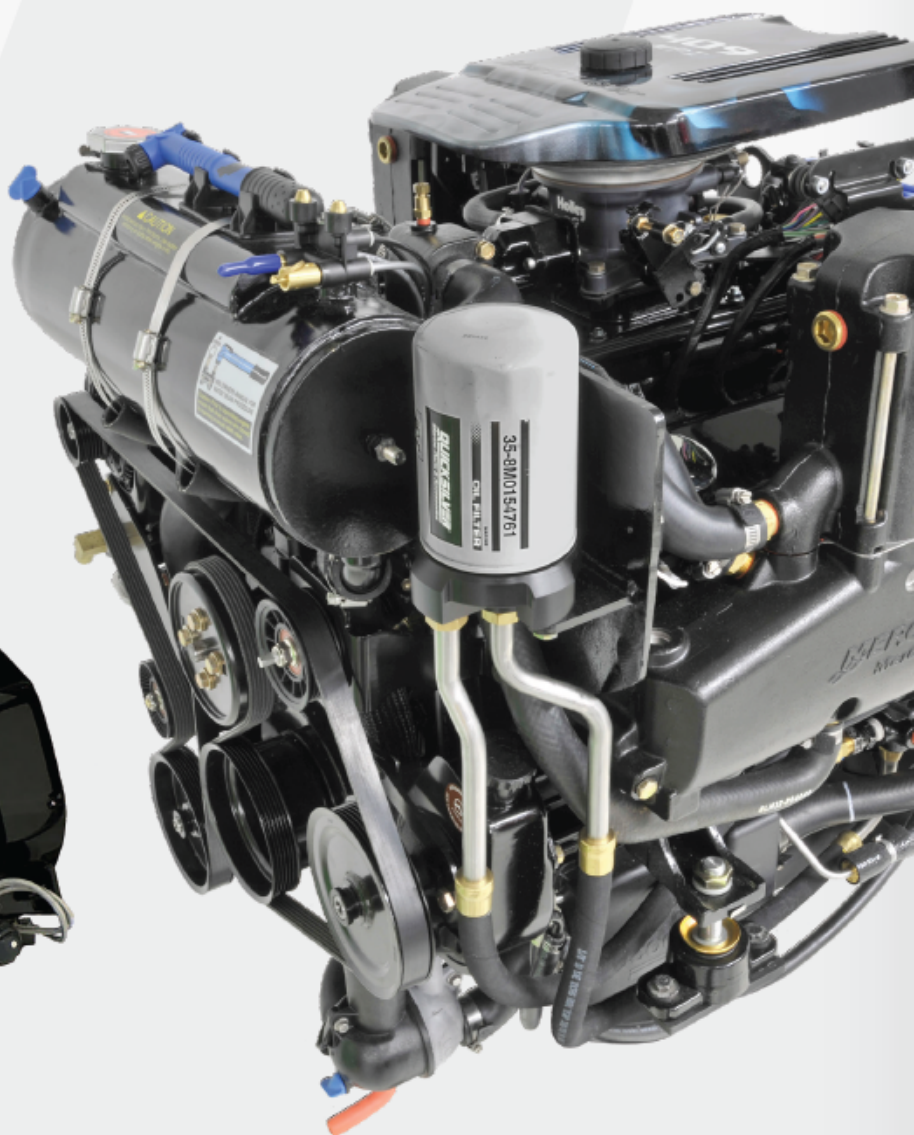




# *Repower* Product Guide



EMEA Edition

2025

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





## Quicksilver Grease Product Line

Quicksilver Grease provides better rust and corrosion protection for various boat, automotive and powersport applications. It also provides better wear protection in high temperature, high load applications. For the user's convenience, we've made a grease application chart for many common uses.

### 2-4-C Marine Grease

| Marine Application | Steering systems/<br>cable, linkages | Throttle & shift<br>cables & linkages | Remote<br>controls | Prop<br>shafts | Swivel pins | Tilt lock mechanism/<br>tilt tube | Hinge pins | Wheel<br>Bearings |
|--------------------|--------------------------------------|---------------------------------------|--------------------|----------------|-------------|-----------------------------------|------------|-------------------|
| Outboard           | ✓                                    | ✓                                     | ✓                  | ✓              | ✓           | ✓                                 |            |                   |
| Stern Drive        | ✓                                    | ✓                                     | ✓                  | ✓              | ✓           |                                   | ✓          |                   |
| Boat Trailers      |                                      |                                       |                    |                |             |                                   |            | ✓                 |

### Extreme Grease

| Marine Application | Drive shaft<br>splines<br>(engine couplers) | Gimbal<br>bearings | U-joints |
|--------------------|---------------------------------------------|--------------------|----------|
| Outboard           | ✓                                           |                    |          |
| Stern Drive        | ✓                                           | ✓                  | ✓        |

*Extreme Grease*

- Superior rust and corrosion protection
- Won't break down under high heat

*2-4-C Marine Grease*

- Better wear protection
- Compatible with other greases

| Other Applications | Steering systems/<br>cable, linkages | Throttle & shift<br>cables & linkages | Drive shaft<br>splines | U-joints | Suspension<br>systems | Chassis | Ball<br>joints | Disc<br>brakes & ABS<br>applications | Camper wheel<br>bearings | Utility trailer<br>wheel bearings |
|--------------------|--------------------------------------|---------------------------------------|------------------------|----------|-----------------------|---------|----------------|--------------------------------------|--------------------------|-----------------------------------|
| ATV/UTV            | ✓                                    | ✓                                     |                        | ✓        | ✓                     | ✓       |                | ✓                                    |                          |                                   |
| Motorcycles        | ✓                                    | ✓                                     |                        | ✓        | ✓                     | ✓       |                | ✓                                    |                          |                                   |
| Snowmobiles        | ✓                                    | ✓                                     |                        |          | ✓                     |         |                | ✓                                    |                          |                                   |
| Trailers           |                                      |                                       |                        |          | ✓                     |         |                |                                      | ✓                        | ✓                                 |
| Auto               |                                      | ✓                                     | ✓                      | ✓        | ✓                     | ✓       | ✓              | ✓                                    |                          |                                   |

### Other Grease & Accessories



#### *Assembly Grease*

- Use to protect newly repaired or rebuilt engines.
- Will not contaminate engine lubricants and dissolves completely after initial engine start up.
- Conveniently packaged in 1 lb tubs

| Part Number | Product Description                                       |
|-------------|-----------------------------------------------------------|
| 8M0213123   | 2-4-C Marine Lubricant & Grease Gun - 3 oz. Cartridge @ 4 |
| 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                    |
| 30500       | Grease Gun (Plunger Type) for 8 oz. Tube - @ 5            |
| 37299Q2     | Grease Gun (Pistol Grip) for 8 oz. Tube - @ 4             |
| 74057Q6     | Grease Gun for 3 oz. Cartridge                            |

For more information on Quicksilver Oil Filters and other top-performing marine parts, go to [www.quicksilver-products.com](http://www.quicksilver-products.com)



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**Notes:**

[illegible]

## 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 lineup 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](http://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 the 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

