/ 13 tooth spline	1995 - 2001	0G129222 - 0T408999	809794A97 (NLA)	N.L.A.
V-225 EFI	3.0L w/mechanical oil pump	1995 - 1999	0G129222 - 0G960499	809794A97 (NLA)	N.L.A.
V-225 EFI	3.0L w/mechanical oil pump	2000 - 2001	0G960500 - 0T408999	804799A00 (NLA)	N.L.A.
V-225 EFI	3.0L w/electric oil pump	2002 - 2006	0T409000 - 1B417701	883892A07	N.L.A.
V-225 EFI	3.0L w/electric oil pump	2007	1B417702 and up	883892A07	N.L.A.
V-225 DFI	3.0L	1998 - 1999	0G590000 - 0G960499	854199A99 (NLA)	N.L.A.
V-225 DFI	3.0L w/no head casting number	2000	0G960500 - 0T090166	854199A00 (NLA)	N.L.A.
V-225 DFI	3.0L w/head casting number	2000	0T090167 - 0T178499	877869A00 (NLA)	N.L.A.
V-225 DFI	3.0L	2001 - 2002	0T178500 - 0T598999	877869A01 (NLA)	N.L.A.
V-225 DFI	3.0L	2002	0T599000 and up	877869A07	NLA
V-225 Pro XS	3.0L	2005	1B104549 and up	61-843034A07	N.L.A.
225 Verado	6 cylinder, Gen I	2005 - 2007	0T980000 - 1B517433	895247A06 (NLA)	N.L.A.
225 Verado	6 cylinder, Gen II	2008 - 2015	1B517434 - 2B144122	61-895247A07	N.L.A.

OUTBOARD POWERHEAD CROSS REFERENCE CHART

Model	Model Notes	Year Range	Serial # Range	New Part Number	Reman Part Number
225 Verado	6 cylinder, Gen V	2015 - 2026	2B144123 and up	61-896966A07	8M0188321
V-250 EFI	3.0L w/mechanical oil pump	1995 - 1999	0G129222 - 0G960499	809794A97 (NLA)	N.L.A.
V-250 EFI	3.0L w/mechanical oil pump	2000 - 2001	0G960500 - 0T408999	804800A00 (NLA)	N.L.A.
V-250 EFI	3.0L w/electric oil pump	2002	0T409000 and up	883894A07	N.L.A.
V-250 DFI	3.0L	2007	1B528615 and up	61-843034A07	N.L.A.
V-250 XS	3.0L	2003	0T651945 and up	61-841017A52	61-841017A52
V-250 Pro XS	3.0L	2006 - 2026	1B426561 and up	61-841017A52	61-841017A52
250 Verado	6 cylinder, Gen I	2005 - 2007	0T980000 - 1B517433	895247A06 (NLA)	N.L.A.
250 Verado	6 cylinder, Gen II	2008 - 2015	1B517434 - 2B144122	61-895247A07	N.L.A.
250 Verado	6 cylinder, Gen V	2015 - 2026	2B144123 and up	61-896966A07	8M0188321
275 Verado	6 cylinder, Gen I	2005 - 2007	0T980000 - 1B517433	895247A06 (NLA)	N.L.A.
275 Verado	6 cylinder, Gen II	2008 - 2015	1B517434 - 2B144122	61-895247A07	N.L.A.
300 PRO MAX	V-6 3.0 Litre / 185.9 cu. In.	2001 - 2005	0T235084 - 0T999587	NLA	N.L.A.
300 Verado	6 cylinder, Gen II	2008 - 2015	1B517434 - 2B144122	61-895247A07	N.L.A.
300 Verado	6 cylinder, Gen V	2015 - 2026	2B144123 and up	61-896966A07	8M0188321

(1) May be used for both CDM or Non-CDM ignition applications.

OUTBOARD GEARCASE



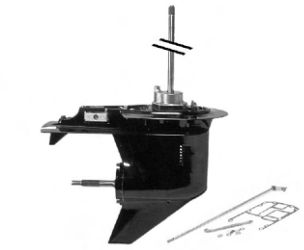
OUTBOARD GEARCASES - NEW

OUTBOARD GEARCASE-NEW

Quicksilver offers 100% genuine OEM gearcases for many Mercury and Mariner applications between 40-300 HP. These are genuine original factory parts. Invest wisely in your time on the water with a Quicksilver gearcase, because everything is riding on it.

MERCURY, MARINER 3-CYLINDER (70, 75, 80, 90 HP)

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

GEAR HOUSING ASSEMBLY COMPLETE



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 HP)

GEAR HOUSING ASSEMBLY COMPLETE

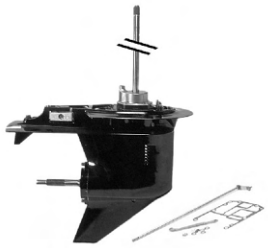


1667- 9011J 6

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 clutch

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

GEAR HOUSING ASSEMBLY COMPLETE

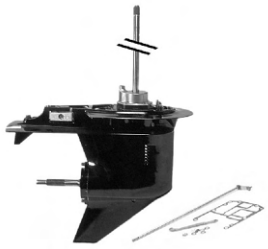


1667- 9011J15

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

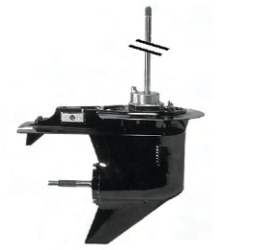
GEAR HOUSING ASSEMBLY COMPLETE



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 clutch.

GEAR HOUSING ASSEMBLY COMPLETE



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.

1667- 9011J39

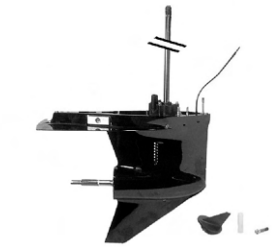
Black, 2.33:1 gear ratio. 25" extra long shaft length. 12 pinion teeth.
Fits Mercury 75-90 hp. (3-cylinder) 2-cycle OptiMax/DFI outboards.

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)

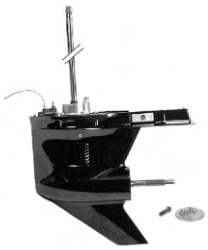
Fits Mercury 135-200 (2.5L) V-6 outboards

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



1600-8M0236231

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)

1600-8M0236242

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)

GEARCASE ASSEMBLY COMPLETE



1600-8M0236258

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

1600-8M0236259

Black, 1.85:1 gear ratio, 30 inches. 13 pinion teeth. (XXL model) driveshaft length, right hand rotation

Fits the 6-cylinder Verado with 4.80-inch torpedo diameter

OUTBOARD GEARCASE ASSEMBLY



1623-8M0236249

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

1600-8M0236250

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.

1600-8M0236251

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



1600-8M0236271

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



1600-8M0236261

Black, RH, 2.08:1 gear ratio. 20" (L) long shaft length. 13 pinion teeth.

Fits Mercury 135, 150, 175, 200 hp L4 Verado

1600-8M0236262

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

1600-8M0236263

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



1600-8M0236255

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

1600-8M0236256

Black, 1.85:1 gear ratio, 25 inches. 13 pinion teeth. (XL model) driveshaft length, right hand rotation

Fits the 6-cylinder Verado with 4.80-inch torpedo diameter

1600-8M0236258

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

1600-8M0236259

Black, 1.85:1 gear ratio, 30 inches. 13 pinion teeth. (XXL model) driveshaft length, right hand rotation

Fits the 6-cylinder Verado with 4.80-inch torpedo diameter

1600-8M0236260

Black, 1.85:1 gear ratio, 30 inches. 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



1600-8M0236264

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.

1600-8M0236267

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.

1600-8M0236265

Black, 1.75:1 gear ratio, 25-inch, 12 pinion teeth, (XL model) driveshaft length, right hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

1600-8M0236269

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.

1600-8M0236266

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.

1600-8M0236270

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.

3.0L/350/ CRATE ENGINES



1 YEAR LIMITED WARRANTY

350 MPI Bravo® Crate Engine

This premium 300hp engine features a heavy-duty Quicksilver block and smooth-flowing Quicksilver cylinder heads for reliable performance in sterndrive or inboard installations.

Replaces: 5.7L MPI inboard and sterndrive engines, including MerCruiser, Volvo Penta, Crusader/PCM, and Indmar. With free PCM voucher these can also upgrade most 5.0L MerCruiser sterndrives.

MPI

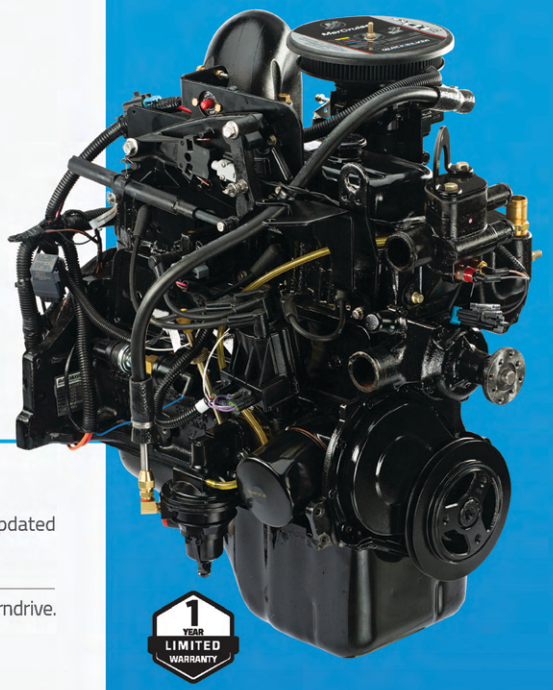
3.0L TKS Crate Engine

This durable 135hp engine features a turnkey starting carburetor and updated Quicksilver combustion chambers for smoother operation.

Replaces: 2.5L, 3.0L or 3.0LX engines with a MerCruiser or Volvo Penta sterndrive.

CRATE ENGINES

If the engine to be repaired has internal damage, but the dress components are in good condition, a Quicksilver crate engine can be a value alternative to purchasing a complete new engine. A Quicksilver crate engine is a major assembly that includes a new longblock as well as the fuel delivery and ignition components required for a high-quality major repair. The engine is completed by reusing many components from the engine being repaired, or those components must be purchased separately. Quicksilver crate engines are universal power upgrades for MerCruiser® sterndrive and inboard applications, and they're adaptable to other brands of sterndrives and inboards regardless of make.



1 YEAR LIMITED WARRANTY

350 Crate Engines

300 HP

With several internal upgrades and 1 year of standard limited warranty, the 350 MPI crate engines stand tall as the best overall value to repower your marine engine.

- 1-Year limited factory warranty
- 4-Bolt mains, screw in rocker studs
- Internal updates: 4-bolt main, screw-in rocker studs
- Repower many makes of sterndrives and inboards including Volvo, Crusader, and Indmar
- The 350 MPI Crate engine offers a great way to power-up from an obsolete 5.0 MPI model

1 YEAR LIMITED WARRANTY



714-8M0187352 | Use for 2002-2004 MerCruiser models rated for 4600-5000 RPM
714-8M0187351 | Use for 2005 & newer MerCruiser models rated for 4800-5200 RPM

QUICKSILVER Marine Parts & Accessories

Power	300HP
Full Throttle Range	4600-5000 RPM & 4800-5200 RPM
Displacement	350 CID (5.7L)
Engine Type	4-bolt main iron block with Mercury iron heads using screw in Rocker Studs and Hardened Seats
Bore & Stroke	4.00" x 3.48" (102mm x 88mm)
Compression Ratio	9.4:1
Rocker Arm Ratio	1.5:1 Stamped Steel
Cranktrain	Nodular Iron Crankshaft and Powder Metal Rods
Fuel Requirement	87 Octane (R+M)/2
Fuel System	MPI system includes Fuel Injectors, Fuel Rail, & Sensors
Induction System	Marine intake with iron base and 2-piece long runner intake with 75mm Throttle Body Unit
Ignition System	High Voltage Switch and Platinum Spark Plugs
Charging System	Not Installed
Water Drain System	Not Installed
Exhaust System	Not Installed
Cooling System	Marine Circulating Water Pump Included
Accessory Drive System	Not Installed
Lubrication System	High Flow Oil Pump
Recommended Engine Oil	SAE 25-40 NMMA Certified FC-W Synthetic Blend
Audio Warning System	Not Installed
Alpha Ratio (Gen I, Gen II)	1.50:1, 1.47:1
Bravo One® Ratios	1.50:1, 1.65:1
Bravo Two® Ratios	2.00:1, 2.20:1, 2.40:1 High Altitude
Bravo Three® Ratios	2.00:1, 2.20:1, 2.40:1 High Altitude
Inboard Ratios	Depends Upon Application
Shipping Dimensions (LxWxH)	42"x 30"x 39"(1054mm x 749 mm x 991 mm)
Engine Weight (Lbs. / Kg)	598 / 272

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MERCURY Remanufacturing

QUICKSILVER CRATE ENGINES

Quicksilver has been building the 350 Crate Engines as parts for repairing boat engines since 2008. These were never converted automotive units or remanufactured, but rather built by Quicksilver from scratch for marine duty. Crate Engines are major assemblies that include a new longblock as well as the fuel delivery and ignition components required for a high quality major repair, however, they require many more parts to be transferred from the engine being repaired or bought new before a boat can be made to go. Crate Engine major assemblies lack a cooling system, engine mounts, fuel handling system, exhaust system, couplers, control mounting points, a starter, accessory drive, alternator, seawater pump, power steering, and usually a flywheel. The offerings are now expanding beyond the familiar 350 carbureted and MPI models.

3.0L CRATE ENGINE

3.0L TKS CRATE ENGINE



8M0187350

135 HP @ 4800 RPM. 181 cubic inch partially dressed marine engine.
Engine Features: Turn Key Start Carburetor with Mechanical Fuel Pump and Flame Arrestor. Built with 100% new Quicksilver: cast iron block, large fillet radii crankshaft, Tri-metal bearings, 9.3:1 hypereutectic pistons, revised TKS carburetor calibration, and 1.5:1 rocker arms. Quicksilver cylinder heads feature: hardened seats, screw in studs, Black-X valves & an exclusive Quicksilver combustion chamber allowing 4 deg BTDC base timing. Content includes harmonic balancer, thermostat housing with 140F degree thermostat, NGK spark plugs, marine distributor, plug wires, exhaust elbow, sensors, audio warning horn for overheat, low oil pressure, and low drive lube levels. It uses EST Analog Ignition, includes shift bracket for shift interrupt, and 14-pin Harness. Compatible with front or side engine mounts. Pilot bore machined into crankshaft to accept dealer installed Volvo couplers.
Runs on 87 Octane Fuel.
135 HP 100% New Crate Engine

This all-new construction 3.0L crate engine is for all makes of inboard and sterndrive 3.0L marine carbureted engines built since 1990 & up. It requires the installation of a 14" flywheel. A refurbished 14" flywheel 8M0135884 is available separately.

350 MPI BRAVO CRATE ENGINE

350 MPI BRAVO CRATE ENGINE



8M0187352

300 HP @ 5000 RPM – Standard / Left-Hand rotation. Brand New 350 cubic inch partially dressed marine engine assembly. Feature include: New 75mm TBU, 2-piece aluminum intake manifold with iron base, new fuel injector & rail assembly, TPS & TMAP sensors, HVS assembly, nodular iron crankshaft, roller camshaft, Quicksilver iron cylinder heads, screw-in rocker studs, stainless steel valves, 9.4:1 hypereutectic pistons.
Includes: Harmonic balancer, oil pan, circulating water pump, NGK spark plugs, wires and crank sensor. Runs on 87 Octane Fuel.

300 HP New Crate Engine
Not just a service replacement, this all new construction crate engine can be used as a power upgrade for 2002-2004 MerCruiser 5.0L Bravo sterndrives (s/n 0M600000-0W029410) with a single knock sensor & Gen II Cool Fuel. Includes a voucher for an ECM or PCM to aid with the repower of any MerCruiser 5.0L MPI into a 350 MPI

8M0187351

300 HP @ 5200 RPM – Standard / Left-Hand rotation. Brand New 350 cubic inch partially dressed marine engine assembly. Feature include: 75mm TBU, 2-piece aluminum intake manifold with iron base, new fuel injectors & rail assembly, TPS & TMAP sensors, HVS assembly, nodular iron crankshaft, roller camshaft, Quicksilver iron cylinder heads, screw-in rocker studs, stainless steel valves, 9.4:1 hypereutectic pistons.
Includes: Harmonic balancer, oil pan, circulating water pump, NGK spark plugs, wires, crank and knock sensors. Runs on 87 Octane Fuel.

300 HP New Crate Engine
Not just a service replacement, this all new construction crate engine can be used as a power upgrade for 2005 & MerCruiser 5.0L Bravo sterndrives (s/n 0W310000 and up) with dual knock sensors & Gen 3 Cool Fuel. Includes a voucher for an ECM or PCM to aid with the repower of any MerCruiser 5.0L MPI into a 350 MPI

QUICKSILVER PLUS SERIES ENGINES



3.0L Alpha TKS

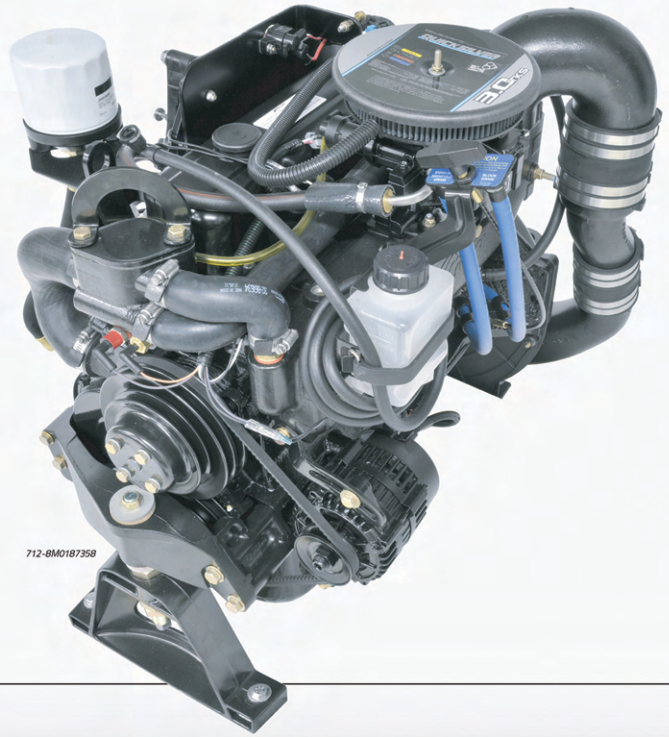
135 HP

The ideal repower for your runabout or pontoon boat using the classic front engine mount system.

- No Power Steering - The best value available
- Turn Key Starting
- Black-X Valve Tech

1 YEAR LIMITED WARRANTY

QUICKSILVER Marine Parts & Accessories



Power	135HP (99kW)
Full Throttle Range	4400-4800 RPM
Displacement	181 CID (3.0L)
Engine Type	All new iron block with Quicksilver iron heads using screw in rocker studs, Black-X valves, and hardened valve seats
Bore & Stroke	4.00" x 3.60" (102mm x 88mm)
Compression Ratio	9.3:1 with Cast Alloy Pistons
Rocker Arm Ratio	1.5:1 Stamped Steel
Cranktrain	Nodular Iron Crankshaft
Fuel Requirement	87 Octane (R+M)/2
Fuel System	2V MercCarb with Automatic Enrichment for Turn Key Starting with Mechanical Fuel Pump
Induction System	Iron Manifold
Ignition System	Distributor
Charging System	65 Amp / 917 Watt Alternator
Water Drain System	EZ Water Drain using Blue Drain Hoses wih Retractable Handle
Exhaust System	Iron Manifold
Cooling System	Thermostatically Controlled Raw Water – 143F
Accessory Drive System	V-Belt
Lubrication System	High Flow Oil Pump
Recommended Engine Oil	SAE 25W40 NMMA Certified FC-W Synthetic Blend
Audio Warning System	Oil Pressure, Coolant Temperature, Drive Lube
Alpha Gear Ratios	2.00:1 / 2.40:1 High Altitude
Dimensions (LxWxH)	29" x 22" x 21" (730mm x 565mm x 526mm)
Engine Weight (Lbs. / Kg)	567 / 257
Optional Fresh Water Cooling	Dealer Installed Kit
Boat Harness Type	14-pin

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350 MPI Alpha

300 HP

It's the V-8 engine you really wanted when you bought the boat. It's never too late to upgrade from a carburetor or from a 5.0L to a 350 MPI!

- 1-Year limited factory warranty
- Internal upgrades: Black-X Valve Tech, screw in studs, thick wall casting, hardened valve seats

1 YEAR LIMITED WARRANTY



712-8M0187359

QUICKSILVER Marine Parts & Accessories

Power	300 HP (224 kW)
Full Throttle Range	4800-5200 RPM
Displacement	350 CID (5.7L)
Engine Type	All new iron block with Quicksilver iron heads using screw in rocker studs, Black-X valves, and hardened valve seats
Bore & Stroke	4.00" x 3.48" (102mm x 88mm)
Compression Ratio	9.4:1
Rocker Arm Ratio	1.5:1 Stamped Steel
Cranktrain	Nodular Iron Crankshaft and Powder Metal Rods
Fuel Requirement	87 Octane (R+M)/2
Fuel System	MPI system with Gen2 Cool Fuel
Induction System	Marine intake with iron base and 2-piece long runner intake with 75mm Throttle Body Unit
Control System	ECM 555 with SmartCraft CAN Capability
Ignition System	Crank Fired High Voltage Switch w/Knock Control & Iridium Spark Plugs
Charging System	65 Amp / 917 Watt Alternator
Water Drain System	Multi-Point Drain – Hand removable Blue Drain Plugs
Exhaust System	Iron Manifold with Dry-Joint Exhaust Elbow
Cooling System	Thermostatically Controlled Raw Water – 160F
Accessory Drive System	Serpentine Belt
Lubrication System	High Flow Oil Pump
Recommended Engine Oil	SAE 25W40 NMMA Certified FC-W Synthetic Blend
Audio Warning System	Oil Pressure, Coolant Temperature, Drive Lube, Water Pressure
Alpha® Ratios	1.47:1/ High Altitude 1.81:1
Shipping Dimensions (LxWxH)	32"x 30"x 22"(814mm x 740 mm x 559 mm)
Optional FW Cooling	Dealer Installed Kit
Boat Harness Type	10-pin
Engine Weight (Lbs. / Kg)	932 / 423

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350 MPI Bravo

300 HP

It's the V-8 engine you really wanted when you bought the boat. It's never too late to upgrade from a carburetor or from a 5.0L to a 350 MPI!

- 1-Year limited factory warranty
- Internal upgrades: Black-X Valve Tech, screw in studs, thick wall casting, hardened valve seats

1 YEAR LIMITED WARRANTY

QUICKSILVER Marine Parts & Accessories



712-8M0187360

Power	300 HP (224 kW)
Full Throttle Range	4800-5200 RPM
Displacement	350 CID (5.7L)
Engine Type	All new iron block with Quicksilver iron heads using screw in rocker studs, Black-X valves, and hardened valve seats
Bore & Stroke	4.00" x 3.48" (102mm x 88mm)
Compression Ratio	9.4:1
Rocker Arm Ratio	1.5:1 Stamped Steel
Cranktrain	Nodular Iron Crankshaft and Powder Metal Rods
Fuel Requirement	87 Octane (R+M)/2
Fuel System	MPI system with Gen2 Cool Fuel
Induction System	Marine intake with iron base and 2-piece long runner intake with 75mm Throttle Body Unit
Control System	ECM 555 with SmartCraft CAN Capability
Ignition System	Crank Fired High Voltage Switch w/Knock Control & Iridium Spark Plugs
Charging System	65 Amp / 917 Watt Alternator
Water Drain System	Multi-Point Drain – Hand removable Blue Drain Plugs
Exhaust System	Iron Manifold with Dry-Joint Exhaust Elbow
Cooling System	Thermostatically Controlled Raw Water – 160F
Accessory Drive System	Serpentine Belt
Lubrication System	High Flow Oil Pump
Recommended Engine Oil	SAE 25W40 NMMA Certified FC-W Synthetic Blend
Audio Warning System	Oil Pressure, Coolant Temperature, Drive Lube, Water Pressure
Bravo One® Ratios	1.50:1, 1.65:1
Bravo Two® Ratios	2.00:1, 2.20:1
Bravo Three® Ratios	2.00:1, 2.20:1, 2.43:1
Shipping Dimensions (LxWxH)	32"x 30"x 22"(814mm x 740 mm x 559 mm)
Optional FW Cooling	Dealer Installed Kit
Boat Harness Type	10-pin
Engine Weight (Lbs. / Kg)	932 / 423

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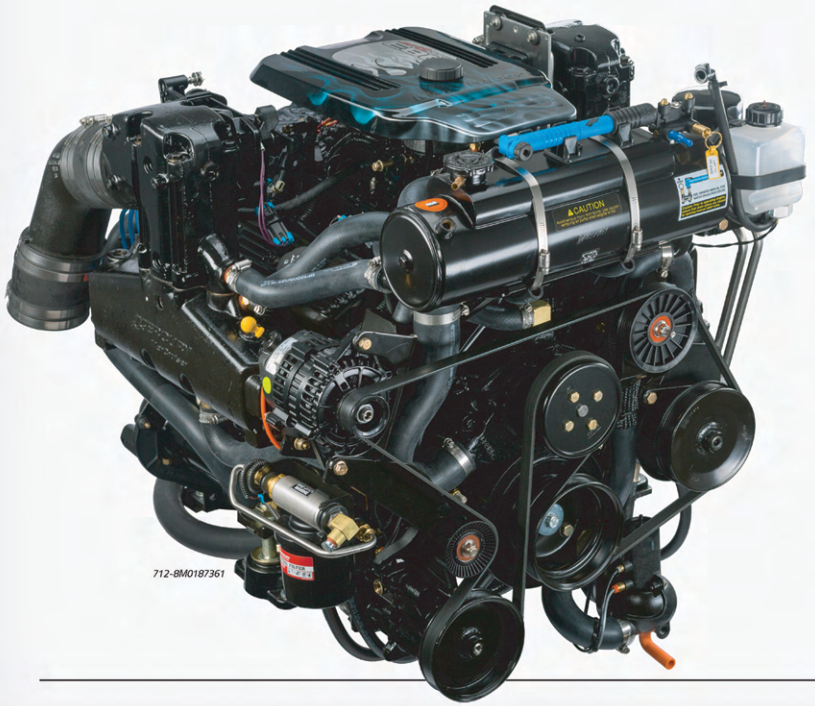
383 MPI Bravo (FWC)

350 HP

With a full closed cooling system and tons of torque this engine is more than ready to upgrade single and twin engine boats using 350, 377 & 454 engines used in saltwater

- 1-Year limited factory warranty
- Internal upgrades: Black-X Valve Tech, screw in studs, thick wall casting, hardened valve seats

1 YEAR LIMITED WARRANTY



712-8M0187361

QUICKSILVER Marine Parts & Accessories

Power	350 HP
Full Throttle Range	4800-5200 RPM
Displacement	383 CID (6.3L)
Engine Type	All new iron block with Quicksilver iron heads using screw in rocker studs, Black-X valves, and hardened valve seats
Bore & Stroke	4.030" x 3.750" (102mm x 95mm)
Compression Ratio	9.0:1 with Hypereutectic Pistons
Rocker Arm Ratio	1.6:1 Full Roller
Fuel Requirement	87 Octane (R+M)/2
Fuel System	MPI system with Gen II Cool Fuel
Induction System	2-piece long runner intake with 75mm Throttle Body
Control System	ECM 555 with SmartCraft CAN Capability
Ignition System	Crank Fired High Voltage Switch w/Knock Control & Iridium Spark Plugs
Charging System	65 Amp / 917 Watt Alternator
Water Drain System	Multi-Point Drain – Hand removable Blue Drain Plugs
Exhaust System	Iron Manifold with Dry-Joint Exhaust Elbow
Cooling System	Full Closed Cooling – 160F
Accessory Drive System	Serpentine Belt
Lubrication System	High Flow Oil Pump
Recommended Engine Oil	SAE 25W40 NMMA Certified FC-W Synthetic Blend
Audio Warning System	Oil Pressure, Coolant Temperature, Drive Lube, Water Pressure
Bravo One® Ratios	1.50:1, 1.65:1
Bravo Two® Ratios	1.81:1, 2.00:1, 2.20:1
Bravo Three® Ratios	1.81:1, 2.00:1, 2.20:1, 2.43:1
Dimensions (LxWxH)	32"x 30"x 22"(814mm x 740 mm x 559 mm)
Engine Weight (Lbs. / Kg)	980 / 445
Fresh Water Cooling	Standard
Boat Harness Type	10-pin

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409 MPI BRAVO

QUICKSILVER Engines

409 MPI Bravo® FWC



MPI · SmartCraft · 1 YEAR WARRANTY

400hp

Premium power for classic sterndrive and inboard cruisers and performance boats

Lightweight, smooth and quiet, the 400hp 409 MPI Bravo engine features a flat-plane crankshaft that generates serious torque and horsepower, delivering an exciting boost in speed and hole shot when repowering classic sterndrive and inboard boats. Durable and efficient, the 409 engine can provide years of additional fun on the water.

- Fuel injected for surefire performance in all conditions
- Compatible with Mercury® SmartCraft® digital gauges, displays and controls
- CARB & EPA compliant (requires old engine return for repower)
- Black-X composite valves reduce valve wear and help extend engine life
- 1-year limited warranty

QUICKSILVER Engines

Power	400hp (298 kW)
WOT RPM	5000-5800
Displacement	409 cu in (6.7L)
Engine Type	Quicksilver V8 iron block and aluminum cylinder heads with Black-X composite valves
Bore & Stroke	4.035 x 4.00 in (102 x 102mm)
Compression Ratio	9.4:1 (with ceramic-coated forged pistons)
Rocker Arm Ratio	1.6:1 (shaft-mounted)
Fuel Compatibility	87 octane minimum / up to 10% ethanol
Engine Control System	ECM 555 with SmartCraft CAN Capability
Fuel-Delivery System	Gen 2 Cool Fuel (4 bar)
Fuel-Injection System	Multi-point fuel injection
Induction System	Single-plane intake with 4-blade throttle body
Ignition System	HVS with fixed-gap spark plugs
Charging System	65 amp (917 watt)
Water Drain System	Single-point air-actuated
Exhaust System	Dry joint
Cooling System	Closed cooling, long-life 5-year antifreeze, brass seawater pump
Accessory Drive System	Serpentine belt
Lubrication System	High-flow 100 psi oil pump, 140F oil thermostat, and copper oil cooler
Recommended Engine Oil	SAE 25W-50 NMMA Certified FC-W® full synthetic
Audio Warning System	Oil pressure, coolant temperature, drive lube, seawater pressure, low voltage, over-rev control (6150 RPM)
Bravo One® X Gear Ratio	1.65:1
Bravo Two X® Gear Ratio	2.00:1 (O), 2.20:1 (P)
Bravo Three X® Gear Ratio	2.00:1 (O), 2.20:1 (P), 2.43:1 (H)
Dimensions (LxWxH)	34.5 x 29.6 x 35.8 in (876 x 752 x 909mm)
Engine Weight	985 lbs (447kg)
Freshwater Cooling	Standard
Boat Harness Type	10-pin

Replacement for 21- to 31-foot single-engine boats and 28- to 38-foot twin-engine boats built before 2010 (prior to 2008 in California) and powered by 6.2L, 7.4L, 8.1L or 8.2L sterndrive and inboard engines.

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QUICKSILVER PLUS-SERIES ENGINES

The PLUS-SERIES ENGINES from QUICKSILVER are a 100% new construction, and contain all the parts a CRATE ENGINE lacks. These are drop-in-ready new marine engines. Based on popular MerCruiser and Mercury Remanufacturing models, these are 100% new engines that are built with marine-grade engine internals and other NEW marine components. QUICKSILVER PLUS-SERIES engines are 100% new factory engines for repowering classic boats built before 2008.

Since the focus of PLUS-SERIES ENGINES is repower, many parts included in new MerCruiser engines used for new boat construction are not included. Parts such as: transoms, trim pumps, Y-Pipes, rigging, props, boat harnesses, riser kits, closed cooling kits, steering cylinders, lubes, and many other parts required for a successful repower must all be purchased separately.

Adapting Plus Series engines to specific applications may require some parts to be transferred from the engines coming out of the boat or purchased separately. Examples include:

- Transfer of flywheel housings, couplers, and other hardware to adapt to various makes of drives and transoms
- Changing engine couplers to match specific transmissions, or customer preferences
- Changing engine mounts from front to side, or using solid engine mounts
- Use of various Quicksilver kits to meet customer preferences or the specified installation requirements found in the Repower Reference Manual included with the engine

3.0L TKS - ENGINE ONLY

QUICKSILVER 3.0L TKS ALPHA PLUS ENGINE



8M0187358

3.0L TKS Alpha Sterndrive Engine Only. 135 HP @ 4800 RPM. 181 Cubic Inch Fully Dressed Marine Engine. Engine Features: Non-Power Steering. Front Engine Mount. Turn Key Start Carburetor with Mechanical Fuel Pump. It is built with 100% new Quicksilver: cast iron block, large fillet radii crankshaft, Tri-metal bearings, 9.3:1 pistons, revised TKS carburetor calibration, 140F degree thermostat, NGK spark plugs, and 1.5:1 rocker arms. Quicksilver cast iron cylinder heads that feature: hardened seats, screw in studs, Black-X valves, & an exclusive Quicksilver combustion chamber allowing 4 deg BTDC base timing. Audio warning horn for overheat, low oil pressure, and low drive lube levels. It uses EST Analog Ignition, Single-Point Water Drain Using Blue Hoses, and 14-Pin Harness. Provision is made in the block for dealer installation of side engine mounts. Pilot bore machined into crankshaft to accept dealer installed Volvo couplers. Shipped with MerCruiser Alpha Coupler. Runs on 87 Octane Fuel.
NOTE: Because this is a completely new engine and not a major repower assembly, the old engine being replaced is to be returned per EPA 1068.240.

135 HP 100% New Quicksilver Sterndrive Engine
Replaces 3.0L Alpha sterndrive engines.
"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

350 MPI ALPHA - ENGINE ONLY

350 MPI ALPHA - ENGINE ONLY



8M0187359

350 MPI ALPHA – Alpha Engine Only. 300 HP @ 5000 RPM. 350 Cubic Inch Fully Dressed Marine Engine. Engine Features 100% new Quicksilver: Cast Iron Engine Block, Raw Water Cooling with Warm Exhaust Manifolds, Special Flame Graphics, Multi-Port Fuel Injection using Cool fuel II, Dry Joint Exhaust, Roller Camshaft, Quicksilver Cast Iron Cylinder Heads featuring Black-X Valve Tech, 1.5:1 stamped rocker arms, ECM555, Engine Guardian, SmartCraft Ready, Mechanical Throttle and Shift, and 10-Pin Harness. Runs on 87 Octane Fuel.
NOTE: If used with an Alpha One (Gen I) drive, this engine requires Seawater Pump Kit 46-8M0139983 & serpentine belt 57-865615Q03 (sold separately) for proper cooling.
NOTE: Because this is a completely new engine and not a major repower assembly, the old engine being replaced is to be returned per EPA 1068.240.

300 HP 100% New Quicksilver Sterndrive Engine
Replaces: 5.0 EFI, 5.0L MPI, 5.7L EFI, & 350 MPI sterndrive Alpha models.
"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

350 MPI BRAVO - ENGINE ONLY

350 MPI BRAVO - ENGINE ONLY



8M0187360

350 MPI BRAVO – Bravo Engine Only. 300 HP @ 5000 RPM. 350 Cubic Inch Fully Dressed Marine Engine. Engine Features 100% new Quicksilver: Cast Iron Engine Block, Raw Water Cooling with Warm Exhaust Manifolds, Flush System, Special Flame Graphics, Multi-Port Fuel Injection using Cool fuel II, Dry Joint Exhaust, Roller Camshaft, Quicksilver Cast Iron Cylinder Heads featuring Black-X Valve Tech, 1.5:1 stamped rocker arms, ECM555, Engine Guardian, SmartCraft Ready, Mechanical Throttle and Shift, and 10-Pin Harness. Runs on 87 Octane Fuel.
NOTE: Because this is a completely new engine and not a major repower assembly, the old engine being replaced is to be returned per EPA 1068.240.

300 HP 100% New Quicksilver Sterndrive Engine
Replaces: 5.0 EFI, 5.0L MPI, 5.7L EFI, & 350 MPI sterndrive Bravo models.
"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

383 MPI FWC BRAVO - ENGINE ONLY

383 MPI FWC BRAVO - ENGINE ONLY



8M0187361

383 MPI FWC BRAVO – Bravo Engine Only. 350 HP @ 5200 RPM. 383 Cubic Inch Fully Dressed Marine Engine. Engine Features 100% new Quicksilver: Cast Iron Engine Block, Closed Cooled Engine Block & Exhaust Manifolds, Flush System, Special Flame Graphics, Multi-Port Fuel Injection using Cool fuel II, Dry Joint Exhaust, Roller Camshaft, Quicksilver Cast Iron Cylinder Heads featuring Black-X Valve Tech, 1.6:1 roller rocker arms, ECM555, Engine Guardian, SmartCraft Ready, Mechanical Throttle and Shift, and 10-Pin Harness. Runs on 87 Octane Fuel.
NOTE: Because this is a completely new engine and not a major repower assembly, the old engine being replaced is to be returned per EPA 1068.240.

350 HP 100% New Quicksilver Sterndrive Engine
Replaces: 5.0 EFI, 5.0L MPI, 5.7L EFI, 350 MPI, 377 MPI, 7.4L, 7.4L EFI, & 7.4L MPI sterndrive engines including SeaCore and Horizon Bravo models.
"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

409 MPI FWC BRAVO - ENGINE ONLY

409 MPI FWC BRAVO – ENGINE ONLY



8M0185589

409 MPI FWC BRAVO – Bravo Engine Only. 400 HP @ 5800 RPM. 409 Cubic Inch Fully Dressed Marine Engine. Engine Features 100% new Quicksilver: Cast Iron Engine Block, Closed Cooled Engine Block & Exhaust Manifolds, Special Flame Graphics,
Multi-Port Fuel Injection using Cool fuel II, DryJoint Exhaust, High Flow Aluminum Circ Pump,
Roller Camshaft, Quicksilver Aluminum Cylinder Heads featuring
Black-X Valve Tech, shaft mounted 1.6:1 roller rocker arms, ECM555, Engine Guardian,
SmartCraft Ready, Mechanical Throttle and Shift, and 10-Pin Harness. Runs on 87 Octane Fuel.

400 HP 100% New Quicksilver Sterndrive Engine
Replaces 454 HO, 502 HO, 496 Mag & 406 HO sterndrive engines including SeaCore and Horizon Bravo models.
"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

4.5L ALPHA - ENGINE ONLY

4.5L MPI 250 ALPHA - ENGINE ONLY



8M0245195

4.5L MPI 250 Alpha – Engine Only. 250 HP @ 5200 RPM. 275 cubic inch / 4.5 liter Fully Dressed Marine Engine. Engine Features 100% new: Cast Iron Engine Block, Raw Water Cooling, Sequential Fuel Injection with FSM, Roller Camshaft, Cast Iron Cylinder Heads, Engine Guardian, SmartCraft Ready, Mechanical Throttle and Shift, and 14-pin harness. Equipped with MerCruiser legacy engine mounts using 4" (102 mm) bolt centers. Includes some Rigging: Clean Power Harness, Gauge Harness & Digital Trim Sender. The included digital trim sender is required to be used to replace the sender in the installed transom. Recommended for use with the Quicksilver Alpha Gen II Transom 6-61000004P or Legacy MerCruiser Alpha Gen II Transoms. This engine is NOT compatible with the Alpha Gen II Digital Transom 6-61000002P due to incompatible engine mounts. Runs on 87 Octane
Fuel. NOTE: Because this is a completely new engine and not a major repower assembly, the old engine being replaced is to be returned per EPA 1068.240.

"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

4.5L BRAVO - ENGINE ONLY

4.5L MPI 250 BRAVO - ENGINE ONLY



8M0245196

250 HP @ 5200 RPM. 275 cubic inch / 4.5 liter Fully Dressed Marine Engine. Engine Features 100% new: Cast Iron Engine Block, Raw Water Cooling, Sequential Fuel Injection with FSM, Roller Camshaft, Cast Iron Cylinder Heads, Engine Guardian, SmartCraft Ready, Mechanical Throttle and Shift, and 14-pin harness. Equipped with MerCruiser legacy engine mounts using 4" (102 mm) bolt centers. Includes Some Rigging: Clean Power Harness, Gauge Harness & Digital Trim Sender. The included digital trim sender is required to be used to replace the sender in the installed transom. Recommended for use with the Quicksilver Bravo Transom 6-62000025P or Legacy MerCruiser Bravo Transoms. This engine is NOT compatible with the Bravo Digital Transom 6-62000010P due to incompatible engine mounts. Runs on 87 Octane Fuel. NOTE: Because this is a completely new engine and not a major repower assembly, the old engine being replaced is to be returned per EPA 1068.240.

"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

6.2L BRAVO - ENGINE ONLY

6.2L MPI 300 BRAVO - ENGINE ONLY



8M0245197

6.2L MPI 300 Bravo – Engine Only. 300 HP @ 5400 RPM. 377 cubic inch / 6.2 liter Fully Dressed Marine Engine. Engine features 100% new: Cast Iron Engine Block, Raw Water Cooling, Sequential Fuel Injection with FSM, Roller Camshaft, Cast Iron Cylinder Heads, Engine Guardian, SmartCraft Ready, Mechanical Throttle and Shift, and 14-pin harness. Equipped with MerCruiser legacy engine mounts using 4" (102 mm) bolt centers. Includes some Rigging: Clean Power Harness, Gauge Harness & Digital Trim Sender. The included digital trim sender is required to be used to replace the sender in the installed transom. Recommended for use with the Quicksilver Bravo Transom 6-62000025P or Legacy MerCruiser Bravo Transoms. This engine is NOT compatible with the Bravo Digital Transom 6-62000010P due to incompatible engine mounts. Runs on 87 Octane Fuel.
NOTE: Because this is a completely new engine and not a major repower assembly, the old engine being replaced is to be returned per EPA 1068.240.

"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

6.2L MPI 350 BRAVO FWC - ENGINE ONLY



8M0245198

6.2L MPI 350 Bravo FWC – Engine Only. 350 HP @ 5400 RPM. 377 cubic inch / 6.2 liter Fully Dressed Marine Engine. Engine Features 100% new: Cast Iron Engine Block, Full Fresh Water Cooling with Manifolds Included, Sequential Fuel Injection with FSM, Roller Camshaft, Cast Iron Cylinder Heads, Engine Guardian, SmartCraft Ready, Mechanical Throttle and Shift, and 14-pin harness. Equipped with MerCruiser legacy engine mounts using 4" (102 mm) bolt centers. Includes Some Rigging: Clean Power Harness, Gauge Harness & Digital Trim Sender. The included digital trim sender is required to be used to replace the sender in the installed transom. Recommended for use with DWP Bravo Sterndrives mounted to a Quicksilver Bravo Transom 6-62000025P or Legacy MerCruiser Bravo Transoms S/N 2A514803 & up. If using a transom built prior to S/N 2A514803 & up and/or without a DWP Bravo Sterndrive, then an External Water Pickup is required for proper cooling. This engine is NOT compatible with the Bravo Digital Transom 6-62000010P due to incompatible engine mounts. Runs on 87 Octane Fuel.
NOTE: Because this is a completely new engine and not a major repower assembly, the old engine being replaced is to be returned per EPA 1068.240.

"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

PLUS SERIES ENGINES

MERCURY Remanufacturing

Plus-Series Engines

- Remanufactured to offer the best repower value
- Many new Marine parts included
- 1 Year Limited Factory Warranty
- 100% Hot tested & pressure checked for quality

CNC machined Remanufactured GM Vortec Marine Block
•Line Bored Cam & Mains
•Max 0.040" CNC Overbore
•CNC Honed
•CNC Deck Machining

All New Stainless Steel Valves & Marine Valve Springs

Custom Flame Cover



383 use 1.6:1 Full Roller Rocker Arms

Marine Duty Cylinder Heads

Hypereutectic Pistons – Stronger than Cast Pistons

Hardened Valve Seats

New Marine Spark Plugs

New Marine Water Pump

Factory Filled with Quicksilver 25-40 FC-W Marine-Grade Oil

Complete Accessory Drive System Included

Exclusive 357 & 383 Camshaft Profiles

Some Blocks Machined for Mechanical Fuel Pump

383 uses 4340 Forged Crank, Others use Nodular Iron

Marine Oil Pan & Windage Tray

New High Flow Oil Pump ---- 383 use 100 psi Oil Pump

Exhaust System Includes Intermediate Pipes – No Y-pipes Included

MERCURY REMANUFACTURING PLUS-SERIES ENGINES

The PLUS-SERIES line from Mercury Remanufacturing is made up of unique engines that offer value performance for your next repower. Based on our popular MerCruiser products, these are fully remanufactured engines that are fitted with marine-grade performance valve train, pistons, induction system and (in some cases) marine headers to deliver factory reliability at an affordable price.
Each PLUS-SERIES engine is "Hot Tested" by supplying fuel and coolant so technicians can perform a series of live-running tests for quality assurance. All PLUS-SERIES engines are completely remanufactured and include exhaust manifolds, fuel, electrical and ignition systems so they are ready to rig into a boat. PLUS-SERIES engines from Mercury Remanufacturing come with a One-Year Factory Limited Warranty.
Adapting Plus Series engines to specific applications may require some parts to be transferred from the engines coming out of the boat or purchased separately. Examples include:

- Transfer of flywheel housings, couplers, and other hardware to adapt to various makes of drives and transoms.
- Changing engine couplers to match specific transmissions, or customer preferences.
- Changing engine mounts from front to side, or using solid engine mounts.
- Use of various Quicksilver kits to meet customer preferences or the specified installation requirements found in the Repower Reference Manual included with the engine.

These products are considered spare parts under RCD legislation and can be used for repowering or repair purposes for recreational boating.

3.0L TKS - ENGINE ONLY

3.0L TKS ALPHA – ENGINE ONLY



8M0168484

3.0L TKS Alpha Sterndrive Engine Only. 135 HP @ 4800 RPM. 183 Cubic Inch Fully Dressed Marine Engine. Engine Features: Non-Power Steering. Front Engine Mount. Turn key Start Carburetor with Mechanical Fuel Pump. It is Built with GM Marine Remanufactured Cast Iron Cylinder Heads and Block, 9.3:1 Pistons, and 1.5:1 Rocker Arms. Audio warning horn for overheat, low oil pressure, and low drive lube levels. Remote oil filter standard. It uses EST Analog Ignition, Single-Point Water Drain Using Blue Hoses, and 14-Pin Harness. Runs on 87 Octane Fuel. "For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

135 HP Remanufactured Sterndrive Engine
Replaces 3.0L Alpha sterndrive engines

4.3L ALPHA 4V - ENGINE ONLY

4.3L ALPHA 4V EST - ENGINE ONLY



8M0187349

4.3L Alpha 4V EST Sterndrive Engine Only. 225 HP @ 4600 RPM, 4.3 Liter Fully Dressed Marine Engine. Engine Features: Special Flame Graphics, 600 cfm 4bbl Carburetor, Exclusive High-Torque Aluminum Intake Manifold with Bronze Water Crossover & Pads, Electric Fuel Pump, 2-Piece Wet Joint Exhaust, Nodular Iron Crankshaft, Billet Steel Roller Camshaft, Vortec Cast Iron Cylinder Heads, Stainless Steel Valves, 1.5:1 Roller Rocker Arms, EST Analog Ignition, 10-Pin Harness. Runs on 87 Octane Fuel.

225 HP Remanufactured Engine. Replaces MerCruiser 4.3L & 5.0L sterndrive engines.
"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

350 MPI ALPHA - ENGINE ONLY

350 MPI ALPHA - ENGINE ONLY



8M0188295

350 MPI Alpha Sterndrive Engine Only. 300 HP @ 5000 RPM, 5.7L/350 Cubic Inch Fully Dressed Marine Engine. Engine Features: Special Flame Graphics, Multi-Port Fuel Injection Using Cool Fuel II, Dry Joint Exhaust, Nodular Iron Crankshaft, Roller Camshaft, Vortec Cast Iron Cylinder Heads, Stainless Steel Valves, 9.4:1 Hypereutectic Pistons. It uses ECM 555 with Engine Guardian and is SmartCraft ready, 10-Pin Harness. Runs on 87 Octane Fuel.
NOTE: If used with an Alpha One (GEN I) drive, this engine requires a Seawater pump kit 46-807151A5 (sold separately) for proper cooling.

300 HP Remanufactured Sterndrive Engine. Replaces 5.0L, 5.0L EFI/MPI, 5.7L, 5.7L EFI/MPI and 350 Mag MPI sterndrive engines. "For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

383 MAG STROKER - ENGINE ONLY

383 MAG STROKER



8M0188296

383 MAG Stroker Bravo Sterndrive Engine Only. 350 HP @ 5200 RPM, 383 Cubic Inch Stroker Fully Dressed Marine Engine. Engine Features: Special Flame Graphics, Multi-Port Fuel Injection using Cool Fuel II, Dry Joint Exhaust, 100 PSI Oil Pump, 4340 Forged Steel Crankshaft, High-Lift Billet Steel Camshaft, Vortec Cast Iron Cylinder Heads, Stainless Steel Valves, 9.0:1 Hypereutectic Pistons and 1.6:1 Roller Rocker Arms. It uses ECM555 with Engine Guardian and is SmartCraft ready, 10-pin Harness. Runs on 87 Octane Fuel.

350 HP Remanufactured Sterndrive Engine. Replaces 350 MAG, 6.2L MPI, 7.4L & 7.4L MPI sterndrive engines.
"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

383 MAG STROKER INBOARD



8M0225727

383 Mag Stroker Inboard - Down Angle Engine Only. 350 HP @ 5000 RPM. 383 Cubic Inch Motor Fully Dressed Marine Engine. Engine Features: Special Flame Graphics, Multi-Port Fuel Injection using Gen 3 Cool Fuel, Dry Joint Exhaust, 100 PSI Oil Pump, 4340 Forged Steel Crankshaft, High-Lift Billet Steel Camshaft, Vortec Cast Iron Cylinder Heads, Stainless Steel Valves, 9.0:1 Hypereutectic Pistons, 1.6:1 Roller Rocker Arms, Raw Water Cooling, ECM555, Engine Guardian, SmartCraft Ready, Mechanical Throttle and Shift, Premium Dual-Stage Driveplate, Inboard High-Mount Starter, and 10-Pin Harness. Runs on 87 Octane Fuel.
NOTE: Dealer must change driveplate if used with in-line transmissions.

350 HP Remanufactured Inboard Engine. Replaces all makes of Standard (LH) Rotation 5.7L, 6.0L, & 7.4L inboard engines.
"For Europe, this engine is not allowed for recreational usage, please send your customer service a signed exemption form after order submission - see page n & o"

SERVICE MANUALS FOR PLUS SERIES

Service Manuals for Plus Series Engines

Reman & Quicksilver Engine Models	Covered by MC Service Manual #'s	MerCruiser Service Manual Titles	Supplements	Service Manual #'s	Supplement Manual #'s
3.0L Crate Engines	#26 + #41	4-Cylinder Sterndrive 3.0L Alpha	Turn Key Start (TKS)	90-861329 1	90-866202
3.0L Alpha TKS	#26 + #41	4-Cylinder Sterndrive 3.0L Alpha	Turn Key Start (TKS)	90-861329 1	90-866202
4.3L Alpha 4V Crate Engines	#18	V6 Gen II Balance Shaft Including Gen+ Engines		90-823226 1	
4.3L Alpha 4V	#18	V6 Gen II Balance Shaft Including Gen+ Engines		90-823226 1	
4.5L MPI Alpha & Bravo	4.5L MPI	4.5L 200/250 HP EC and Non-EC		90-8M0178558	
350 Carbureted Crate Engines Alpha & Gen+	#15 + #24	V-8 (for 4bbl) + 305 CID (5.0L) / 350 CID (5.7L)		90-816463 / 90-861327T01	
357 Alpha & Bravo	#15 + #24	V-8 (for 4bbl) + 305 CID (5.0L) / 350 CID (5.7L)		90-816463 / 90-861327T01	
350 MPI Crate Engines	#31 + #36	5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)	ECM 555 Diagnostics	90-864260T00	90-8M0160555
350 MPI Alpha & Bravo	#31 + #36	5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)	ECM 555 Diagnostics	90-864260T00	90-8M0160555
350 & 357 Horizon	#31 + #36	5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)	ECM 555 Diagnostics	90-864260T00	90-8M0160555
350 MPI Tow Sports	#31 + #36 + #40	5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)	ECM 555 Diagnostics + Gen III Cool Fuel	90-864260T00	90-8M0160555 / 90-865376
6.2l MPI Bravo	6.2L MPI	6.2L 300-370 HP Sterndirve, Inboard and TowSport		90-8M0119306	
383 MAG Bravo 4V	#15 + #24 + #24-S	V-8 (for 4bbl) + 305 CID (5.0L) / 350 CID (5.7L) + V8 377cid (6.2L)		90-816463 / 90-861327T01 / 90-861327T01	
383 MPI Bravo	#31 + #36	5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)	ECM 555 Diagnostics	90-864260T00	90-8M0160555
383 MPI Inboard	#31 + #36 + #40	5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)	ECM 555 Diagnostics + Gen III Cool Fuel	90-864260T00	90-8M0160555 / 90-865376
385 PT Bravo	#31 + #36	5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)	ECM 555 Diagnostics	90-864260T00	90-8M0160555
409 MPI	409 MPI	409 MPI		90-8M0199130	
8.1L Horizon Inboard	#30 + #33	8.1L (496cid)	PCM 555 Diagnostics	90-863161T01	8M0154207
496 & 496 H.O. Bravo	#30 + #33	8.1L (496cid)	PCM 555 Diagnostics	90-863161T01	8M0154207
540 Crate Engine	540 MAG Bravo 4V	540 MAG Bravo 4V		90-8M0090434	
540 MAG Bravo 4V	540 MAG Bravo 4V	540 MAG Bravo 4V		90-8M0090434	

ACCESSORY KITS FOR PLUS-SERIES ENGINES

ENGINE COVERS

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.

FLAME ARRESTOR

FLAME ARRESTOR - 3 IN. ELEMENT

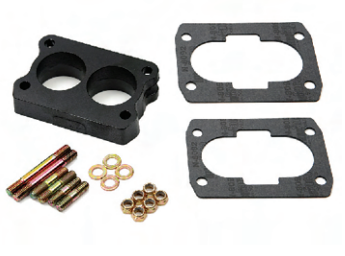


8M0119614

An alternate flame arrester for use with the 540 MAG Bravo 4V. This flame arrestor lower the overall engine height by 1" to allow engine hatch clearance for some applications.

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)

CRANKSHAFT SPACER

SPACER



23-**8M0088395**

For use when servicing with a new harmonic balancer on Gen+ V6 & V8 engines that are not equipped with a Crankshaft Position Sensor (CPS). New harmonic balancers p/n 863397 are all machined with a shorter snout to accommodate a reluctor wheel used with a CPS. This spacer fits onto the crankshaft before the installation of a new harmonic balancer to fill the region normally occupied by a reluctor wheel. This prevents disassembly of a non-CPS engine to install a reluctor wheel when servicing with a new harmonic balancer.

BLOCK PLUGS - DIPSTICK HOLE

BLOCK PLUG



19-**807861**

Dipstick tube hole plug. This plug has a 9.367 mm (.3688 in.) OD with a hex shaped head.

All MCM V6 long blocks that have the oil dipstick tube going to the oil pan drain on the port side have the dipstick tube hole in the cylinder block plugged with this plug

BLOCK PLUG



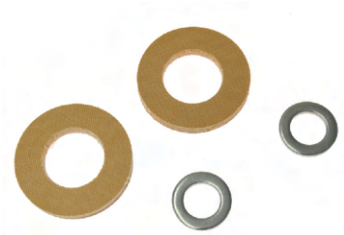
19- **93654**

Dipstick tube hole plug. This plug has a 9.621 mm (.3788 in.) OD with a round head.

All MIE V8 5.7L and 6.2L inboard engines with dual dipstick tubes have the dipstick tube hole in the block plugged with this plug

SHIM KIT - REAR MCM ENGINE MOUNT

SHIM KIT



12-**892619A01**

This shim kit is required for newer transoms that no longer utilized a double-wound spring washer and a fiber washer between the rear engine mounts and do not have enough downward adjustment with the front engine mount pads to achieve proper alignment in the boat. This situation may be encountered when installing an engine for repower, complete engine replacement, or flywheel housing replacement.

Used with newer transoms that no longer utilized a double-wound spring washer and a fiber washer between the rear engine mounts.

ENGINE HEADERS

MARINE EXHAUST HEADER ASSEMBLY - PORT



879288019

Port-Side Custom 316L Ceramic Coated Polished Marine Header Assembly. Production item on 383 Stroker Scorpion Bravo applications shown in photo.

Fits MerCruiser 5.0L, 5.7L, 350, 6.2L, 377, and 383 small block applications.

MARINE EXHAUST HEADER ASSEMBLY - STARBOARD

879288020

Starboard-Side Custom 316L Ceramic Coated Polished Marine Header Assembly. Production item on 383 Stroker Scorpion Bravo applications shown in photo.

Fits MerCruiser 5.0L, 5.7L, 350, 6.2L, 377, and 383 small block applications.

EXHAUST MANIFOLD AND ELBOW KITS

EXHAUST MANIFOLD AND ELBOW CONVERSION KIT



8M0164159

This kit contains all the parts necessary to convert a MCM small block V8 engine with standard cooling and no risers with wet joint exhaust manifold & 4 in. O.D. center rise 7-degree exhaust elbows to dry joint exhaust manifolds and elbows.
Note: Engines with freshwater cooling &/or risers may require additional exhaust elbow gaskets to be ordered separately.

Fits the GM small block (305, 350 & 377 CID) engines with the wet joint or dry joint 4 in. O.D. center rise 7-degree exhaust elbows.
1987-2004 MCM sterndrive engines (s/n 0W309999 and below)
1987-2001 MIE inboard engines (s/n 0M316999 and below)

EXHAUST MANIFOLD AND ELBOW CONVERSION KIT



8M0164160

This kit contains all the parts necessary to convert a MCM small block V6 engine with standard cooling and no risers with the 2 pc wet joint exhaust manifold & 4 in. O.D. center rise 7-degree exhaust elbows to dry joint exhaust manifolds and elbows.
Note: Engines with freshwater cooling &/or risers may require additional exhaust elbow gaskets to be ordered separately.

Fits the 1987-2004 MCM V6 engines with the 2 pc wet joint or dry joint 4 in O.D. center rise 7-degree exhaust elbows (s/n 0W309999 and below)

EXHAUST MANIFOLD AND ELBOW KIT



8M0164161

This kit contains all the parts necessary to replace the dry joint 14-degree exhaust on a MCM small block V8 engine with standard cooling and no risers.
Note: Engines with freshwater cooling &/or risers may require additional exhaust elbow gaskets to be ordered separately.

Fits the following GM small block (305, 350 & 377 CID) engines with dry joint 14-degree exhaust elbows.
2004 & newer MCM sterndrives (non-EC) engines (s/n 0W310000 and above)
2002 & newer MIE inboards (non EC) engines (s/n 0M317000 and above)

EXHAUST MANIFOLD AND ELBOW KIT



8M0164162

This kit contains all the parts necessary to replace the dry joint 14-degree exhaust on a MCM small block V6 engine with standard cooling and no risers.
Note: Engines with freshwater cooling &/or risers may require additional exhaust elbow gaskets to be ordered separately.

Fits the 2004 & newer MCM V6 (non-EC) engines (s/n 0W310000 and above)

EXHAUST RISER KITS

RISER KIT

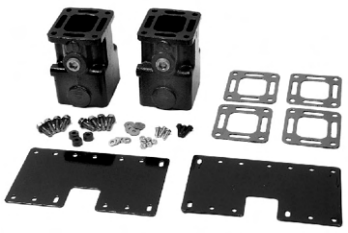


93320A13

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 0M300000-0M316999).

RISER KIT

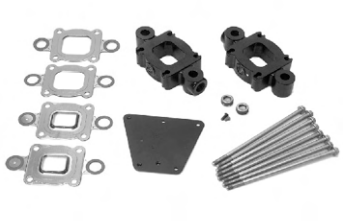


93322A12

6 in. (152 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 0M300000-0M316999).

RISER KIT

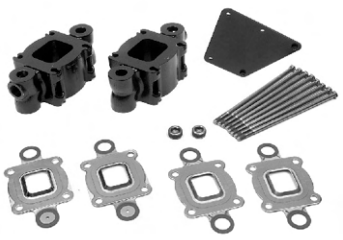


865995A01

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

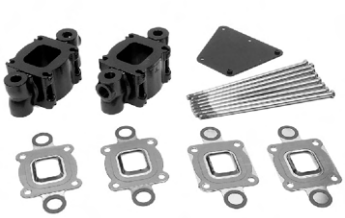


864929A 3

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



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 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



32-865035A 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



32-865041A 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 KIT



8M0153670

2 in. (51 mm) for Emissions Control exhaust, hot dipped and top coated

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



8M0153671

4 in. (102 mm) for Emissions Control exhaust, hot dipped and top coated

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, hot dipped and top coated

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

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

EXHAUST ELBOW/RISER KIT - 6 IN.(152 MM)



98-**8M0124070**

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

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 - 8 IN.(203 MM)



98-**8M0124069**

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

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)

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.

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

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



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.

EXHAUST BULLHORN KIT



8M0115149

Required kit for the MHP 500 Carb and 500 Bulldog engines. Used in conjunction with Exhaust Elbow Kit (849196A 1)

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.

EXHAUST BLOCK-OFF PLATE



861776A 2

Fits 1987 and newer Alpha and Bravo transoms

EXHAUST RISER CHART

Exhaust Riser Kits - Plus-Series Engines

Engine Model	Reman Plus-Series P/N	New Quicksilver P/N	Riser Height	Riser Kit	Intermediate Elbow Kit
MCM 4.3L Alpha 4V	865108R89	NA	3 in. (76 mm)	93320A13	NLA(1)
			6 in. (152 mm)	93322A12	N.L.A.(1)
MCM 4.5L MPI Alpha	NA	40450103U	2 in. (52 mm)	8M0153670	879288A35
			4 in. (102 mm)	8M0153671	879288A36
			6 in. (152 mm)	8M0153486(9)(10)	879288A37
MCM 4.5L MPI Bravo	NA	40450104U	2 in. (52 mm)	8M0153670	879288A35
			4 in. (102 mm)	8M0153671	879288A36
			6 in. (152 mm)	8M0153486(9)(10)	879288A37
MCM 350 Mag MPI Alpha	863611R11	8M0136293	1.7 in.(43 mm)	865995A01	866003A01(1)
			3 in. (76 mm)	864929A 3	866004A01(1)
			4.7 in.(119 mm)	866208A02	866209A01(1)
			6 in. (152 mm)	864908A 1	866005A01(1)
MCM 350 Mag MPI Bravo	NA	8M0136294	1.7 in.(43 mm)	865995A01	866003A01(1)
			3 in. (76 mm)	864929A 3	866003A01(1)
			4.7 in.(119 mm)	866208A02	866003A01(1)
			6 in. (152 mm)	864908A 1	866003A01(1)
MCM 357 Alpha	865108R88	NA	3 in. (76 mm)	93320A13	14801A 1(1)
			6 in. (152 mm)	93322A12	14801A 1(1)
MCM 357 Mag Bravo	865108R85	NA	3 in. (76 mm)	93320A13	14801A 1(1)
			6 in. (152 mm)	93322A12	14801A 1(1)
MIE 350 Horizon (Down-angle)	NA	8M0136296	1.7 in.(43 mm)	865996A01(3)	NA
			3 in. (76 mm)	864929A 4(3)	NA
			4.7 in.(119 mm)	866208A03(4)	NA
			6 in. (152 mm)	864908A 2(4)	NA
MIE 350 Horizon (V-drive)	NA	8M0136297	1.7 in.(43 mm)	865996A01(3)	NA
			3 in. (76 mm)	864929A 4(3)	NA
			4.7 in.(119 mm)	866208A03(5)	NA
			6 in. (152 mm)	864908A 2(5)	NA
6.2L MPI Bravo	NA	4A620082U	2 in. (52 mm)	8M0153670	879288A35
			4 in. (102 mm)	8M0153671	879288A36
			6 in. (152 mm)	8M0153486	879288A37
6.2L MPI Bravo - FWC	NA	4A620083U	2 in. (52 mm)	8M0153670	879288A35
			4 in. (102 mm)	8M0153671	879288A36
			6 in. (152 mm)	8M0153486	879288A37
MCM 383 Mag Bravo 4V	865108R90	NA	1.7 in.(43 mm)	865995A01	866003A01(1)
			3 in. (76 mm)	864929A 3	866004A01(1)
			4.7 in.(119 mm)	866208A02	866209A01(1)
			6 in. (152 mm)	864908A 1	866005A01(1)
MCM 383 MPI Bravo - FWC	8M0109404	8M0136295	1.7 in.(43 mm)	865996A01(3)	866003A01(1)
			3 in. (76 mm)	864929A 4(3)	866004A01(1)
			4.7 in.(119 mm)	866208A03(4)	866209A01(1)
			6 in. (152 mm)	864908A 2(4)	866005A01(1)
MCM 383 Mag Stroker	865108R80	NA	1.7 in.(43 mm)	865995A01	866003A01(1)
			3 in. (76 mm)	864929A 3	866004A01(1)
			4.7 in.(119 mm)	866208A02	866209A01(1)
			6 in. (152 mm)	864908A 1	866005A01(1)
MIE 383 Mag (LH) Std. Rot.	8M0061212	NA	1.7 in.(43 mm)	865995A01(2)	N/A
			3 in. (76 mm)	864929A 3(2)	N/A
			4.7 in.(119 mm)	866208A02(2)	N/A
			6 in. (152 mm)	864908A 1(2)	N/A

Engine Model	Reman Plus-Series P/N	New Quicksilver P/N	Riser Height	Riser Kit	Intermediate Elbow Kit
MIE 383 Mag (RH) Opp. Rot.	8M0061213	NA	1.7 in.(43 mm)	865995A01(2)	N/A
			3 in. (76 mm)	864929A 3(2)	N/A
			4.7 in.(119 mm)	866208A02(2)	N/A
			6 in. (152 mm)	864908A 1(2)	N/A
MIE 383 Mag Stroker	865108R10	NA	1.7 in.(43 mm)	865995A01	N/A
			3 in. (76 mm)	864929A 3	N/A
			4.7 in.(119 mm)	866208A02(6)	N/A
			6 in. (152 mm)	864908A 1(6)	N/A
496 Bravo	NA	8M0139659(7)	2 in. (52 mm)	862974A05	44267A02
			6 in. (152 mm)	98-8M0124068	44267A02
			8 in. (203 mm)	98-8M0124069	44267A02
496 HO Bravo	NA	8M0130014(7)	2 in. (52 mm)	862974A05	44267A02
			6 in. (152 mm)	98-8M0124068	44267A02
			8 in. (203 mm)	98-8M0124069	44267A02
MIE 8.1L Horizon (V-drive)	NA	8M0130012(8)	4 in. (102 mm)	98-8M0124070	N/A
			6 in. (152 mm)	98-8M0124068	N/A
MIE 8.1L Horizon (Down-angle)	NA	8M0130013(8)	4 in. (102 mm)	98-8M0124070	N/A
			6 in. (152 mm)	98-8M0124068	N/A
540 Stroker	8M0085999(7)	NA	2 in. (52 mm)	862974A05	44267A02
			6 in. (152 mm)	98-8M0124068	44267A02
			8 in. (203 mm)	98-8M0124069	44267A02

(1) Intermediate Elbow Kit listed is only required on sterndrive engines that have the exhaust going thru the prop

(2) The Remote Oil Filter Bracket may need to be relocated when installing an Exhaust Riser Kit.

(3) Also requires hose kit 32-865029A1 be ordered separately

(4) Also requires hose kit 32-865039A1 be ordered separately

(5) Also requires hose kit 32-865041A1 be ordered separately

(6) Also requires hose kit 32-865035A1 be ordered separately

(7) Engine is built with standard 0 in. rise elbows

(8) Engine is built with 2 in. (51 mm) rise elbows

(9) Also requires hose kit 8M0096701 for standard cooled engines

(10) Also requires hose kit 8M0089504 for closed cooled engines

REMOTE OIL KIT

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.

HOT WATER HEATER FITTING KITS

HOT WATER FITTING KIT



22-806836A 3

Fits 1992-2016 MCM 3.0L/LX (s/n 0D616823 thru 2A506300)

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.

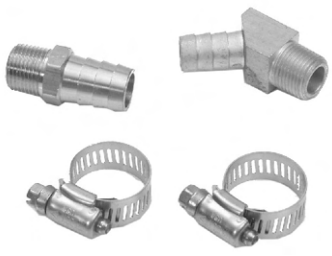
HOT WATER FITTING KIT



22-8M0119308

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



22-806837A 1

Fits MCM 496 Mag & MIE 8.1S engines.

HOT WATER FITTING KIT

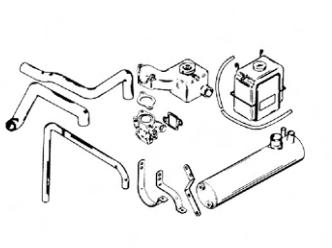


22-8M0045175

Fits MCM/MIE 8.2

CLOSED COOLING KITS

CLOSED COOLING KIT

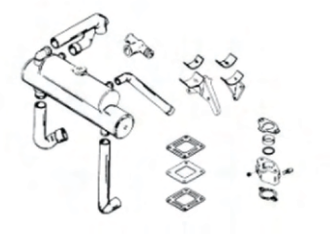


61086A11

Side mounted kit.
This kit fits front mount engines only.

Fits MCM 120, 140, 2.5L & 3.0L/LX (1983-2016)

CLOSED COOLING KIT



860427A 5

Front mounted kit.

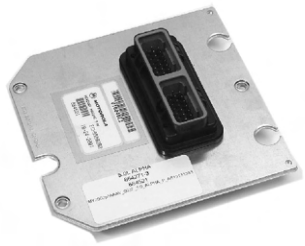
Fits 1997-1999 MCM V-8 (305 & 350 cid) engines (s/n 0K001501-0L618999).
Fits 1997-2001 MIE & Tow Sports V-8 (350 & 377 cid) Gen+ engines (s/n 0K040006-0M299999)
Fits 2001-2002 MIE & Tow Sports V-8 (350 cid) carb engines (s/n 0M300000-0M316999). See application chart.

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 2A506375).
Fits 2002-2015 MIE V-8 (350 cid) MPI engines (s/n 0M317000 thru 2A455523). See application chart.

ECM (ELECTRONIC CONTROL MODULE)



77-865839T03

Fits 2002-2004 MCM 350 Mag MPI Alpha with closed cooling (s/n 0M600000-0W309999).

77-865008T04

Fits 2002-2004 MCM MX 6.2 MPI Bravo with closed cooling (s/n 0M600000-0W029410). Also used on 383 Mag Stroker Plus-Series engine when adding closed cooling.

SERPENTINE BELT KIT



807901A 5

Fits MCM 4.3L Bravo; 5.0L & 5.7L Alpha/Bravo. See application chart for specific engine models.

SEAWATER PUMP KIT



46-807151A 5

Fits MCM V-8 (305 & 350 cid) Alpha engines. 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.

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).

CLOSED COOLING CHART

Closed Cooling Kits - Plus-Series Engines

Engine Model	Plus-Series P/N	Closed Cooling Kit	Belt Kit	Seawater Pump Kit	ECM
MCM 3.0L TKS - Reman	8M0072497	61086A11	N/A	N/A	N/A
MCM 3.0L TKS - QS	8M0116646	61086A11	N/A	N/A	N/A
MCM 4.3L Alpha 4V	865108R89	(3)	N/A	N/A	N/A
MCM 357 Alpha	865108R88	860427A 5	807901A 5	46-807151A 5 (2)	N/A
MCM 357 Mag Bravo	865108R85	860427A 5	807901A 5	N/A	N/A
MCM 350 Mag MPI Alpha - Reman	863611R11	864920A02(5)	N/A	46-8M0139983 (2)	77-865839T03 (1)
MCM 350 Mag MPI Alpha - QS	8M0136293	864920A02(5)	N/A	46-8M0139983 (2)	N/A
MCM 350 Mag MPI Bravo - QS	8M0136294	864920A02(5)	N/A	N/A	N/A
MCM 383 Mag Bravo	865108R90	860427A 5(4)	N/A	N/A	N/A
MCM 383 Mag Stroker - Bravo	865108R80	864920A02(5)	N/A	N/A	77-865008T04 (1)
MCM 383 Mag Stroker - MIE	865108R10	864920A02	N/A	N/A	N/A
MIE 383 Mag (LH) Std. Rotation	8M0061212	860427A 5	N/A	N/A	N/A
MIE 383 Mag (RH) Opp. Rotation	8M0061213	860427A 5	N/A	N/A	N/A

(1) The ECM listed is required to be replaced only on engines below S/N 1G404353. Engines with S/N 1G404354 and up do NOT require replacement of the ECM.

(2) Thru hull water pickup is not included with seawater pump kits. Obtain locally.

(3) Not Available

(4) May need to relocate enigne oil cooler

(5) Bracket 863449T & hose 32-863670 will be required to be ordered separately

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



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.

WATER SEPARATING FUEL FILTERS

WATER SEPARATING FUEL FILTER KIT



35-8M0082291

High capacity water separating fuel filter kit allows for 120 gallons per hour fuel flow. 10-micron fuel filter with over 90% efficiency removes harmful contaminants, particles and power robbing water from your fuel between your tank and the engine. The filter in the kit contains more than 25% more filter media than non-Quicksilver filters. Internal epoxy coating and corrosion resistant external paint for increased weather resistance.

For use with 2-cycle and 4-stroke outboards and both gasoline and diesel stern drive and inboard engines. This kit includes the vessel mount head, without the fittings. It can deliver high fuel volume flow for multiple outboard, stern drive or inboard engine applications. Brass or stainless-steel fuel line fittings sold separately. Check your owner's manual for inspection and replacement schedules.

PLUS SERIES INBOARD TO V-DRIVE CONVERSION CHARTS

383 MPI w/Std. Raw Water Cooling

Model/ Description	Part Number	Quantity
383 MPI w/Std. Raw Water Cooling		
Front Bracket	863646 1	1
Remote Oil Line	32-865056	1
Remote Oil Line	32-865055	1
Remote Filter Bracket	865057T	1
Water Hose	32-864568	1
Water Hose	32-864569	1
Elbow Gasket - Restrictor	27-864850A02	2

383 MPI w/Closed Cooling

Model/ Description	Part Number	Quantity
383 MPI w/Closed Cooling		
Closed Cooling Kit	864920A02	1
Front Bracket	862051T	1
Remote Oil Line	32-865056	1
Remote Oil Line	32-865055	1
Remote Filter Bracket	865057T	1

TRANSOM HARNESS

TRANSOM HARNESS



84-865677T02

Connects engine to transom

10 PIN BOAT HARNESS/INSTRUMENT HARNESS

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.