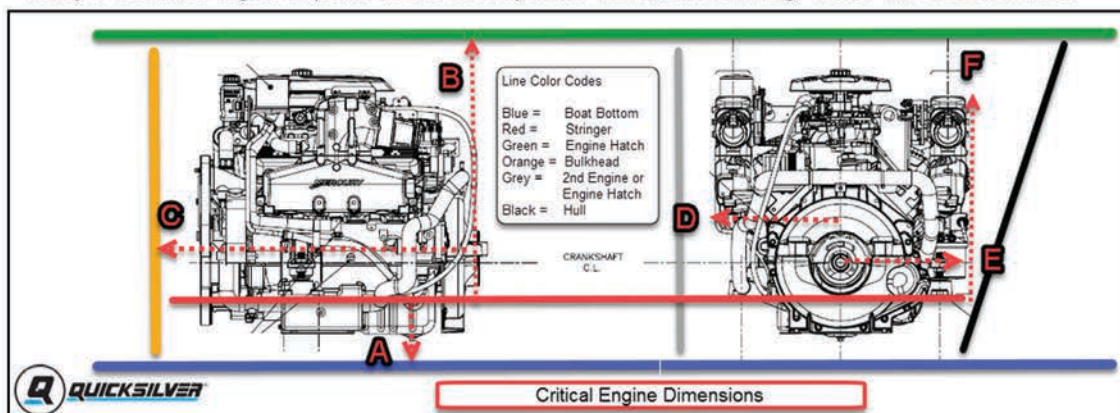
- Gas & Diesel Engine Longblocks – New & Remanufactured
  - Benefits:
    - Lower upfront part cost
    - No impact to installation
    - No regulatory restrictions
    - Few boat application issues
  - Drawbacks:
    - High labor & time cost = lower shop productivity
    - May not fix real cause of 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

# REPOWER CONSIDERATIONS

## 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 1/2" 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

## OUTBOARD PRE-DELIVERY CHECK LIST



### OUTBOARD PRE-DELIVERY INSPECTION

Customer Name \_\_\_\_\_

Horsepower \_\_\_\_\_ Serial No. \_\_\_\_\_ Propeller Size & Type \_\_\_\_\_

Boat Brand \_\_\_\_\_ Boat Model \_\_\_\_\_ Length \_\_\_\_\_  
(if applicable) (if applicable)

| Not<br>Applicable        | Check/<br>Adjust         |                                                                  | Not<br>Applicable        | Check/<br>Adjust         |                                            |
|--------------------------|--------------------------|------------------------------------------------------------------|--------------------------|--------------------------|--------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <b>CHECK BEFORE RUNNING</b>                                      | <input type="checkbox"/> | <input type="checkbox"/> | <b>CHECK WHILE RUNNING</b>                 |
| <input type="checkbox"/> | <input type="checkbox"/> | Service Bulletin updates or repairs completed?                   | <input type="checkbox"/> | <input type="checkbox"/> | Rewind starter/neutral interlock operation |
| <input type="checkbox"/> | <input type="checkbox"/> | Lower unit lubricant                                             | <input type="checkbox"/> | <input type="checkbox"/> | Electric starter/neutral safety switch     |
| <input type="checkbox"/> | <input type="checkbox"/> | Tilt tube and swivel pin lubrication                             | <input type="checkbox"/> | <input type="checkbox"/> | Manual choke operation                     |
| <input type="checkbox"/> | <input type="checkbox"/> | Engine tight on transom, height correct and centered             | <input type="checkbox"/> | <input type="checkbox"/> | Electric check or enricher operation       |
| <input type="checkbox"/> | <input type="checkbox"/> | Fuel line and fuel tank installation                             | <input type="checkbox"/> | <input type="checkbox"/> | Tell-tale water stream                     |
| <input type="checkbox"/> | <input type="checkbox"/> | Gasoline-oil mixture for break-in                                | <input type="checkbox"/> | <input type="checkbox"/> | Instrument(s) operation                    |
| <input type="checkbox"/> | <input type="checkbox"/> | Co-pilot adjustment                                              | <input type="checkbox"/> | <input type="checkbox"/> | Check idle RPM _____                       |
| <input type="checkbox"/> | <input type="checkbox"/> | Steering operation through complete range                        | <input type="checkbox"/> | <input type="checkbox"/> | Idle RPM _____                             |
| <input type="checkbox"/> | <input type="checkbox"/> | Remote control operation                                         | <input type="checkbox"/> | <input type="checkbox"/> | Throttle and shift, ease of operation      |
| <input type="checkbox"/> | <input type="checkbox"/> | Electrical harness installation                                  | <input type="checkbox"/> | <input type="checkbox"/> | Steering operation throughout range        |
| <input type="checkbox"/> | <input type="checkbox"/> | Battery fully charged and properly secured                       | <input type="checkbox"/> | <input type="checkbox"/> | Reverse operation and reverse lock hooks   |
| <input type="checkbox"/> | <input type="checkbox"/> | Battery cable connections tight and protective cover(s) in place | <input type="checkbox"/> | <input type="checkbox"/> | Shallow water drive                        |
| <input type="checkbox"/> | <input type="checkbox"/> | Instrument connections                                           | <input type="checkbox"/> | <input type="checkbox"/> | Power trim operation                       |
| <input type="checkbox"/> | <input type="checkbox"/> | Manual tilt operation                                            | <input type="checkbox"/> | <input type="checkbox"/> | Trim tab adjustment                        |
| <input type="checkbox"/> | <input type="checkbox"/> | Manual tilt valve operation                                      | <input type="checkbox"/> | <input type="checkbox"/> | Tilt angle adjustment                      |
| <input type="checkbox"/> | <input type="checkbox"/> | Power trim oil level                                             | <input type="checkbox"/> | <input type="checkbox"/> | Maximum RPM/Timing _____                   |
| <input type="checkbox"/> | <input type="checkbox"/> | Power trim and tilt operation                                    | <input type="checkbox"/> | <input type="checkbox"/> | Stop switch and lanyard stop switch        |
| <input type="checkbox"/> | <input type="checkbox"/> | Check for tight steering link and fasteners                      |                          |                          | <b>CHECK AFTER RUNNING</b>                 |
| <input type="checkbox"/> | <input type="checkbox"/> | Fill oil injection reservoir(s)                                  | <input type="checkbox"/> | <input type="checkbox"/> | Oil, gasoline, or water leakage            |
| <input type="checkbox"/> | <input type="checkbox"/> | Purge air from oil injection system                              | <input type="checkbox"/> | <input type="checkbox"/> | Propeller nut torque                       |
| <input type="checkbox"/> | <input type="checkbox"/> | Check operation of low oil and overheat warning horns            | <input type="checkbox"/> | <input type="checkbox"/> | Power trim and oil injection oil levels    |
| <input type="checkbox"/> | <input type="checkbox"/> | Shift cable adjustment                                           | <input type="checkbox"/> | <input type="checkbox"/> | 4-cycle engine oil level                   |
| <input type="checkbox"/> | <input type="checkbox"/> | Select correct propeller, install and torque                     | <input type="checkbox"/> | <input type="checkbox"/> | CARB Hang Tag and Owners Manual in Boat*   |
| <input type="checkbox"/> | <input type="checkbox"/> | 4-cycle engine oil level                                         | <input type="checkbox"/> | <input type="checkbox"/> | CARB Decal properly affixed to boat hull*  |
| <input type="checkbox"/> | <input type="checkbox"/> | Warning gauge installed                                          |                          |                          |                                            |
| <input type="checkbox"/> | <input type="checkbox"/> | SmartCraft gauge(s) calibrated                                   |                          |                          |                                            |

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



P/N 8M0233060

## PRE-DELIVERY CHECK LIST - REPOWER

## PREDELIVERY INSPECTION—REPOWER

## Predelivery Inspection Checklist

Serial Number: \_\_\_\_\_

Not  
Applicable

Check /  
Adjust

Task

## Check Before Running:

- |                          |                          |                                                                  |
|--------------------------|--------------------------|------------------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Drain plug in and petcocks closed                                |
| <input type="checkbox"/> | <input type="checkbox"/> | Seawater inlet valve open                                        |
| <input type="checkbox"/> | <input type="checkbox"/> | Engine mounts tight                                              |
| <input type="checkbox"/> | <input type="checkbox"/> | Engine alignment                                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | Drive unit fasteners torqued                                     |
| <input type="checkbox"/> | <input type="checkbox"/> | Power trim cylinders fasteners tight                             |
| <input type="checkbox"/> | <input type="checkbox"/> | Battery fully charged and secured                                |
| <input type="checkbox"/> | <input type="checkbox"/> | All electrical connections tight                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | Exhaust system hose clamps tight                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | All fuel connections tight                                       |
| <input type="checkbox"/> | <input type="checkbox"/> | Correct rotation propeller (installed and torqued)               |
| <input type="checkbox"/> | <input type="checkbox"/> | Throttle, shift and steering system fasteners tightened properly |
| <input type="checkbox"/> | <input type="checkbox"/> | Throttle plates open and close completely                        |
| <input type="checkbox"/> | <input type="checkbox"/> | Crankcase oil level                                              |
| <input type="checkbox"/> | <input type="checkbox"/> | Power trim oil level                                             |
| <input type="checkbox"/> | <input type="checkbox"/> | Stemdrive unit oil level                                         |
| <input type="checkbox"/> | <input type="checkbox"/> | Power steering fluid level                                       |
| <input type="checkbox"/> | <input type="checkbox"/> | Closed cooling level                                             |
| <input type="checkbox"/> | <input type="checkbox"/> | Transmission fluid level                                         |
| <input type="checkbox"/> | <input type="checkbox"/> | Alternator belt tension                                          |
| <input type="checkbox"/> | <input type="checkbox"/> | Seawater pickup pump belt tension                                |
| <input type="checkbox"/> | <input type="checkbox"/> | Power assisted steering pump belt tension                        |
| <input type="checkbox"/> | <input type="checkbox"/> | Audio warning system operation                                   |

Not  
Applicable

Check /  
Adjust

Task

## On-Water Testing:

- |                          |                          |                                                       |
|--------------------------|--------------------------|-------------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Engine alignment (inboards only)                      |
| <input type="checkbox"/> | <input type="checkbox"/> | Starter neutral safety switch operation               |
| <input type="checkbox"/> | <input type="checkbox"/> | Water pump operation                                  |
| <input type="checkbox"/> | <input type="checkbox"/> | Instruments operation                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | Fuel leaks                                            |
| <input type="checkbox"/> | <input type="checkbox"/> | Oil leaks                                             |
| <input type="checkbox"/> | <input type="checkbox"/> | Water leaks                                           |
| <input type="checkbox"/> | <input type="checkbox"/> | Exhaust leaks                                         |
| <input type="checkbox"/> | <input type="checkbox"/> | Ignition timing                                       |
| <input type="checkbox"/> | <input type="checkbox"/> | Idle _____ RPM, within specifications                 |
| <input type="checkbox"/> | <input type="checkbox"/> | Forward - Neutral - Reverse gear operation            |
| <input type="checkbox"/> | <input type="checkbox"/> | Steering operation throughout range                   |
| <input type="checkbox"/> | <input type="checkbox"/> | Acceleration from idle RPM                            |
| <input type="checkbox"/> | <input type="checkbox"/> | WOT _____ RPM within specifications (in forward gear) |
| <input type="checkbox"/> | <input type="checkbox"/> | Power trim operation                                  |
| <input type="checkbox"/> | <input type="checkbox"/> | Trim tab adjustment/Boat handling                     |

## After On-Water Testing:

- |                          |                          |                                                     |
|--------------------------|--------------------------|-----------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | Propeller nut torque                                |
| <input type="checkbox"/> | <input type="checkbox"/> | Fuel, oil, coolant, water, and fluid leaks          |
| <input type="checkbox"/> | <input type="checkbox"/> | Oil and fluid levels                                |
| <input type="checkbox"/> | <input type="checkbox"/> | Apply Quicksilver Corrosion Guard to engine package |
| <input type="checkbox"/> | <input type="checkbox"/> | Verify presence of operation and maintenance manual |

## For boats registered to residents of California:

- |                          |                          |                                          |
|--------------------------|--------------------------|------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | CARB hang tag in boat                    |
| <input type="checkbox"/> | <input type="checkbox"/> | CARB decal properly affixed to boat hull |
| <input type="checkbox"/> | <input type="checkbox"/> | California Prop 65 hang tag in boat      |

Dealer / Technician Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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

Mercury, Mercury Marine, MerCruiser, Mercury MerCruiser, Mercury Racing, Mercury Precision Parts, Mercury Propellers, Mariner, Quicksilver, Alpha, Avius, Bravo One, Bravo Two, Bravo Three, K-Planes, MerCathode, OptiMax, Precision Pilot, Pro Max, SeaCore, Skyhook, SmartCraft, Sport-Jet, Total Command, Verado, VesselView, Zero Effort, Zeus, #1 On The Water, M with Waves logo, Mercury with Waves logo, and SmartCraft logo are all registered trademarks of Brunswick Corporation. Mercury Product Protection logo is a registered service mark of Brunswick Corporation.

90-8M0099510 OCTOBER 2014

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**RCD EXEMPTION FORM****ACKNOWLEDGMENT FORM****TO WHOM IT MAY CONCERN**

The Undersigned agrees, acknowledges, and confirms that the Engine is or will be used in the European Union, Norway and/or Switzerland:

a) The Manufacturer sells the Engine to the Undersigned solely for non-RCD applications or re-export outside the European Union, Norway and/or Switzerland so has to be excluded from the scope of Directive 2003/44/EC of June 16, 2003 amended by Directive, 2013/53/EU of January 17, 2016; as such Directive is implemented under applicable laws and regulations and similar Swiss laws and regulations.

b) The Undersigned shall use its best efforts to obtain an acknowledgment from its customer that the engine will solely be used for the purpose described under (a).

c) The Undersigned shall not sell such engine to a customer if it knows or reasonably should know that such customer will use such engine for another purpose than the purpose described under (a).

For the purpose of this Acknowledgment Form, the following words shall have the following meaning:

**Undersigned:**

\_\_\_\_\_  
(name)  
\_\_\_\_\_  
(address)  
\_\_\_\_\_  
(country)

**Engine:**

\_\_\_\_\_  
(type, model)

Serial Nr: \_\_\_\_\_

Order Nr: \_\_\_\_\_

**For the Undersigned:**

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

225 - 300 PROXS DRESSED POWERHEADS



# DRESSED POWERHEADS

## No Guts, No Glory

Introducing fully blueprinted Quicksilver® Remanufactured dressed powerheads and the CPO TM1 gearcase for the Mercury 225 & 250 ProXS outboards.

All new fuel rails, PCM, injectors, air pump, and electrical are bolted to a Quicksilver Remanufacturing powerhead. This delivers a powerhead that is fully dressed, factory hot-tested, and ready to fish.

With a 1 year limited factory backed Mercury P&A warranty, these can get you back on the water in record time without breaking the bank.



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

### Mercury 3.0L V6 Pro XS and 3.2L XS Two-Stroke

| Part Number      | Description  | Serial # Range | Notes                                  |
|------------------|--------------|----------------|----------------------------------------|
| 714-61-8M0128367 | 225hp Pro XS | 1B973744 & up  | Compatible with exhaust tube 8M0075819 |
| 714-61-8M0125790 | 250hp Pro XS | 1B973744 & up  | Compatible with exhaust tube 8M0075819 |
| 714-61-8M0137238 | 300hp XS     | 1E052058 & up  | Compatible with exhaust tube 833116A14 |



## 2-STROKE FULLY DRESSED POWERHEADS

### 2-STROKE FULLY DRESSED POWERHEADS

Introducing Quicksilver fully dressed remanufactured powerheads for Mercury outboards. A fully dressed powerhead minimizes cost, reduces installation time, improves reliability, and has customers ready to fish in record time.

100% new dress parts such as: plenum, TBU, sensors, calibrated fuel rails, alternator, VST, injectors, air pump, and electrical are installed onto a factory remanufactured powerhead from Quicksilver. A new PCM is set for the break-in period, and the full assembly is factory hot tested prior to shipment. For best performance, inspect the old exhaust tube prior to powerhead installation to verify it is not plugged nor corroded.

With a 1-year limited factory backed, Fully Dressed Powerheads get you back on the water in record time without breaking the bank.