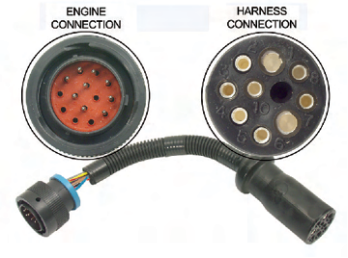
84-812475A25

25 ft.(7.62 m) 10 pin harness

Fits 1986 and newer MCM/MIE gasoline engines.

14-10 PIN HARNESS ADAPTOR

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-NON DTS 10 PIN TO 14 PIN W/SMARTCRAFT CAN DATA



84-8M0153356

Adapter allows connection of 10-pin engine harness to a 14-pin boat harness when using SmartCraft gauges. This adapter includes a 10-pin CAN output to drive SmartCraft gauges using the 14-pin boat harness without having to install a blue CAN data harness. A termination resistor 859318T1 is required, and may be ordered separately. This is required for Quicksilver and Mercury Remanufacturing Plus Series 10-pin engines when installed in boats using SmartCraft gauges that use a 14-pin boat harness.

14-PIN BOAT HARNESSES W/KEY SWITCH

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 the new 3 position water-proof high quality key switch (897716).

2006 and newer Non DTS Outboards from 25 HP to 250 HP- 14 Pin Connectors. All MCM / MIE engines equipped 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 equipped 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 equipped with 14 pin connectors.

ANALOG GAGE ADAPTER HARNESSES

ANALOG GAUGE HARNESS 10PIN JBOX CONNECTION



84-**892990T01**

5 ft. 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 "0R." Used with 84-896537__ harness.

2006 and newer Non DTS Outboards from 25 HP to 250 HP-14 Pin Connectors. All MCM / MIE engines equipped with 14 pin connectors.

84-**892990T10**

10 ft. 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. Used with 84-896537__ harness.

2006 and newer Non DTS Outboards from 25 HP to 250 HP - 14 pin connectors. All MCM/MIE engines equipped with 14 pin connectors.

84-**892990T15**

15 ft. 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. Used with 84-896537__ harness.

2006 and newer Non DTS Outboards from 25 HP to 250 HP-14 Pin Connectors. All MCM / MIE engines equipped with 14 pin connectors.

SMARTCRAFT RIGGING

CAN DATA HARNESS - 10 PIN NON DTS WITH RESISTORS (BLUE)



84-**8M0210758**

Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

20 ft. (6.1 meter) SmartCraft data harness with (2) termination resistors

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.

SMARTCRAFT J-BOX TERMINATOR/RESISTOR



8M0210753

TERMINATOR YELLOW - 10PIN CANP/X

Provides CAN bus termination for CAN P and CAN X network

5-WAY J-BOX KIT W/3 WEATHER CAPS



98-**8M0165557**

5-way J-box kit with 3 weather caps.

3-PIN TANK HARNESS



84-864218

Fits older MCM/MIE mechanical engines that are equipped with a 3-pin tank harness connector.

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.

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.

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.

ACTIVE TRIM - MECHANICAL MERCRUISER - SINGLE ENGINE



8M0111550

This kit is for the single engine installation of current 4.5L and 6.2L MerCruiser Sterndrives only.

ACTIVE TRIM - MECHANICAL MERCRUISER - DUAL ENGINE



8M0111554

This kit is compatible with Dual Engine Mechanical Sterndrives 4.5L and 6.2L 300 & 350HP only

ANALOG GAUGE HARNESS 10PIN JBOX CONNECTION



84-892990T01

5 ft. 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 "0R." Used with 84-896537__ harness.

2006 and newer Non DTS Outboards from 25 HP to 250 HP-14 Pin Connectors. All MCM / MIE engines equipped with 14 pin connectors.

84-892990T10

10 ft. 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. Used with 84-896537__ harness.

2006 and newer Non DTS Outboards from 25 HP to 250 HP - 14 pin connectors. All MCM/MIE engines equipped with 14 pin connectors.

84-892990T15

15 ft. 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. Used with 84-896537__ harness.

2006 and newer Non DTS Outboards from 25 HP to 250 HP-14 Pin Connectors. All MCM / MIE engines equipped with 14 pin connectors.

MERCURY NMEA2000 SMARTCRAFT GATEWAY



98-**8M0165589**

The Mercury NMEA2000 SmartCraft Gateway converts Mercury engine and system data to NMEA2000 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 NMEA2000 "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.

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

POWER TRIM PUMP AND HARNESSES

TRIM PUMP ASSEMBLY



865380A25

Oildyne low pressure/high flow

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

HARNESS CONTROL PUMP ASSEMBLY



84-**865772T02**

24 ft. (4.88 m) harness control pump assembly. This harness connects the remote control 4 pin Molex connector to the newer design 3 pin Packard pump trim pump connector.

MCM/MIE

POWER STEERING KITS

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)

CYLINDER ASSEMBLY



8M0208402

Power steering cylinder assembly

Fits 1994 and newer Alpha One Gen II & Bravo models

CYLINDER ASSEMBLY



8M0208403

Power steering cylinder assembly

Fits 1983 to 1993 R/MR/Alpha One/Gen II & Bravo models

TRANSOM ADAPTER / STERNDRIVE

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

ACCESSORY CHARTS

SternDrive

Engine	PartNum	10-pin Engine to 14-pin Boat Harnesses w/o SmartCraft Adapter harness	10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft Adapter Harness w/CAN Data	10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft Terminator Resistor	10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft Tank Harness	10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft 4-10 pin Pitot Harness	10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft 3-4 pin Pitot Harness	14-pin Engine to 10-Pin Boat Harnesses Adapter harness	Analog Gauge Interface Harnesses
3.0L TKS Alpha	8M0187358							84-866337T01	
4.3L Alpha 4V	8M0187349	84-8M0153356							
4.5L MPI Alpha: non-DTS, non-ECT	4-40450085U							Requires 14-pin boat harness	84-892990T01 84-892990T10 84-892990T15
4.5L MPI Alpha: non-DTS, non-ECT	4-40450073U							Requires 14-pin boat harness	84-892990T01 84-892990T10 84-892990T15
4.5L MPI Bravo: non-DTS, non-ECT	4-40450075U							Requires 14-pin boat harness	84-892990T01 84-892990T10 84-892990T15
357 Alpha	NLA	84-8M0153356							
357 Bravo	NLA	84-8M0153356							
383 4V Bravo	NLA	84-8M0153356							
350 MPI Alpha	8M0188295	84-8M0153356	84-8M0153356	8M0210753	84-864218	84-863931A 1	84-863737T		
350 MPI Alpha	8M0187359	84-8M0153356	84-8M0153356	8M0210753	84-864218	84-863931A 1	84-863737T		
350 MPI Bravo	8M0187360	84-8M0153356	84-8M0153356	8M0210753	84-864218	84-863931A 1	84-863737T		
383 MPI Bravo	8M0187361	84-8M0153356	84-8M0153356	8M0210753	84-864218	84-863931A 1	84-863737T		
496 Bravo	NLA							84-866337T01	
496 HO Bravo	NLA							84-866337T01	
540 Bravo 4V	NLA	84-8M0153356							

Inboard

Engine	PartNum	10-pin Engine to 14-pin Boat Harnesses w/o SmartCraft	10-pin Engine to 14-pin Boat Harnesses w/SmartCraft	10-pin Engine to 14-pin Boat Harnesses w/SmartCraft	10-pin Engine to 14-pin Boat Harnesses w/SmartCraft	10-pin Engine to 14-pin Boat Harnesses w/SmartCraft	10-pin Engine to 14-pin Boat Harnesses w/SmartCraft	14-pin Engine to 10-Pin Boat Harnesses
383 MPI Inboard	8M0225727	84-8M0153356	84-8M0153356	8M0210753	84-864218			
350 MPI Horizon Downangle Inboard	8M0187355	84-8M0153356	84-8M0153356	8M0210753	84-864218			
350 MPI Horizon V-Drive Inboard	8M0187354	84-8M0153356	84-8M0153356	8M0210753	84-864218			
8.1L Horizon Downangle Inboard	NLA							84-866337T01
8.1L Horizon V-Drive Inboard	NLA							84-866337T01
383 MAG Inboard 4V LH	NLA							Included w/engine
383 MAG Inboard 4V RH	NLA							Included w/engine
350 MPI Tow	8M0187366							84-866337T01

REMAN INTERNATIONAL LONGBLOCK ASSEMBLY

As an OEM, Quicksilver has the benefit of engineering resources and the experience to remanufacture, deliver, and support a true marine-based engine for global markets. International Series longblocks are completely remanufactured with components suitable for marine applications used globally. To fully understand the extra value International Series longblocks deliver, please see the detailed Dare to Compare section in this catalog.

International Series longblocks deliver value that saves time and money when considering the total cost of the job. International Series longblock content includes:

- All tin ware – oil pan, valve covers, front cover, and side covers as necessary
- A genuine marine circulating water pump
- New stainless steel marine valves & springs
- New high flow oil pump
- New lifters and camshaft for flat tappet engine types
- Brass core plugs, marine grade gaskets and seals
- New O.S. pistons and rings
- Some models are equipped with 100% new heads – see individual product details
- Factory certified with latest technology computer controlled SIM tester
- Factory hot oil flush after running SIM test
- Engines are shipped without oil due to international safe shipping guidelines
- 1-Year Promotional Limited Warranty on every International Series longblock

Some things not included that will need to be transferred from the previous engine or purchased separately:

- Flywheel
- Harmonic balancer
- Gasket set
- Quicksilver Synthetic Blend 25W-40 4-Stroke Oil

4.3 LITER V-6 LONGBLOCK ASSEMBLY

LONGBLOCK ASSEMBLY



8M0188294

Remanufactured PRO-Series Longblock
GM 6 Cyl., 4.3 Liter Gen+ 262 V6
(Left-Hand Standard Rotation) with remanufactured Vortec cylinder heads.

Replaces 2000-2007 GM 4.3L balance-shaft marine carb or MPI engines with electric fuel pumps, roller rocker-arms and crank position sensor.

NOTE 1: May also require the harmonic balancer p/n 888776T to be ordered separately when replacing carbureted engines w/o the crank position sensor.
NOTE 2: Can be used to repair CARBURETED ONLY 2007-2016 GM 4.3L balance-shaft marine engines with 58X crankshaft
timing wheel, electric fuel pumps, roller rocker-arms, crankshaft position sensor.
NOT FOR USE with MPI models (SN# 1A063240 and up).

8M0188293

Remanufactured Pro Series Longblock
GM 4.3 Liter Gen.+ 262 V/6
(Left-Hand Standard Rotation)with brand new cylinder head assemblies.

Replaces 1996 -1999 GM 4.3L balance-shaft marine engines with electric fuel pumps. If metric fasteners are required for installation, order fastener kit # 56-861937A 1.

LONGBLOCK ASSEMBLY



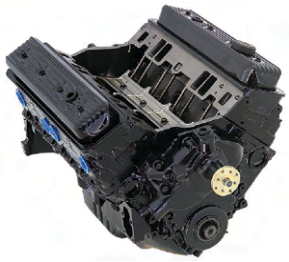
8M0188292

Remanufactured PRO Series Longblock
GM 4.3 Liter Non-Gen.+ 262 V/6
(Left-Hand Standard Rotation) with remanufactured cylinder heads.

Replaces 1993-1996 4.3L balance-shaft marine engines.

5.7 LITER V-8 LONGBLOCK ASSEMBLY

LONGBLOCK ASSEMBLY



807449R60

Remanufactured PRO-Series Longblock
GM 8 Cyl., 5.7 Liter Gen+ 350 V8
(Left-Hand Standard Rotation) with remanufactured Vortec cylinder heads.
This longblock is packaged in a one-way container. No core or container charges apply.

Replaces 1996 and newer Vortec 5.7L Carbureted or Throttle Body Fuel Injected EFI sterndrive and inboard engines. This block is designed to replace Gen+ engines NOT requiring a CPS (Crank Position Sensor) or special MerCruiser camshaft profiles. There are no provisions for a mechanical fuel pump. This engine is interchangeable with 807449R5.

0.040 INCH (1 MM) OVERSIZE PISTON W/ RINGS CHART

.040 in(1 mm) Oversize Pistons w/Rings Cross Reference

Engine Model	Plus-Series P/N	Int'l Plus Series P/N	Pistonsw/rings .040"(1mm) O.S.
3.0L TKS Alpha - Plus Series	8M0072497	8M0072497	700-8M0111066
4.3L Gen + Alpha 4V - Plus Series	865108R89	8M0064803	700-8M0111058
4.3L Gen+ 4V Crate - Plus Series	807736R11	807736R51	700-8M0111058
4.3L Longblock 86-92	14149R 5	14149R50	700-8M0111058
4.3L Longblock 93-96	803647R 5	803647R50	700-8M0111058
4.3L Gen+ Longblock 96-99	807736R 5	807736R50	700-8M0111058
4.3L Gen+ Carb/TBI Longblock 00-07	862757R01	8M0063328	700-8M0111058
4.3L Gen+ MPI Longblock 02-07	864256R05	8M0063328	700-8M0111058
4.3L Gen+ Longblock 07-16	879150R31	879150R31	700-8M0111058
5.0L Longblock	805636R 5	805636R50	700-8M0111064
5.0L Gen+ Longblock	8M0057443	8M0057443	700-8M0111065
350 Alpha Crate - Plus Series	8M0079530	8M0079530	700-8M0111058
350 Gen+ Crate - Plus Series	8M0079531	8M0079531	700-8M0111058
350 Mag MPI Alpha - Plus Series	863661R 5	8M0064799	700-8M0111057
350 Mag MPI Crate - Plus Series 02-04	8M0092946	8M0092946	700-8M0111058
350 Mag MPI Crate - Plus Series 05-15	8M0093550	8M0093550	700-8M0111058
357 Alpha 4V - Plus Series	865108R88	8M0064802	700-8M0111058
357 Bravo 4V - Plus Series	865108R85	8M0064801	700-8M0111058
MIE 357 Horizon (Inline) Bobtail - Plus Series	8M0064805	8M0064805	700-8M0111057
MIE 357 Horizon (V-drive) Bobtail - Plus Series	8M0076188	8M0076188	700-8M0111057
357 Bravo Longblock	807447R03	807447R03	700-8M0111058
5.7L Longblock 87-95	883944R 5	883944R50	700-8M0111058
5.7L Longblock (roller lifter) 91-97	807447R 5	807447R50	700-8M0111058
5.7L Longblock (roller lifter) 91-97, Non-rtn container	807447R60	807447R50	700-8M0111058
5.7L Gen+ Longblock 96 EFI (for use w/mech fuel pump)	860186R 5	860186R 5	700-8M0111058
5.7L Gen+ Longblock 96-15	807449R 5	807449R50	700-8M0111057
5.7L Gen+ MPI Longblock 02-04	863661R 5	N/A	700-8M0111057
5.7L Gen+ MPI Longblock 05-15 (dual knock sensors)	866138R03	N/A	700-8M0111057
5.7L Longblock Volvo GXi, GSi & OSi 99-15	8M0052529	8M0052529	700-8M0111057
6.2L Longblock 99-01	862760R01	862760R01	700-8M0111056
6.2L Longblock 06-09	8M0061211	8M0095941	700-8M0111056
383 Mag Bravo 4V - Plus Series	865108R90	8M0064804	700-8M0111056
383 Mag Stroker Bravo MPI- Plus Series	865108R80	8M0064800	700-8M0111056
383 MPI Bravo FWC - Plus Series	8M0109404	8M0109404	700-8M0111056
MIE 383 Mag 4V (LH) - Plus Series	8M0061212	8M0061212	700-8M0111056
MIE 383 Mag 4V (RH) - Plus Series	8M0061213	8M0061213	700-8M0111056
MIE 383 Mag Stroker MPI - Plus Series	865108R10	865108R10	700-8M0111056
385 Perf Tune - Plus Series	8M0064807	8M0064807	700-8M0111067
383 Mag 4V Longblock, MCM & MIE (LH)	807447R02	807447R02	700-8M0111056
383 Mag Stroker Bravo MPI Longblock	865108R01	865108R01	700-8M0111056
383 Stroker Scorpion Longblock	879147R55	879147R55	700-8M0111056
MIE 383 Mag 4V (RH)	8M0062371	8M0062371	700-8M0111056
7.4L Gen V Longblock 92-96	806351R 5	806351R50	700-8M0111059
7.4L (L29) Longblock 98-02	883281R 5	883281R50	700-8M0111059
496 HO - Plus Series	8M0089472	8M0089472	700-8M0111799(1)(3)
496 HO - Plus Series	8M0089472	8M0089472	700-8M0111800(1)(4)
MIE 8.1L Horizon (Down-angle) Bobtail - Plus Series	8M0088282	8M0088282	700-8M0111799(1)(3)
MIE 8.1L Horizon (Down-angle) Bobtail - Plus Series	8M0088282	8M0088282	700-8M0111800(1)(4)
MIE 8.1L Horizon (V-Drive) Bobtail - Plus Series	8M0088283	8M0088283	700-8M0111799(1)(3)
MIE 8.1L Horizon (V-Drive) Bobtail - Plus Series	8M0088283	8M0088283	700-8M0111800(1)(4)
8.1L Longblock (01-up)	8M0086000	8M0086000	700-8M0111799(1)(3)
8.1L Longblock (01-up)	8m0086000	8M0086000	700-8M0111800(1)(4)
8.1L HO Longblock (01-up)	8M0086001	8M0086001	700-8M0111799(1)(3)
8.1L HO Longblock (01-up)	8M0086001	8M0086001	700-8M0111800(1)(4)
502 Longblock (93-01)	8M0093551	8M0062846	700-8M0111134(2)

(1) Actual O.S. is .060 in (1.52 mm)

(2) Actual O.S. is .064 in (1.62 mm)

(3) Floating Piston

(4) Non-Floating Piston

OVERSIZE BEARINGS AND VALVES CHART

Oversize Bearings & Vavles Cross Reference

Engine Model	P/N	Int'l P/N	Crankshaft Bearings - .030 (.76 mm) O.S.	Connecting Rod Bearings - .030 (.76 mm) O.S.	Intake Valve - O.S.	Exhaust Valve - O.S.
3.0L Longblock	805052R 5	8M0062850	23-8M0123479	23-8M0123485	8M0123495(1)	8M0123505(1)
4.3L Longblock 86-92	14149R 5	14149R50	23-8M0123480	23-8M0123486	8M0123495(1)	8M0136920(1)
4.3L Longblock 93-96	806347R 5	806347R50	23-8M0123480	23-8M0123486	8M0123495(1)	8M0136920(1)
4.3L Gen+ Longblock 96-99	807736R 5	807736R50	23-8M0123480	23-8M0123486	8M0123492(1)	8M0123501(1)
4.3L Gen+ Carb/TBI Longblock 00-07	862757R01	N/A	23-8M0123480	23-8M0123486	8M0123492(1)	8M0123501(1)
4.3L Gen+ MPI Longblock 02-07	864256R05	8M0063328	23-8M0123480	23-8M0123486	8M0123492(1)	8M0123501(1)
4.3L Gen+ MPI Longblock 02-07	8M0057441	8M0063328	23-8M0123480	23-8M0123486	8M0123492(1)	8M0123501(1)
4.3L Gen+ Longblock 07-16	879150R31	N/A	23-8M0123480	23-8M0123486	8M0123492(1)	8M0123501(1)
5.0L Longblock 87-95	805636R 5	805636R50	23-8M0123480	23-8M0123485	8M0123491(1)	8M0123499(1)
5.0L Gen+ Longblock	863660R05	N/A	23-8M0123480	23-8M0123485	8M0136919(1)	8M0123500(1)
5.0L Gen+ Longblock	8M0057443	N/A	23-8M0123480	23-8M0123485	8M0136919(1)	8M0123500(1)
5.7L Longblock 87-95	883944R 5	883944R50	23-8M0123480	23-8M0123485	8M0123492(1)	8M0123500(1)
5.7L Longblock (roller lifter) 91-97	807447R 5	807447R50	23-8M0123480	23-8M0123485	8M0123492(1)	8M0123500(1)
5.7L Longblock (roller lifter) 91-97, Non-rtn container	807447R60	807447R50	23-8M0123480	23-8M0123485	8M0123492(1)	8M0123500(1)
357 Bravo Longblock	807447R03	N/A	23-8M0123480	23-8M0123485	8M0123492(1)	8M0123500(1)
5.7L Gen+ Longblock 96 EFI (for use w/mech fuel pump)	860186R 5	N/A	23-8M0123480	23-8M0123485	8M0123492(1)	8M0123500(1)
5.7L Gen+ Longblock 96-15	807449R 5	807449R50	23-8M0123480	23-8M0123485	8M0123492(1)	8M0123500(1)
5.7L Gen+ MPI Longblock 02-04	863661R 5	N/A	23-8M0123480	23-8M0123485	8M0123492(1)	8M0123500(1)
5.7L Gen+ MPI Longblock 05-15 (dual knock sensors)	866138R03	N/A	23-8M0123480	23-8M0123485	8M0123492(1)	8M0123500(1)
5.7L Longblock Volvo GXi, GSi & OSi 99-15	8M0052529	N/A	23-8M0123480	23-8M0123485	8M0123492(1)	8M0123500(1)
6.2L Longblock 99-01	862760R01	N/A	23-8M0123481	23-8M0123488	8M0123492(1)	8M0123500(1)
6.2L Longblock 06-09	8M0061211	N/A	23-818465(4)	23- 85701(4)	802555(4)	8M0231307(4)
383 Mag 4V Longblock, MCM & MIE (LH)	807447R02	N/A	23-8M0123482(2)	23-8M0123487	8M0123492(1)	8M0123500(1)
MIE 383 Mag 4V (RH)	8M0062371	N/A	23-8M0123482(2)	23-8M0123487	8M0123492(1)	8M0123500(1)
383 Mag Stroker Bravo MPI Longblock	865108R01	N/A	31-849396(4)	849391T(4)	N.L.A.(4)	8M0231307(4)
7.4L Gen V Longblock 92-96	806351R 5	806351R50	23-8M0123483	23-8M0123490	8M0123498(1)	8M0123506(1)
7.4L (L29) Longblock 98-02	883281R 5	883281R50	23-8M0123483	23-8M0123490	8M0123498(1)	8M0123506(1)
8.1L Longblock (01-up)	8M0086000	N/A	23-8M0123484	23-8M0123489	8M0123494(3)	8M0123503(3)
8.1L HO Longblock (01-up)	8M0086001	N/A	23-8M0123484	23-8M0123489	8M0123494(3)	8M0123503(3)
502 Longblock (93-01)	8M0093551	N/A	NLA(4)	23- 85726001(4)	821024T(4)	NLA(4)
502 Longblock (93-01)	8M0113061	N/A	NLA(4)	23- 85726001(4)	821024T(4)	NLA(4)
540 Stroker Longblock	8M0101598	N/A	NLA(4)	23- 85726001(4)	N/A	N/A

(1) .015 in (.38 mm) O.S.

(2) .020 in (.51 mm) O.S.

(3) .030 in (.76 mm) O.S.

(4) Standard size

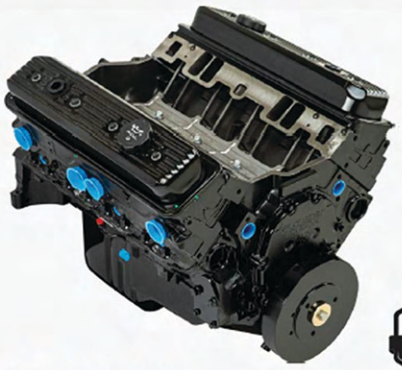
PRO-SERIES LONGBLOCK FEATURES



3.0L Longblock

A rugged 135hp 4-cylinder engine.

Replaces: All 1990 and newer marine and LMX industrial engines not using dedicated MPI heads.



5.7L Longblock

A versatile V8 300hp engine.

Replaces: Most 1987-1995 flat tappet, 1991-1997 roller rocker, 1996-2015 5.7L MerCruiser® Gen+ and Volvo Penta® 5.7 GXi marine engines.



PREMIUM QUICKSILVER CYLINDER HEADS

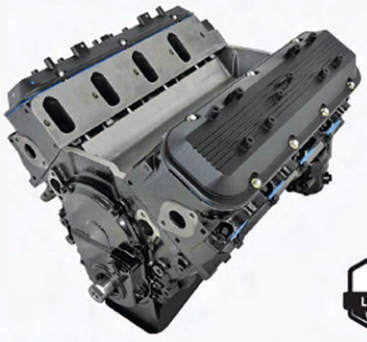
Quicksilver cylinder heads are ideal replacement components for many GM®-style 4-cylinder and V8 engines in marine, circle track racing, RV, truck and industrial applications. With exclusive Black-X valves, these heads are designed to be the most robust, durable and toughest service cylinder heads available.



6.2L Longblock

A torque-rich V8 320hp engine.

Replaces: 2002-2009 and 2009-2015 6.2L MerCruiser engines.



8.1L Longblock

A big-block V8 engine offered at 370hp to 425hp.

Replaces: All marine 8.1L V8 engines.

QUICKSILVER VALUE SERIES LONGBLOCKS

Like the popular Quicksilver Crate Engines, the 100% new Quicksilver Value Series longblocks are not converted automobile units nor remanufactured. Quicksilver Value Series longblocks are built from scratch for Marine applications and some are compatible for industrial duty. Quicksilver tooled and assembled these 100% new engines to keep legacy products fully supported with superior products that are now built better than ever!

Improvements to the original products include:

- 1 Year Limited Warranty
- Black-X Valve Technology
- 21N Intake valve parent material
- 24N Exhaust valve parent material
- Plasma nitride prevents valve sticking & increases toughness
- Chrome-Cobalt alloy seats resist corrosion from alcohol fuels
- Valve life improved 42%
- Hardened valve seat installed in the cylinder heads
- Hardened Intake & Exhaust seat inserts
- Premium alloy seat material
- Heavy duty head and block castings
- Resist corrosion and cracking
- Higher loading capacity
- Ability to use solid engine mounts
- Premium components
- 100% brass core plugs
- High volume oil pump
- Marine valve springs resist fatigue
- Super polished crankshafts using superior material and design features
- 100% Advanced SIM Testing
- Water and oil passages pressure tested 100%
- Phased rotational testing with hot oil validates all oil passages, bearings, and assembly
- Advanced compression testing verifies cylinder sealing and valve lash integrity
- Oil flush at completion of test removes break-in debris
- Shipped without oil to prevent spillage while in transit
- No core & no container deposits

Parts that will need to be transferred or purchased separately:

- Balancer
- Flywheel
- Spark Plugs
- Distributor
- Water pump
- Manifold gasket set
- Quicksilver Synthetic Blend 25W40 4-Stroke Oil

LONGBLOCK ASSEMBLY



8M0187364

Quicksilver Value Series Longblock
4 Cylinder 3.0 Liter, 181 Inline-4
(Left-Hand Standard Rotation) 100% New Content
Quicksilver Engine features: cast iron block, large fillet radii crankshaft, Tri-metal bearings, 9.3:1 hypereutectic pistons, and 1.5:1 rocker arms. Quicksilver cylinder head feature: hardened seats, screw in studs, Black-X valves & an exclusive Quicksilver combustion chamber allowing 4 deg BTDC base timing. Content includes harmonic balancer, oil pan, & valve cover. Compatible with front or side engine mounts. Pilot bore machined into crankshaft to accept dealer installed Volvo couplers. No provision for cylinder head mounted fuel injectors.

Quicksilver 3.0L Alpha
135 HP 100% New Quicksilver Marine & Industrial LMX Engine
Replaces all makes of 1990 & up marine & LMX industrial engines not using dedicated MPI heads. Applications include:
1990-1997 3.0L LX engines (SN 0C856599 – 0K999999)
1998 & up 3.0L carbureted & MC 3.0 MPI (0L010042 & up)

LONGBLOCK ASSEMBLY



8M0187365

Quicksilver Value Series Longblock
8 Cylinder, 5.7 Liter, 350 V-8
(Left-Hand Standard Rotation) 100% New Content
Replaces all makes of 1996-2015 5.7L Gen+ marine engines using an 8-bolt intake manifold with standard marine camshaft for 4600-5000 RPM range. Does not include provisions for a mechanical fuel pump.
Engine features: Cast iron block, nodular iron crankshaft, single-piece rear main seal, roller camshaft, marine oil pan, high flow oil pump, harmonic balancer and CPS included. Quicksilver cast iron cylinder heads include: hardened seats, screw in studs, & Black-X valves.

300 HP 100% New Quicksilver Marine Engine
Applications include:
1996-2015 5.7L Gen+ Carbureted or Throttle Body Fuel Injected EFI sterndrive and inboard engines
2001-2004 MCM 350 Mag MPI engines (SN 0M300000 - 0W309999)
2001-2004 MIE 350 Mag MPI engines (SN 0M300000 - 0W389999)

8M0187366

Quicksilver Value Series Longblock
8 Cylinder, 5.7 Liter, 350 V-8
(Left-Hand Standard Rotation) 100% New Content
Replaces all makes of 2005-2015 5.7L Gen+ marine engines using an 8-bolt intake manifold with high torque marine camshaft for 4800-5200 RPM range. Does not include provisions for a mechanical fuel pump.
Engine features: Cast iron block, nodular iron crankshaft, single-piece rear main seal, roller camshaft, marine oil pan, high flow oil pump, harmonic balancer and CPS included. Quicksilver cast iron cylinder heads include: hardened seats, screw in studs, & Black-X valves.
300 HP 100% New Quicksilver Marine Engine

Applications include:
2005-2015 MCM/MIE 350 Mag & 5.7L MPI engines (SN 0W310000 & up)
Quicksilver 350 MPI Alpha, Bravo, Inboard, & Tow
Volvo 5.7Gi-300-J EFI model

8M0187367

Quicksilver Value Series Longblock
8 Cylinder, 6.2 Liter, 377 V-8
(Left-Hand Standard Rotation) 100% New Content
Replaces 2009-2015 6.2L MerCruiser engines with and without ECT.
Engine features: Cast iron block, 4340 forged steel crankshaft, single-piece rear main seal, roller camshaft, marine oil pan, high flow oil pump, harmonic balancer and CPS included. CNC ported Quicksilver cast iron cylinder heads include: High flow Black-X valves.

320 HP 100% New Quicksilver Marine Engine
Applications include:
2009-2015 MCM 6.2L MPI engines (SN 1A091826 & up)
2009-2015 MIE 6.2L MPI engines (SN 1A091826 & up)

LONGBLOCK ASSEMBLY



8M0187371

GM 5.7 Liter Non-Gen + 350 V8
Left-Hand / Standard Rotation

Replaces 1991-1997 Sterndrive or Inboard 5.7L roller-lifter marine engines

LONGBLOCK ASSEMBLY



8M0187375

GM 5.8L Gen+ 357 V8
Left-Hand / Standard Rotation

Replaces 2009-2010 357 Alpha Repower engines

8M0187372

GM 6.3 Liter Gen+ 383 V8
Left-Hand / Standard Rotation

Replaces 2008 and later 383 MPI Repower engines.

8M0187368

GM 6.2 Liter Gen+ 377 V8
Left-Hand / Standard Rotation

Replaces 2002-2009 MerCruiser 6.2L MPI Multi=Port Fuel Injected sterndrive and inboard marine engines w/o ECT. This block has provisions for a CPS (Crank Position Sensor). There are no provisions for a mechanical fuel pump. It uses a proprietary 6.2L MerCruiser roller camshaft profile used during the years listed (S/N 0M300000-1A353300)

GM 5.8 LITER GEN+ 357 V8 LEFT HAND / STANDARD ROTATION

8M0187376

Replaces 2010-2020 357 Bravo Repower engines.

LONGBLOCK ASSEMBLY



8M0187378

Quicksilver Value Series Longblock
8 Cylinder 8.1 Liter, 496 High Output V-8
(Left-Hand Standard Rotation) 100% New Content
Replaces 2001 & up 496 Mag H.O. & 8.1L H.O. MerCruiser, Mercury Remanufacturing, & Quicksilver High Output engines. Also this service block can be used with other makes.
Engine Features: Heavy Duty Iron Block with Splayed 4-bolt Main Bearing Caps, Priority Main Oiling System, 8.6:1 Hypereutectic Pistons, Roller Camshaft, 1.7:1 Rocker Arms, Forged Steel Crankshaft, and billet oil adapter. Quicksilver Iron Cylinder Heads feature Black-X Valve Technology, hardened seats, and shot peened marine valve springs.

420 & 425 HP 100% New Quicksilver Marine Engine

MERCRUISER *NEW* GASOLINE LONGBLOCKS

These new MerCruiser longblocks include engine gaskets and have a standard P&A 1 year limited warranty.

LONGBLOCK ASSEMBLY

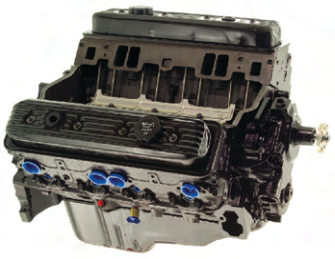


8M0114790

Brand *NEW* Longblock
Mercury 6 Cyl., 4.5 Liter 275 V6

Replaces 2014 and newer 4.5L engines (s/n 2A441953 and up)

LONGBLOCK ASSEMBLY



800-**866138A05**

Brand *NEW* Longblock
GM 8 Cyl., 5.7 Liter Gen+ 350 V-8

Replaces 2008-2015 Scorpion 350 EC Tow Sports engines (s/n 0W698433 and up)

LONGBLOCK ASSEMBLY



8M0125139

Brand *NEW* Longblock
Mercury 8 Cyl., 6.2 Liter 377 V8

Replaces 2015-2016 6.2L engines (s/n 2A456613-2A530775)

8M0114814

Brand *NEW* Longblock
Mercury 8 Cyl., 6.2 Liter 377 V8

Replaces 2016 & newer 6.2L engines (s/n 2A530776 and newer)

LONGBLOCK ASSEMBLY



8M0157869

Brand *NEW* Longblock
Mercury 8 Cyl., 8.2 Liter 502 V8 GEN-VI Block

Replaces 2010 & newer MCM/MIE 8.2L engines

MERCRUISER *NEW* CYLINDER HEADS

4.5L CYLINDER HEAD ASSEMBLY



900-**8M0116266**

Brand *NEW* complete cylinder head. Includes valves, springs caps, seals, etc.
Fits Mercury 4.5L MPI engines

6.2L CYLINDER HEAD ASSEMBLY



900-**8M0107023**

Brand *NEW* complete cylinder head. Includes valves, springs caps, seals, etc.
Fits Mercury 6.2L MPI engines (s/n 2A456613 and above)

8.2L CYLINDER HEAD ASSEMBLY



900-**8M0046344**

Brand *NEW* complete cylinder head. Includes valves, springs caps, seals, etc.
Fits Mercury 8.2L MPI engines (s/n 1A350340 and above)

NEW QUICKSILVER CYLINDER HEADS

Quicksilver now offers a wide variety of new cast iron cylinder head assemblies built for maximum durability in extreme applications. These extreme applications include: marine, circle track racing, RV, truck, and industrial applications.

All assemblies feature hardened seats on the intake and exhaust ports. Exclusive to Quicksilver are Black-X Composite valves that are stainless steel valves with seats treated with a cobalt-chromium alloy and black plasma nitriding. This composition provides extreme durability when using gasoline and compatibility with alcohol and alternative fuels.

NEW QUICKSILVER INLINE 4-CYLINDER HEADS

3.0L CYLINDER HEAD ASSEMBLY



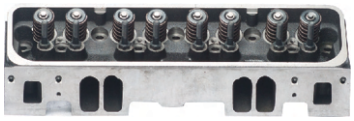
8M0188300

All new Quicksilver cast iron cylinder head, hardened valve seats press fit into the cylinder head with stainless steel valves featuring seats treated with a cobalt-chromium alloy for extreme durability. This cylinder head features screw-in rocker studs. Smaller ports are updated to the latest design to deliver more power. No provision for in port fuel injector for non-MerCruiser applications.

1990-2016 MCM 3.0L, 3.0LX, & 3.0L MPI
3.0L Industrial

NEW QUICKSILVER SMALL BLOCK V8-CYLINDER HEADS

5.7L/6.2L CYLINDER HEAD ASSEMBLY

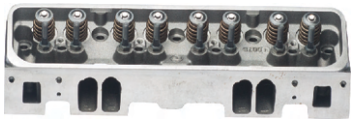


8M0188302

All new Quicksilver cast iron cylinder head, hardened valve seats press fit into the cylinder head with stainless steel valves featuring seats treated with a cobalt-chromium alloy for extreme durability. This fits 5.7L & 6.2L engines with an 8-bolt intake manifold. This cylinder head features screw-in rocker studs.

1996-2016 MCM/MIE 5.7L using Gen+ heads
2000-2008 MCM/MIE 6.2L using Gen+ heads
350 Alpha Quicksilver Crate Engines - Carb & MPI
357 Horizon MIE Plus Series Engines
357 Alpha & 383 MPI Plus Series engines
1996-2002 5.7L L31 Gen 1e RV, automotive & truck
1996-2016 5.7L L31 Gen 1e industrial

383 CYLINDER HEAD ASSEMBLY



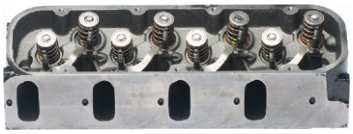
938-**8M0115139**

All new Quicksilver cast iron cylinder head, hardened valve seats press fit into the cylinder head with Black-X valves. Beehive springs for use over 6000 RPM. These are for 8-bolt intake manifold pattern. This cylinder head features screw in rocker studs.