#### 225 PROXS DRESSED POWERHEAD



**61-8M0128367**

Remanufactured outboard powerhead, 100% new dress parts. Direct Fuel Injection Technology. Compatible with exhaust tube 8M0075819.

Fits the Mercury/Mariner V-225 Pro XS, DFI (3.0L) OptiMax outboard, 1B973744 - 2B535608.

#### 250 PROXS DRESSED POWERHEAD



**61-8M0125790**

Remanufactured outboard powerhead, 100% new dress parts. Direct Fuel Injection Technology. Compatible with exhaust tube 8M0075819.

Fits the Mercury/Mariner V-250 Pro XS, DFI (3.0L) OptiMax outboard, 1B973744 - 2B535608.

4-STROKE DRESSED POWERHEADS



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.



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 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      |
|           |                           | 2025        |                     |                 |                   |
| 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             | 61-8M0128367      |
| 250 ProXS | 3.0L Dressed Powerhead    | 2007 - 2018 | 1B973744 - 2B535608 | N/A             | 61-8M0125790      |
| 300 XS    | 3.2L Dressed Powerhead    | 2013 - 2025 | 1E052058 and up     | N/A             | 61-8M0137238      |
| 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      |
| Verado    | V8 250-300 DTS AMS        | 2020 - 2025 | 2B529482 and up     | N/A             | 61-8M0171851      |

OUTBOARD AND SPORT JET

## REMANUFACTURED 2-STROKE OUTBOARD POWERHEADS

### REMANUFACTURED 2-STROKE OUTBOARD POWERHEADS

Quicksilver offers a wide variety of 2-Stroke and 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.

#### 3.0 LITER POWERHEAD, MERCURY/MARINER

##### POWERHEAD OUTBOARD



##### **61-841017R51**

Remanufactured outboard powerhead, Direct Fuel Injection technology.

Fits the Mercury/Mariner V-250 XS, DFI (3.0L) outboard (0T651945 and above), and also fits the V-250 Pro XS, DFI (3.0L) outboard (1B426561 and above).

##### **877869R04**

Remanufactured outboard powerhead, Direct Fuel Injection technology.

Fits the Mercury/Mariner V-225 Optimax DFI (3.0L) outboard, 0T599000 - 2B535086.

## 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

OUTBOARD AND SPORT JET

### OUTBOARD POWERHEAD CROSS REFERENCE CHART

#### Outboard 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 | 61-897148A09    | 8M0188317         |
| 75/80 FourStroke | 4 cylinder EFI (2.1L)     | 2025        | 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 | 61-897148A09    | 8M0188317         |
| 90 FourStroke    | 4 cylinder EFI (2.1L)     | 2025        | 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 | 61-897148A09    | 8M0188317         |
| 100 FourStroke   | 4 cylinder EFI (2.1L)     | 2025        | 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    | 61-8M0054063      |
| 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 | 61-896499A07    | 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     | 883511T04       | 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.            |

# OUTBOARD POWERHEAD CROSS REFERENCE CHART

| Model              | Model Notes                   | Year Range  | Serial # Range      | New Part Number | Reman Part Number |
|--------------------|-------------------------------|-------------|---------------------|-----------------|-------------------|
| 150 Verado         | 4 cylinder, Gen I             |             | 1B227000 - 1B517158 | 61-896499A07    | N.L.A.            |
| 150 Verado         | 4 cylinder, Gen II            |             | 1B517159 and up     | 61-896499A08    | N.L.A.            |
| 150 EFI FourStroke | 4 cylinder EFI                | 2012 - 2025 | 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 | 883600T04       | N.L.A.            |
| V-175 DFI          | 2.5L                          | 2001        | 0T178500 and up     | 879809T07       | N.L.A.            |
| 175 Verado         | 4 cylinder, Gen I             |             | 1B227000 - 1B517158 | 61-896499A07    | 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) | 813043R97         |
| 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) | 813043R97         |
| V-200 EFI          | 2.5L                          | 2000 - 2001 | 0G960500 - 0T408999 | 813043T00 (NLA) | N.L.A.            |
| V-200 EFI          | 2.5L                          | 2002        | 0T409000 and up     | 883600T04       | 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 | 61-896499A07    | 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       | 877869R04         |
| 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

OUTBOARD AND SPORT JET

| Model        | Model Notes                   | Year Range  | Serial # Range      | New Part Number | Reman Part Number |
|--------------|-------------------------------|-------------|---------------------|-----------------|-------------------|
| 225 Verado   | 6 cylinder, Gen V             | 2015 - 2025 | 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    | 61-841017R51      |
| V-250 Pro XS | 3.0L                          | 2006 - 2025 | 1B426561 and up     | 61-841017A52    | 61-841017R51      |
| 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 - 2025 | 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 | 61-840756A04    | 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 - 2025 | 2B144123 and up     | 61-896966A07    | 8M0188321         |

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

# REMANUFACTURED VERADO SUPERCHARGERS

## REMANUFACTURED VERADO SUPERCHARGERS

Quicksilver offers all generations of remanufactured superchargers for the 135-300 HP consumer Verado products. Assembled & tested using factory tooling, these superchargers receive the latest machining updates and parts upgrades to provide years of quiet and durable performance. Quicksilver's remanufactured Verado superchargers come with a 1-year factory limited warranty.

### VERADO 6 - CYLINDER SUPERCHARGER

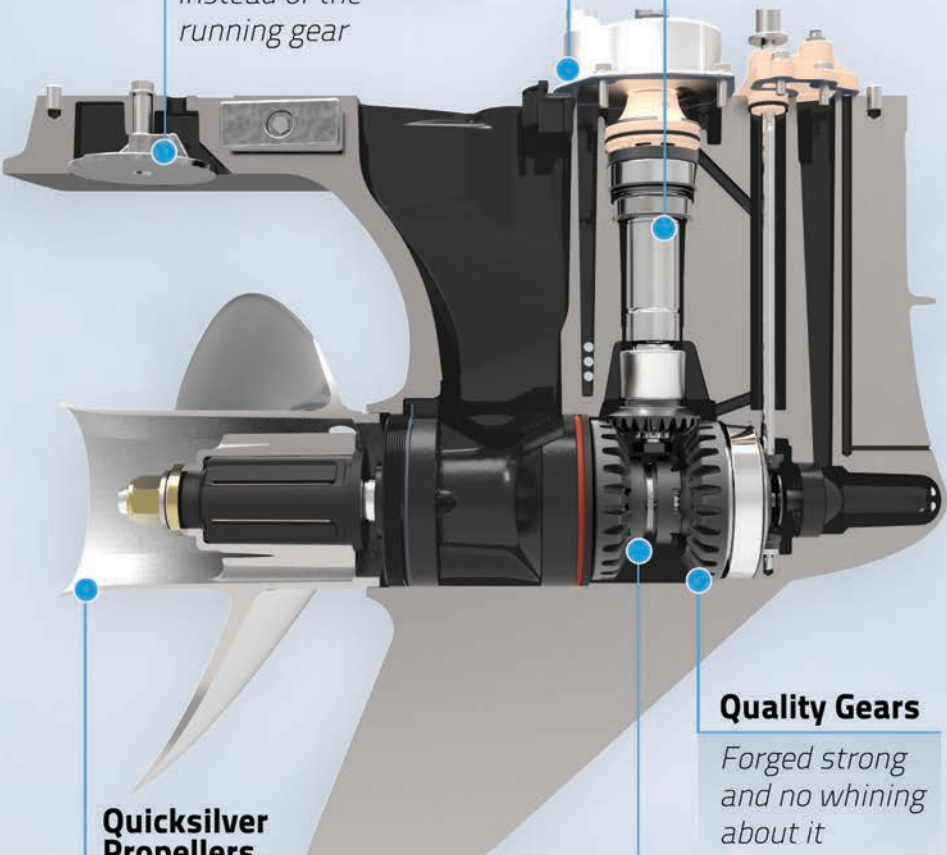


**8M0124363**

Factory remanufactured.  
Fits the 225/250/300hp. Verado 6-cylinder outboard.  
Serial number range 2B144123 and above.

OUTBOARD GEARCASE

OUTBOARD AND SPORT JET



**QUICKSILVER®**  
*Marine Parts & Accessories*

**Genuine Water Pump**  
*Keeps you cool  
all season long*

**Ultra - Pure Anodes**  
*Sacrifice themselves  
instead of the  
running gear*

**Durable Shafts**  
*Friction welded to  
run strong and not  
get twisted or bent*

**QuickSilver Propellers**  
*Go Fast  
Save Gas*

**High Performance Gear Lube**  
*The secret ingredient  
to long gear life*

**Quality Gears**  
*Forged strong  
and no whining  
about it*

**ORIGINAL PARTS**  
EVERYTHING'S RIDING ON IT

MERCURY MARINE® MC 4043

# OUTBOARD GEARCASES - NEW

## 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



## 1623-859399T13

Black, 1.75 Gear Ratio, 20 " shaft. 12 pinion teeth, Standard Rotation (RH)  
13-Spline driveshaft.  
Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards.  
(s/n 1B504988 and prior)

## 1623-859399T14

Black, 1.75 Gear Ratio, 25 " shaft. 12 pinion teeth, Standard Rotation (RH)  
13-Spline driveshaft.  
Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards.  
(s/n 1B504988 and prior)

## 1623-859399T15

Black, 1.75 Gear Ratio, 30 " shaft. 12 pinion teeth, Standard Rotation (RH)  
13-spline driveshaft.  
Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards.  
(s/n 1B504988 and prior)

## 1623-859399T16

Black, 1.75 Gear Ratio, 25 " shaft. 12 pinion teeth, Counter Rotation (LH)  
13 spline driveshaft.  
Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards.  
(s/n 1B504988 and prior)

## 1623-859399T17

Black, 1.75 Gear Ratio, 30 " shaft. 12 pinion teeth, Counter Rotation (LH)  
13 spline driveshaft.  
Fits Mercury or Mariner 200, 225, 250 horsepower 3.0L OptiMax/DFI outboards.  
(s/n 1B504988 and prior)

### GEARCASE ASSEMBLY COMPLETE

## 1600-880686A43

Black, 20 inch (L model) shaft length. 12 pinion teeth, right hand rotation  
Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

## 1600-880686A44

Black, 25 inch (XL model) shaft length. 12 pinion teeth, right hand rotation  
Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

## 1600-880686A51

Black, 30 inch (XXL model) shaft length. 12 pinion teeth, right hand rotation  
Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

## 1600-880686A52

Black, 25 inch (CXL model) shaft length. 12 pinion teeth, left hand counter rotation  
Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

## 1600-880686A53

Black, 30 inch (CXXL model) shaft length. 12 pinion teeth, left hand counter rotation  
Fits the 3.0L Mercury Optimax or Pro XS, s/n 1B504989 and above.

### TORQ MASTER I GEARCASE ASSEMBLY



## 1689-8M0072952

Silver, 1.75:1 gear ratio, 20 inch. 12 pinion teeth. (L model) driveshaft length  
Fits the 3.0L Pro XS, right hand rotation, may only be used in Torque Master I applications. Torque Master II may not be substituted.

### TORQ MASTER I GEARCASE ASSEMBLY



## 1689-8M0072953

Silver, 1.75:1 gear ratio, 25 inch. 12 pinion teeth. (XL model) driveshaft length  
Fits the 3.0L Pro XS, right hand rotation, may only be used in Torque Master I applications. Torque Master II may not be substituted.

## OUTBOARD GEARCASES - NEW

### MERCURY 40-60 HP 4-STROKE OUTBOARD BIGFOOT GEARCASES

#### GEARCASE ASSEMBLY COMPLETE



#### 1667- 9011G90

Black, 2.33:1 gear ratio. 20" long shaft length. 12 pinion teeth.  
Fits Mercury 40-60 hp Bigfoot 4-Stroke Outboards. (s/n 1C033810 & Below Bigfoot)

### MERCURY 75, 90 & 115 HP 4-STROKE OUTBOARD GEARCASES

#### GEARCASE ASSEMBLY COMPLETE



#### 1667- 9011J 2

Black, 2.07:1 gear ratio. 20" long shaft length. 14 pinion teeth.  
Fits Mercury 75-115 hp 4-Cylinder, 4-Stroke Outboards. (s/n 0G960500 – 0T598999)

#### 1600-888845T01

Black, 2.07:1 gear ratio. 20" long shaft length. 14 pinion teeth.  
Fits Mercury 115 hp 4-Cylinder, 4-Stroke Outboards. (s/n 0T801000 – above)

#### 1600-888845T02

Black, 2.07:1 gear ratio. 25" extra long shaft length. 14 pinion teeth.  
Fits Mercury 115 hp 4-Cylinder, 4-Stroke Outboards. (s/n 0T801000 – above)

#### 1667- 9011J29

Black, 2.33:1 gear ratio. 20" long shaft length. 12 pinion teeth.  
Fits Mercury 75-90 hp 4-Cylinder, 4-Stroke Outboards. (s/n 0T599000 – 0T800999)

#### 1600-888845T03

Black, 2.33:1 gear ratio. 20" long shaft length. 12 pinion teeth.  
Fits Mercury 75-90-115 hp 4-Cylinder, 4-Stroke Outboards. (s/n 1B172291 – 1B366822)

### MERCURY 150 HP 4-STROKE OUTBOARD GEARCASES

#### GEARCASE ASSEMBLY COMPLETE



#### 1600-8M0099218

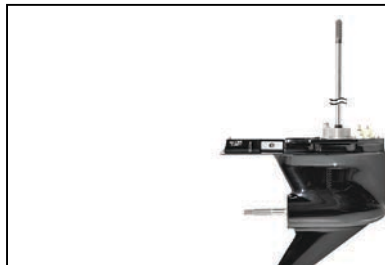
Black, 1.92:1 gear ratio. 20" long shaft length. 13 pinion teeth.  
Fits Mercury 150 hp 4-Cylinder, 4-Stroke Outboards. (s/n 2B138363 – above)

#### 1600-8M0099221

Black, 1.92:1 gear ratio. 25" extra long shaft length. 13 pinion teeth.  
Fits Mercury 150 hp 4-Cylinder, 4-Stroke Outboards. (s/n 2B138363 – above)

### VERADO 135-200 L4 OUTBOARD GEARCASES

#### GEARCASE ASSEMBLY COMPLETE



#### 1600-880686T23

Black, RH, 2.08:1 gear ratio. 20" (L) long shaft length. 13 pinion teeth.  
Fits Mercury 135, 150, 175, 200 hp L4 Verado

#### 1600-880686T24

Black, RH, 2.08:1 gear ratio. 25" (XL) extra long shaft length. 13 pinion teeth.  
Fits Mercury 135, 150, 175, 200 hp L4 Verado

#### 1600-880686T25

Black, LH, 2.08:1 gear ratio. 25" (CXL) extra long shaft length. 13 pinion teeth.  
Fits Mercury 135, 150, 175, 200 hp L4 Verado

### VERADO 200-275 L6 OUTBOARD GEARCASES

#### GEARCASE ASSEMBLY COMPLETE



#### 1600-880686T13

Black, 1.85:1 gear ratio, 20 inch. 13 pinion teeth. (L model) driveshaft length, right hand rotation  
Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

#### 1600-880686T14

Black, 1.85:1 gear ratio, 25 inch. 13 pinion teeth. (XL model) driveshaft length, right hand rotation  
Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

## 1600-880686T15

Black, 1.85:1 gear ratio, 25 inch. 13 pinion teeth. (CXL model) driveshaft length, left hand counter rotation

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

## 1600-880686T16

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

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

## 1600-880686T17

Black, 1.85:1 gear ratio, 30 inch. 13 pinion teeth. (CXXL model) driveshaft length, left hand counter rotation

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter

## VERADO 300 L6 OUTBOARD GEARCASES

### GEARCASE ASSEMBLY COMPLETE



## 1600-880686T54

Black, 1.75:1 gear ratio, 20 inch. 12 pinion teeth (L model) driveshaft length, right hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

## 1600-880686T57

Black, 1.75:1 gear ratio, 20 inch, 12 pinion teeth, (CL model) driveshaft length, left hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

## 1600-880686T55

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

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

## 1600-880686T58

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

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

## 1600-880686T56

Black, 1.75:1 gear ratio, 30 inch, 12 pinion teeth, (XXL model) driveshaft length, right hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

## 1600-880686T59

Black, 1.75:1 gear ratio, 30 inch, 12 pinion teeth, (CXXL model) driveshaft length, left hand counter rotation.