383 4V MCM/MIE Plus Series, 357 & 383 CT w/iron heads

NEW QUICKSILVER BIG BLOCK V-8 CYLINDER HEADS

8.1L CYLINDER HEAD ASSEMBLY - STARBOARD/ RIGHT/AUTO PASSENGER SIDE

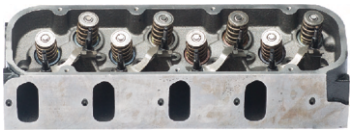


8M0188297

All new Quicksilver cast iron cylinder head, hardened valve seats press fit into the cylinder head with stainless steel valves featuring seats treated with a cobalt-chromium alloy for extreme durability. This cylinder head features original design ports for marine, automotive, RV, and most industrial applications.

2000-2009 MCM 496 & 496 HO
2000-2009 MIE 8.1S Horizon & 8.1S HO
496 HO MPI Plus Series
8.1L Horizon Plus Series
8.1L (L18) RV, truck & industrial applications

8.1L CYLINDER HEAD ASSEMBLY - PORT/LEFT/AUTO DRIVERS SIDE



8M0188298

All new Quicksilver cast iron cylinder head, hardened valve seats press fit into the cylinder head with stainless steel valves featuring seats treated with a cobalt-chromium alloy for extreme durability. This cylinder head features original design ports for marine, automotive, RV, and most industrial applications.

2000-2009 MCM 496 & 496 HO
2000-2009 MIE 8.1S Horizon & 8.1S HO
496 HO MPI Plus Series
8.1L Horizon Plus Series
8.1L (L18) RV, truck & industrial applications

QUICKSILVER CYLINDER HEAD AND BLACK-X COMPOSITE VALVE CHART

This chart shows which Quicksilver cylinder heads can be used to service various engines, and the Black-X Composite Valve part numbers used in the Quicksilver heads. Please Note: Not all engines were originally equipped with the Black-X Composite Valves, but they add durability & resist valve erosion from ethanol fuels in any application.

Quicksilver Cylinder Heads and Black-X Composite Valves Cross Reference

Engine Model	Black-X Valves Equipped	Year Range	Cyl Head P/N	Black-X Composite Intake Valve - Std.	Black-X Composite Exhaust Valve - Std.
2.5L		1963 - 1989	NLA	8M0146074	8M0146075
3.0L		1968 - 1989	NLA	8M0146074	8M0146075
3.0L/LX		1990 - 2016	8M0188300	8M0146074	8M0146075
Reman 3.0L TKS Plus Series		2012 - 2026	8M0188300	8M0146074	8M0146075
Quicksilver 3.0L -110 Crate Engine	Yes(3)	2016 - 2026	NLA	8M0146074	8M0146075
Quicksilver 3.0L -130 Crate Engine		2016 - 2026	8M0188300	8M0146074	8M0146075
Quicksilver 3.0L TKS Alpha	Yes(4)	2016 - 2026	8M0188300	8M0146074	8M0146075
4.3L		2000 - 2015	NLA	8M0146076	8M0146077
Reman 4.3L Plus Series		2009 - 2026	NLA	8M0146076	8M0146077
Quicksilver & Reman 4.3L Crate Engines		2002 - 2026	NLA	8M0146076	8M0146077
5.7L (Gen+)		1996 - 2015	8M0188302	8M0146076	8M0146077
Reman 350 MPI Alpha Plus Series		2009 - 2026	8M0188302	8M0146076	8M0146077
Reman 357 Alpha Plus Series		2008 - 2026	8M0188302	8M0146076	8M0146077
Reman 357 Mag Bravo Plus Series		2008 - 2026	NLA	8M0146076	8M0146077
Reman 357 Horizon Plus Series		2012 - 2026	8M0188302	8M0146076	8M0146077
Quicksilver 350 Alpha Carb & MPI Crates Engines	Yes(5)	2008 - 2026	NLA	8M0146076	8M0146077
Quicksilver 350 MPI Alpha	Yes(3)	2018 - 2026	NLA	8M0146076	8M0146077
Quicksilver 350 MPI Bravo	Yes(3)	2018 - 2026	NLA	8M0146076	8M0146077
Quicksilver 350 MPI Horizon	Yes(3)	2018 - 2026	NLA	8M0146076	8M0146077
Quiclsilver 350 MPI Tow Sport	Yes(3)	2015 - 2026	NLA	8M0146076	8M0146077
6.2L (Gen+)		1999 - 2009	NLA	8M0146076	8M0146077
Reman 383 MPI Stroker Bravo Plus Series		2008 - 2026	8M0188302	8M0146076	8M0146077
Reman 383 MPI Stroker Inboard Plus Series		2008 - 2026	8M0188302	8M0146076	8M0146077
Reman 383 MPI Stroker Bravo FWC Plus Series		2015 - 2026	NLA	8M0146076	8M0146077
Reman 383 Mag Bravo Plus Series		2010 - 2026	938-8M0115139	8M0146076	8M0146077
Reman 383 Mag Inboard Plus Series		2011 - 2026	938-8M0115139	8M0146076	8M0146077
Quicksilver 383 MPI Bravo FWC	Yes(3)	2018 - 2026	NLA	8M0146076	8M0146077
454 Mag (Gen V & VI)		1992 - 2001	N.L.A.	8M0146078	8M0146079
496 Mag & HO		2000 - 2011	8M0188297(1)	8M0146080	8M0146108
496 Mag & HO		2000 - 2011	8M0188298(2)	8M0146080	8M0146108
Reman 496 HO Bravo Plus Series		2014 - 2017	8M0188297(1)	8M0146080	8M0146108
Reman 496 HO Bravo Plus Series		2014 - 2017	8M0188298(2)	8M0146080	8M0146108
Quicksilver 496 & 496 HO Bravo	Yes(3)	2018 - 2026	8M0188297(1)	8M0146080	8M0146108
Quicksilver 496 & 496 HO Bravo	Yes(3)	2018 - 2026	8M0188298(2)	8M0146080	8M0146108
8.1S Horizon & HO MIE		2000 - 2011	8M0188297(1)	8M0146080	8M0146108
8.1S Horizon & HO MIE		2000 - 2011	8M0188298(2)	8M0146080	8M0146108
Reman 8.1L Horizon Inboard Plus Series		2011 - 2017	8M0188297(1)	8M0146080	8M0146108
Reman 8.1L Horizon Inboard Plus Series		2011 - 2017	8M0188298(2)	8M0146080	8M0146108
Quicksilver 8.1L Horizon Inboard	Yes(3)	2018 - 2026	8M0188297(1)	8M0146080	8M0146108
Quicksilver 8.1L Horizon Inboard	Yes(3)	2018 - 2026	8M0188298(2)	8M0146080	8M0146108
502 Mag (Gen V & VI)		1992 - 2001	N.L.A.	8M0146078	8M0146079

(1) Starboard head

(2) Port head

(3) Black-X Composite Valve is original equipment.

(4) Black-X Composite Valve is original equipment on SN 1G700000 & up.

(5) Black-X Composite Valve was introduced as running change in 2016

MERCRUISER "NEW" DIESEL LONGBLOCKS

These new MerCruiser longblocks have a standard P&A 1 year limited warranty. They do NOT include engine gasket sets.

LONGBLOCK ASSEMBLY

8M0233448

Brand *NEW* LongblockVM Inline-4 Cylinder, 2.0L115/130/150/170

Services 2007 & Newer QSD-2.0L 115/130/150/170, Tier 2 engines (s/n 88200000 & up)
Services 2014 & Newer Mercury 2.0L 115/130/150/170, Tier 3 Engines (s/n 70000000 & up)

896332253

Brand *NEW* Longblock
VM Inline-4 Cylinder, 2.8L 170/200

Services 2004 & Newer CMD 2.8L 170/200 Engines (s/n 88005200 & up)

879150102

Brand *NEW* Longblock
VM Inline-4 Cylinder, 2.8L 170/210/220/230

Services 2007 & Newer QSD-2.8L 170/210/220/230, Tier 2 Engines (s/n 88300000 & up)

8M0170700

Brand *NEW* Longblock
VM V6 Cylinder, 3.0L 150, 230 & 270

Services 2018 and newer Mercury Diesel 3.0L V6 -150, 230 & 270 Engines

898272020

Brand *NEW* Longblock
VM Inline-6 Cylinder, 4.2L Mechanical Injection 200/230

Services 1997-2009 MerCruiser/CMD 4.2L 200/230 Engines

879150153

Brand *NEW* Longblock
VM Inline-6 Cylinder, 4.2L Digital Injection 250/270/300/320

Services 1997-2009 MerCruiser/CMD 250/270/300/320 Engines

879150103

Brand *NEW* Longblock
VM Inline-6 Cylinder, 4.2L 270/320/350

Services 2007 & Newer Mercury/QSD-4.2L 270/320/350, Tier 2 Engines (s/n 88400000 & up)

8M0066850

Brand *NEW* Longblock
VW Inline-4 Cylinder, 1.9L 40/50/60/75

Services Mercury 1.9L TDI 40/50/60/75, Tier 2 Engines

SHORTBLOCK ASSEMBLY

8M0112307

Brand "NEW" Partial Engine w/o Cyl heads
Fiat Inline-6 Cylinder, 6.7L

Services 2016 & Newer MerCruiser 135 & 150 NA Engines

8M0112308

Brand "NEW" Partial Engine w/o Cyl heads
Fiat Inline-6 Cylinder, 6.7L

Services 2016 & Newer MerCruiser 180/230/260/280 TCA and 200 TC Engines

INTAKE AND EXHAUST GASKET CROSS REFERENCE CHART

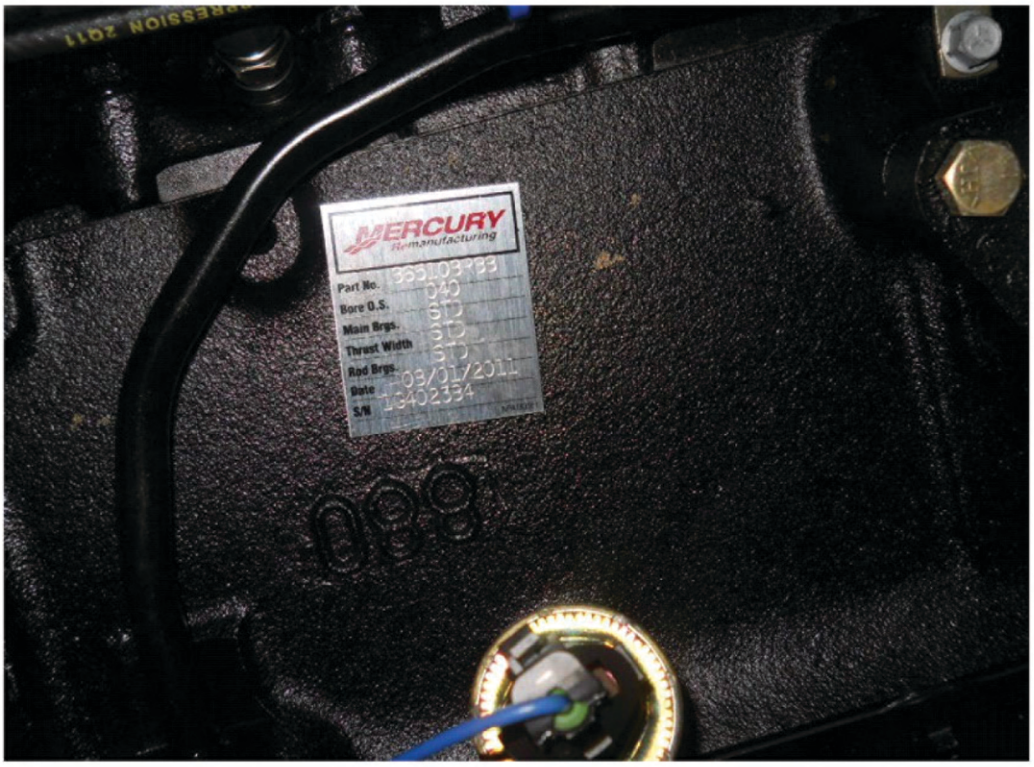
Intake and Exhaust Gasket Cross Reference

Engine Applications	Description		
MerCruiser 3.0 Liter 4 - Cylinder		Intake Gasket #	Exhaust Gasket #
N/A	GM 4 cyl., 3.0L - 181 cid 1990-1994 L-series	27- 96429	N/A
NLA	GM 4 cyl., 3.0 L - 181 cid 1990-1995 LX-series	27-815528	N/A
N/A	GM 4 cyl., 3.0L - 181 cid 1996 & newer LX-series	27-815528	N/A
MerCruiser 3.7 Liter 4 - Cylinder		Intake Gasket #	Exhaust Gasket #
N.L.A.	Mercury 4 cyl., 3.7L - 224 cid 1976-1989	27- 70905	27- 68715
MerCruiser 4.3 Liter V-6		Intake Gasket #	Exhaust Gasket #
NLA	GM V-6, 4.3L - 262 cid 1986-1992	N.L.A.	27-8M0215011
8M0188292	GM V-6, 4.3L - 262 cid 1993-1996	N.L.A.	27-8M0215011
8M0188293	GM V-6, 4.3L - 262 cid (Gen +) 1996-99	27-824326002	27-8M0215011
N/A	GM V-6, 4.3L - 262 cid (Gen +) (w/o CPS) 2000-up	27-824326002	27-8M0215011
8M0188294	GM V-6, 4.3L - 262 cid (Gen +) (with CPS) 2002-up	27-824326002	27-8M0215011
MerCruiser 5.0 Liter V-8		Intake Gasket #	Exhaust Gasket #
NLA	GM V-8, 5.0L - 305 cid 1987-1995	27- 17145	27- 33395
N.L.A.	GM V-8, 5.0L - 305 cid (Gen +) 1998 & newer	27- 17145	27- 33395
N/A	GM V-8, 5.0L - 305 cid (Gen +) 2002 & newer	807473A 1	33395
MerCruiser 5.7 Liter V-8		Intake Gasket #	Exhaust Gasket #
NLA	GM V-8, 5.7L - 350 cid (RH) 1987-1995	27- 17145	27- 33395
N.L.A.	GM V-8, 5.7L - 350 cid (LH) (2-pc RM seal) 1987-95	27- 17145	27- 33395
8M0187371	GM V-8, 5.7L - 350 cid 1992-95	27- 17145	27- 33395
8M0187365	GM V-8, 5.7-L 350 cid (Gen +) (with CPS) 1996-up	27-807473A 1	27- 33395
N.L.A.	GM V-8, 5.7-L 350 cid (Gen +) 1996	27-807473A 1	27- 33395
N/A	GM V-8, 5.7-L 350 cid (Gen +) 2002-2004	27-807473A 1	27- 33395
NLA	GM V-8, 5.7L - 350 cid 1987-95	27- 17145	27- 33395
MerCruiser 6.2 Liter V-8		Intake Gasket #	Exhaust Gasket #
N.L.A.	GM V-8, 6.2-L 377 cid (Gen+) 2000-01 w/o CPS	27-807473A 1	27- 33395
N/A	GM V-8, 6.2-L 377 cid (Gen+) 2002-up with CPS	27-807473A 1	27- 33395

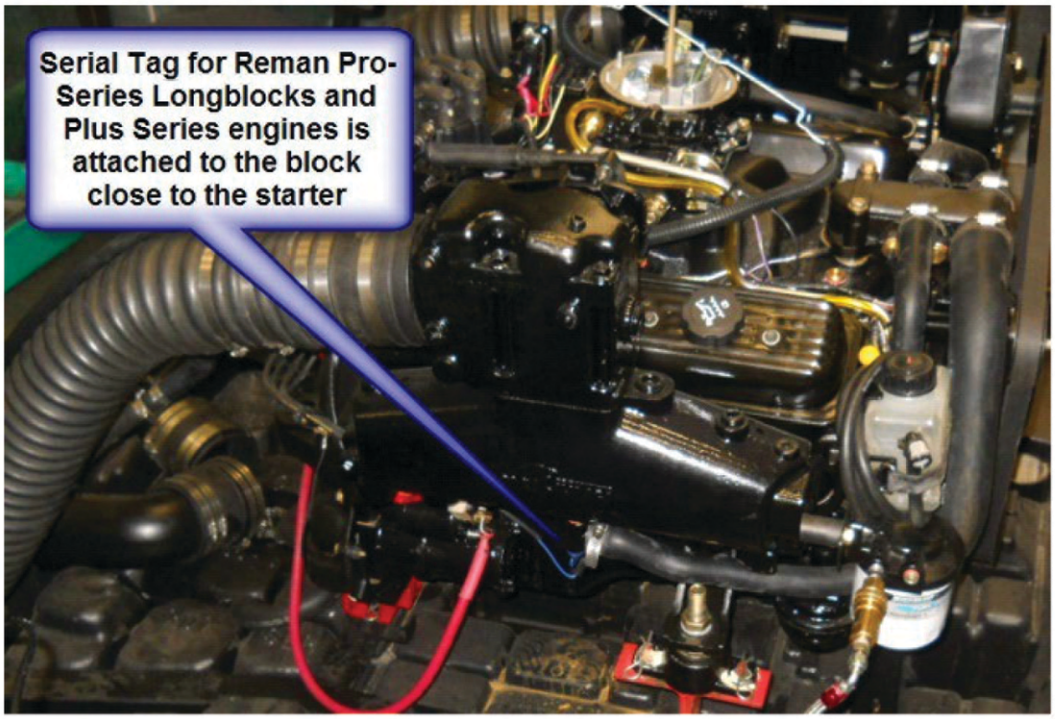
Engine Applications	Description		
MerCruiser 7.4 Liter V-8		Intake Gasket #	Exhaust Gasket #
N.L.A.	GM V-8, 454 cid (Mark IV) 1977-1992	27-8M0050224	27- 46820
NLA	GM V-8, 454 cid (Gen V) 1992-1996	27-8M0050225	27- 46820
N.L.A.	GM V-8, 454 cid (Gen V) MAG 1992-1996	27-8M0073380	27- 46820
N.L.A.	GM V-8, 454 cid (Gen VI) 1996-1997	27-8M0050225	27- 46820
N.L.A.	GM V-8, 454 cid (Gen VI) MAG 1996 and newer	27-8M0073380	27- 46820
N.L.A.	GM V-8, 454 cid (Mark IV) (RH - Opp. Rot.) 1977-92	27-8M0050224	27- 46820
NLA	GM V-8, 454 cid (L29) 1998 and newer	27-803184	27- 46820
MerCruiser 8.1 Liter V-8		Intake Gasket #	Exhaust Gasket #
NLA	GM V-8, 8.1-L 496 cid 2001and newer	27-881633T01	27- 46820
8M0187378	GM V-8, 8.1-L 496 cid H.O.(High-Output) 2001-up	27-881633T01	27- 46820
MerCruiser 8.2 Liter V-8		Intake Gasket #	Exhaust Gasket #
NLA	GM V-8, 502 cid (Gen V) carb 1992-1996	27-8M0073380	27- 46820
NLA	GM V-8, 502 cid (Gen V) MPI 1992-1996	27-805403A 1	27- 46820
NLA	GM V-8, 502 cid (Gen VI) 1996 and newer	27-805403A 1	27- 46820

SERIAL TAG LOCATION - LONGBLOCK

Example Image of Tag



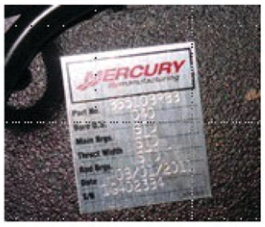
Reman Serial Tag Location



Different Brand Logos Used

Mercury Remanufacturing

- Remanufactured Plus Series Engines
- Verado Powerheads



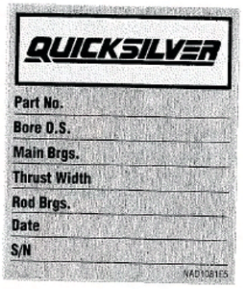
Quicksilver Remanufacturing

- Remanufactured Pro-Series Longblocks
- Remanufactured Racing-Series Longblocks
- Remanufactured Crate Engines



Quicksilver

- New 350 Crate Engines



ENGINE IDENTIFICATION SHEET

4.3L ENGINE IDENTIFICATION

MERCURY Remanufacturing



"Identification Tips" for MerCruiser 4.3L Longblocks

1986 – 1992 14149R5

Non-balance shaft, with a mechanical fuel pump, a roller camshaft, and one piece rear seal.

A. Easily identified by metal 10 bolt short front cover similar to 5.7L.
B. Some non-balance shaft engines were produced without a manual fuel pump. This engine will fit either application with a fuel pump cover if manual fuel pump is not needed.
C. All 12 intake manifold bolts are at 90 degree angle to cylinder head machined surface.

1993– 1995 806347R5

Balance shaft, no mechanical fuel pump, roller camshaft one piece rear seal.

A. Easily identified by tall metal 10 bolt front cover different from 5.7L.
B. All 12 intake manifold bolts are at 90 degree angle to cylinder head machined surface.

1996– 1998 807736R5

Balance shaft, no mechanical fuel pump, roller camshaft, one piece rear seal, "Vortec" cylinder heads with rocker ball & stud valve train.

A. "Vortec" heads are easily identified. Only 2 bolts per corner on intake manifold. (8-total).
B. The older crankshafts rear-flange are **0.123" longer**, and have a small pilot bushing hole on the back side.
C. Plastic 6 bolt front cover.

1999– 2002 864256R05 (MPI) or 862757R01 (Carb/TBI)

Balance shaft, no mechanical fuel pump, roller camshaft, one piece rear seal, "Vortec" cylinder heads with roller rocker arm valve train.

A. "Vortec" heads are easily identified. Only 2 bolts per corner of intake manifold. (8-total).
B. The cylinder head actually went to the "roller rocker arm" in 2000. Mercury Remanufacturing has elected to change coverage to coincide with the 1998/1999 crankshaft change as the customer would have to change flywheels to coincide with the crankshaft used. The 1999 customers will actually get a product improvement with the roller rocker arms and will not have to make any changes to their current parts.
C. The crankshaft has a **0.123" shorter** rear flange and larger pilot bushing than previous versions.
D. Plastic 6 bolt front cover.

5.0 / 5.7L ENGINE IDENTIFICATION

MERCURY Remanufacturing



"Identification Tips" for MerCruiser 5.0L & 5.7L Longblocks

Over the years there have been several changes to the GM 5.0-Liter and 5.7-Liter engine blocks. Often making it difficult to positively identify which version a technician is working on, and the appropriate parts required too complete any necessary repairs. Hopefully, this will help to take some of the mystery out of the identification process.

1986 & Earlier

A. All 12 of the intake manifold bolts are installed at a 90-degree angle to the block.
B. The valve cover bolts are installed at the perimeter of the head.
C. Crankshafts utilize a 2-piece rear-main seal.
D. These blocks are machined to operate a mechanical fuel pump.

Note: In 1986 there was a limited production run with a one-piece rear-main seal, perimeter valve-cover bolts, and 90-degree bolt pattern for the intake manifold.

1987 thru 1995

A. 8 of the 12 intake manifold bolts are installed at a 90-degree angle to the block. The other 4 bolts are installed at a 72-degree angle.
B. The valve cover bolts are installed in the center of the head.
C. Crankshafts utilize a 1-piece rear-main seal.
D. These blocks are machined to operate a mechanical fuel pump.

Note: During 1996 and 1997 the 350-Magnum (carb) and a limited production of the 5.7-Liter EFI throttle body utilized this (non-Gen+) designed roller-cam engine.

1996 & Newer (Gen+)

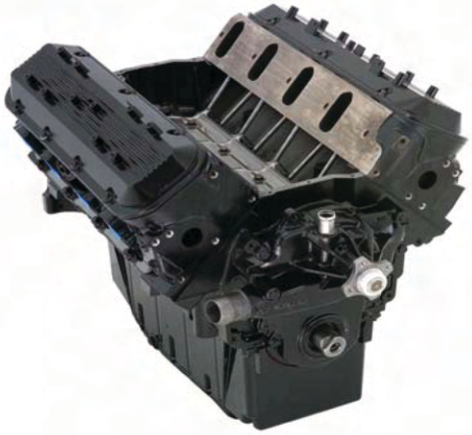
A. All 8 intake manifold bolts are installed vertically. (Straight-up and down)
See MerCruiser Service Bulletin # 97-1 for proper torque procedures and specification.
B. The valve cover bolts are installed in the center of the head.
C. Crankshafts utilize a 1-piece rear-main seal.
D. Timing covers are plastic.
E. Engines are fit with electric fuel pumps.

Note 1: During 1996 and 1997 the 350-Magnum (carb) and a limited production of the 5.7- Liter EFI throttle body utilized the 1987 thru 1995 engine block as stated above.

BIG BLOCK ENGINE IDENTIFICATION

Identification tips for MerCruiser Big Block Engines.





1991 and earlier Mark IV 454/7.4L

Two piece rear main seal on crankshaft, ¾ in pipe plug in the front and rear of each cylinder head, stamped steel 10 bolt front cover. Stamped Steel valve covers, flat tappet camshaft

1991-1996 Gen V 454/7.4L & 502/8.2L

One piece rear main seal, 10 bolt stamped steel front cover, flat tappet camshaft, cast aluminum valve covers.

1996-2002 Gen VI 454/7.4L & 502/8.2L

One piece rear main seal, 6 bolt cast aluminum front cover, roller camshaft, cast aluminum valve covers

2002-2008 496/8.1L

One piece rear main seal, cast aluminum valve covers with coil bracket mounts, crankshaft position sensor at rear of crankcase, roller camshaft, cast aluminum oil pan.

OIL PRIMING INSTRUCTIONS

MERCURY Remanufacturing

Oil System Priming for Remanufactured Engines and Longblocks

All MerCruiser remanufactured 4-cycle engines and longblocks are temporarily fit with electrical, cooling, and fuel systems to perform a series of "Hot-Test" validations for quality control purposes. After the tests, the engine oil drains back into the pan and loses its lubrication value for the bearings, valve-train, and cylinder walls. As shipped, the remanufactured engine or longblock is therefore presumed to be dry.

IMPORTANT: This oil priming procedure is required for all remanufactured engines (including longblocks) prior to initial engine start-up to reduce the potential for premature bearing failures. Evidence of non-compliance could result in the denial of a warranty claim.

There are two methods to prime an engine prior to ignition. Although one is preferred, either may be used.

1. Prime using an engine oil priming tool (available at automotive parts stores; obtain locally). This is the preferred method.
2. Prime using a remote starter switch.

Remote Starter Switch	91- 52024A 1

Using an Engine Oil Priming Tool

1. Fill the engine crankcase to the proper level with the recommended synthetic blend engine oil.

Qty.	Description	Part Number
AR	Synthetic Blend MerCruiser Engine Oil, FC-W Certified, SAE 25W40	8M0086226

2. Remove the complete distributor assembly, being certain to mark it for proper reinstallation. Refer to the applicable MerCruiser Service Manual for details.
3. Install the oil priming tool into the distributor bore and onto the oil pump shaft.
4. Rotate the oil pump with an electric drill until oil pressure registers on an oil pressure gauge. Oil pressure will typically register within two minutes of running the drill.
5. Remove the priming tool and reinstall the distributor according to instructions provided in the applicable MerCruiser Service Manual.

Using a Remote Starter Switch

1. Fill the engine crankcase to the proper level with the recommended synthetic blend engine oil.

Qty.	Description	Part Number
AR	Synthetic Blend MerCruiser Engine Oil, FC-W Certified, SAE 25W40	8M0086226

2. Remove all spark plugs.

   NOTE: Tag spark plug wires with temporary labels, as necessary to ensure that they are reconnected correctly.
3. Disconnect the coil wire from the distributor and connect it to a good ground.
   IMPORTANT: Ensure that the ignition key is in the OFF position.
4. Connect the remote starter switch to the large, 12 V terminal (typically a red battery cable) and the small terminal (yellow/red cable) on the starter motor.
   IMPORTANT: It is possible to perform this procedure using the boat's key switch instead of a remote starter switch. Should you choose this option, make certain that you disconnect the purple wire from the coil before turning the key. Protect the purple wire's connector with electrical tape to avoid accidentally grounding the wire.
5. Prime the oil pump and passages:
   a. Crank the engine for approximately 15-18 seconds.
   b. Let the starter motor cool down for one minute before cycling again.
   c. Repeat this process until oil pressure registers on an oil pressure gauge. Oil pressure will typically register within six or seven cycles of cranking and cooling the starter motor.
6. Remove the remote starter switch (or reconnect the purple wire to the ignition coil, if using the boat's key switch).
7. Install the spark plugs and plug wires.

   NOTE: Ensure that all plug wires are connected to the proper cylinders and that they are correctly routed. Remove any temporary labels.
8. Supply the seawater pump with cooling water.
9. Start the engine to verify oil pressure.

ENGINE BREAK-IN PROCEDURES

MERCURY Remanufacturing

"Break-In" Procedures for 4-cycle MerCruiser Engines

IMPORTANT: The first 20-hours of operation will have a dramatic affect relative to overall engine performance and expected engine life. Proper break-in practices reduce the potential for excessive oil consumption. It also helps to achieve better engine performance levels for a longer period of time.

FIRST 20-HOURS:

1. Do **NOT** operate the engine below 1500 rpm for extended periods of time. Shift into gear as soon as possible after starting the engine. Advance the throttle above 1500 rpm **if conditions permit safe operation.**

2. Do **NOT** operate at one continuous speed for extended periods of time. Vary the throttle position every ten to fifteen minutes.

3. Do **NOT** exceed ¾ throttle during the first 10 hours of operation. During the next 10 hours you may occasionally operate at full throttle for no more than 5-minutes as a time.

4. Do **NOT** operate at full throttle until the engine reaches normal operating temperatures.

5. Avoid full throttle acceleration from an IDLE speed.

AFTER FIRST 20-HOURS:

To help extend the engine life for a remanufactured MerCruiser engine, consider the following recommendations.

1. Install and maintain the correct propeller for the application. Make sure the prop allows the engine to operate at (or near) the top of its specified Wide-Open-Throttle rpm range. Refer to the Owner's Manual, or consult with your marine dealer to determine the correct prop for the application.

2. Refrain from extended periods of Wide-Open-Throttle. We recommend cruising at ¾ throttle or below for longer term operation.

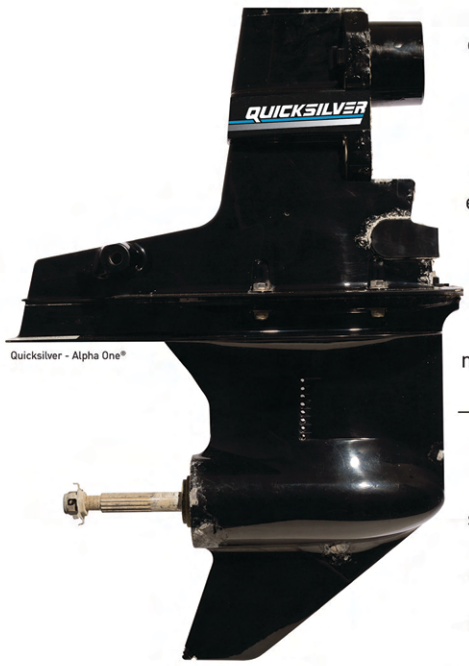
3. Change the oil and filter regularly. Refer to the Specifications and Maintenance section of the MerCruiser Owners Guide for recommendations.

CORROSION - LOOK AND COMPARE

QUICKSILVER
Marine Parts & Accessories

Invest in your fun.
Buy authentic Quicksilver Sterndrives

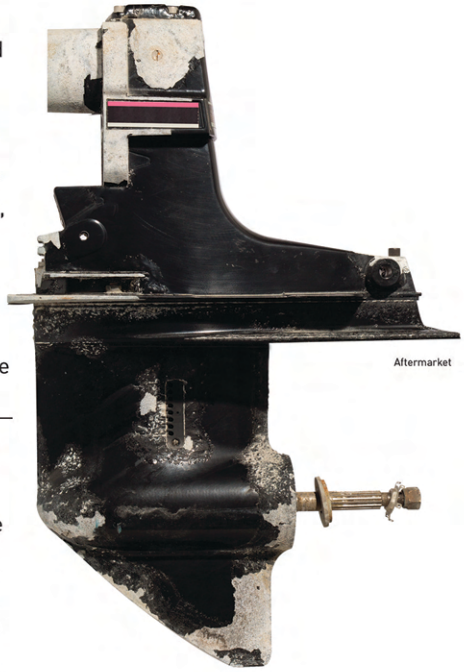
While aftermarket Sterndrives can cost less and fit like the originals, a recent lab test demonstrates the value of buying authentic Quicksilver Sterndrives.



Quicksilver - Alpha One®

Every day for one year, each drive was immersed in a swirling tide of saltwater in Mercury's Florida test facility pool, and then pulled out to air dry. After 52 weeks of exposure to the elements, the aftermarket drive exhibited markedly more paint flaking and corrosion. The corrosion is especially noticeable near the vulnerable engine mounting bracket.

Quicksilver's corrosion-resistant, low-copper aluminum alloy and superior paint protect the Quicksilver Alpha drive against paint flaking and disintegration, resulting in a still-shiny, protected drive at the end of 52 weeks of air and saltwater exposure.


Aftermarket

Invest in your fun and buy
Mercury Marine-made
Quicksilver Sterndrives.

You get what you pay for.

For more infomration visit www.Quicksilver-Products.com

STERNDRIVE AVAILABLE GEAR RATIOS

Alpha Gen II	Single Gear Ratio	High Altitude Gear Ratio	Twin Gear Ratio
3.0L	2.00:1	2.40:1	2.00:1
3.0L MPI	2.00:1	2.40:1	2.00:1
4.3L 2bbl	1.81:1	2.00:1	1.81:1
4.3L 4bbl	1.62:1	1.81:1	1.62:1
4.3L MPI	1.62:1	1.81:1	1.62:1
4.5L - 200	1.81:1	2.00:1	1.81:1
4.5L - 250	1.62:1	1.81:1	1.62:1
5.0 MPI	1.62:1	1.81:1	1.62:1
350 Mag MPI	1.47:1	1.62:1	1.47:1
357 4bbl	1.47:1	1.62:1	1.47:1
Bravo One	**Single Gear Ratio**	**High Altitude Gear Ratio**	**Twin Gear Ratio**
4.5L - 250	1.50:1	1.65:1	1.50:1
5.0 MPI	1.65:1	-	1.50:1
357 Mag 4bbl	1.50:1	1.65:1	1.50:1
350 Mag MPI	1.65:1	-	1.50:1
377 Mag MPI	1.65:1	-	1.50:1
383 Mag MPI	1.65:1	-	1.50:1
383 4bbl	1.50:1	1.65:1	1.50:1
6.2L - 300	1.50:1	1.65:1	1.36:1
6.2L - 350	1.50:1	1.65:1	1.36:1
7.4L/7.4L MPI/454 MPI	1.50:1	1.65:1	1.50:1
Bravo One X	**Single Gear Ratio**	**High Altitude Gear Ratio**	**Twin Gear Ratio**
409 MPI	1.65:1	-	1.65:1
8.2L Mag	1.50:1	1.65:1	1.50:1
8.2L Mag HO	1.50:1	1.65:1	1.50:1
540 Mag 4bbl	1.50:1	1.65:1	1.50:1
496 Mag	1.50:1	1.65:1	1.50:1
496 Mag HO	1.50:1	1.65:1	1.50:1
502/502 MPI	1.50:1	1.65:1	1.50:1
Bravo One XR	**Single Gear Ratio**	**High Altitude Gear Ratio**	**Twin Gear Ratio**
8.2L Mag	1.50:1	-	1.50:1
8.2L Mag HO	1.50:1	-	1.50:1
540 Mag 4bbl	1.50:1	-	1.50:1
496 Mag	1.50:1	-	1.50:1
496 Mag HO	1.50:1	-	1.50:1
Bravo Two	**Single Gear Ratio**	**High Altitude Gear Ratio**	**Twin Gear Ratio**
4.3L 2bbl	2.20:1	2.43:1	2.00:1
4.3L 4bbl	2.20:1	2.43:1	2.00:1
4.3L MPI	2.20:1	2.43:1	2.00:1
4.5L - 200	2.20:1	2.43:1	2.00:1
4.5L - 250	2.20:1	2.43:1	2.00:1
5.0 MPI	2.20:1	2.43:1	2.00:1
357 Mag 4bbl	2.20:1	2.43:1	2.00:1
350 Mag MPI	2.20:1	2.43:1	2.00:1
377 Mag MPI	2.20:1	2.43:1	2.00:1
383 Mag MPI	2.20:1	2.43:1	2.00:1

Bravo Two	Single Gear Ratio	High Altitude Gear Ratio	Twin Gear Ratio
383 4bbl	2.20:1	2.43:1	2.00:1
6.2L - 300	2.20:1	2.43:1	2.00:1
6.2L - 350	2.00:1	2.20:1	1.81:1
7.4L/7.4L MPI/454 MPI	1.81:1	2.00:1	1.81:1
Bravo Two X	**Single Gear Ratio**	**High Altitude Gear Ratio**	**Twin Gear Ratio**
383 4bbl	1.81:1	2.00:1	1.81:1
409 MPI	2.20:1	-	2.20:1
8.2L Mag	1.81:1	2.00:1	1.81:1
8.2L Mag HO	1.81:1	2.00:1	1.81:1
540 Mag 4bbl	1.81:1	2.00:1	1.81:1
496 Mag	1.81:1	2.00:1	1.81:1
496 Mag HO	1.81:1	2.00:1	1.81:1
502/502 MPI	1.81:1	2.00:1	1.81:1
Bravo Three	**Single Gear Ratio**	**High Altitude Gear Ratio**	**Twin Gear Ratio**
4.3L 2bbl	2.43:1	-	2.20:1
4.3L 4bbl	2.20:1	2.43:1	2.00:1
4.3L MPI	2.20:1	2.43:1	2.00:1
4.5L - 200	2.43:1	-	2.20:1
4.5L - 250	2.20:1	2.43:1	2.00:1
5.0 MPI	2.20:1	2.43:1	2.00:1
357 Mag 4bbl	2.20:1	2.43:1	2.00:1
350 Mag MPI	2.20:1	2.43:1	2.00:1
377 Mag MPI	2.20:1	2.43:1	2.00:1
383 Mag MPI	2.20:1	2.43:1	2.00:1
383 4bbl*	1.81:1/2.20:1*	2.00:1/2.43:1*	1.81:1/2.00:1*
6.2L - 300	2.20:1	2.43:1	2.00:1
6.2L - 350	2.00:1	2.20:1	1.81:1
7.4L/7.4L MPI/454 MPI	1.81:1	2.00:1	1.81:1

*Use numerically smaller ratio for boats over 55 mph, and numerically larger ratio for boats under 55 mph.