Fits the 6 cylinder Verado with 4.80 inch torpedo diameter.

## 3.0L/350/ CRATE ENGINES

MERCURUISER



### 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.



### 3.0L TKS Crate Engine

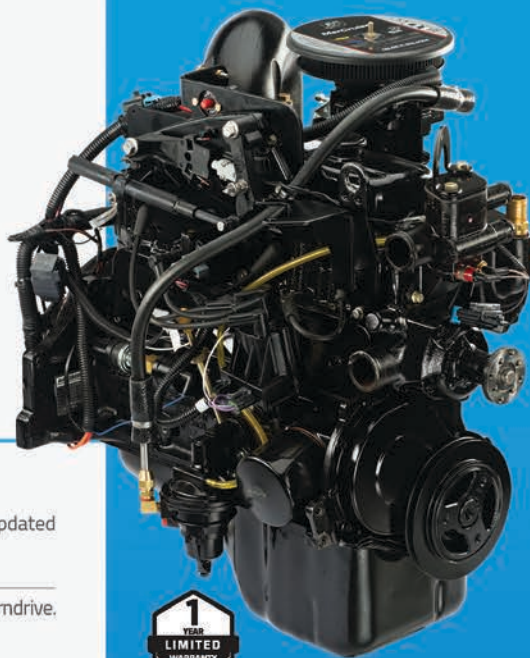
This durable 135hp engine features a turnkey starting carburetor and updated Quicksilver combustion chambers for smoother operation.

**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.



# 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



714-8840187352 | Use for 2002-2004 Mercury models rated for 4600-5200 RPM  
714-8840187351 | Use for 2005 & newer Mercury 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 3.46" (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 MMMA Certified FC-W Synthetic Blend                                                 |
| Audio Warning System        | Not Installed                                                                                 |
| Alpha Ratio (Gen I, Gen II) | 1.501, 1.471                                                                                  |
| Bravo One® Ratios           | 1.501, 1.651                                                                                  |
| Bravo Two® Ratios           | 2.001, 2.201, 2.401 High Altitude                                                             |
| Bravo Three® Ratios         | 2.001, 2.201, 2.401 High Altitude                                                             |
| Inboard Ratios              | Depends Upon Application                                                                      |
| Shipping Dimensions (LxWxH) | 42"x 30"x 35" (1054mm x 769 mm x 991 mm)                                                      |
| Engine Weight (Lbs. / Kg)   | 598 / 272                                                                                     |



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## QUICKSILVER CRATE ENGINES

QUICKSILVER has been building the 350 Crate Engines as parts for repairing boat engines since 2008. These never were 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. But, 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.

#### 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

### 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

## QUICKSILVER PLUS SERIES ENGINES

# THE QUICKSILVER® *DIFFERENCE*

Quicksilver premium marine engines are designed to be drop-in replacement powertrains for just about any classic sterndrive- or inboard-powered boat. A Quicksilver engine can get you back on the water in record time, without breaking the bank. When you're thinking about repowering, consider the Quicksilver difference.



MERCURISER

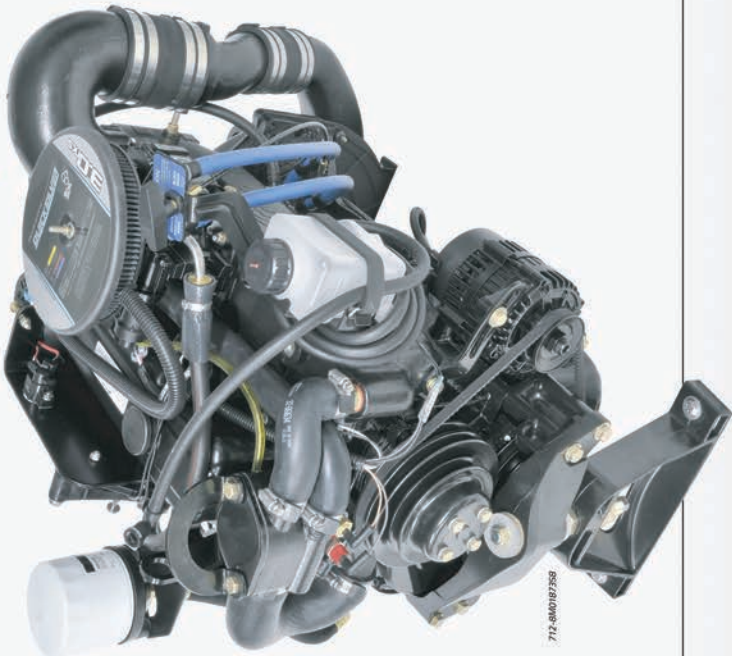
QUICKSILVER PLUS SERIES ENGINES

3.0L ALPHA TKS

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



712-840187358



|                              |                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Power                        | 135HP (99kW)                                                                                                         |
| Full Throttle Range          | 4400-4800 RPM                                                                                                        |
| Displacement                 | 181 CD (LOL)                                                                                                         |
| 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                   | Modular 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 with 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 LxHxW             | 29" x 22" x 21" (730mm x 555mm x 530mm)                                                                              |
| 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

# 350 MPI Alpha

## 300 HP

It's the V-6 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



712-860/0329

**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 3.46" (102mm x 88mm)                                                                                          |
| Compression Ratio           | 9.4:1                                                                                                                 |
| Rocker Arm Ratio            | 1.5:1 Stamped Steel                                                                                                   |
| Crankshaft                  | Nodular Iron Crankshaft and Powder Metal Rods                                                                         |
| Fuel Requirement            | 87 Octane (R-M/I/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 & helium 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 75W/140 NIMMA Certified FC-W Synthetic Blend                                                                      |
| Auto 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 27" (814mm x 762 mm x 559 mm)                                                                             |
| Optional PW Cooling         | Dealer Installed Kit                                                                                                  |
| Boat Harness Type           | 10-pin                                                                                                                |
| Engine Weight (Lbs. / Kg)   | 932 / 423                                                                                                             |

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QUICKSILVER PLUS SERIES ENGINES

350 MPI BRAVO

350 MPI Bravo  
300 HP

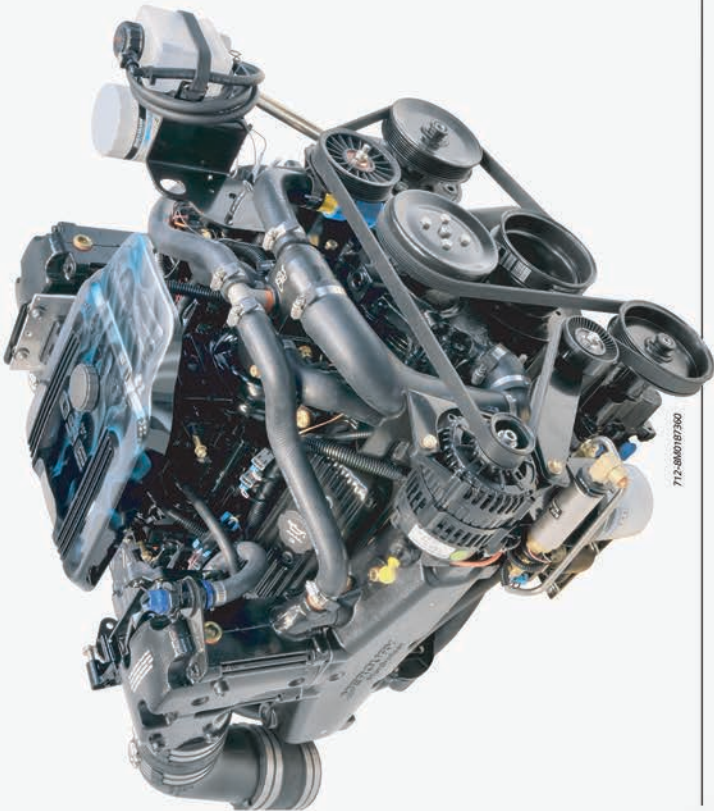
- It's the V-8 engine you really wanted when you bought the boat. It's never too late to upgrade from a carburetor or from a 5.0L to a 350 MPI!
- 1-Year limited factory warranty
  - Internal upgrades: Black-X Valve Tech, screw in studs, thick wall casting, hardened valve seats



|                             |                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------|
| Power                       | 300 HP (224 kW)                                                                                                      |
| Full Throttle Range         | 4800-5300 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 3.46" (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 Gen3 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 760 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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712-8M0187360

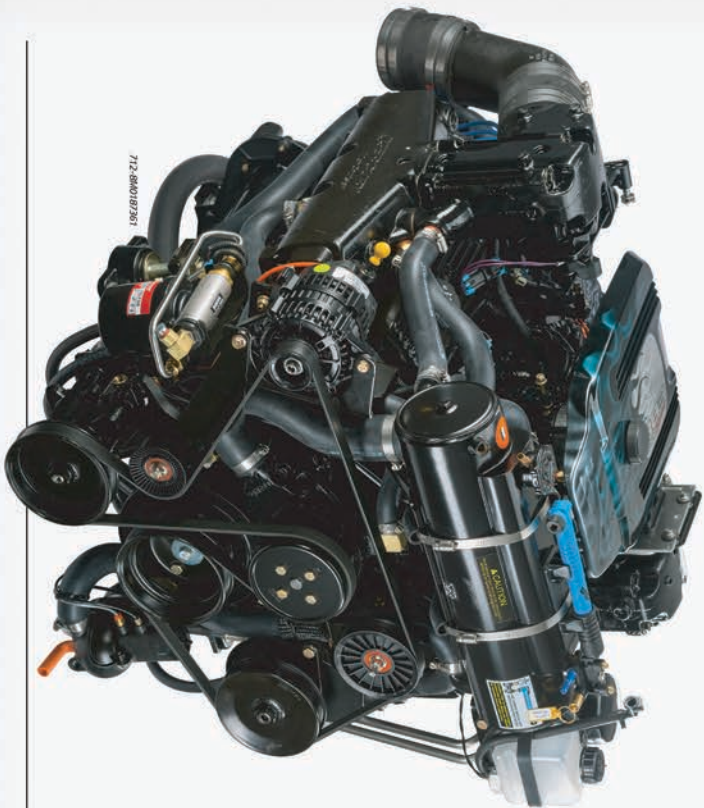
383 MPI BRAVO FWC

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



712-840-09367

**QUICKSILVER**  
Marine Parts & Accessories

| Power                     | 350 HP                                                                                                               |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|
| Fuel 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/I)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/Incock Control & Inertia Spark Plugs                                               |
| Charging System           | 65 Amp / 917 WAT Alternator                                                                                          |
| Water Drain System        | Multi-Point Drain--Hard 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 MMAA 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 760 mm x 559 mm)                                                                            |
| Engine Weight (Lbs. / Kg) | 990 / 445                                                                                                            |
| Fresh Water Cooling       | Standard                                                                                                             |
| Boat Harness Type         | 10-pin                                                                                                               |

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## 409 MPI BRAVO

MERCURISER

**QUICKSILVER**  
Engines

### 409 MPI Bravo® FWC



712-8M0185589



## 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





|                           |                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------|
| 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 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 request your customer service to sign an exemption form - see page n"

### 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 request your customer service to sign an exemption form - see page n"

## 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 request your customer service to sign an exemption form - see page n"

## 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 request your customer service to sign an exemption form - see page n"

## 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 request your customer service to sign an exemption form - see page n"

PLUS SERIES ENGINES



## 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

MERCUISER



All New Stainless Steel  
Valves & Marine Valve  
Springs

Custom Flame Cover

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

383 use 1.6:1  
Full Roller  
Rocker Arms

Marine Duty  
Cylinder Heads

Hypereutectic  
Pistons –  
Stronger than  
Cast Pistons

Hardened  
Valve Seats

New Marine  
Water Pump

New Marine  
Spark Plugs

Complete  
Accessory  
Drive System  
Included

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

Some Blocks  
Machined for  
Mechanical  
Fuel Pump

Exclusive  
357 & 383 Camshaft  
Profiles

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.

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.

### 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.

### 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.

## 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                             | Manual Part #'s                              | Supplement Part #'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                                  |                             |
| 350 Carbureted Crate Engines Alpha & Gen+ | #15 + #24                        | V-8 (for 4bb) + 305 CID (5.0L) / 350 CID (5.7L)                    |                                         | 90-816463 /<br>90-861327 1                   |                             |
| 357 Alpha & Bravo                         | #15 + #24                        | V-8 (for 4bb) + 305 CID (5.0L) / 350 CID (5.7L)                    |                                         | 90-816463 /<br>90-861327 1                   |                             |
| 350 MPI Crate Engines                     | #31 + #36                        | 5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)                     | ECM 555 Diagnostics                     | 90-864260T00                                 | 90-864573001                |
| 350 MPI Alpha & Bravo                     | #31 + #36                        | 5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)                     | ECM 555 Diagnostics                     | 90-864260T00                                 | 90-864573001                |
| 350 & 357 Horizon                         | #31 + #36                        | 5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)                     | ECM 555 Diagnostics                     | 90-864260T00                                 | 90-864573001                |
| 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                                 | 90-864573001 /<br>90-865376 |
| 383 MAG Bravo 4V                          | #15 + #24 + #24-S                | V-8 (for 4bb) + 305 CID (5.0L) / 350 CID (5.7L) + V8 377cid (6.2L) |                                         | 90-816463 /<br>90-861327 1 /<br>90-861327T01 |                             |
| 383 MPI Bravo                             | #31 + #36                        | 5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)                     | ECM 555 Diagnostics                     | 90-864260T00                                 | 90-864573001                |
| 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                                 | 90-864573001 /<br>90-865376 |
| 385 PT Bravo                              | #31 + #36                        | 5.0L (305cid), 5.7L (350cid) and 6.2L (377cid)                     | ECM 555 Diagnostics                     | 90-864260T00                                 | 90-864573001                |
| 409 MPI                                   | 409 MPI                          | 409 MPI                                                            |                                         | 90-8M0199130                                 |                             |
| 8.1L Horizon Inboard                      | #30 + #33                        | 8.1L (496cid)                                                      | PCM 555 Diagnostics                     | 90-863161T01                                 | 90-863757002                |
| 496 & 496 H.O. Bravo                      | #30 + #33                        | 8.1L (496cid)                                                      | PCM 555 Diagnostics                     | 90-863161T01                                 | 90-863757002                |
| 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                                 |                             |

MERCURUISER

## 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 arrestor for use with the 540 MAG Bravo 4V. This flame arrestor lowers 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