Bravo Three X	Single Gear Ratio	High Altitude Gear Ratio	Twin Gear Ratio
383 4bbl	1.81:1	2.00:1	1.81:1
409 MPI	2.20:1	2.43:1	2.20:1
8.2L Mag**	1.81:1	2.00:1	1.81:1**
8.2L Mag HO**	1.81:1	2.00:1	1.81:1**
540 Mag 4bbl	1.81:1	2.00:1	1.81:1
496 Mag**	1.81:1	2.00:1	1.81:1**
496 Mag HO**	1.81:1	2.00:1	1.81:1**
502/502 MPI	1.81:1	2.00:1	1.81:1
Bravo Three XR	**Single Gear Ratio**	**High Altitude Gear Ratio**	**Twin Gear Ratio**
8.2L Mag**	1.81:1	2.00:1	1.65:1**
8.2L Mag HO**	1.81:1	2.00:1	1.65:1**
540 Mag 4bbl	1.81:1	2.00:1	1.65:1
496 Mag**	1.81:1	2.00:1	1.81:1**
496 Mag HO**	1.81:1	2.00:1	1.81:1**

**Some 30,000#+ or 40'+ twin engine boats may require numerically larger ratios to plane. Call for assistance.

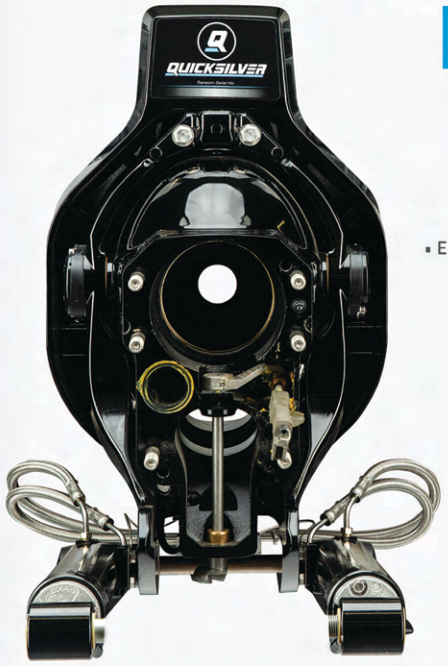
QUICKSILVER TRANSOM AND DRIVES - NEW

QUICKSILVER
Marine Parts & Accessories

Alpha One® Gen II
Transoms and Sterndrives

Quiet. Strong. Durable.

- Corrosion Resistant
- 1-Year Limited Warranty
- Easily Serviced by Most Marine Dealers



QS Alpha One Gen II Transom 714-6-61000004P



QS Alpha One Gen II Sterndrive 2.00:1 714-5-51100007P
QS ALpha One Gen II Sterndrive 1.47:1 714-5-51100008P

QUICKSILVER
Marine Parts & Accessories

Standard Features

Reliability

- Spiral-cut steel bevel gears for quiet operation and durability.
- XK360 low-copper alloy for corrosion resistance.
- Tri-Paint System creates a tough, durable corrosion-resistant barrier.
- Armored trim lines protect hydraulic system from debris.
- Flow-Torq II Propeller Hub – The 'Weekend Saver" protects the entire drive from damage, not just the lower unit.

Performance

- Hydrodynamic lower unit produces little drag to slice through the water efficiently.
- Trim limit switch sets drive angle for maximum performance every time.
- Through-prop exhaust maximizes power and reduces noise levels.
- Wide range of 3-, 4-, and 5-blade propellers available in aluminum and stainless steel to maximize pulling power and top speed for any application.

Easy Ownership

- **Drive Lube Monitor** – Alarm warns if drive lube is low. Engine mounting allows easy inspection and fill without the cost to pull a boat from the water.
- **Permalube® U-Joint** – Virtually no maintenance required.
- **Maintenance Free Hinge Pins** – No added cost to pull a boat from the water.
- **Greaseable Drive Coupler** – No added cost to pull a boat from the water.
- **Greaseable Gimbal Bearing** – Do not need to remove the drive for service.

Technology

- Power Trim XD® automatically returns the drive to the water to maintain full control of boat in case of an emergency.
- Available MerCathode® kit monitors the galvanic potential of the drive and counteracts corrosion with a metered electrical charge providing continuous cathodic protection.
- Engine Guardian System® with MPI engines protects the drive from damage from low lubricant levels.

Sterndrive & Transom

Alpha Gen II

Nothing beats the Alpha for low-maintenance, value, and family fun on the water year after year. No wonder it is the world's most popular sterndrive.

Quicksilver Alpha Gen II Drive and Transom

Maximum Power Capacity	**Transom 714-6-61000004P:** 300 HP (230 kW) **2.00:1 Drive 714-5-51100007P:** 135 HP (99 kW)
Lower Unit Design	Low-Drag Hydrodynamic Torpedo
Maximum Propeller Diameter	15-inches
Water Inlet Location	Strut
Clutch Type	Compact Dog Clutch with F-N-R
Drive Gear Ratios	2.00:1
Counter-Rotation	N/A
Upper Unit Gear Set	Precision Shimmed, Spiral Bevel Gear
Lower Unit Gear Set	Precision Shimmed, Spiral Bevel Gear
Propshaft Material	Heat-Treated Stainless Steel
Standard Exhaust Outlet	Through Propeller
Propeller Hub Type	Flo-Torq II Hub
Recommended Lubricant	Quicksilver High-Performance Gear Lube: 710-92-858064K01
Monitoring System	Engine-Mounted Lube Monitor w/ Audio Warning or Engine Guardian®
Corrosion Warranty	3-Year, Limited
Housing Construction	Corrosion-Resistant XK 360 Aluminum Low-Copper Alloy
Corrosion Protection	Tri-Paint, Anodes & MerCathode® as a Kit
Anode Type	Ultra-Pure Aluminum Anodes or Magnesium Anode Kit
Speedometer Pick-up	Integrated Into Lower Housing
Steering System	Single-Cylinder Power Steering with Anti-Feedback
Steering Range	560 Range Stop to Stop
U-Joint Type	Permalube® Virtually Maintenance-Free
Power Trim System	Twin-Cylinder Hydraulic Featuring Power Trim XD® Kick-up Return
Typical Trim Range	-50 to 150
Trim Limit Switch	Standard - Adjustable
Trailer Limit	530
Trim Hinge Pin Design	Permanently Lubricated – No Maintenance Required
Hydraulic Trim Lines	Stainless Steel Braided Armor
Drive Coupler	Greaseable From Inside Boat
Weights	**Transom 714-6-61000004P:** 89 lbs. (40 kg) **Drive 714-5-51100007P:** 85 lbs. (38 kg)

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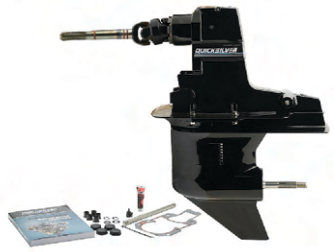
QUICKSILVER TRANSOM AND DRIVES - NEW

Quicksilver now offers 100% new OEM-quality replacement sterndrives and transoms for MerCruiser, Quicksilver and Mercury Remanufacturing sterndrive engines without an engine mounted seawater pump. Value repower doesn't mean compromise, as these systems are manufactured to exacting standards that deliver durable, quiet, and reliable performance. A Quicksilver Repower Reference Manual that covers all aspects of proper application and installation is included with each unit. Quicksilver delivers performance, protection, and peace of mind.

QUICKSILVER STERNDRIVES

Using proprietary forged gear sets, Quicksilver Alpha One Gen II sterndrives provide years of durable and quiet operation for a safe and sophisticated boating experience like none other. Compatible with Flo-Torque II hubs & engines using remote drive lube reservoirs to protect your investment. Quicksilver sterndrives feature: perma-lube U-joints, corrosion resistant XK-360 alloy, a tri-paint protection system, stainless steel shafts, ultra-pure aluminum anodes and a genuine Quicksilver water pump impeller. Use of Quicksilver High Performance Gear Lube is recommended to prevent corrosion and pitting. Choose Quicksilver original parts because everything is riding on it.

ALPHA ONE GEN II



5-51100007P

2.00:1 ratio
Standard Rotation (RH)

Recommended for single installation MerCruiser 3.0L Alpha sterndrive engines up to 150hp used in runabouts and pontoon boats; not for use at high altitudes (5,000-plus feet)

5-51100009P

1.62:1 ratio Standard Rotation (RH)

Recommended for use with Quicksilver 4.5L MPI Alpha sterndrive engines

5-51100008P

1.47:1 ratio Standard Rotation (RH)

Recommended for use with Quicksilver 350 MPI Alpha sterndrive engines

BRAVO ONE STERNDRIVE



5-52100004P

Bravo One Sterndrive 1.50:1 ratio with dual water pickups
s/n 0W249999 and below

BRAVO ONE XZ STERNDRIVE



5-52100005P

Bravo One XZ
1.50:1 ratio with dual water pickups
s/n 0W249999 and below

BRAVO THREE STERNDRIVE



5-52300001P

Bravo Three Sterndrive 2.00 ratio
s/n 0W249999 and below

5-52300002P

Bravo Three Sterndrive 2.20 ratio
s/n 0W249999 and below

QUICKSILVER TRANSOM ASSEMBLY

Built to repower the most popular sterndrive engines in the world! Quicksilver transoms are compatible with MerCruiser, Quicksilver and Mercury Remanufacturing engines. With Quicksilver's original parts, you get what you pay for.

A transom is one of the most important components powering a sterndrive boat because of the many critical systems that it manages:

- Steering actuation
- Trim control, sensing, and limit
- Exhaust management
- Cooling water handling
- Corrosion control
- The important function of keeping water out of the boat

TRANSOM ASSEMBLY

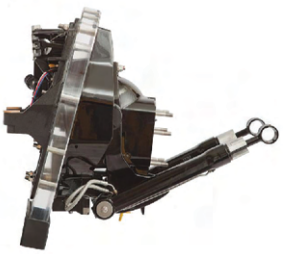


6-61000004P

1994-2016 Alpha One Gen II

For use with single or twin engine installations in boats up to 65 MPH using gas engines up to 300 HP using the Alpha One Gen II sterndrive.

QUICKSILVER MAGNUM TRANSOM



6-62000025P

Magnum

Used with 4.3L, 5.0L, 5.7L,350, 357, 383, 6.2L non-DTS engines

MERCRUISER STERNDRIVES - NEW

For more than 50 years, the word "MerCruiser" has been synonymous with high-performance sterndrives. Choose from more than 20 unique drive systems such as our Alpha One, the most popular sterndrive in the world, or our brawny Bravo Series drives. MerCruiser has the perfect drive system for you and your boat.

ALPHA DRIVES:

Alpha One
- The most popular sterndrive in the world
- Single or twin applications up to 65 mph. For gas engines, up to 300 hp, Gen I and Gen II are available.

BRAVO DRIVES:

Bravo One
- Great performance starts with Heart
- Single, twin, triple applications over 100 mph. For gas sterndrives up to 600 hp.

Bravo Two
- Handle the biggest boats with authority
- Twin applications up to 55 mph. For gas engines up to 450 hp.

Bravo Three
- Efficient. Maneuverable. Unbeatable.
- Single or twin applications up to 65 mph. For gas engines up to 525 hp.

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)

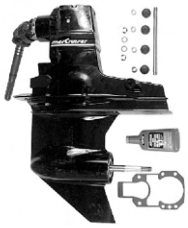
5-5010162CP
Alpha One
1.62 ratio
Standard Rotation (RH)

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

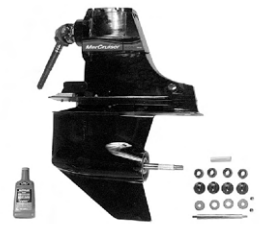
Alpha One Gen II
2.00:1 Ratio
Counter Rotation (LH)
(s/n 0W535509 and below)

5-5121700TP

Alpha One Gen II
2.40 ratio
Standard Rotation (RH)

STERNDRIVES - BRAVO ONE

BRAVO ONE STERNDRIVE



5-5231100TP

Bravo One
1.36 ratio with dual water pickup
(s/n 0W250000 & up)

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)

5-5E31800TP

Bravo One XR
1.26 ratio with dual water pickup
(s/n 0W240000 and up)

5-5E31900UP

Bravo One XR
1.35 ratio with dual water pickup
(s/n 0W240000 and up)

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

5-52100003P

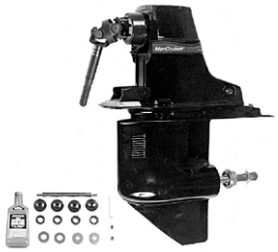
Bravo One XR - SeaCore
1.35 ratio with dual water pickup

5-5X32200TP

Bravo One XR - SeaCore
1.50 ratio with dual water pickup

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)

5-5332200TP

Bravo Two X - Diesel
1.50 ratio
(s/n 0W250000 and up)

5-5332300TP

Bravo Two X - Diesel
1.65 ratio
(s/n 0W250000 and up)

5-5337400TP

Bravo Two X
1.81 ratio
(s/n 0W250000 and up)

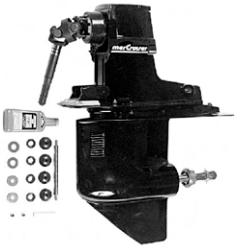
5-5337600TP

Bravo Two X
2.00 ratio
(s/n 0W250000 and up)

5-5337500TP

Bravo Two X
2.20 ratio
(s/n 0W250000 and up)

BRAVO TWO STERNDRIVE

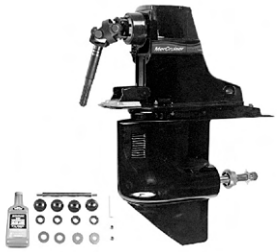


5-5T32300TP

Bravo Two XR - Diesel
1.65 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

5-5K32200TP

Bravo Two X - Diesel - SeaCore
1.50 ratio

5-5K32300TP

Bravo Two X - SeaCore, Diesel
1.65 ratio

5-5K37400TP

Bravo Two X - SeaCore
1.81 ratio

5-5K37600TP

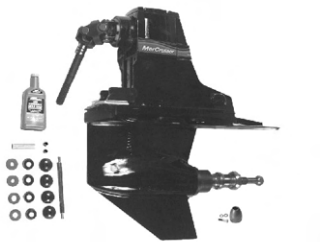
Bravo Two X - SeaCore
2.00 ratio

5-5K32500TP

Bravo Two X - SeaCore, Diesel
2.20 ratio

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)

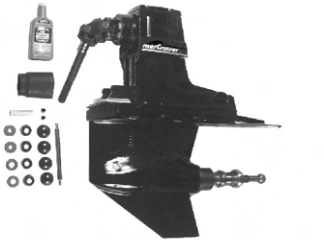
5-5441500TP

Bravo Three
2.20 ratio
(s/n 0W250000 and up)

5-5441700TP

Bravo Three
2.43 ratio
(s/n 0W250000 and up)

BRAVO THREE STERNDRIVE



5-5442100TZ

Bravo Three X - Diesel, dual water pickup
1.36 ratio
(s/n 0W250000 and up)

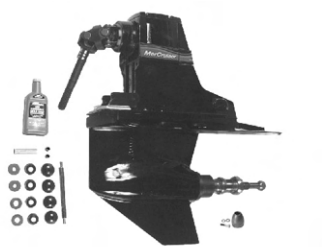
5-5442200TZ

Bravo Three X - Diesel, dual water pickup
1.50 ratio
(s/n 0W250000 and up)

5-5442300TZ

Bravo Three X - Diesel, dual water pickup
1.65 ratio
(s/n 0W250000 and up)

BRAVO THREE STERNDRIVE



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)

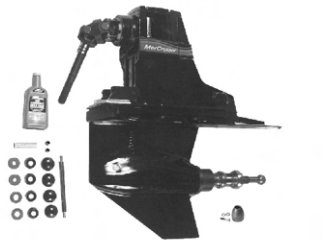
5-5H41300UP
Bravo Three XR, dual water pickup
1.65 ratio
(s/n 0W240000 and up)

5-5H41400UP
Bravo Three XR, dual water pickup
1.81 ratio
(s/n 0W240000 and up)

5-5H41600TZ
Bravo Three XR, dual water pickup
2.00 ratio
(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

5-5L42100TP
Bravo Three X - Diesel - SeaCore
1.36 ratio

5-5L42200TP
Bravo Three X - Diesel - SeaCore
1.50 ratio

5-5L42300TP
Bravo Three X - Diesel - SeaCore
1.65 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

5-5M42300TP
Bravo Three XR - Diesel - SeaCore
1.65 ratio

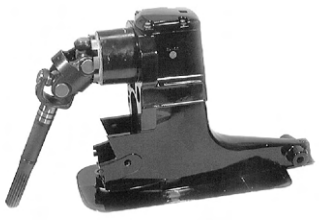
5-5M41400TP
Bravo Three XR - SeaCore
1.81 ratio

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, it 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 MerCruiser MC-I, R, MR and Alpha One sterndrives with 1.32 gear ratio

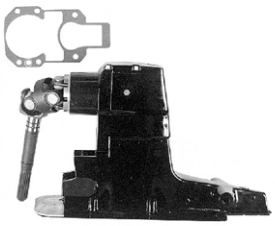
1547- 9412A20
1.50 ratio
Fits MerCruiser MC-I, R, MR and Alpha One sterndrives with 1.50 gear ratio

1547- 9412A21
1.65 ratio
Fits MerCruiser MC-I, R, MR and Alpha One sterndrives with 1.65 gear ratio

1547- 9412A22
1.84 ratio
Fits MerCruiser MC-I, R, MR and Alpha One sterndrives with 1.84 gear ratio

1547- 9412A23
1.98 ratio
Fits MerCruiser MC-I, R, MR and Alpha One sterndrives with 1.98 gear ratio

ALPHA ONE GEN II DRIVESHAFT HOUSING - COMPLETE



1547-861063A12

1.47 ratio

Fits MerCruiser and Quicksilver Alpha One Gen II sterndrives with 1.47 gear ratio

1547-861063A10

1.62 & 2.00 ratios

Fits MerCruiser and Quicksilver Alpha One Gen II sterndrives with 1.62 and 2.00 gear ratios

1547-861063A 8

1.81 ratio

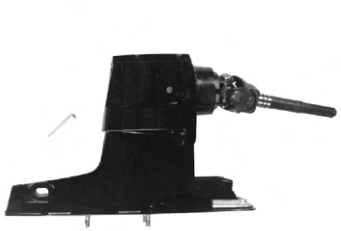
Fits MerCruiser and Quicksilver Alpha One Gen II sterndrives with 1.81 gear ratio

1547-861063A 6

1.94 & 2.40 ratio

Fits MerCruiser and Quicksilver Alpha One Gen II sterndrives with 1.94 and 2.40 gear ratios

BRAVO DRIVESHAFT HOUSING - COMPLETE



1589-863836A50

Fits MerCruiser Bravo One and Performance (1.36 gear ratio), Bravo Two (1.50 and 1.81), and Bravo Three (1.36 and 1.81) sterndrives (serial No. 0D469909-0W249999)

1589-863836A51

Fits MerCruiser Bravo One and Performance (1.50 gear ratio), Bravo Two (1.65 and 2.00), and Bravo Three (1.50, 1.65 and 2.00) sterndrives (serial No. 0D469920-0W249999)

1589-863836A52

Fits MerCruiser Bravo One and Performance (1.65 gear ratio), Bravo Two (2.20) and Bravo Three (2.20 and 2.43 ratio) sterndrives (serial No. 0D469920-0W249999)

1589-863836A66

Fits MerCruiser Bravo One X and XZ (1.36 gear ratio), Bravo Two X (1.50 and 1.81), and Bravo Three X (1.36 and 1.81) sterndrives (serial No. 0M100001-0W249999)

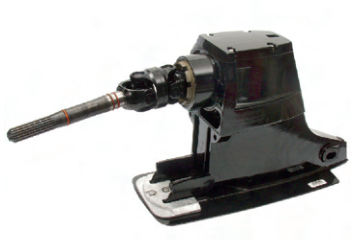
1589-863836A67

Fits MerCruiser Bravo One X and XZ (1.50 gear ratio), Bravo Two X (1.65 and 2.00), and Bravo Three X (1.50, 1.65 and 2.00) sterndrives (serial No. 0M100001-0W249999)

1589-863836A56

Fits MerCruiser Bravo One XR (serial No. 0M100001-0W239999)

BRAVO DRIVESHAFT HOUSING - COMPLETE



1589-865440H50

Fits MerCruiser Bravo One (1.36 gear ratio), Bravo Two (1.50) and Bravo Three (1.36) sterndrives (serial No. 0W250000 and up)

1589-865440H51

Fits MerCruiser Bravo One (1.50 gear ratio), Bravo Two (1.65 and 2.00) and Bravo Three (1.65 and 2.00) sterndrives (serial No. 0W250000 and up)

1589-865440H52

Fits MerCruiser Bravo One (1.65 gear ratio), Bravo Two (2.20) and Bravo Three (2.20 and 2.43) sterndrives (serial No. 0W250000 and up)

1589-865440H01

Fits MerCruiser Bravo Two (1.81 gear ratio) and Bravo Three (1.81) sterndrives (serial No. 0W250000 and up)

1589-865440H02

Fits MerCruiser Bravo Three sterndrives with 1.50 gear ratio (serial No. 0W250000 and up)

BRAVO SEACORE DRIVESHAFT HOUSING - COMPLETE

1500-866458J01

SeaCore

Fits MerCruiser SeaCore Bravo One (1.36 gear ratio), Bravo Two (1.81) and Bravo Three (1.36) sterndrives

1500-866458J02

SeaCore

Fits MerCruiser SeaCore Bravo One (1.50 gear ratio), Bravo Two (2.00) and Bravo Three (1.65 and 2.00) sterndrives

1500-866458J03

SeaCore

Fits MerCruiser SeaCore Bravo One (1.65 gear ratio), Bravo Two (2.20) and Bravo Three (2.20 and 2.43) sterndrives

1500-866458J04

SeaCore

Fits MerCruiser SeaCore Bravo Two (1.81 gear ratio) and Bravo Three (1.81) sterndrives

BRAVO X DRIVESHAFT HOUSING - COMPLETE



1589-865440H66

Fits MerCruiser Bravo One X (1.36 gear ratio), Bravo Two X (1.50 and 1.81) and Bravo Three X (1.36 and 1.81) sterndrives (serial No. 0W250000 and up)

1589-865440H67

Fits MerCruiser Bravo One X (1.50 gear ratio), Bravo Two X (1.65 and 2.00) and Bravo Three X (1.50, 1.65 and 2.00) sterndrives (serial No. 0W250000 and up)

1589-865440H68

Fits MerCruiser Bravo One X (1.65 gear ratio), Bravo Two X (2.20) and Bravo Three X (2.20 and 2.43) sterndrives (serial No. 0W250000 and up)

1589-865440H56

Fits MerCruiser Bravo One XR (1.26, 1.35 and 1.50 gear ratio) and Bravo Three XR (1.65, 1.81 and 2.00) (serial No. 0W240000 and up)

1589-**865440H73**

Fits MerCruiser Bravo One XR sterndrives with integrated transom (s/n 0W240000 and above)

BRAVO X SEACORE DRIVESHAFT HOUSING - COMPLETE

1500-**866459J01**

SeaCore

Fits MerCruiser SeaCore Bravo One X (1.36 gear ratio), Bravo Two X (1.50 and 1.81) and Bravo Three X (1.36 and 1.81) sterndrives

1500-**866459J02**

SeaCore

Fits MerCruiser SeaCore Bravo One X (1.50 gear ratio), Bravo Two X (1.65 and 2.00) and Bravo Three X (1.50, 1.65 and 2.00) sterndrives

1500-**866459J03**

SeaCore

Fits MerCruiser SeaCore Bravo One X (1.65 gear ratio), Bravo Two X (2.20) and Bravo Three X (2.20) sterndrives

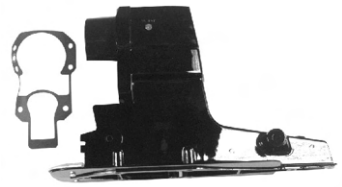
1500-**866459J04**

SeaCore

Fits MerCruiser SeaCore Bravo One XR (1.35 and 1.50 gear ratio) and SeaCore Bravo Three XR (1.65, 1.81 and 2.00) sterndrives

DRIVESHAFT HOUSINGS - BASIC

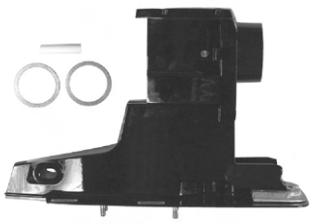
ALPHA ONE GEN II DRIVESHAFT HOUSING



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)

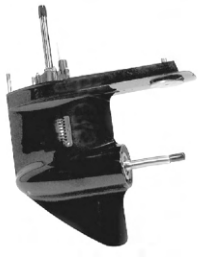
1500-**866459J00**

SeaCore

Fits Bravo I/II/III X & XR

GEAR HOUSINGS - COMPLETE

ALPHA ONE GEAR HOUSING - COMPLETE



1623- **8951A43**

Standard Rotation (RH)

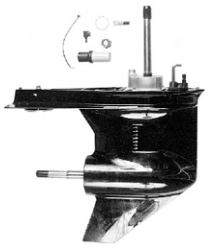
Fits MerCruiser R, MR and Alpha One sterndrives

1623- **8951A33**

Counter Rotation (LH)

Fits MerCruiser counter-rotation (LH) MR and Alpha One sterndrives

ALPHA ONE GEN II GEAR HOUSING - COMPLETE



1623-815822A53

1.47, 1.62, 1.81 & 1.94 ratio
Standard Rotation (RH)

Fits MerCruiser and Quicksilver Alpha One Gen II sterndrives with 1.47, 1.62, 1.81 and 1.94 gear ratios

1623-815822A47

1.47, 1.62, 1.81 & 1.94 ratio
Counter Rotation (LH)

Fits counter-rotation (LH) MerCruiser and Quicksilver Alpha One Gen II sterndrives with 1.47, 1.62, 1.81 and 1.94 gear ratios

1623-815822A55

2.00 & 2.40 ratio
Standard Rotation (RH)

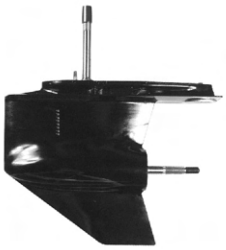
Fits MerCruiser and Quicksilver Alpha One Gen II sterndrives with 2.00 gear ratio

1623-815822A52

2.00 ratio
Counter Rotation (LH)

Fits counter-rotation (LH) MerCruiser and Quicksilver Alpha One Gen II sterndrives with 2.00 gear ratio

BRAVO ONE GEAR HOUSING - COMPLETE



1656- 8866A63

With dual water pickup
1.36, 1.50 & 1.65 ratio

Fits MerCruiser Bravo One (serial No. 0D649909 and up) and Bravo One X sterndrives with 1.36, 1.50 and 1.65 gear ratios

1656- 8866J01

SeaCore
With dual water pickup
1.36, 1.50 & 1.65 ratio

Fits MerCruiser SeaCore Bravo One and One X sterndrives with 1.36, 1.50 and 1.65 gear ratios

1656- 8866A83

With heavy duty propshaft and dual water pickup

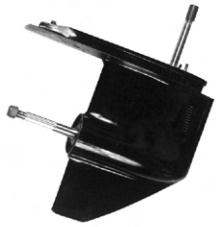
Fits MerCruiser Bravo One XR sterndrives with 1.35 gear ratios

1656- 8866A62

With heavy duty propshaft and dual water pickup

Fits MerCruiser Bravo One XR (1.50 gear ratio) and Bravo One XZ (1.36 and 1.50) sterndrives

BRAVO TWO GEAR HOUSING - COMPLETE



1641- 8294A19

1.50 & 1.65 ratio

Fits MerCruiser Bravo Two (serial No. 0D469920 and up) and Two X sterndrives with 1.50 and 1.65 gear ratios

1641- 8294A16

1.81, 2.00 & 2.20 ratio

Fits MerCruiser Bravo Two (serial No. 0D469920 and up) and Two X sterndrives with 1.81, 2.00 and 2.20 gear ratios

1641- 8294J02

SeaCore
1.65 ratio

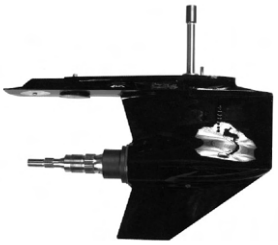
Fits MerCruiser SeaCore Bravo Two X sterndrives with 1.65 gear ratio

1641- 8294J01

SeaCore
1.81, 2.00 & 2.20 ratio

Fits MerCruiser SeaCore Bravo Two and Two X sterndrives with 1.81, 2.00 and 2.20 gear ratios

BRAVO THREE GEAR HOUSING - COMPLETE



1656-8M0046733

1.36 & 1.50 ratio, dual water pickup

Fits MerCruiser Bravo Three (serial No. 0D784124 and up) and Bravo Three X sterndrives with 1.36 and 1.50 gear ratios

1656-8M0046735

1.65 ratio, dual water pickup

Fits MerCruiser Bravo Three (serial No. 0D784124 and up), Bravo Three X and Bravo Three XR (0W240000 and up) sterndrives with 1.65 gear ratio

1656-8M0046738

1.81, 2.00 & 2.20 ratio, dual water pickup

Fits MerCruiser Bravo Three and Three X (1.81, 2.00 and 2.20 gear ratios) and Bravo Three XR (2.00) sterndrives

1656-8M0046682

2.43 ratio, dual water pickup

Fits MerCruiser Bravo Three (serial No. 0D784124 and up) and Bravo Three X sterndrives with 2.43 gear ratio

1656-8M0046831

1.81 ratio, dual water pickup

Fits MerCruiser Bravo Three XR sterndrives with 1.81 gear ratio (serial No. 0W240000 and up)

1656- 8866J08

SeaCore
1.36 & 1.50 ratio

Fits MerCruiser SeaCore Bravo Three X sterndrives with 1.36 and 1.50 gear ratios

1656- 8866J24

SeaCore
1.65 ratio

Fits MerCruiser SeaCore Bravo Three and Three X sterndrives with 1.65 gear ratio

1656- 8866J09

SeaCore
1.81, 2.00 & 2.20 ratio

Fits MerCruiser SeaCore Bravo Three and Three X (1.81, 2.00 and 2.20 gear ratios) and SeaCore Bravo Three XR (2.00) sterndrives

1656- 8866J07

SeaCore
1.81ratio

Fits MerCruiser SeaCore Bravo Three XR sterndrives with 1.81 gear ratio

1656- 8866J25

SeaCore
2.43 ratio

Fits MerCruiser Bravo Three sterndrives with 2.43 gear ratio

GEAR HOUSINGS - BASIC

ALPHA ONE GEAR HOUSING

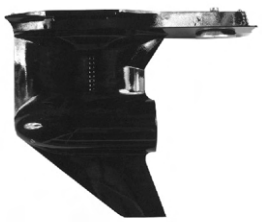


1623- 8951A37

Standard Rotation (RH)

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)

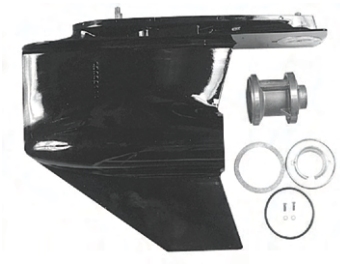
Fits Alpha One Gen II (s/n 0D469859-0F679999)

1623-815822A36

Standard or Counter Rotation

Fits Alpha One Gen II (s/n 0F680000 and up)

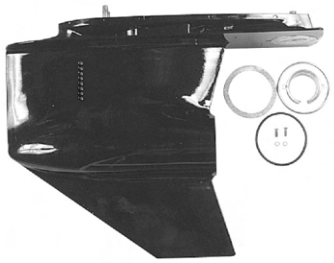
BRAVO ONE GEAR HOUSING



1656- 8866A11

Fits Bravo I (s/n 0D469908 & below)

BRAVO ONE GEAR HOUSING



1656- 8866A64

With dual water pickup

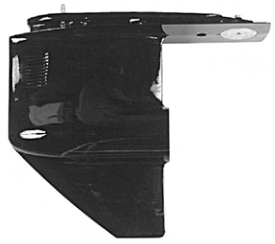
Fits Bravo I (s/n 0D469909 & up) & X/XR/XZ

1656- 8866J00

SeaCore
With dual water pickup

Fits Bravo I & I X

BRAVO TWO GEAR HOUSING



1641- 8294A14

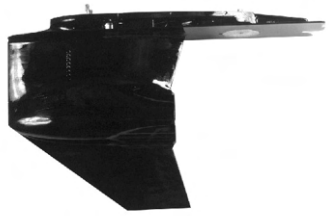
Fits Bravo II (s/n 0D469920 & up)

1641- 8294J00

SeaCore

Fits Bravo II & IIX

BRAVO THREE GEAR HOUSING



1656-8M0046683

Dual water pickup

Fits Bravo III (s/n 0D784124 and up)

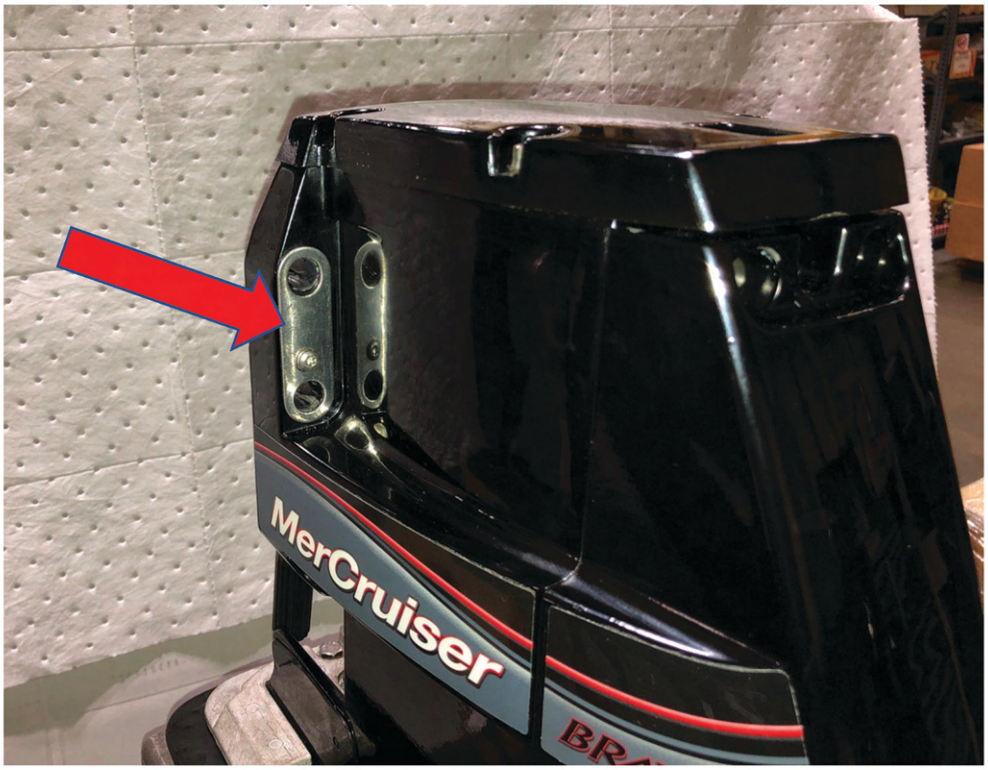
1656- 8866J30

SeaCore
With dual water pickup

Fits Bravo III

SERIAL TAG LOCATION-STERNDRIVES

Serial tag location – Bravo drive



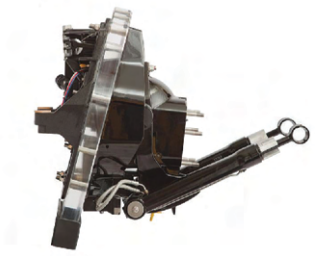
MERCRUISER TRANSOMS - NEW

The transom assembly is the least discussed component, but is undeniably one of the most important. This holds true for every MerCruiser sterndrive application. Most people's repower focus is on the engine and sterndrive, however, the transom delivers cool water, manages the exhaust, serves as the primary engine mount, controls the steering, manages the trim system, delivers MerCathode corrosion protection, and serves as the conduit for speed and trim control. The transom also serves the critical function of sealing seawater outside the boat.

When you consider the importance and value of this component, make sure to also consider the condition of your current transom assembly. Taking care of a transom during a repower may save from lost time on the water later.

TRANSOM ASSEMBLY - ALPHA

TRANSOM ASSEMBLY



6-6010000CP
1982-1990 Alpha One

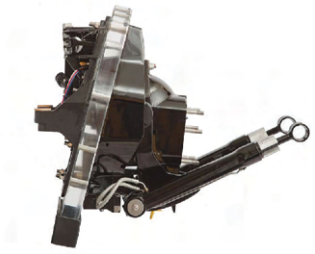
6-6010000DP
1991-1993 Alpha One Gen II

6-61000005P
Includes complete power trim pump
1994-2016 Alpha One Gen II

6-61000002P
Alpha One Gen II - Digital.
Mercury 4.5L V6 Engine

TRANSOM ASSEMBLY - BRAVO

BRAVO MAGNUM TRANSOM



6-62000024P
Includes power trim pump
Used with 4.3L, 5.0L, 5.7L, 350, 357, 377, 383, 6.2L non-DTS engines

TRANSOM ASSEMBLY

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

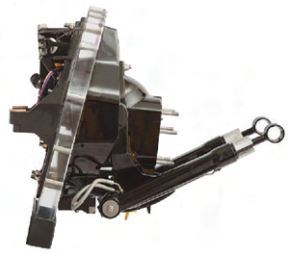


6-6511002NZ
Bravo, Heavy Duty (w/o sender)
Used with Racing Products engines

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

6-6A45002TP
Bravo, SmartCraft - SeaCore Axius Gen I

INBOARD TRANSMISSIONS - NEW

A Quicksilver exclusive, 100% new mechanical transmission assemblies offer the best value on the market by delivering: INCLUDED rigging content worth over $1500, mounting hardware, fluid-filled and factory tested. This means everything is ready to go to install a complete inboard using a bobtail Plus Series engine.

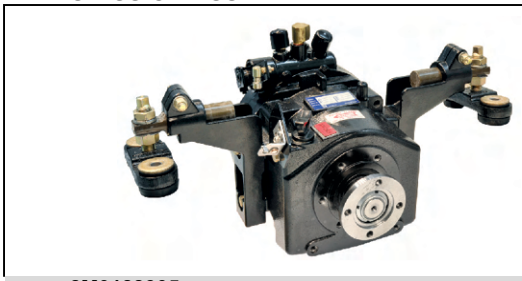
The transmission assemblies include:
- Transmission mounting brackets, trunions and hardware
- Transmission mounts
- Heavy duty copper cooler
- Transmission fluid hoses
- Shift bracket and hardware
- Gear indicator switch
- High temperature switch
- Fresh coat of phantom black paint

The typical application is for MerCruiser, Quicksilver and Mercury Remanufacturing gasoline inboard engines. Engine couplers may need to be changed based on the transmission and application. In general, spring plate couplers are used for inline or co-axial transmissions, and dual-stage couplers for V-Drive and Down-Angle transmissions. If using on an existing engine, a new coupler is recommended when using a new transmission. Also, please be sure to install and properly adjust new premium shift cables as the #1 clutch failure is from improperly adjusted shift cables that can result in severe transmission damage. Propshaft couplers need to be sourced separately.

As a side note, ZF 63 series transmissions are in process of converting to ZF 68 series transmissions. Some SKU's of ZF 63 series may need to convert to ZF 68 series at the time of order. There is a price difference to consider, however, Quicksilver will provide the value offered by the ZF 63 series for as long as they are available. Now available for the first time, quarts of Quicksilver marine transmission fluid p/n 8M0175441 (a special formulation of marine transmission fluid for heavy-duty marine transmission use that exceeds Dextron II & III specifications).
Transmission gear ratio is boat hull and weight dependent. If you have no idea where to start, some typical gear ratios based on boat length are shown below for what is common in most applications.
15'-22' = 1.0:1
23'-27' = 1.5:1
28'-33' = 2.0:1
34'-38' = 2.5:1
39'-40' = 2.7:1
41'-42' = 2.85:1
43'-44' - 3.15:1
Generally, you should step down in ratio (example from 2.5 to 2.0) if repowering with +75HP or more. 409 MPI Horizon engines require one step numerically higher gears than 454/496/502 engines. For example, if a 454 using a 63A 2.5:1 ratio original installation, replace with a 68A 2.7:1 transmission.

ZF/HURTH 45C DIRECT ACROSS

TRANSMISSION ASSEMBLY



8M0188305

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.
This transmission can be used with STD Rotation or Counter Rotation engine. The pump can be "clocked" to run correct direction for STD and Counter Rotation engines.

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 68A DOWN-ANGLE TRANSMISSION ASSEMBLIES

TRANSMISSION ASSEMBLY

8M0188308

Completely dressed, brand new Down-Angle Inboard Transmission. Includes oil cooler, hoses and mounting hardware.
This is a Full Power Reverse Transmission for use with Standard (Right Hand) Rotation Engines

Replaces ZF / Hurth HSW630A 1 Transmission with 1.50:1 Gear Ratio.

8M0188309

Completely dressed, brand new Down-Angle Inboard Transmission. Includes oil cooler, hoses and mounting hardware.
This is a Full Power Reverse Transmission for use with Standard (Right Hand) Rotation Engines

Replaces ZF / Hurth HSW630A 1 Transmission with 2.00:1 Gear Ratio.

8M0188310

Completely dressed, brand new Down-Angle Inboard Transmission. Includes oil cooler, hoses and mounting hardware.
This is a Full Power Reverse Transmission for use with Standard (Right Hand) Rotation Engines

Replaces ZF / Hurth HSW630A 1 Transmission with 2.50:1 Gear Ratio.

8M0188311

Completely dressed, brand-new ZF 68A Down-Angle Inboard Transmission. Includes oil cooler, hoses and mounting hardware.
This is a Full Power Reverse Transmission for use with Standard (Right Hand) Rotation Engines

Replaces ZF / Hurth 63A & 68A transmissions with 2.7:1 Gear Ratio.

ZF 68V V-DRIVE TRANSMISSION ASSEMBLIES

TRANSMISSION ASSEMBLY



8M0188312

Completely dressed, brand new V-Drive Inboard Transmission. Includes oil cooler, hoses and mounting hardware.
This is a Full Power Reverse Transmission for use with Standard (Right Hand) Rotation Engines

Replaces ZF / Hurth HSW630V1 Transmission with 1.50:1 Gear Ratio.

8M0188313

Completely dressed, brand new V-Drive Inboard Transmission. Includes oil cooler, hoses and mounting hardware.
This is a Full Power Reverse Transmission for use with Standard (Right Hand) Rotation Engines

Replaces ZF / Hurth HSW630V1 Transmission with 2.00:1 Gear Ratio.

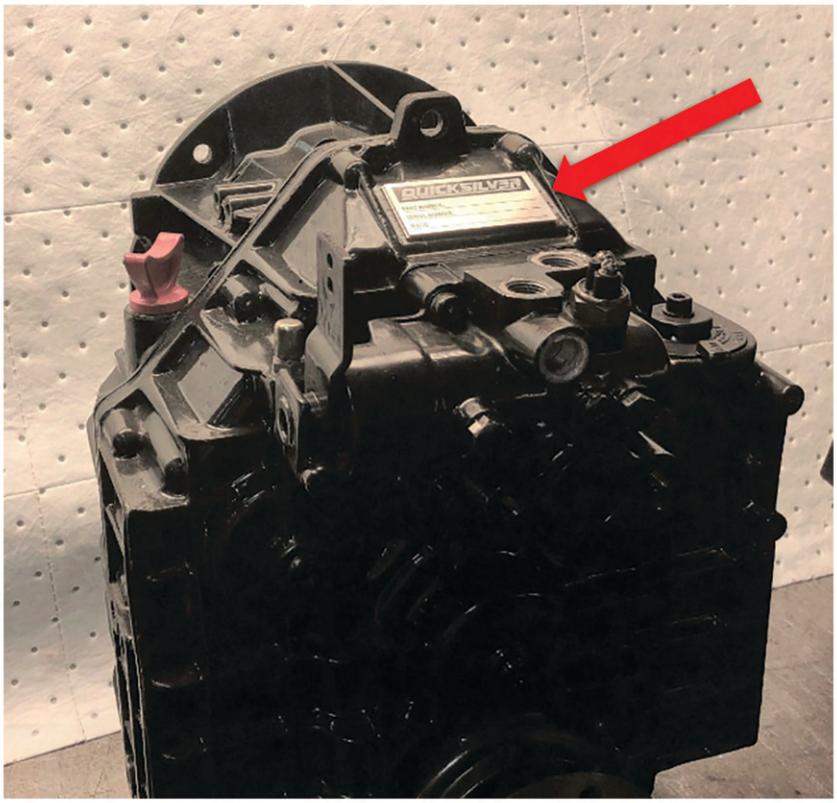
8M0188314

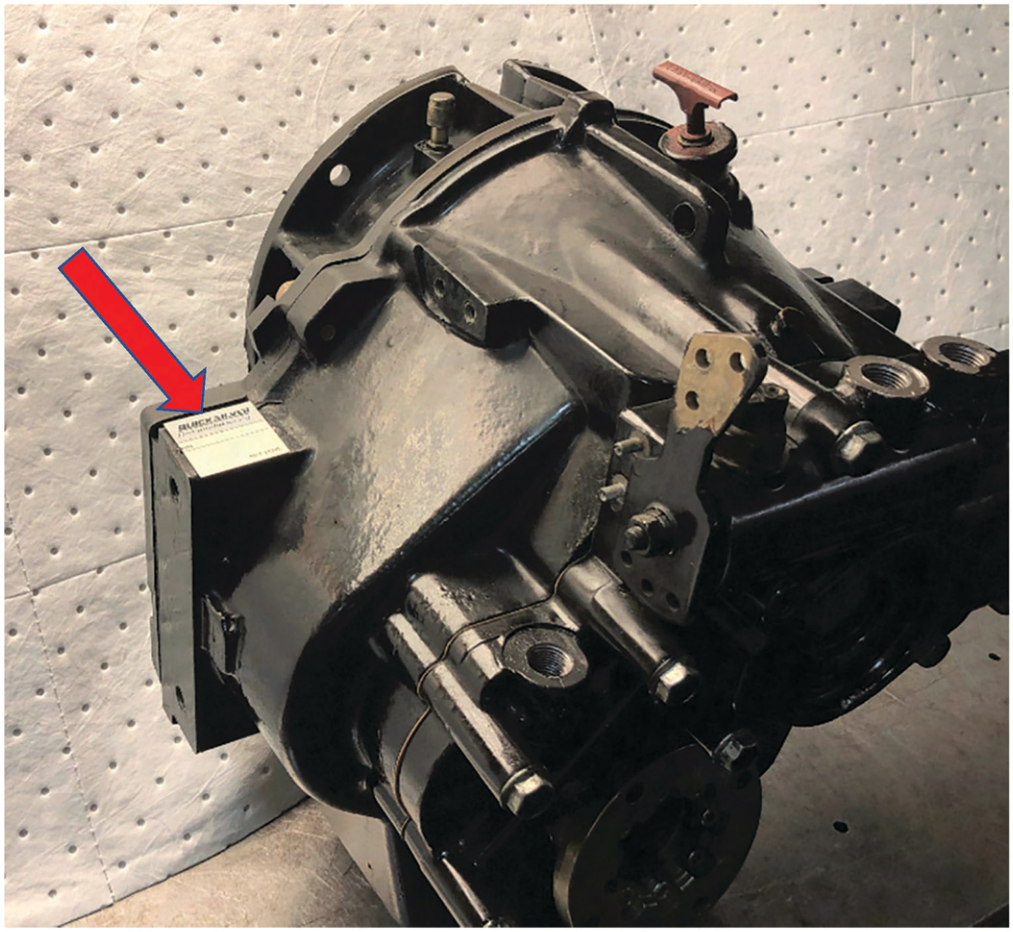
Completely dressed, brand new V-Drive Inboard Transmission. Includes oil cooler, hoses and mounting harware.
This is a Full Power Reverse Transmission for use with Standard (Right Hand) Rotation Engines

Replaces ZF / Hurth HSW630V1 Transmission with 2.50:1 Gear Ratio.

SERIAL TAG LOCATION-TRANSMISSIONS

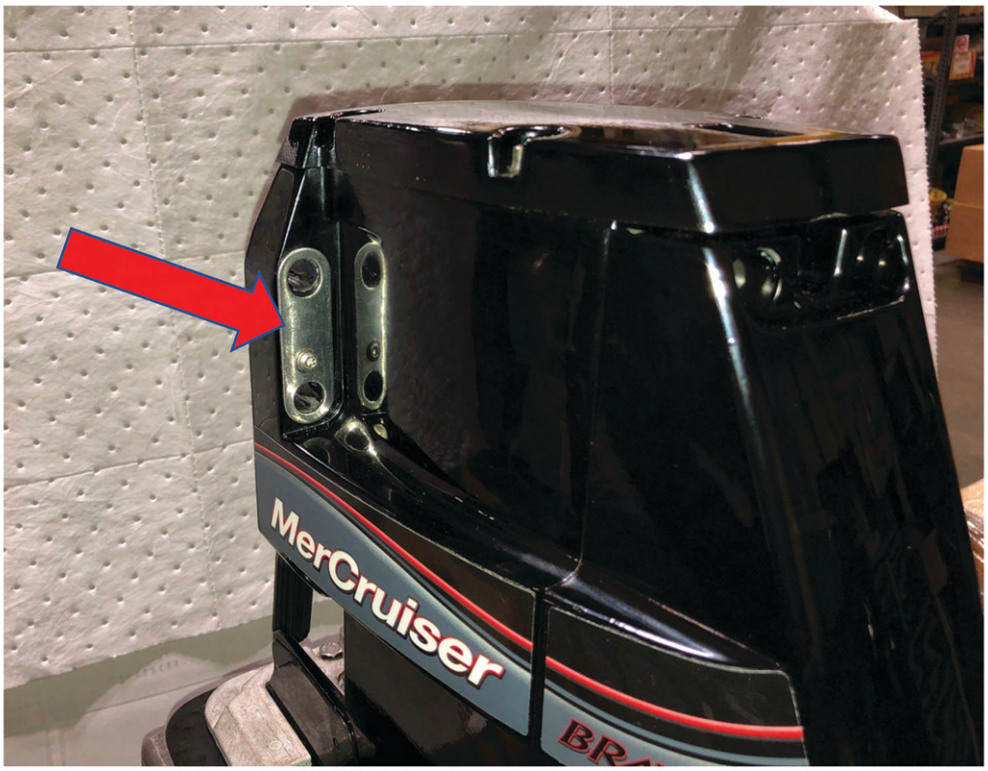
Serial tag location for transmissions





SERIAL TAG LOCATION-STERNDRIVES

Serial tag location – Bravo drive



PROPELLERS FOR PLUS SERIES ENGINES

Many Plus Series engines feature special parts that enhance power and torque compared to legacy MerCruiser products. As a result, there are some cases where the online prop selector may not be precise enough, or it may be difficult trying to determine what engine, gear ratio, and drive combination to use for replacing engine models that are no longer available.

The following propeller charts were calculated using the enhanced torque curves of the Plus Series engines. The charts are also presented in an "Old School" fashion rarely seen anymore that will help to compare expected performance based on boat weight, gear ratio, and engine type in a series of look-up charts. There is no need to guess, with Quicksilver props it is right the first time.



WIDE OPEN THROTTLE - RPM

Wide Open Throttle - RPM

It is essential for the health of the engine and overall boating enjoyment to prop a boat correctly. Not doing so will limit the boat performance, consume more fuel, and severely shorten the useful life of the engine.

NOTE: As a boat is used it generally becomes heavier. This pulls down the engine speed. If the boat is at the bottom of the RPM range when tested, then additional loading reduces engine speed below the recommended propping range. Continued operation at too low of an engine speed due to overpropping will result in severe engine damage that is not covered by the limited warranty. As a practical matter any choices made to not test and equip a boat within the recommended RPM range is a choice to potentially forfeit limited warranty coverage.

1. Please be sure to include consideration for prop testing, changes, and gear ratio adjustments when budgeting a repower.
2. Gather information about the boat & engine: boat weight (light & heavy), boat speed, engine type, engine HP, & # of engines.
3. Begin selection by determining the gear ratio to use in the attached charts based upon engine & boat type.
4. Select a prop by using the online prop selector for Mercury & MerCuiser products, or the prop charts in this book for the Mercury Remanufactured and Quicksilver Plus Series engines.

   NOTE: The following two steps are essential for correct propping. Run the engine repeatedly at WOT for a few seconds, even before break-in, to verify prop selection.

5. Test the prop by running WOT, and target the RPM in the test at the very top of the normal operating range.
6. Change prop pitch as necessary to get to a higher engine speed (RPM), if in doubt use the lower pitch prop.

The recommended WOT RPM ranges are listed in the following table:

MerCruiser, Mercury Remanufacturing & Quicksilver Engine Model	WOT RPM Range
3.0L, 4.3L 4V Alpha	4400-4800
350 Mag MPI Alpha & Bravo	4600-5000
383 Mag Stroker MPI & 383 MPI FWC	4800-5200
496 Bravo	4400-4800
496 H.O. Bravo	4600-5000
409 MPI Bravo	5000-5800
350 Horizon Inboard	4400-4800
383 Mag Stroker Inboard	4600-5000
8.1L Horizon	4200-4600
4.5L Alpha -200	4400-4800
4.5L Bravo - 250	4800-5200
6.2L Bravo/Inboard/Tow Sport - 300, 320, 350 & 370	5000-5400
8.2L MPI Inboard - 375	4200-4600
8.2L MPI Inboard - 425	4400-4800
8.2L MPI Bravo - 380 (2A184329 & Below / ECT 2A184339 & Below)	4400-4800
8.2L MPI Bravo - 380 (2A184330 & Up / ECT 2A184340 & Up)	4600-5000
8.2L MPI Bravo - 430	4600-5000

3.0L ENGINES

Plus Series - 3.0L TKS Alpha - (135 HP) - Inline-4 Alpha

Propellers - For Single Engine Boats
WOT: 4400-4800 RPM, Standard Gear Ratio 2.00:1
High Altitude (5,000+ ft.) Gear Ratio: 2.40:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	11	3	Aluminum	7000+	House/Work	1-16
16.00	12	3	Aluminum	6000+	House/Work	10-19
16.00	13	3	Aluminum	4800-8700	23-29'	13-22
16.00	14	3	Aluminum	4400-7400	22-28'	15-24
15.50	15	3	Aluminum	3800-6100	21-26'	18-27
16.00	16	3	Aluminum	3400-5100	20-25'	21-30
15.00	17	3	Aluminum	3200-4400	20-23'	24-32
15.50	18	3	Aluminum	2900-4000	19-23'	26-35
14.50	19	3	Aluminum	2700-3500	18-22'	29-37
14.25	21	3	Aluminum	2300-2900	17-20'	35-42
14.00	23	3	Aluminum	2100-2500	16-19'	40-47
14.00	17	4	Aluminum	3200-4400	20-23'	24-32
14.00	19	4	Aluminum	2700-3500	18-22'	29-37
14.00	21	4	Aluminum	2300-2900	17-20'	35-42
14.00	23	4	Aluminum	2100-2500	16-19'	40-47
14.50	17	3	Stainless Steel	3200-4400	20-23'	24-32
14.00	19	3	Stainless Steel	2700-3500	18-22'	29-37
13.75	21	3	Stainless Steel	2300-2900	17-20'	35-42
13.50	23	3	Stainless Steel	2100-2500	16-19'	40-47

4.3L ENGINES

Plus Series - 4.3L Alpha 4V - (225 HP) - V6 Alpha

Propellers - For Single Engine Boats
WOT: 4400-4800 RPM, Standard Gear Ratio 1.62:1
High Altitude (5,000+ ft.) Gear Ratio: 1.81:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	11	3	Aluminum	7000+	House/Work	1-23
16.00	12	3	Aluminum	6000+	House/Work	17-27
16.00	13	3	Aluminum	5700-8500	25-29'	21-30
16.00	14	3	Aluminum	5100-7300	24-28'	24-33
15.50	15	3	Aluminum	4600-6100	23-26'	28-36
16.00	16	3	Aluminum	4200-5500	22-25'	31-39
15.00	17	3	Aluminum	3900-4800	22-24'	35-42
15.50	18	3	Aluminum	3600-4300	21-23'	38-45
14.50	19	3	Aluminum	3200-4000	20-23'	41-49
14.25	21	3	Aluminum	3000-3400	19-21'	47-54
14.00	23	3	Aluminum	2600-3000	18-20'	52-59
14.00	17	4	Aluminum	3900-4800	22-24'	35-42
14.00	19	4	Aluminum	3200-4000	20-23'	41-49
14.00	21	4	Aluminum	3000-3400	19-21'	47-54
14.00	23	4	Aluminum	2600-3000	18-20'	52-59
13.50	17	5	Stainless Steel	3900-4800	22-24'	35-42
13.25	19	5	Stainless Steel	3200-4000	20-23'	41-49
13.25	21	5	Stainless Steel	3000-3400	19-21'	47-54

PROPELLERS FOR PLUS SERIES ENGINES

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
14.50	17	3	Stainless Steel	3900-4800	22-24'	35-42
14.00	19	3	Stainless Steel	3200-4000	20-23'	41-49
13.75	21	3	Stainless Steel	3000-3400	19-21'	47-54
13.50	23	3	Stainless Steel	2600-3000	18-20'	52-59

350 ALPHA ENGINES

Plus Series - 350 MPI Alpha - (300 HP) - V8 Alpha

Propellers - For Single Engine Boats
WOT: 4600-5000 RPM, Standard Gear Ratio 1.47:1
High Altitude (5,000+ ft.) Gear Ratio: 1.62:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	11	3	Aluminum	8000+	House/Work	1-29
16.00	12	3	Aluminum	7000+	House/Work	24-32
16.00	13	3	Aluminum	5900-7900	25-28'	28-36
16.00	14	3	Aluminum	5400-6800	24-27'	32-39
15.50	15	3	Aluminum	4900-5900	23-26'	36-43
16.00	16	3	Aluminum	4500-5400	23-25'	39-46
15.00	17	3	Aluminum	4200-4900	22-24'	43-49
15.50	18	3	Aluminum	3900-4500	22-24'	46-52
14.50	19	3	Aluminum	3600-4100	21-23'	50-57
14.25	21	3	Aluminum	3200-3800	20-22'	55-62
14.00	23	3	Aluminum	2900-3400	Uo to 21'	60-68
14.50	17	3	Stainless Steel	4200-4900	22-24'	43-49
14.00	19	3	Stainless Steel	3600-4100	21-23'	50-57
13.75	21	3	Stainless Steel	3200-3800	20-22'	55-62
13.50	23	3	Stainless Steel	2900-3400	Up to 21'	60-68
14.00	17	4	Aluminum	4200-4900	22-24'	43-49
14.00	19	4	Aluminum	3600-4100	21-23'	50-57
14.00	21	4	Aluminum	3200-3800	20-22'	55-62
14.00	23	4	Aluminum	2900-3400	Up to 21'	60-68
13.50	17	5	Stainless Steel	4200-4900	22-24'	43-49
13.25	19	5	Stainless Steel	3600-4100	21-23'	50-57
13.25	21	5	Stainless Steel	3200-3800	20-22'	55-62

350 MPI BRAVO ONE

Plus Series - 350 MPI Bravo - (300 HP) - V8 Bravo One

Propellers - For Single Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 1.65:1
High Altitude (5,000+ ft.) Gear Ratio: NA
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
15.75	15	3	Stainless Steel	6500-8100	26-29	32-39
15.50	17	3	Stainless Steel	5500-6500	24-27	39-45
15.25	19	3	Stainless Steel	4800-5500	23-25	45-51
14.75	21	3	Stainless Steel	4200-4800	22-24	51-57
15.25	22	3	Stainless Steel	4000-4500	22-24	54-60
14.63	23	3	Stainless Steel	3800-4200	21-23	57-62
15.25	24	3	Stainless Steel	3600-4000	21-23	60-65

Plus Series - 350 MPI Bravo - (300 HP) - V8 Bravo One

Propellers - For Twin Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 1.50:1
High Altitude (5,000+ ft.) Gear Ratio: 1.65:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
15.75	15	3	Stainless Steel	10400-13000	30-32	37-44
15.50	17	3	Stainless Steel	8800-10400	28-31	44-50
15.25	19	3	Stainless Steel	7500-8500	27-29	51-56
14.75	21	3	Stainless Steel	6300-7300	25-28	57-63
15.25	22	3	Stainless Steel	5800-6800	25-27	60-66
14.63	23	3	Stainless Steel	5400-6300	24-26	63-69
15.25	24	3	Stainless Steel	4900-5800	23-26	66-73

350 MPI BRAVO THREE

Plus Series - 350 MPI Bravo - (300 HP) - V8 Bravo Three

Propellers - For Single Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 2.20:1
High Altitude (5,000+ ft.) Gear Ratio: 2.43:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	19	4	Stainless Steel	6900-9000	26-29	29-37
14.40	19	3	Stainless Steel	6900-9000	26-29	29-37
16.00	20	4	Stainless Steel	6500-8100	26-29	32-39
14.40	20	3	Stainless Steel	6500-8100	26-29	32-39
15.90	21	4	Stainless Steel	6100-7500	25-28	34-41
14.30	21	3	Stainless Steel	6100-7500	25-28	34-41
15.75	22.5	4	Stainless Steel	5500-6600	24-27	38-45
14.25	22.5	3	Stainless Steel	5500-6600	24-27	38-45
15.50	24	4	Stainless Steel	5100-5900	24-26	42-48
14.25	24	3	Stainless Steel	5100-5900	24-26	42-48
15.25	26	4	Stainless Steel	4600-5200	23-25	47-53
13.75	26	3	Stainless Steel	4600-5200	23-25	47-53
15.00	28	4	Stainless Steel	4200-4800	22-24	51-57
13.50	28	3	Stainless Steel	4200-4800	22-24	51-57

Plus Series - 350 MPI Bravo - (300 HP) - V8 Bravo Three

Propellers - For Twin Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 2.00:1
High Altitude (5,000+ ft.) Gear Ratio: 2.20:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	19	4	Stainless Steel	13000-17400	31-35	29-37
14.40	19	3	Stainless Steel	13000-17400	31-35	29-37
16.00	20	4	Stainless Steel	12100-15500	31-34	32-39
14.40	20	3	Stainless Steel	12100-15500	31-34	32-39
15.90	21	4	Stainless Steel	11400-14400	30-33	34-41
14.30	21	3	Stainless Steel	11400-14400	30-33	34-41
15.75	22.5	4	Stainless Steel	10100-12500	29-32	38-45
14.25	22.5	3	Stainless Steel	10100-12500	29-32	38-45
15.50	24	4	Stainless Steel	9300-11000	29-31	42-48
14.25	24	3	Stainless Steel	9300-11000	29-31	42-48
15.25	26	4	Stainless Steel	8100-9500	28-30	47-53
13.75	26	3	Stainless Steel	8100-9500	28-30	47-53
15.00	28	4	Stainless Steel	7300-8500	27-29	51-57

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
13.50	28	3	Stainless Steel	7300-8500	27-29	51-57

357 ALPHA ENGINES

Plus Series – 357 Alpha 4V – (275 HP) – V8 Alpha

Propellers - For Single Engine Boats
WOT: 4400-4800 RPM, Standard Gear Ratio 1.47:1
High Altitude (5,000+ ft.) Gear Ratio: 1.62:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	11	3	Aluminum	8500+	House/Work	1-27
16.00	12	3	Aluminum	7000+	House/Work	22-31
16.00	13	3	Aluminum	6700-9000	26-29'	26-34
16.00	14	3	Aluminum	5900-8000	25-28'	29-38
15.50	15	3	Aluminum	5400-6900	24-27'	33-41
16.00	16	3	Aluminum	5000-6100	24-26'	37-44
15.00	17	3	Aluminum	4600-5600	23-25'	40-47
15.50	18	3	Aluminum	4300-5000	22-25'	44-50
14.50	19	3	Aluminum	4000-4600	22-24'	47-54
14.25	21	3	Aluminum	3500-4200	21-23'	52-60
14.00	23	3	Aluminum	3200-3700	Up to 22'	58-65
14.00	17	4	Aluminum	4600-5600	23-25'	40-47
14.00	19	4	Aluminum	4000-4600	22-24'	47-54
14.00	21	4	Aluminum	3500-4200	21-23'	52-60
14.00	23	4	Aluminum	3200-3700	Up to 22'	58-65
13.50	17	5	Stainless Steel	4600-5600	23-25'	40-47
13.25	19	5	Stainless Steel	4000-4600	22-24'	47-54
13.25	21	5	Stainless Steel	3500-4200	21-23'	52-60
14.50	17	3	Stainless Steel	4600-5600	23-25'	40-47
14.00	19	3	Stainless Steel	4000-4600	22-24'	47-54
13.75	21	3	Stainless Steel	3500-4200	21-23'	52-60
13.50	23	3	Stainless Steel	3200-3700	Up to 22'	58-65

357 MAG BRAVO ONE

Plus Series – 357 MAG Bravo 4V – (325 HP) – V8 Bravo One

Propellers - For Single Engine Boats
WOT: 4400-4800 RPM, Standard Gear Ratio 1.50:1
High Altitude (5,000+ ft.) Gear Ratio: 1.65:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
15.75	15	3	Stainless Steel	6000-7700	25-28'	32-40
15.50	17	3	Stainless Steel	5100-6200	24-26'	39-46
15.25	19	3	Stainless Steel	4500-5100	23-25'	46-52
14.75	21	3	Stainless Steel	3800-4500	22-24'	52-58
14.63	23	3	Stainless Steel	3600-4000	Up to 23'	56-63
13.50	17	5	Stainless Steel	5100-6200	24-26'	39-46
13.25	19	5	Stainless Steel	4500-5100	23-25'	46-52
13.25	21	5	Stainless Steel	3800-4500	22-24'	52-58

Plus Series - 357 MAG Bravo 4V - (325 HP) - V8 Bravo One (Twin Engine)

Propellers - For Twin Engine Boats
WOT: 4400-4800 RPM, Standard Gear Ratio 1.50:1
High Altitude (5,000+ ft.) Gear Ratio: 1.65:1
Right & Left Hand Rotation Required for Twins

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
15.75	15	3	Stainless Steel	12000-15400	31-34'	32-41
15.50	17	3	Stainless Steel	10000-12300	29-32'	39-47
15.25	19	3	Stainless Steel	8800-10300	28-30'	45-53
14.75	21	3	Stainless Steel	7800-9000	27-29'	51-58
14.63	23	3	Stainless Steel	7200-8000	Up to 28'	56-63

357 MAG BRAVO THREE

Plus Series - 357 MAG Bravo 4V - (325 HP) - V8 Bravo Three

Propellers - For Single Engine Boats
WOT: 4400-4800 RPM, Standard Gear Ratio 2.20:1
High Altitude (5,000+ ft.) Gear Ratio: 2.43:1

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	20	4	Stainless Steel	7000-9300	26-30'	27-35
14.38	20	3	Stainless Steel	7000-9300	26-30'	27-35
15.75	22	4	Stainless Steel	6000-7700	25-28'	32-40
14.25	22	3	Stainless Steel	6000-7700	25-28'	32-40
15.50	24	4	Stainless Steel	5400-6500	24-27'	37-44
14.25	24	3	Stainless Steel	5400-6500	24-27'	37-44
15.25	26	4	Stainless Steel	4900-5800	23-26'	41-48
14.00	26	3	Stainless Steel	4900-5800	23-26'	41-48
15.00	28	4	Stainless Steel	4500-5100	Up to 25'	46-52
13.75	28	3	Stainless Steel	4500-5100	Up to 25'	46-52

Plus Series - 357 MAG Bravo 4V - (325 HP) - V8 Bravo Three

Propellers - For Twin Engine Boats
WOT: 4400-4800 RPM, Standard Gear Ratio 2.00:1
High Altitude (5,000+ ft.) Gear Ratio: 2.20:1

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	20	4	Stainless Steel	11200-14700	30-33'	32-40
14.38	20	3	Stainless Steel	11200-14700	30-33'	32-40
15.75	22	4	Stainless Steel	9600-12300	29-32'	37-45
14.25	22	3	Stainless Steel	9600-12300	29-32'	37-45
15.50	24	4	Stainless Steel	8500-10500	28-31'	42-49
14.25	24	3	Stainless Steel	8500-10500	28-31'	42-49
15.25	26	4	Stainless Steel	7700-9000	27-29'	47-53
14.00	26	3	Stainless Steel	7700-9000	27-29'	47-53
15.00	28	4	Stainless Steel	6700-7900	Up to 28'	52-58
13.75	28	3	Stainless Steel	6700-7900	Up to 28'	52-58

383 MAG BRAVO ONE

Plus Series - 383 MAG Bravo 4V - (350 HP) - V8 Bravo One

Propellers - For Single Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 1.50:1
High Altitude (5,000+ ft.) Gear Ratio: 1.65:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
15.75	15	3	Stainless Steel	5800-7300	25-28'	37-45
15.5	17	3	Stainless Steel	5000-6000	24-26'	43-52
15.25	19	3	Stainless Steel	4600-5200	23-25'	50-58
14.75	21	3	Stainless Steel	3900-4400	22-24'	56-64
14.63	23	3	Stainless Steel	3600-4100	Up to 23'	62-69
13.5	17	5	Stainless Steel	5000-6000	24-26'	43-52
13.25	19	5	Stainless Steel	4600-5200	23-25'	50-58
13.25	21	5	Stainless Steel	3900-4400	22-24'	56-64

Plus Series - 383 MAG Bravo 4V - (350 HP) - V8 Bravo One

Propellers - For Single Engine Boats
WOT: 4800-5200 RPM, Alternate Sea Level Gear Ratio 1.65:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
15.75	15	3	Stainless Steel	6700-8600	26-29'	32-39
15.50	17	3	Stainless Steel	5600-7000	25-27'	39-46
15.25	19	3	Stainless Steel	5000-5800	24-26'	44-52
14.75	21	3	Stainless Steel	4400-5200	23-25'	50-58
14.63	23	3	Stainless Steel	4100-4600	Up to 24'	56-62
13.50	17	5	Stainless Steel	5600-7000	25-27'	39-46
13.25	19	5	Stainless Steel	5000-5800	24-26'	44-52
13.25	21	5	Stainless Steel	4400-5200	23-25'	50-58

Plus Series - 383 MAG Bravo 4V - (350 HP) - V8 Bravo One

Propellers - For Twin Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 1.50:1
High Altitude (5,000+ ft.) Gear Ratio: 1.65:1
Right & Left Hand Rotation Required for Twins

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
15.75	15	3	Stainless Steel	11000-13900	30-33'	37-45
15.50	17	3	Stainless Steel	9200-11200	29-31'	43-52
15.25	19	3	Stainless Steel	7800-9400	27-30'	50-58
14.75	21	3	Stainless Steel	6700-8000	26-28'	56-64
14.63	23	3	Stainless Steel	5900-6900	Up to 27'	62-69

383 MAG BRAVO THREE

Plus Series - 383 MAG Bravo 4V - (350 HP) - V8 Bravo Three

Propellers - For Single Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 1.81:1
High Altitude (5,000+ ft.) Gear Ratio: 2.00:1

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	20	4	Stainless Steel	5300-6200	24-26'	43-49
14.38	20	3	Stainless Steel	5300-6200	24-26'	43-49
15.75	22	4	Stainless Steel	4800-5500	23-25'	48-54
14.25	22	3	Stainless Steel	4800-5500	23-25'	48-54
15.50	24	4	Stainless Steel	4300-4800	22-24'	54-59
14.25	24	3	Stainless Steel	4300-4800	22-24'	54-59
15.25	26	4	Stainless Steel	3800-4300	22-23'	59-65
14.00	26	3	Stainless Steel	3800-4300	22-23'	59-65
15.00	28	4	Stainless Steel	3600-4000	Up to 23'	64-70
13.75	28	3	Stainless Steel	3600-4000	Up to 23'	64-70

Plus Series - 383 MAG Bravo 4V - (350 HP) - V8 Bravo Three

Propellers - For Single Engine Boats
WOT: 4800-5200 RPM, Alternate Sea Level Gear Ratio 2.20:1
High Altitude (5,000+ ft.) Gear Ratio: 2.43:1

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	20	4	Stainless Steel	6900-8600	26-30'	32-39
14.38	20	3	Stainless Steel	6900-8600	26-30'	32-39
15.75	22	4	Stainless Steel	6000-7300	25-28'	37-44
14.25	22	3	Stainless Steel	6000-7300	25-28'	37-44
15.50	24	4	Stainless Steel	5500-6300	24-26'	42-49
14.25	24	3	Stainless Steel	5500-6300	24-26'	42-49
15.25	26	4	Stainless Steel	4900-5600	23-26'	47-53
14.00	26	3	Stainless Steel	4900-5600	23-26'	47-53
15.00	28	4	Stainless Steel	4500-5100	Up to 25'	51-57
13.75	28	3	Stainless Steel	4500-5100	Up to 25'	51-57

Plus Series - 383 MAG Bravo 4V - (350 HP) - V8 Bravo Three

Propellers - For Twin Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 1.81:1
High Altitude (5,000+ ft.) Gear Ratio: 2.00:1

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	20	4	Stainless Steel	9700-11500	29-31'	43-49
14.38	20	3	Stainless Steel	9700-11500	29-31'	43-49
15.75	22	4	Stainless Steel	8400-9900	28-30'	47-56
14.25	22	3	Stainless Steel	8400-9900	28-30'	47-56
15.50	24	4	Stainless Steel	7400-8600	27-29'	54-60
14.25	24	3	Stainless Steel	7400-8600	27-29'	54-60
15.25	26	4	Stainless Steel	6400-7600	26-28'	58-66
14.00	26	3	Stainless Steel	6400-7600	26-28'	58-66
15.00	28	4	Stainless Steel	5700-6600	Up to 27'	64-70
13.75	28	3	Stainless Steel	5700-6600	Up to 27'	64-70

383 STROKER BRAVO ONE AND THREE

Plus Series - 383 MAG STROKER - (350 HP) - V8 Bravo One

Quicksilver Propellers - For Single Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 1.65:1
Right Hand Rotation Standard

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
15.75	15	3	Stainless Steel	6000-7700	25-28'	32-40
15.50	17	3	Stainless Steel	5100-6200	24-26'	39-46
15.25	19	3	Stainless Steel	4500-5100	23-25'	46-52
14.75	21	3	Stainless Steel	3800-4500	22-24'	52-58
14.63	23	3	Stainless Steel	3600-4000	Up to 23'	56-63
13.50	17	5	Stainless Steel	5100-6200	24-26'	39-46
13.25	19	5	Stainless Steel	4500-5100	23-25'	46-52
13.25	21	5	Stainless Steel	3800-4500	22-24'	52-58

Plus Series - 383 Stroker MPI - (350 HP) - V8 Bravo One

Quicksilver Propellers - For Twin Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 1.50:1
High Altitude (5,000+ ft.) Gear Ratio: 1.65:1
Right & Left Hand Rotation Required for Twins

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
15.75	15	3	Stainless Steel	10200-13200	30-33'	37-45
15.50	17	3	Stainless Steel	8700-10600	28-31'	43-52
15.25	19	3	Stainless Steel	7400-8900	27-29'	50-58
14.75	21	3	Stainless Steel	6300-7600	26-28'	56-64
14.63	23	3	Stainless Steel	5500-6500	Up to 27'	62-69

Plus Series - 383 Stroker MPI - (350 HP) - V8 Bravo Three

Propellers - For Single Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 2.20:1
High Altitude (5,000+ ft.) Gear Ratio: 2.43:1

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	20	4	Stainless Steel	6600-8200	26-30'	32-39
14.38	20	3	Stainless Steel	6600-8200	26-30'	32-39
15.75	22	4	Stainless Steel	5700-7000	25-27'	37-44
14.25	22	3	Stainless Steel	5700-7000	25-27'	37-44
15.50	24	4	Stainless Steel	5200-6000	24-26'	42-49
14.25	24	3	Stainless Steel	5200-6000	24-26'	42-49
15.25	26	4	Stainless Steel	4600-5300	23-25'	47-53
14.00	26	3	Stainless Steel	4600-5300	23-25'	47-53
15.00	28	4	Stainless Steel	4300-4900	Up to 24'	51-57
13.75	28	3	Stainless Steel	4300-4900	Up to 24'	51-57

Plus Series - 383 Stroker MPI - (350 HP) - V8 Bravo Three

Propellers - For Twin Engine Boats
WOT: 4800-5200 RPM, Standard Gear Ratio 2.00:1
High Altitude (5,000+ ft.) Gear Ratio: 2.20:1

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16	20	4	Stainless Steel	10600-13200	30-33'	32-39
14.38	20	3	Stainless Steel	10600-13200	30-33'	32-39
15.75	22	4	Stainless Steel	9200-11200	29-31'	42-49
14.25	22	3	Stainless Steel	9200-11200	29-31'	42-49
15.5	24	4	Stainless Steel	8200-9400	28-30'	48-53

Diameter (inches)	Pitch (inches)	Blades	Material	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
14.25	24	3	Stainless Steel	8200-9400	28-30'	48-53
15.25	26	4	Stainless Steel	7200-8500	27-29'	52-58
14	26	3	Stainless Steel	7200-8500	27-29'	52-58
15	28	4	Stainless Steel	6400-7400	Up to 28'	57-63
13.75	28	3	Stainless Steel	6400-7400	Up to 28'	57-63

409 MPI BRAVO ONE AND THREE

Plus Series - 409 MPI Bravo One X

Propellers - For Single Engine Boats
WOT: 5000-5800 RPM, Gear Ratio 1.65:1
No High Altitude Ratio available

Pitch (inches)	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
20	5200-6400	24-27'	51-61
21	4900-6000	23-26'	54-64
22	4700-5600	23-25'	57-67
23	4400-5300	22-25'	60-71
24	4200-5000	22-25'	63-74
25	3900-4800	22-24'	65-78
26	3700-4600	21-24'	68-82
27	3600-4400	21-23'	71-85
28	3400-4200	Up to 23'	74-88

Plus Series - 409 MPI Bravo One X

Propellers - For Twin Engine Boats
WOT: 5000-5800 RPM, Gear Ratio 1.65:1
No High Altitude Ratio available

Pitch (inches)	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
20	9200-11700	29-32'	51-61
21	8600-10900	28-31'	54-64
22	8000-10100	27-30'	57-67
23	7400-9400	27-30'	60-71
24	6900-8800	26-29'	63-74
25	6300-8400	25-29'	65-78
26	5800-7800	25-28'	68-82
27	5500-7400	24-28'	71-85
28	5100-6900	Up to 27'	74-88

Plus Series - 409 MPI Bravo Three X

Propellers - For Single Engine Boats
WOT: 5000-5800 RPM, Gear Ratio 2.20:1
High Altitude (5,000+ ft.) Gear Ratio: 2.43:1

Diameter (inches)	Pitch (inches)	Blades	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	19	4	8000+	28+	31-42
14.40	19	3	8000+	28+	31-42
16.00	20	4	7500-10000	27-31'	34-44
14.40	20	3	7500-10000	27-31'	34-44
15.90	21	4	7000-9100	26-30'	37-47
14.30	21	3	7000-9100	26-30'	37-47
15.75	22.5	4	6400-8100	26-29'	41-51
14.25	22.5	3	6400-8100	26-29'	41-51
15.50	24	4	6000-7500	25-28'	44-54
14.00	24	3	6000-7500	25-28'	44-54
15.25	26	4	5400-6700	24-27'	49-59
13.75	26	3	5400-6700	24-27'	49-59
15.00	28	4	4900-6000	Up to 26'	54-64
13.50	28	3	4900-6000	Up to 26'	54-64

Plus Series - 409 MPI Bravo Three X

Propellers - For Twin Engine Boats
WOT: 5000-5800 RPM, Gear Ratio 2.20:1
High Altitude (5,000+ ft.) Gear Ratio: 2.43:1

Diameter (inches)	Pitch (inches)	Blades	Approx. Gross Boat Wgt. (lbs.)	Approx. Boat Length (ft.)	Speed Range (mph)
16.00	19	4	15000+	35+	31-42
14.40	19	3	15000+	35+	31-42
16.00	20	4	14200-19400	33-37'	34-44
14.40	20	3	14200-19400	33-37'	34-44
15.90	21	4	13000-17500	32-35'	37-47
14.30	21	3	13000-17500	32-35'	37-47
15.75	22.5	4	11700-15500	31-34'	41-51
14.25	22.5	3	11700-15500	31-34'	41-51
15.50	24	4	10900-14200	30-33'	44-54
14.00	24	3	10900-14200	30-33'	44-54
15.25	26	4	9600-12300	29-32'	49-59
13.75	26	3	9600-12300	29-32'	49-59
15.00	28	4	8600-10900	Up to 30'	54-64
13.50	28	3	8600-10900	Up to 30'	54-64

CROSS REFERENCE CHARTS

ENGINE LONGBLOCK CROSS REFERENCE CHARTS

MerCruiser 3.0L / 181 Longblock

New Quicksilver P/N	Reman Pro-Series
87956A 1	N/A
87959A 1	N/A
805047A 1	N.L.A.
815510A 1	NLA
805052A 1	NLA
855401A 1	N/A
861633A 1	N/A
862065A 1	N/A
862755A 1	N/A
862755A 2	N/A
863814A 1	N/A
864626A01	N/A
864626A02	N/A

MerCruiser 3.7L / 470 Longblock

New Quicksilver P/N	Reman Pro-Series
72775A 3	N.L.A.
72775A10	N.L.A.
72775A14	N.L.A.
72775A16	N.L.A.

MerCruiser 4.3L / 262 Longblock

New Quicksilver P/N	Reman Pro-Series
9556	NLA
9690	NLA
12178A 1	NLA
12179A 1	NLA
13409A 1	NLA
13410A 1	NLA
14148A 1	NLA
14149A 1	NLA
807735A 1	8M0188293
861730A 1	8M0188293
862756A 1	8M0188293
862757A 1	N/A
864256A 1	8M0188294
806346A 1	8M0188292
806347A 1	8M0188292
879150A31	N/A

MerCruiser 5.0L / 305 Longblock

New Quicksilver P/N	Reman Pro-Series
14153A 1	NLA
805636A 1	NLA
861447A 1	N.L.A.
862068A 1	N.L.A.
862758A 1	N.L.A.
863660A 1	N.L.A.
863660A 2	N/A
864651A01	N.L.A.

MerCruiser 5.7L / 350 Longblock

New Quicksilver P/N	Reman Pro-Series
70867A 4	N.L.A.
73131A 3	N.L.A.
76211A 4	N.L.A.
78757A 3	N.L.A.
85400A 1	N.L.A.
87971A 1	N.L.A.
13415A 1	N.L.A.
14152A 1	NLA
14155A 1	NLA
14156A 1	N.L.A.
860186A 2	N.L.A.
864652A01	8M0187365
821151A 1	8M0187371
807447A 1	8M0187371
806801A 1	8M0187371
807449A 1	8M0187365
862070A 2	8M0187365
862760A 2	8M0187365
863661A 1	8M0187365
807315A 1	NLA
860183A 1	8M0187371
807448A 1	8M0187371
863661A 2	N/A
864652A01	8M0187365
866138A03	N/A
866138A05	N/A

MerCruiser 6.2L / 377 Longblock

New Quicksilver P/N	Reman Pro-Series
862760A 5	N.L.A.
862760A 4	N.L.A.
865108A01	N.L.A.
863851A 3	N/A
865108A02	N/A
879288A06	N/A

MerCruiser 7.4L / 454 Longblock

New Quicksilver P/N	Reman Pro-Series
78764A 4	N.L.A.
85403A 1	N.L.A.
87974A 1	N.L.A.
15891A 1	N.L.A.
18706A 1	N.L.A.
76279A 3	N.L.A.
78526A 3	N.L.A.
85420A 1	N.L.A.
87989A 1	N.L.A.

New Quicksilver P/N	Reman Pro-Series
76280A 3	N.L.A.
78527A 3	N.L.A.
85423A 1	N.L.A.
87992A 1	N.L.A.
818243A 1	N.L.A.
806352A 1	N.L.A.
806360A 1	N.L.A.
807744A 1	N.L.A.
807744A 3	N.L.A.
818242R 1	NLA
806351A 1	NLA
807162A 1	N.L.A.
807739A 1	N.L.A.
861097A 1	NLA
861097A 2	NLA
807161A 1	NLA
805540A 1	NLA
806359A 1	NLA

MerCruiser 8.1L / 496 Longblock

New Quicksilver P/N	Reman Pro-Series
862762A 1	NLA
863815A 1	NLA
863815A02	NLA
865273A01	NLA
865519A01	NLA
865752A01	NLA
862764A 1	8M0187378
863817A 1	8M0187378
863817A02	8M0187378
865275A01	8M0187378
865521A01	8M0187378
865754A01	8M0187378

MerCruiser 8.2L / 502 Longblock

New Quicksilver P/N	Reman Pro-Series
805539A 1	NLA
806353A 1	NLA
806361A 1	NLA
807745A 1	NLA
807745A 3	NLA
807745A05	NLA
841178A 1	N.L.A.
841178A05	N.L.A.
844200A08	N.L.A.
844500A 8	N.L.A.
844575A 7	N.L.A.
848170R09	N.L.A.
8M0045344	N/A

DRIVESHAFT HOUSING CROSS REFERENCE CHARTS

MerCruiser Driveshaft Housings

New P/N	Reman P/N
5523A 2	N.L.A.
8265A15	N.L.A.
9412A20	N.L.A.
9412A22	N.L.A.
861063A10	N.L.A.
815930A15	N.L.A.
815930A 5	N.L.A.
861063A 8	N.L.A.
815930A14	N.L.A.
815930A 4	N.L.A.
861063A 6	N.L.A.
815930A13	N.L.A.
815930A 3	N.L.A.
863836A50	1589-863836A50
8868G93	1589-863836A50
8868G63	1589-863836A50
863836A51	1589-863836A51
8868G19	1589-863836A51
8868G11	1589-863836A51
863836A52	1589-863836A52
8868H88	1589-863836A52
8868G17	1589-863836A52
863836A67	1589-863836A67
863836A54	1589-863836A67
8868H82	1589-863836A67
863836A56	N.L.A.
8868H80	N.L.A.

MERCRUISER GEAR HOUSING CROSS REFERENCE CHART

MerCruiser Gear Housing Assembly

New P/N	Reman P/N
4110A 4	N.L.A.
4110A 6	N.L.A.
815822A 5	N.L.A.
815822A 7	N.L.A.
815822A32	N.L.A.
815822A33	N.L.A.
815822A43	N.L.A.
815822A47	N.L.A.
815822A53	N.L.A.
8294A16	1641- 8294A16
8866A15	1656- 8866A63
8866A20	1656-8M0046738
8866A35	1656-8M0046738
8866A63	1656- 8866A63
8866A67	1656-8M0046738
8866G04	1656-8M0046738
8951A23	N.L.A.

New P/N	Reman P/N
8951A26	N.L.A.
8951A33	N.L.A.
8951A43	N.L.A.

INBOARD TRANSMISSION CROSS REFERENCE CHARTS

MerCruiser Inboard Transmissions

New P/N	Reman P/N
ZF-Hurth Down Angle Transmissions	
18900A 1	N.L.A.
18901A 1	N.L.A.
18902A 1	NLA
862220A 1	NLA
863744T 3	NLA
863744T 4	NLA
863744T 5	NLA
ZF-Hurth V-Drive Transmissions	
814437A 1	N.L.A.
814438A 1	NLA
814439A 1	NLA
863745T 2	N.L.A.
863745T 3	NLA
863745T 4	NLA
Borg-Velvet / Direct Across Transmission	
47805	N.L.A.
47806	N.L.A.
47810	N.L.A.
47811	N.L.A.
47805A 7	N.L.A.
47806A 7	N.L.A.
47810A19	N.L.A.
47811A 7	N.L.A.
Borg-Velvet / Down Angle Transmission	
805495A 4	N.L.A.
805495A 5	N.L.A.
805495A 6	N.L.A.
805495A 7	NLA
Borg-Velvet / V-Drive Transmission	
807481A 5	N.L.A.
807481A 6	N.L.A.
807481A 7	N.L.A.

APPLICATION INFORMATION CHARTS

POPULAR COMBINATIONS

QUICKSILVER Engines | SmartCraft | MERCURY Diesel | MERCURY Remanufacturing

POPULAR STERNDRIVE ENGINE, DRIVE AND TRANSOM COMBINATIONS

Popular Sterndrive Boats	Recommended Repower Engine / Drive Application	Engine SKU	HP	Drive SKU	Drive Ratio	Transom SKU	Smart Craft Ready	Freshwater Cooled	Compatible with Active Trim	Benefits
Runabout & Houseboat										
16'-19'	Mercury Remanufacturing 3.0L TKS Alpha	8M0168484	135	5-51100007P	2.00:1	6-6100004P				Turn-Key Starting (TKS) 2-Venturi carburetor delivers easy starting & smoother engine operation than original.
16'-19'	Quicksilver 3.0L TKS Alpha	8M0187358	135	5-51100007P	2.00:1	6-6100004P				Turn-Key Starting (TKS) 2-Venturi carburetor delivers easy starting & smoother engine operation than original.
Houseboat <45mph	Quicksilver 4.5L-260 Bravo Two	8M0224596	250	5-5331500TP	2.20:1	6-6200002SP	Y		Y	Sequential Fuel Injection and high torque quality coupled to a Bravo Two for best control of houseboats
House & Work Boats <45mph	Mercury Turbo Diesel 2.0L-170 Bravo Two X	4-4020000SU	170	5-5337600TP	2.00:1	6-6200005P	Y	Y	Y	Tier 3 Common Rail diesel extends range and durability & Bravo Two X stands alone for best control
Runabout & Deckboat										
18'-20'	Mercury Remanufacturing 4.3L Alpha 4V	8M0187349	225	5-51100009P	1.62:1	6-6100004P				4-Venturi carburetor delivers a power upgrade to repower: 4.3L & 5.0L
18'-20'	Quicksilver 4.6L-250 Alpha	8M0224595	250	5-51100009P	1.62:1	6-6100004P	Y		Y	Sequential Fuel Injection delivers a power & torque upgrade to repower: 4.3L, 5.0L, 4.3 MPI & 5.0L MPI
20'-23'	Quicksilver 4.6L-260 Bravo Three	8M0224596	260	5-6230000SP	2.20:1	6-6200002SP	Y		Y	Sequential Fuel Injection delivers a power & torque upgrade to repower: 4.3L, 5.0L, 4.3 MPI & 5.0L MPI
21'-26'	Mercury Remanufacturing 350 MPI Alpha	8M0188395	300	5-51100008P	1.47:1	6-6100004P	Y			Multi-Port Fuel Injection delivers a repower upgrade for: 5.0L, 5.7L, 5.0L MPI & 350 EFI
21'-26'	Quicksilver 350 MPI Alpha	8M0187359	300	5-51100008P	1.47:1	6-6100004P	Y			Multi-Port Fuel Injection delivers a repower upgrade for: 5.0L, 5.7L, 5.0L MPI & 350 EFI
21'-26'	Mercury Turbo Diesel 2.0L-170 Bravo 3 X	4-4020000SU	170	5-5447400TZ	1.81:1	6-6200006SP	Y	Y	Y	Tier 3 Common Rail diesel extends range and durability & Bravo Three X helps top speed with acceleration
21'-26'	Quicksilver 6.2L-300 Bravo Three	8M0224597	300	5-6230000SP	2.20:1	6-6200002SP	Y		Y	Sequential Fuel Injection delivers better torque quality to repower: 5.0L MPI, 350 EFI & 350 MPI
22'-27'	Quicksilver 6.2L-350 FWC Bravo Three	8M0224598	350	5-6230000SP	2.20:1	6-6200002SP	Y	Y	Y	Sequential Fuel Injection delivers enhanced torque quality to repower: 6.2L MPI, 377 MPI, 383 MPI & 7.4L MPI
22'-27'	Mercury Remanufacturing 383 MPI B3	8M0188396	350	5-6230000SP	2.20:1	6-6200002SP	Y	Y	Y	Multi-Port Fuel Injection delivers a quality repower for: 5.0L MPI, 350 EFI/MPI, 6.2L MPI, 377 MPI, & 7.4L MPI
22'-27'	Mercury Turbo Diesel 3.0L-270 Bravo Three X	4-4031000TA	270	5-5442300TZ	1.65:1	6-6200005P	Y	Y	Y	Tier 3 Common Rail diesel extends range and durability & Bravo Three X helps top speed with acceleration
Twin Engine Cruiser										
28'-34'	Quicksilver 6.2L-300 Bravo Three	8M0224597	300	5-6230000SP	2.00:1	6-6200002SP	Y		Y	Sequential Fuel Injection delivers better torque quality to repower: 5.0L MPI, 350 EFI & 350 MPI
32'-34'	Mercury Turbo Diesel 2.0L-170 Bravo Three X	4-4020000SU	170	5-5447400TZ	1.81:1	6-6200005P	Y	Y	Y	Tier 3 Common Rail diesel extends range and durability & Bravo Three X helps top speed with acceleration
32'-36'	Quicksilver 6.2L-350 FWC Bravo Three	8M0224598	350	5-6230000SP	2.00:1	6-6200002SP	Y	Y	Y	Sequential Fuel Injection delivers enhanced torque quality to repower: 6.2L MPI, 377 MPI, 383 MPI & 7.4L MPI
32'-36'	Quicksilver 6.2L-350 FWC B3 with SeaCore	8M0224598	350	5-6230000SP	2.00:1	6-6200002SP	Y	Y	Y	The benefits above, plus SeaCore with FWC provides the best available sterndrive durability in saltwater
32'-40'	Mercury Turbo Diesel 3.0L-270 Bravo Three X	4-4031000TA	270	5-5447400TZ	1.81:1	6-6200006SP	Y	Y	Y	Tier 3 Common Rail diesel extends range and durability & Bravo Three X helps top speed with acceleration
Sport Boat 60+ mph										
28'-36'	Quicksilver 6.2L-350 FWC Bravo One	8M0224598	350	5-6210000AP	1.50:1	6-6200002SP	Y	Y	Y	The benefits above, plus Bravo One provides best handling for 60+ mph boats

ALPHA REPOWER

MODEL	DESCRIPTION	HORSEPOWER	EMISSION CONTROL TECHNOLOGY	DIGITAL THROTTLE & SHIFT	SMARTCRAFT COMPATIBLE	COOLING SYSTEM	10 OR 14 PIN BOAT HARNESS	RISER HEIGHT REQUIRED (IN.)	TRIM PUMP, Y-PIPE, & STEERING CYLINDER INCLUDED
3.0L ALPHA REPOWER									
8M0168484	REMAN PLUS SERIES 3.0 TKS ALPHA w/Remote Oil, w/o PS	135	N	N	N	RWC	14	11"	N
8M0187358	QS PLUS SERIES 3.0 TKS ALPHA w/Remote Oil, w/o PS	135	N	N	N	RWC	14	11"	N
8M0187350	QS 3.0L CARB CRATE ENGINE - 135 HP	135	N	N	N	NA	14	11"	N
8M0187364	QS 3.0L LONGBLOCK - All Makes 1996 & UP - Carb & MC MPI								
4.3L ALPHA REPOWER									
8M0187349	REMAN PLUS SERIES 4.3L ALPHA 4V EST	225	N	N	N	RWC	10	13"	N
8M0188294	REMAN 4.3L LONGBLOCK - MPI 2001 - 2007, Carb '01-'15								
8M0188293	REMAN 4.3L LONGBLOCK - 1996 - 1999								
8M0188292	REMAN 4.3L LONGBLOCK - 1993 - 1996								
4.5L - ALPHA REPOWER									
8M0245196	QUICKSILVER 4.5L-250 ALPHA	250	N	N	Y	RWC	14	11"	N
8M0114790	QS 4.5L LONGBLOCK 2014-Up								
5.0L ALPHA REPOWER									
8M0187359	350 MPI ALPHA QS PLUS SERIES	300	N	N	Y	RWC	10	13"	N
8M0188295	REMAN PLUS SERIES 350 MPI ALPHA	300	N	N	Y	RWC	10	13"	N
8M0187351	QS 350 MPI CRATE ENGINE '05-'15 - Voucher for 5.7L ECM!!	300	N	N	N	NA	10	13"	N
8M0187352	QS 350 MPI CRATE ENGINE '02-'04 - Voucher for 5.7L ECM!!	300	N	N	N	NA	10	13"	N
5.7L, 350 & 357 ALPHA REPOWER									
8M0187359	350 MPI ALPHA QS PLUS SERIES	300	N	N	Y	RWC	10	13"	N
8M0188295	REMAN PLUS SERIES 350 MPI ALPHA	300	N	N	Y	RWC	10	13"	N
8M0187351	QS 350 MPI CRATE ENGINE '05-'15, USE ORIGINAL ECM	300	N	N	N	NA	10	13"	N
8M0187352	QS 350 MPI CRATE ENGINE '02-'04, USE ORIGINAL ECM	300	N	N	N	NA	10	13"	N
807449R60	REMAN 5.7L LONGBLOCK - '96 - '02								
8M0187365	QS 5.7L LONGBLOCK - '96 - '04 - CPS & balancer included								
8M0187366	QS 5.7L LONGBLOCK - '05 & UP - CPS & balancer included								
8M0187375	QS 357 ALPHA LONGBLOCK & '96 EFI								

BRAVO REPOWER

QUICKSILVER Engines

MODEL	DESCRIPTION	HORSEPOWER	EMISSION CONTROL TECHNOLOGY	DIGITAL THROTTLE & SHIFT	SMARTCRAFT COMPATIBLE	COOLING SYSTEM	10 OR 14 PIN BOAT HARNESS	RISER HEIGHT REQUIRED (IN.)	TRIM PUMP, Y-PIPE, & STEERING CYLINDER INCLUDED
4.3L BRAVO REPOWER									
8M0188294	REMAN 4.3L LONGBLOCK - MPI 2001 - 2007, Carb '01-'15								
8M0188293	REMAN 4.3L LONGBLOCK - 1996 - 1999								
8M0188292	REMAN 4.3L LONGBLOCK - 1993 - 1996								
4.5L - BRAVO REPOWER									
8M0245196	QUICKSILVER 4.5L-250 BRAVO	250	N	N	Y	RWC	14	11"	N
8M0114790	QS 4.5L LONGBLOCK 2014-Up								
5.0L BRAVO REPOWER									
8M0245197	QUICKSILVER 6.2L-300 BRAVO	300	N	N	Y	RWC	14	11"	N
8M0187360	350 MPI BRAVO QS PLUS SERIES	300	N	N	Y	RWC	10	13"	N
8M0245196	QUICKSILVER 4.5L-250 BRAVO	250	N	N	Y	RWC	14	11"	N
8M0187351	QS 350 MPI CRATE ENGINE '05-'15, USE ORIGINAL ECM	300	N	N	N	NA	10	13"	N
8M0187352	QS 350 MPI CRATE ENGINE '02-'04, USE ORIGINAL ECM	300	N	N	N	NA	10	13"	N
5.7L, 350 & 357 BRAVO REPOWER									
8M0187361	383 MPI BRAVO FWC QS PLUS SERIES	350	N	N	Y	FWC	10	13"	N
8M0188296	REMAN PLUS SERIES 383 MPI BRAVO	350	N	N	Y	RWC	10	13"	N
8M0245197	QUICKSILVER 6.2L-300 BRAVO	300	N	N	Y	RWC	14	11"	N
8M0187360	350 MPI BRAVO QS PLUS SERIES	300	N	N	Y	RWC	10	13"	N
8M0187351	QS 350 MPI CRATE ENGINE '05-'15, USE ORIGINAL ECM	300	N	N	N	NA	10	13"	N
8M0187352	QS 350 MPI CRATE ENGINE '02-'04, USE ORIGINAL ECM	300	N	N	N	NA	10	13"	N
807449R60	REMAN 5.7L LONGBLOCK - '96 - '02								
8M0187365	QS 5.7L LONGBLOCK - '96 - '04 - CPS & balancer included								
8M0187366	QS 5.7L LONGBLOCK - '05 & UP - CPS & balancer included								
6.2L - 300 & 350 BRAVO REPOWER									
8M0245198	QUICKSILVER 6.2L-350 BRAVO FWC	350	N	N	Y	FWC	14	11"	N
8M0245197	QUICKSILVER 6.2L-300 BRAVO	300	N	N	Y	RWC	14	11"	N
8M0125139	QS 6.2L LONGBLOCK '15-'16 - SN 2A456613 to 2A530775								
8M0114814	QS 6.2L LONGBLOCK '16-Up - SN 2A530776 & Up								
6.2L, 377, & 383 BRAVO REPOWER									
8M0245198	QUICKSILVER 6.2L-350 BRAVO FWC	350	N	N	Y	FWC	14	11"	N
8M0187361	383 MPI BRAVO FWC QS PLUS SERIES	350	N	N	Y	FWC	10	13"	N
8M0188296	REMAN PLUS SERIES 383 MPI BRAVO	350	N	N	Y	RWC	10	13"	N
8M0245197	QUICKSILVER 6.2L-300 BRAVO	300	N	N	Y	RWC	14	11"	N
8M0187367	QS 6.2L LONGBLOCK - '09-'15--CPS & balancer included								
8M0182232	QS 6.2L LONGBLOCK - 2002 - 2009								
8M0187372	QS 383 MPI LONGBLOCK - 350 HP								
7.4L, 454 H.O. & 502 BRAVO REPOWER									
8M0245198	QUICKSILVER 6.2L-350 BRAVO FWC	350	N	N	Y	FWC	14	11"	N
8M0188296	REMAN PLUS SERIES 383 MPI BRVO	350	N	N	Y	RWC	10	13"	N
8.2 - 380 & 430 BRAVO									
8M0157869	MC 8.2L LONGBLOCK - 2010+ MerCruiser Only								
8M0188322	REMAN CPO 8.2L LONGBLOCK - 2010+ BRAVO ONLY								

INBOARD ENGINES

MERCURY Remanufacturing QUICKSILVER Engines

MODEL	DESCRIPTION	LIMITED WARRANTY	HORSEPOWER	EMISSION CONTROL TECHNOLOGY	DIGITAL THROTTLE & SHIFT	SMARTCRAFT COMPATIBLE	COOLING SYSTEM	10 OR 14 PIN BOAT HARNESS	RISER HEIGHT REQUIRED (IN.)	TRIM PUMP, Y-PIPE, & STEERING
5.7L & 350 INBOARD REPOWER										
8M0187354	350 MPI HORIZON V-DRIVE BOBTAIL QS PLUS SERIES	1 YEAR	300	N	N	Y	FWC	10	15"	I
8M0187355	350 MPI HORIZON DOWNANGLE BOBTAIL QS PLUS SERIES	1 YEAR	300	N	N	Y	FWC	10	15"	I
8M0187351	QS 350 MPI CRATE ENGINE '05-'15, USE ORIGINAL ECM	1 YEAR	300	N	N	N	NA	10	13"	I
8M0187352	QS 350 MPI CRATE ENGINE '02-'04, USE ORIGINAL ECM	1 YEAR	300	N	N	N	NA	10	13"	I
807449R60	REMAN 5.7L LONGBLOCK - '96 - '02	1 YEAR								
8M0187365	QS 5.7L LONGBLOCK - '96 - '04 - CPS & balancer included	1 YEAR								
8M0187366	QS 5.7L LONGBLOCK - '05 & UP - CPS & balancer included	1 YEAR								
8M0187375	QS 357 ALPHA LONGBLOCK & '96 EFI	1 YEAR								
8M0187371	QS 5.7L LONGBLOCK - 1991 - 1997	1 YEAR								
8M0187370	QS 5.7L LONGBLOCK - 1987 - 1995 - Flat Tappet	1 YEAR								
6.2L, 377 & 383 INBOARD REPOWER										
8M0225727	MERC REMAN PLUS SERIES 383 MPI INBOARD	1 YEAR	350	N	N	Y	RWC	10	15"	I
8M0187367	QS 6.2L LONGBLOCK - '09-'15--CPS & balancer included	1 YEAR								
8M0182232	QS 6.2L LONGBLOCK - 2002 - 2009	1 YEAR								
8M0187373	QS 383 4V LONGBLOCK - 350 HP	1 YEAR								
8M0187374	QS 383 4V LONGBLOCK - RH ROTATION	1 YEAR								
8M0187372	QS 383 MPI LONGBLOCK - 350 HP	1 YEAR								
8.1L & 8.1 H.O. INBOARD REPOWER										
8M0187378	QS 8.1L H.O. LONGBLOCK - ALL BRANDS SUPPORTED	1 YEAR								
8M0187377	QS 8.1L LONGBLOCK - ALL BRANDS SUPPORTED	1 YEAR								
8.2L INBOARD REPOWER										
8M0157869	MC 8.2L LONGBLOCK - 2010+ MerCruiser Only	1 YEAR								
8M0188322	REMAN CPO 8.2L LONGBLOCK - 2010+ CPO BRAVO ONLY	1 YEAR								
TOW SPORT REPOWER										
8M0187353	350 MPI TOW INLINE w/45C 1.0:1 INCLUDED QS PLUS SERIES	1 YEAR	315	N	N	Y	RWC	14	15"	I
8M0225727	MERC REMAN PLUS SERIES 383 MPI INBOARD	1 YEAR	350	N	N	Y	RWC	10	15"	I
8M0187351	QS 350 MPI CRATE ENGINE '05-'15, USE ORIGINAL ECM	1 YEAR	300	N	N	N	NA	10	13"	I
8M0187352	QS 350 MPI CRATE ENGINE '02-'04, USE ORIGINAL ECM	1 YEAR	300	N	N	N	NA	10	13"	I
8M0187367	QS 6.2L LONGBLOCK - '09-'15--CPS & balancer included	1 YEAR								
8M0182232	QS 6.2L LONGBLOCK - 2002 - 2009	1 YEAR								
8M0187373	QS 383 4V LONGBLOCK - 350 HP	1 YEAR								
8M0187374	QS 383 4V LONGBLOCK - RH ROTATION	1 YEAR								
8M0187372	QS 383 MPI LONGBLOCK - 350 HP	1 YEAR								
807449R60	REMAN 5.7L LONGBLOCK - '96 - '02	1 YEAR								
8M0187365	QS 5.7L LONGBLOCK - '96 - '04 - CPS & balancer included	1 YEAR								
8M0187366	QS 5.7L LONGBLOCK - '05 & UP - CPS & balancer included	1 YEAR								
8M0187375	QS 357 ALPHA LONGBLOCK & '96 EFI	1 YEAR								
8M0187371	QS 5.7L LONGBLOCK - 1991 - 1997	1 YEAR								
8M0187370	QS 5.7L LONGBLOCK - 1987 - 1995 - Flat Tappet	1 YEAR								
8M0188305	QS TRANSMISSION ASSY 45C 1.0:1	1 YEAR								

VOLVO ENGINES

QUICKSILVER Engines

VOLVO ENGINES

PART NUMBER	VOLVO MODEL/APPLICATION	COMMENTS
Longblocks		
8M0187364	3.0GL/GS	Crank pilot bore for Volvo coUplers 1999+
8M0188294	4.3GL-A thru G	2000-2007 Carbureted
8M0188294	4.3GXi-A thru G	2000-2007 EFI requiring 3X reluctor
8M0188306	4.3GXi-J	2007-2015 Carbureted & EFI w/58X reluctor
8M0187365	5.7GL	1996+ Carbureted 8-bolt intake & Elect. Fuel Pump
8M0187365	5.7GL	Same as above, but 100% new with CPS & balancer installed
8M0187365	5.7Gi-A thru I	EFI requiring 4X reluctor
8M0187365	5.7Gi-A thru I	Same as above, but 100% new with CPS & balancer installed
8M0187366	5.7Gi-300-J	Special camshaft
8M0187366	5.7Gi-300-J	Same as above, but 100% new with CPS & balancer installed
8M0187377	8.1L BASE	
8M0187378	8.1L H.O.	High Output
Crate Engines		
8M0187350	Any 3.0L Carb 1996-2015	135 HP with MerCruiser Fuel and Ignition System Included
8M0187352	5.7Gi-A thru 5.7Gi-G models	Includes: intake , injectors, fuel rail, distributor & TBU
8M0187351	5.7Gi-300-J EFI model	Includes: intake , injectors, fuel rail, distributor & TBU
Inboard Repower Engines		
8M0187355	350 MPI HORIZON BOBTAIL QS PLUS SERIES	Down Angle Installations
8M0187354	350 MPI HORIZON BOBTAIL QS PLUS SERIES	V-Drive Installations
8M0185591	409 MPI HORIZON DOWNANGLE	Down Angle Installations
8M0185590	409 MPI HORIZON V-DRIVE	V-Drive Installations



Transom Adapter Kit

For use when replacing a Volvo or BMW sterndrive with a standard MerCruiser 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.

Need to completely repower your classic boat, but the Volvo cutout doesn't match modern transoms? No worries! Order transom adaptor kit 827691A 1

INBOARD TRANSMISSIONS

QUICKSILVER Engines

INBOARD TRANSMISSIONS

Part Number	Description	Notes	Limited Warranty
NEW GAS ENGINE TRANSMISSION ASSEMBLIES - Cooler, Hoses, Hardware & Mounts Included			
8M0188308	TR-68A-1.5:1	Best Performance with Dual-Stage Driveplate	1 Year
8M0188309	TR-68A-2.0:1	Best Performance with Dual-Stage Driveplate	1 Year
8M0188310	TR-68A-2.5:1	Best Performance with Dual-Stage Driveplate	1 Year
8M0188311	TR-68A-2.7:1	Best Performance with Dual-Stage Driveplate	1 Year
8M0188312	TR-68V-1.5:1	Best Performance with Dual-Stage Driveplate	1 Year
8M0188313	TR-68V-2.0:1	Best Performance with Dual-Stage Driveplate	1 Year
8M0188314	TR-68V-2.5:1	Best Performance with Dual-Stage Driveplate	1 Year
8M0188305	TR-45C-1.0:1	Spring Driveplate Required	1 Year

QUICKSILVER GAS RIGGING ACCESSORIES

SmartCraft

RIGGING ACCESSORIES

FUEL INJECTED PLUS SERIES MODELS WITH SERIAL NUMBER 1G404354 AND UP DO NOT REQUIRE ECM TO BE CHANGED WITH THE ADDITION OF A CLOSED COOLING KIT.

Part Number	Description	Notes
3.0L ALPHA REPOWER		
865380A25	Power Trim Pump	Not included with Plus Series engines
8M0208402	Power Steering Actuator	Not included with Plus Series engines
861481A2	Power Steering Pump & Cooler Kit	Traditional 3.0L PS System w/o Cylinder
865677T02	Transom Harness	Connects engine to transom assembly
84-866337T01	14-10 Pin Harness Adapter	For newer 14-pin engines in boats with 10-pin
V-6 & V-8 EXCEPT 8.1/496 & 8.2L		
98-8M0117124	Exhaust "Y" Pipe	Not included with Plus Series engines
865380A25	Power Trim Pump	Not included with Plus Series engines
865677T02	Trim Pump Harness (incl w/ new eng)	Not included with Plus Series engines
8M0208402	Power Steering Actuator	Not included with Plus Series engines
865677T02	Transom Harness	Connects engine to transom assembly
84-866337T01	14-10 Pin Harness Adapter	For newer 14-pin engines in boats with 10-pin
84-8M0153356	10-14 Pin Harness Adapter w/SmartCraft Data	10-pin engines in boats with 14-pin w/CAN Data
46-807151A5	Seawater Pump Kit	Required for Gen I Alpha with V-8 Repower
8.1/496 & 8.2L		
98-8M0117125	Exhaust "Y" Pipe - 496 & 8.2 MAG	Comes standard with 8.2 MAG EC
44267A03	Intermediate Elbow Kit - 496 - 0-2" Riser	Comes standard with 8.2 MAG EC
44267A02	Intermediate Elbow Kit - 496 - 6"-8" Riser	Comes standard with 8.2 MAG EC
865380A25	Power Trim Pump	Not included with Plus Series engines
84-865677T02	Trim Pump Harness (incl w/ new eng)	Not included with Plus Series engines
8M0208402	Power Steering Actuator	Not included with Plus Series engines
865677T02	Transom Harness	Connects engine to transom assembly
84-866337T01	14-10 Pin Harness Adapter	For newer 14-pin engines in boats with 10-pin
892486K08	Adapter 8.2L Gauges - Analog AGI to Digital	Required for non-SmartCraft gauges
TRIM PUMP HARNESS - NOT INCLUDED WITH REMOTE CONTROL		
84-817659T01	Trim Pump Harness - 16 Foot	Older Round, 3-Pin Connector
84-881125A1	Trim Pump Harness - 24 Foot	Older Round, 3-Pin Connector
84-865772T01	Trim Pump Harness - 16 Foot	Newer Flat, 3-Pin Connector
84-865772T02	Trim Pump Harness - 24 Foot	Newer Flat, 3-Pin Connector

PLUS SERIES CLOSED COOLING KITS - Also called Fresh Water Cooling Kit (FWC Kit)

Plus Series Engine Model	Plus Series Part Number	Closed Cooling Kit	Belt Kit	Seawater Pump Kit
350 Alpha MPI	8M0187359	864920A02	N/A	46-8M0139983
350 Bravo MPI	8M0187360	864920A02	N/A	N/A

NEW MERCRUISER DRIVES

QUICKSILVER Engines

NEW MERCRUISER DRIVES

Quicksilver drives are now available for both Alpha and Bravo applications.

PART NUMBER	DESCRIPTION	MAX HP GAS ENGINE	PROPELLER HUB
Alpha Gen One			
5-5010130CP	Alpha One 1.30	300	FLO-TORQ II
5-5010147CP	Alpha One 1.47	300	FLO-TORQ II
5-5010162CP	Alpha One 1.62	225	FLO-TORQ II
5-5010181CP	Alpha One 1.81	260	FLO-TORQ II
5-5010194CP	Alpha One 1.94	135	FLO-TORQ II
Alpha Gen II			
5-5121200TP	Alpha One Gen II 1.47	300	FLO-TORQ II
5-5121300TP	Alpha One Gen II 1.62	260	FLO-TORQ II
5-5121400TP	Alpha One Gen II 1.81	260	FLO-TORQ II
5-5121600TP	Alpha One Gen II 2.00	135	FLO-TORQ II
5-5121700TP	Alpha One Gen II 2.40	135	FLO-TORQ II
Alpha Gen II - Counter Rotation			
5-5111200TP	Alpha One Gen II 1.47 CR	300	FLO-TORQ II
5-5111300TP	Alpha One Gen II 1.62 CR	260	FLO-TORQ II
5-5111400TP	Alpha One Gen II 1.81 CR	260	FLO-TORQ II
5-5111600TP	Alpha One Gen II 2.00 CR	135	FLO-TORQ II
Quicksilver Alpha Gen II - 3 Year Limited Warranty			
5-51100008P	Alpha One Gen II 1.47	300	FLO-TORQ II
5-51100009P	Alpha One Gen II 1.62	260	FLO-TORQ II
5-51100007P	Alpha One Gen II 2.00	135	FLO-TORQ II
Quicksilver Classic Bravo One & Three			
5-52100004P	Bravo One 1.50 DWP	350	FLO-TORQ II
5-52300001P	Bravo Three 2.00 DWP	350	SOLID HUB
5-52300002P	Bravo Three 2.20 DWP	350	SOLID HUB
Bravo One			
5-5231100TP	Bravo One 1.36 DWP	350	FLO-TORQ II
5-5231200TP	Bravo One 1.50 DWP	350	FLO-TORQ II
5-5231300TP	Bravo One 1.65 DWP	350	FLO-TORQ II
Bravo One - SeaCore			
5-5J31200TP	Bravo One - SeaCore 1.50 DWP	350	FLO-TORQ II
5-5J31300TP	Bravo One - SeaCore 1.65 DWP	350	FLO-TORQ II
Bravo Two			
5-5331200TP	Bravo Two 1.50	350	RUBBER HUB
5-5331400TP	Bravo Two 1.81	350	RUBBER HUB
5-5331600TP	Bravo Two 2.00	350	RUBBER HUB
5-5331500TP	Bravo Two 2.20	350	RUBBER HUB

QUICKSILVER Engines

NEW MERCRUISER DRIVES

Use X- & XR- Drives with Diesel or High Torque gas engine applications such as the: 409, 8.2, 496, 520 & 525.

PART NUMBER	DESCRIPTION	GAS	PROPELLER HUB
Bravo Two - SeaCore			
5-5K31600TP	Bravo Two - SeaCore 2.00	350	RUBBER HUB
5-5K31500TP	Bravo Two - SeaCore 2.20	350	RUBBER HUB
Bravo Three			
5-5441200TP	Bravo Three 1.50 DWP	350	SOLID HUB
5-5441400TP	Bravo Three 1.81 DWP	350	SOLID HUB
5-5441600TP	Bravo Three 2.00 DWP	350	SOLID HUB
5-5441500TP	Bravo Three 2.20 DWP	350	SOLID HUB
5-5441700TP	Bravo Three 2.43 DWP	300	SOLID HUB
Bravo Three - SeaCore			
5-5L41300TP	Bravo Three - SeaCore 1.65 DWP	350	SOLID HUB
5-5L41400TP	Bravo Three - SeaCore 1.81 DWP	350	SOLID HUB
5-5L41600TP	Bravo Three - SeaCore 2.00 DWP	350	SOLID HUB
5-5L41500TP	Bravo Three - SeaCore 2.20 DWP	350	SOLID HUB
5-5L41700TP	Bravo Three - SeaCore 2.43 DWP	350	SOLID HUB
Bravo One X			
5-5237100TP	Bravo One X - 1.36 DWP	450	FLO-TORQ II
5-5237200TP	Bravo One X - 1.50 DWP	450	FLO-TORQ II
5-5237300TP	Bravo One X - 1.65 DWP	450	FLO-TORQ II
Bravo One X - SeaCore			
5-5J31200TP	Bravo One - SeaCore 1.50 DWP	450	FLO-TORQ II
5-5J31300TP	Bravo One - SeaCore 1.65 DWP	450	FLO-TORQ II
Bravo Two X			
5-5337400TP	Bravo Two X - 1.81	450	RUBBER HUB
5-5337600TP	Bravo Two X - 2.00	450	RUBBER HUB
5-5337500TP	Bravo Two X - 2.20	450	RUBBER HUB
Bravo Two X - SeaCore			
5-5K37400TP	Bravo Two - SeaCore 1.81	450	RUBBER HUB
5-5K37600TP	Bravo Two - SeaCore 2.00	450	RUBBER HUB
Bravo Three X			
5-5447400TZ	Bravo Three X - 1.81 DWP	450	SOLID HUB
5-5447500TZ	Bravo Three X - 2.20 DWP	450	SOLID HUB
5-5447600TZ	Bravo Three X - 2.00 DWP	450	SOLID HUB
Bravo Three X - SeaCore			
5-5L47400TP	Bravo Three X - 1.81 DWP	450	SOLID HUB
5-5L47500TP	Bravo Three X - 2.20 DWP	450	SOLID HUB
5-5L47600TP	Bravo Three X - 2.00 DWP	450	SOLID HUB

QUICKSILVER Engines

NEW MERCRUISER XR DRIVES

Use X- & XR- Drives with Diesel or High Torque gas engine applications such as the: 409, 8.2, 496, 520 & 525.

PART NUMBER	DESCRIPTION	GAS	PROPELLER HUB
Bravo One XR			
5-5E31800TP	Bravo One XR - DWP 1.26 DWP	600	SOLID HUB
5-5E31900UP	Bravo One XR - DWP 1.35 DWP	600	SOLID HUB
5-5E31200UP	Bravo One XR - DWP 1.50 DWP	600	SOLID HUB
Bravo Two XR			
5-5T32300TP	Bravo Two XR 1.65	525	RUBBER HUB
Bravo Three XR			
5-5H41300UP	Bravo Three XR 1.65 DWP	525	SOLID HUB
5-5H41400UP	Bravo Three XR 1.81 DWP	525	SOLID HUB
5-5H41600TZ	Bravo Three XR 2.00 DWP	525	SOLID HUB
Bravo Three XR - SeaCore			
5-5M41600TP	Bravo Three XR - SeaCore 2.00 DWP	525	SOLID HUB

NEW & REMANUFACTURED MERCRUISER GEARCASES & DRIVESHAFT HOUSINGS

QUICKSILVER Engines

NEW & REMANUFACTURED MERCRUISER GEARCASES & DRIVESHAFT HOUSINGS

Part Number	Description	Notes		
New Alpha Gen II Gearcases				
1623-815822A36	GEAR HOUSING GEN II BASIC	ALPHA MACHINED GEARCASE CASTING		
1623-8951A43	GEAR HSG ASSY RH ALPHA ONE	STD ROTATION - FITS R, MR & ALPHA ONE		
1623-8951A33	GEAR HOUSING ASSY ALPHA ONE CR	CTR ROTATION - FITS R, MR & ALPHA ONE		
1623-815822A53	GEAR HOUSING ASSY ALPHA GEN II	GEARCASE ASSEMBLY - 1.47, 1.62, 1.81, 1.94:1		
1623-815822A47	GEAR HOUSING ASSY ALPHA GEN II - CR	GEARCASE ASSEMBLY - 1.47, 1.62, 1.81, 1.94:1		
1623-815822A55	GEAR HOUSING ASSY ALPHA GEN II	GEARCASE ASSEMBLY - 2.00, 2.40:1		
1623-815822A52	GEAR HOUSING ASSY ALPHA GEN II - CR	GEARCASE ASSEMBLY - 2.00:1		
New Alpha One Gearcases - Can not be used in pre-1983 4 & 6 cyl models				
1547-9412A19	DRIVESHAFT HOUSING - COMPLETE - 1.32:1	Fits MC-I, R, MR, & Alpha One		
1547-9412A20	DRIVESHAFT HOUSING - COMPLETE - 1.50:1	Fits MC-I, R, MR, & Alpha One		
1547-9412A21	DRIVESHAFT HOUSING - COMPLETE - 1.65:1	Fits MC-I, R, MR, & Alpha One		
1547-9412A22	DRIVESHAFT HOUSING - COMPLETE - 1.84:1	Fits MC-I, R, MR, & Alpha One		
1547-9412A23	DRIVESHAFT HOUSING - COMPLETE - 1.98:1	Fits MC-I, R, MR, & Alpha One		
New Bravo Gearcases				
1656-8M0046683	GEAR HOUSING BR III BASIC - DWP	BRAVO MACHINED GEARCASE CASTING		
1656-8866A63	GC BRAVO ONE DWP - 1.36, 1.50, 1.65:1	14"-17" X-Dimension - DWP		
1641-8294A16	GC BRAVO TWO - 1.81, 2.00, 2.20:1	14" X-Dimension - Standard		
1656-8M0046738	GC BRAVO THREE - 1.81, 2.00, 2.20:1 - DWP	14" X-Dimension - Fits Standard, X & XR - DWP		
1656-8866A62	GC BRAVO ONE XR/XZ DWP - 1.36, 1.50:1	14"-17" X-Dimension - DWP		
New Bravo Driveshaft Hsg. - Early Design - S/N 0D469920 - 0W249999		B1 Ratios	B2 Ratios	B3 Ratios
1589-8868G21	DRIVESHAFT HSG BASIC - EARLY DESIGN	ANY	ANY	ANY
1589-863836A50	DSH BRAVO27/29 - EARLY DESIGN	1.36:1	1.50, 1.81:1	1.36, 1.81:1
1589-863836A51	DSH BRAVO27/32 - EARLY DESIGN	1.50:1	1.65, 2.00:1	1.50, 1.65, 2.00:1
1589-863836A52	DSH BRAVO23/30 - EARLY DESIGN	1.65:1	2.20:1	2.20, 2.43:1
1589-863836A66	DSH BRV X27/29 - EARLY DESIGN	1.36:1	1.50, 1.81:1	1.36, 1.81:1
1589-863836A67	DSH BRV X27/32 - EARLY DESIGN	1.50:1	1.65, 2.00:1	1.50, 1.65, 2.00:1
1589-863836A56	BRAVO XR EARLY DESIGN - NO RIB TOP CAP	1.50:1	1.65, 2.00:1	1.50, 1.65, 2.00:1
New Bravo Driveshaft Hsg. - Late Design - S/N 0W240000 & Up		B1 Ratios	B2 Ratios	B3 Ratios
1589-865440H72	DRIVESHAFT HSG BASIC - LATE DESIGN	ANY	ANY	ANY
1589-865440H50	DSH BRAVO27/29 - LATE DESIGN	1.36:1	1.50, 1.81:1	1.36, 1.81:1
1589-865440H51	DSH BRAVO27/32 - LATE DESIGN	1.50:1	1.65, 2.00:1	1.50, 1.65, 2.00:1
1589-865440H52	DSH BRAVO23/30 - LATE DESIGN	1.65:1	2.20:1	2.20, 2.43:1
1589-865440H66	DSH BRV X27/29 - LATE DESIGN	1.36:1	1.50, 1.81:1	1.36, 1.81:1
1589-865440H67	DSH BRV X27/32 - LATE DESIGN	1.50:1	1.65, 2.00:1	1.50, 1.65, 2.00:1
1589-865440H68	DSH BRV X23/30 - LATE DESIGN	1.65:1	2.20:1	2.20, 2.43:1
1589-865440H56	BRAVO XR - RIBBED TOP CAP	1.50:1	1.65, 2.00:1	1.50, 1.65, 2.00:1

MERCRUISER TRANSOMS

QUICKSILVER Engines

TRANSOMS

Part Number	Description	Notes
Alpha Transoms		
6-6010000CP	Alpha One (MC-I)	Transom 1983-1990
6-6010000DP	Alpha One Gen II	Transom 1991-1993
6-61000005P	Alpha One Gen II w/Trim Pump	Transom 1994 - 2015
6-61000002P	Alpha One Gen II - Digital	4.5L
Bravo Transoms		
6-62000024P	Bravo Magnum Transom w/Trim Pump	4.3L, 5.0L, 350, 357, 377, 383, 409, 5.7L, 6.2L non-DTS
6-62000010P	Bravo Transom - Digital	MerCruiser 4.5L, 6.2L 2016+, 8.2L, 8.2L H.O. & DTS
6-6315002TP	Bravo SmartCraft Transom	496 & 496 H.O.
6-6511002NZ	Bravo Heavy Duty Transom (w/o Sender)	Required on Racing Products & Recommended 60+ MPH
6-620000091	Bravo Heavy Duty Transom (w/ Sender)	Required on Racing Products & Recommended 60+ MPH
6-6911002TP	Bravo SeaCore Transom	SEACORE 4.3L, 5.0L, 350, 377 & 409 non-DTS
6-62000012P	Bravo SeaCore Digital Transom	SEACORE: 4.5L, 6.2L 2016+, 8.2L, 8.2L H.O. & DTS
6-6A15002TP	Bravo SeaCore SmartCraft Transom	SEACORE 496 & 496 H.O.
Quicksilver Transoms		
6-61000004P	Alpha One Gen II	Transom 1994 & Up & Quicksilver 4.5L, non-Digital Trim
6-62000025P	Bravo Magnum Transom	4.3L, 5.0L, 350, 357, 377, 383, 409, 5.7L, Quicksilver 4.5L & 6.2L
Diesel Transoms		
6-6125004TP	Alpha Diesel	Water Passage Blocked
6-62000005P	Bravo Diesel	Water Passage Blocked
6-62000006P	SeaCore Diesel	Water Passage Blocked



Transom Adapter Kit

For use when replacing a Volvo or BMW sterndrive with a standard MerCruiser 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.

Need to completely repower your classic boat, but the Volvo cutout doesn't match modern transoms? No worries! Order transom adaptor kit 710-827691A 1

OUTBOARD POWERHEADS

MERCURY Remanufacturing

Quicksilver Remanufacturing Powerheads

Part Number	Description	Serial # Range	Notes
MERCURY L4NA REMANUFACTURED LONGBLOCKS			
61-8M0128564	SB L4NA 75-100 EFI - RM	2B095049 & Up	Shortblock Assembly-No Cyl Head
61-8M0166625	LB L4NA 75-100 EFI - RM	2B095049 & Up	Gaskets & Hardware Included
61-8M0128566	LB L4NA 115 EFI - RM	2B095049 & Up	Gaskets & Hardware Included
61-8M0070524	LB L4NA 150 EFI - RM	1B905505 & Up	Gaskets & Hardware Included
FULLY DRESSED REMANUFACTURED 4-STROKE			
61-8M0227269	150 EFI 4-Stroke	1B905505 & Up	Inline 4 with Balance Shaft, Reuse PCM
61-8M0162891	200-300 VERADO	2B144123-2B578935	L6SC - Gen 5, Not for 350 & 400 HP
61-8M0171851	250 & 300 VERADO	2B529482 & Up	V8, DTS, Advanced Mid-Section, Reuse PCM
61-8M0206534	250 & 300 V8 CMS	2B529482 & Up	V8, Mechanical Rigging, Conventional Mid Section, Reuse PCM

NEW 2-STROKE OUTBOARD GEARCASES

NEW 2-STROKE OUTBOARD GEARCASES

QUICKSILVER Engines

Part Number	Description	Pinion Teeth	Notes
Mercury 40-60 HP 2-Stroke Outboard Gearcases			
1667-9011G92	40-60 Bigfoot - 2.33:1 - 20" - L	12	Mercury Bigfoot 3- Cylinder, 2-Stroke '95-'06
Mercury 70-225 HP Classic 2-Stroke Outboard Gearcases			
1667-9011J16	70-90 - 2.31:1 20" - L	12	Mercury 3-Cylinder 70-90 with 3 jaw reverse clutch '87-'97
1667-9011J15	75-125 - 2.33:1 - 20" - L	12	Mercury non-DFI 2-stroke with 6 jaw reverse clutch
1667-9011J 7	100-125 - 2.07:1 - 20" - L	14	Mercury non-DFI 2-stroke with 3 jaw reverse clutch
1667-9011J16	100-125 - 2.3:1 - 20" - L	12	Mercury non-DFI 2-stroke with 3 jaw reverse clutch
1667-9011J 6	115-125 - 2.07:1 - 20" - L	14	Mercury non-DFI 2-stroke with 6 jaw reverse clutch
1667-9011J 9	115-125 - 2.07:1 - 25" - XL	14	Mercury non-DFI 2-stroke with 6 jaw reverse clutch
1647-9148T81	135-225 - RH - 2.00:1 - 20" - L	14	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
1647-9148T82	135-225 - RH - 2.00:1 - 25" - XL	14	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
1647-9148T84	135-225 - RH - 1.87:1 - 20" - L	15	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
1647-9148T85	135-225 - RH - 1.87:1 - 25" - XL	15	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
1647-9148T86	135-225 - LH - 1.87:1 - 25" - CXL	15	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
Mercury 75-250 EFI & OptiMax 2-Stroke Outboard Gearcases			
1667-9011J37	75-115 - 2.33:1 - 20" - L	12	Mercury 3-Cylinder OptiMax 75-90, '04-'06
1667-9011J33	75-115 - 2.07:1 - 20" - L	14	Mercury 3-Cylinder OptiMax 115, '04-'10
1667-9011J39	75-115 - 2.33:1 - 25" - XL	12	Mercury 3-Cylinder OptiMax 75-90, '04-'06
1667-9011J35	75-115 - 2.07:1 - 25" - XL	14	Mercury 3-Cylinder OptiMax 115, '04-'10
1667-9011J35	115 - 2.07:1 - 25" - XL	14	Mercury 3-Cylinder OptiMax 115, '04-'10
1647-9148T81	135-225 - RH - 2.00:1 - 20" - L	14	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
1647-9148T82	135-225 - RH - 2.00:1 - 25" - XL	14	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
1647-9148T84	135-225 - RH - 1.87:1 - 20" - L	15	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
1647-9148T85	135-225 - RH - 1.87:1 - 25" - XL	15	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
1647-9148T86	135-225 - LH - 1.87:1 - 25" - CXL	15	Mercury or Mariner 2.5L 2-stroke 135, 150, 175, 200, 225
Mercury OptiMax 2-Stroke Outboard Gearcases			
1600-8M0236231	200-25- RH - 1.75:1 - 20" - L	12	Mercury or Mariner 200, 225, 250 DFI, 1995 & Up, 13-spline
1600-8M0236242	200-250 - RH - 1.75:1 - 25" - XL	12	Mercury or Mariner 200, 225, 250 DFI, 1997 & Up, 13-spline
1623-859399T15	200-250 - RH - 1.75:1 - 30" - XXL	12	Mercury or Mariner 200, 225, 250 DFI, 1997 & Up, 13-spline
1600-8M0236248	200-250 - LH - 1.75:1 - 25" - CXL	12	Mercury or Mariner 200, 225, 250 DFI, 1997 & Up, 13-spline
1600-8M0236249	200-250 - LH - 1.75:1 - 30" - CXXL	12	Mercury or Mariner 200, 225, 250 DFI, 1997 & Up, 13-spline
1600-8M0236250	3.0L - RH - 1.75:1 - 20" - L	12	Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS
1600-8M0236251	3.0L - RH - 1.75:1 - 25" - XL	12	Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS
1600-8M0236252	3.0L - RH - 1.75:1 - 30" - XXL	12	Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS
1600-8M0236253	3.0L - LH - 1.75:1 - 25" - CXL	12	Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS
1600-8M0236254	3.0L - LH - 1.75:1 - 30" - CXXL	12	Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS
Mercury 225-250 HP 3.0L Pro XS 2-Stroke Outboard Torquemaster Gearcases			
1600-8M0236271	3.0L - RH - 1.75:1 - 20" - L - TM	12	Mercury 3.0L PRO XS - TORQ MASTER - SILVER - 1B935222 & Up
1600-8M0236272	3.0L - RH - 1.75:1 - 25" - XL - TM	12	Mercury 3.0L PRO XS - TORQ MASTER - SILVER - 1B935222 & Up

NEW 4-STROKE OUTBOARD GEARCASES

NEW 4-STROKE OUTBOARD GEARCASES

QUICKSILVER Engines

Part Number	Description	Pinion Teeth	Notes
Mercury 40-60 HP 4-Stroke Outboard Bigfoot Gearcases			
1667-9011G90	40-60 BF - 2.33:1 - 20" - L	12	1C033810 & Below - Bigfoot
Mercury 75, 90, & 115 HP 4-Stroke Outboard Gearcases			
1667-9011J 2	75, 90 - 2.07:1 - 20" - L	14	Mercury 4-Cylinder, 4-Stroke '00-'02, SN: 0G9600500-0T598999
1667-9011J 2	115 - 2.07:1 - 20" - L	14	Mercury 115 4-Cylinder, 4-Stroke, '01-'03, SN: 0T178500-0T800999
1600-888845T01	115 - 2.07:1 - 20" - L	14	0T801000 thru 1B366822
1600-888845T02	115 - 2.07:1 - 25" - XL	14	0T801000 thru 1B366822
Mercury 75, 90, & 115 HP 4-Stroke Outboard Command Thrust & Bigfoot Gearcases			
1667-9011J29	75-90 BF - RH - 2.33:1 - 20" - L	12	0T599000 thru 0T800999 - Bigfoot
1600-888845T03	75-115 BF - RH - 2.33:1 - 20" - L	12	1B172291 thru 1B366822 - Bigfoot
Mercury 150 4-Stroke Outboard Gearcases			
1600-8M0099218	150 - RH - 1.92:1 - 20" - L	13	2B138377 & Up
1600-8M0099221	150 - RH - 1.92:1 - 25" - XL	13	2B138363 & Up
Verado 135-200 L-4 Outboard Gearcases			
1600-8M0236261	RH - 2.08:1 - 20" - L	12	Mercury L4 VERADO 135, 150, 175, 200
1600-8M0236262	RH - 2.08:1 - 25" - XL	12	Mercury L4 VERADO 135, 150, 175, 200
1600-8M0236263	LH - 2.08:1 - 25" - CXL	12	Mercury L4 VERADO 135, 150, 175, 200
Verado 200-275 L-6 Outboard 4.80" Gearcases			
1600-8M0236255	RH - 1.85:1 - 20" - L	13	0T980000 & Up
1600-8M0236256	RH - 1.85:1 - 25" - XL	13	0T980000 & Up
1600-8M0236258	LH - 1.85:1 - 25" - CXL	13	0T980000 & Up
1600-8M0236259	RH - 1.85:1 - 30" - XXL	13	0T980000 & Up
1600-8M0236260	LH - 1.85:1 - 30" - CXXL	13	0T980000 & Up
Verado 300 L-6 Outboard 4.80" Gearcases			
1600-8M0236264	RH - 1.75:1 - 20" - L	12	1B517434 & Up
1600-8M0236265	RH - 1.75:1 - 20" - CL	12	1B517434 & Up
1600-8M0236266	RH - 1.75:1 - 25" - XL	12	1B517434 & Up
1600-8M0236267	LH - 1.75:1 - 25" - CXL	12	1B517434 & Up
1600-8M0236269	RH - 1.75:1 - 30" - XXL	12	1B517434 & Up
1600-8M0236270	LH - 1.75:1 - 30" - CXXL	12	1B517434 & Up

QUICKSILVER CYLINDER HEADS

QUICKSILVER Engines

CYLINDER HEAD ASSEMBLIES

Part Number	Description	Notes
Valves and Springs included		
938-8M0188300	CYL HEAD - 3.0L (1990-2016)	Inline-4 Iron Marine & Industrial
900-8M0116266	CYL HEAD - 4.5L 2014+ MerCruiser	V6 Iron Head for MerCruiser 4.5L MPI
938-8M0188302	CYL HEAD - 5.7L/6.2L (1996-2016)	V8 Iron Marine, Industrial, Truck L31, & RV
900-8M0107023	CYL HEAD - 6.2L 2017+ MerCruiser	V8 Iron Head for MerCruiser 6.2L MPI 2A456613 and Up
938-8M0188297	CYL HEAD - 8.1L 2000+ RH/STBD Side	V8 Iron Marine, Industrial, Truck L18, & RV
900-8M0188298	CYL HEAD - 8.1L 2000+ LH/PORT Side	V8 Iron Marine, Industrial, Truck L18, & RV
900-8M0046344	CYL HEAD - 8.2L 2010+ MerCruiser	V8 Aluminum Head for MerCruiser 8.2L MPI 1A350340 and Up

DIESEL ENGINES

MERCURY Diesel

TIER 3 MERCURY TURBO DIESEL ENGINES

MODEL	DESCRIPTION	HORSEPOWER	RATED ENGINE SPEED (RPM)	MAXIMUM TORQUE (FT-LBS)	MAX TORQUE ENGINE SPEED (RPM)	CYLINDERS	EPA EMISSION CERTIFICATION	RECREATIONAL ENGINE DUTY	LIGHT COMMERCIAL ENGINE DUTY	BASE ENGINE
BRAVO TURBO DIESEL REPOWER - ENGINE ONLY										
4-40200005U	MERCURY DIESEL 2.0L 170 (VGT)	170	4000	266	2000	I-4	TIER 3	Y	Y	VM
4-4D310001A	MERCURY DIESEL 3.0L 270	270	4000	409	2000	V-6	TIER 3	Y	N	VM
INBOARD TURBO DIESEL REPOWER - with Transmission, Non-DTS										
3-3D310016A	MERCURY DIESEL 3.0L-270 68IV 1.99	270	4000	409	2000	V-6	TIER 3	Y	N	VM
3-3D310058A	MERCURY DIESEL 3.0L-270 68A 1.93	270	4000	409	2000	V-6	TIER 3	Y	N	VM

DIESEL TIER 3 SERVICE PARTS

MERCURY Diesel

Part Number	Description	Notes
3.0L V6 VM TIER 3 - PARTS		
8M0170700	3.0L Longblock, Tier 3	1 per engine
57-8M0129918	Accessory Drive Belt - Sterndrive	1 per engine
57-8M0148883	Accessory Drive Belt - Inboard	1 per engine
35-8M0135210	Fuel Filter	1 per engine
35-8M0183282	Oil Filter Element-Includes O-Ring	1 per engine
35-8M6004711	Air Filter	1 per engine
8M0056956	Seawater Pump Impeller	1 per engine
25-879312026	O-Ring - for Seawater Pump	1 per seawater pump
25-8M0150249	O-Ring - for Intercooler Tubestack Core	4 per engine
25-896332126	O-Ring - for Heat Exchanger Tubestack Core	4 per engine
25-8M0150291	O-Ring - for Seawater Strainer	1 per engine
8M0155633	Seawater Pump Assembly	1 per engine
8M0152586	Alternator	1 per engine
8M0153366	Starter	1 per engine
8M0231350	Circulating Water Pump	1 per engine
8M0232685	Thermostat	1 per engine
8M0129698	Fuel Injector	6 per engine
8M0182655	Glow Plug	6 per engine
71-8M0157742	Pressure Sensor	1 per engine
35-8M0129887	Fuel Primer Assembly	1 per engine
8M0153357	Fuel Injector Pump	1 per engine
8M0129718	Temperature Sensor	1 per engine
12-889153	Sealing Washer - Turbo Oil Line	2 per engine
12-889153	Sealing Washer - Turbo Coolant Line	2 per engine
12-881791	Sealing Washer - Turbo Coolant Line	2 per engine
8M0156744	Turbocharger	1 per engine
VM 2.0L I4 TIER 3 - PARTS		
879172001	2.0L Longblock, Tier 3 S/N 70000000 & Up	1 per engine
57-879172120	Accessory Drive Belt	1 per engine
35-879172104	Fuel Filter	1 per engine
35-879312041	Oil Filter	1 per engine
35-879172143	Air Filter	1 per engine
879150027	Water Strainer	1 per engine
47-879312025	Seawater Pump Impeller	1 per engine
25-879312026	O-Ring - for Seawater Pump	1 per seawater pump
97-8M0151541	Anode Assy - Heat Exchanger	1 per engine
19-8M0091948	Cap - Pressure	1 per engine
8M0148530	Seawater Pump Assembly	1 per engine
898101505	Alternator	1 per engine
50-898101740	Starter	1 per engine
8M0232683	Circulating Water Pump	1 per engine
27-879172102	Gasket - Circulating Water Pump	1 per engine
879150054	Thermostat	1 per engine
898101664	Fuel Injector	4 per engine
879172103	Fuel Pressure Regulator	1 per engine
879172105	Fuel Pressure Sensor	1 per engine
898101499	Fuel Injector Pump	1 per engine
57-898101793	Timing Belt	1 per engine
12-881791	Washer - Turbo Oil Line	2 per engine
8M0103537	Turbocharger (150-170 HP)	1 per engine

ZEUS GEARCASE DIESEL SERVICE PARTS

MERCURY GO BOLDLY.™

ZEUS GC DIESEL SERVICE PARTS

Part Number	Description	Repair Quantity	Notes
ZEUS GEARCASES - HARDWARE REQUIRED - SEE BELOW			
1600-879345T44	Zeus Gearcase Assy - 1.478 Ratio	1	
1600-879345T43	Zeus Gearcase Assy - 1.611 Ratio	1	
ZEUS PROPS			
48-8M8023860	Zeus Prop - M7 5 BL	1	
48-8M8023870	Zeus Prop - M7 4 BL	1	
48-8M8023890	Zeus Prop - M9 5 BL	1	
48-8M8023910	Zeus Prop - M9 4 BL	1	
48-8M8023940	Zeus Prop - M11 5 BL	1	
48-8M8023950	Zeus Prop - M11 4 BL	1	
ZEUS GEARCASE HARDWARE - REQUIRED FOR CHANGING ZEUS GEARCASE			
16-8M0110668	Stud	8	Torque - 144 inch-pounds use 271 Loctite
16-8M0007531	Stud	2	Torque - 144 inch-pounds use 271 Loctite
12-4002321	Washers	10	
10-896895	Nuts	10	
25-8M0007558	O-Ring	1	
25-891935	O-Ring @ 3	1	
25-8M0079852	Split-Ring	1	
ZEUS ANODES			
97-879150A65	Zeus Trim Tab Anode Kit	1	2 Anodes included for one trim tab per kit
97-8M0074249	Anode Assembly	1	Ceramic Anode Included
11-400211	Nut M5X0.8	3	Retaining hardware for anode assembly
8M0021534	Ceramic Anode	1	
10-8M0045752	Screw M8X16	3	Retaining hardware for Ceramic anode
ZEUS GEARCASE & TRIM SYSTEM PARTS			
1600-879345T46	Nose Cone	1	If damaged, typically need to change gearcase
25-8M0007618	O-Ring	1	
8M0072969	Skeg	1	Loctite 680 shipped with Skeg, order 2 pins listed below
17-8M0072584	Shear Pins	2	Drill or punch out pins, installed with Loctite 680
26-8M0033407	Inner Propshaft Seal	1	
26-861694	Outer Propshaft Seal	1	Same as Bravo Three, stock some more for Zeus
879312A07	Gearset & Propshaft Kit - 18/29 Tooth Count	1	
879150A69	Gearset & Propshaft Kit - 23/24 Tooth Count	1	
8M0058357	Bearing carrier	1	
10-8M0010988	Screws	2	Torque - 65 ft-lbs use 271 Loctite
92-809819	Threadlocker 10 ml	1	Loctite 271, 10ml bottle
45-879345T48	Upper Driveshaft	1	
8M0192262	Spline Coupler Assembly	1	
45-879345T47	Lower Driveshaft	1	
879150A78	Kingpin Adapter - Port	1	
879150A83	Kingpin Adapter - Starboard	1	
10-8M0042302	Screw @ 2	6	Torque - 85 ft-lbs use 271 Loctite
26-8M0045622	Oscillating Seal @ 2	1	Need 1, 2 per pack
8M8025206	Steering Actuator	1	
26-8M0045622	Oscillating Seal @ 2	1	
879345T72	Trim tab Assembly	1	
17-8M0007594	Hinge Pin	1	
8M0007600	Hinge Blocks	2	
17-8M0007595	Pin	1	
12-4002320	Washer	1	
10-4010816	Screw	1	Torque - 20 ft-lbs use 271 Loctite
8M8023292	Trim Tab Cylinder	1	
10-8M0041797	Screw @ 2	2	Torque - 30 ft-lbs use 271 Loctite
8M0082646	Ring Kit	1	
44-8M0054065	Inner Propshaft	1	
31-8M0048520	CUp Spacer Bearing	1	
92-802844Q02	Gear Lube 8 oz @ 12	2	Use 5.5 Quarts during 20-hour break in period only
92-858065Q01	Gear Lube 2.5 gal @ 2	1	Use 5.5 Quarts after 20-hour break in period only
8M0074256	Bronze Repair Kit	1	Use to repairs gouges in Zeus gearhousing

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Stern Drive	✓	✓	✓	✓	✓		✓	
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Motorcycles	✓	✓		✓	✓	✓		✓		
Snowmobiles	✓	✓			✓			✓		
Trailers					✓				✓	✓
Auto		✓	✓	✓	✓	✓	✓	✓		

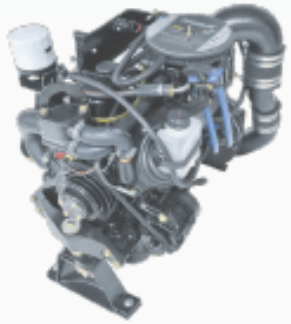


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8M0208464	2-4-C Marine Lubricant - 3 oz. Cartridges - 3-pack @ 10
8M0208465	2-4-C Marine Lubricant - 8 oz. Tube @ 12
8M0208463	2-4-C Marine Lubricant - 14 oz. Cartridge @ 10
8M0133985	Assembly Grease - 16 oz. Tub @ 4
8M0208805	Extreme Grease - 3 oz. Cartridges - 3 Pack @ 10
8M0208806	Extreme Grease - 8 oz. Tube @ 6
8M0208462	Extreme Grease - 14 oz. Cartridge @ 10
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37299Q2	Grease Gun (Pistol Grip) for 8 oz. Tube - @ 4
74057Q6	Grease Gun for 3 oz. Cartridge

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3.0L Alpha TKS



350 MPI Alpha



350 MPI Bravo



383 MPI FWC Bravo



409 MPI FWC Bravo

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350 MPI Alpha	8M0187359	300	Kit
350 MPI Bravo	8M0187360	300	Kit
383 MPI FWC Bravo	8M0187361	350	Standard
409 MPI FWC Bravo	8M0185589	400	Standard

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