## ACCESSORY KITS FOR PLUS-SERIES ENGINES

### 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



### 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).

# ACCESSORY KITS FOR PLUS-SERIES ENGINES

## 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



### 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 "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)              |
|                       |                       |                     | 1.7 in.(43 mm)  | 865995A01 | 866003A01(1)           |
|                       |                       |                     | 3 in. (76 mm)   | 864929A 3 | 866004A01(1)           |
| MCM 350 Mag MPI Alpha | 863611R11             | 8M0136293           | 4.7 in.(119 mm) | 866208A02 | 866209A01(1)           |
|                       |                       |                     | 6 in. (152 mm)  | 864908A 1 | 866005A01(1)           |
|                       |                       |                     | 1.7 in.(43 mm)  | 865995A01 | 866003A01(1)           |
|                       |                       |                     | 3 in. (76 mm)   | 864929A 3 | 866003A01(1)           |
| MCM 350 Mag MPI Bravo | NA                    | 8M0136294           | 4.7 in.(119 mm) | 866208A02 | 866003A01(1)           |
|                       |                       |                     | 6 in. (152 mm)  | 864908A 1 | 866003A01(1)           |
|                       |                       |                     | 3 in. (76 mm)   | 93320A13  | 14801A 1(1)            |
|                       |                       |                     | 6 in. (152 mm)  | 93322A12  | 14801A 1(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)            |

# ACCESSORY KITS FOR PLUS-SERIES ENGINES

| Engine Model                  | Reman Plus-Series P/N | New Quicksilver P/N | Riser Height    | Riser Kit    | Intermediate Elbow Kit |
|-------------------------------|-----------------------|---------------------|-----------------|--------------|------------------------|
| 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                     |
| 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                    |
| 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                    |

| Engine Model | Reman Plus-Series P/N | New Quicksilver P/N | Riser Height   | Riser Kit    | Intermediate Elbow Kit |
|--------------|-----------------------|---------------------|----------------|--------------|------------------------|
| 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

## 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 OM300000 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

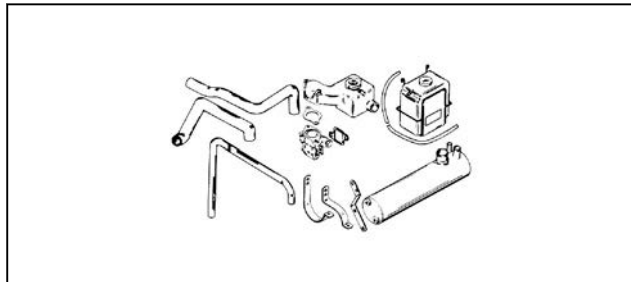


### 22-8M0045175

Fits MCM/MIE 8.2

## CLOSED COOLING KITS

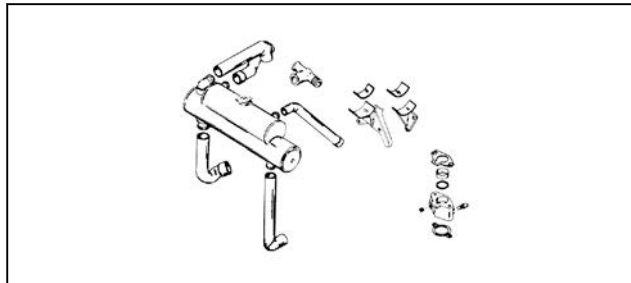
### CLOSED COOLING KIT



### 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.

# ACCESSORY KITS FOR PLUS-SERIES ENGINES

## 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      | 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      | 77-865839T03 |
| MCM 350 Mag MPI Alpha - QS    | 8M0136293       | 864920A02(5)       | N/A       | 46-8M0139983      | 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          |

| Engine Model                   | Plus-Series P/N | Closed Cooling Kit | Belt Kit | Seawater Pump Kit | ECM              |
|--------------------------------|-----------------|--------------------|----------|-------------------|------------------|
| 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 engine 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



**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

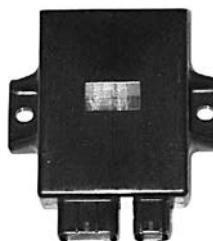
| Model/ Description               | Part Number  | Quantity |
|----------------------------------|--------------|----------|
| 383 MPI w/Std. Raw Water Cooling |              |          |
| Front Bracket                    | 863646 1     | 1        |
| Remote Oil Line                  | 32-865056    | 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        |

## MODULE KIT

### ICM MODULE



**840130A 4**

Fits MCM 500 Gen+ & 500 Bulldog w/ Thunderbolt V ignition. Can also be used as an alternate ICM for use with the 540 MAG Bravo 4V. This ICM raises the engine speed limit to 5150 RPM to allow a propping range of 4600-5000 RPM.

## 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.

## ACCESSORY KITS FOR PLUS-SERIES 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 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.

#### 84-896537K20

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

#### HARNESS - NON DTS 14 PIN- ANALOG GAUGE



#### 84-892990T01

5 ft. long. 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. long. 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. long. 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)



#### 84-879982T20

20 ft. (6.1 meter) SmartCraft data harness with (2) termination resistors. Includes connections for horn and link gauge. Provides data link between SmartCraft CAN P Components.

#### 84-879982T25

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



### 859318T 1

SmartCraft Yellow 10-pin Terminator/Resistor.  
Provides CAN Bus termination for CAN P network.

## SMARTCRAFT JUNCTION BOX



### 878492K14

4-Way SmartCraft Junction Box with (2) weather caps.  
Provides connection/distribution point for multiple components on CAN Bus system.

## 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.

## ANALOG GAUGE INTERFACE KIT



### 892486K08

Used on 14-pin engines to convert a digital sensor signal into analog for tachometer, oil pressure/oil level, water temperature, trim, and fuel level analog gauges. There is also a connection for SC100 link gauges. Enhanced voltage suppression.

Used with a 10-pin junction box connection. For non-PCM09 ECUs - fits SmartCraft compatible 14-pin engines.

## ACCESSORY KITS FOR PLUS-SERIES ENGINES

### 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

MERCURUISER

## 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 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.

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 sterndrives

# ACCESSORY KITS FOR PLUS-SERIES ENGINES

## ACCESSORY CHARTS

### SternDrive

MERCURUISER

| Engine                               | PartNum     | 10-pin Engine to 14-pin Boat Harnesses w/o SmartCraft<br>Adapter harness | 10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft<br>Adapter Harness w/CAN Data | 10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft<br>Terminator Resistor | 10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft<br>Tank Harness | 10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft<br>4-10 pin Pitot Harness | 10-pin Engine to 14-pin Boat Harnesses w/ SmartCraft<br>3-4 pin Pitot Harness | 14-pin Engine to 10-Pin Boat Harnesses<br>Adapter harness | Analog Gauge Interface Kit for non-SmartCraft Gauges |
|--------------------------------------|-------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------|
| 3.0L TKS Alpha                       | 8M0116646   |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | 84-866337T01                                              |                                                      |
| 4.3L Alpha 4V                        | 865108R89   | 84-8M0153356                                                             |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               |                                                           |                                                      |
| 4.5L MPI Alpha: non-DTS, non-ECT     | 4-40450085U |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | Requires 14-pin boat harness                              | 892486K08                                            |
| 4.5L MPI Alpha: non-DTS, non-ECT     | 4-40450073U |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | Requires 14-pin boat harness                              | 892486K08                                            |
| 4.5L MPI Bravo: non-DTS, non-ECT     | 4-40450075U |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | Requires 14-pin boat harness                              | 892486K08                                            |
| 357 Alpha                            | 865108R88   | 84-8M0153356                                                             |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               |                                                           |                                                      |
| 357 Bravo                            | 865108R85   | 84-8M0153356                                                             |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               |                                                           |                                                      |
| 383 4V Bravo                         | 865108R90   | 84-8M0153356                                                             |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               |                                                           |                                                      |
| 350 MPI Alpha                        | 863611R11   | 84-8M0153356                                                             | 84-8M0153356                                                                       | 859318T 1                                                                   | 84-864218                                                            | 84-863931A 1                                                                   | 84-863737T                                                                    |                                                           |                                                      |
| 350 MPI Alpha                        | 8M0136293   | 84-8M0153356                                                             | 84-8M0153356                                                                       | 859318T 1                                                                   | 84-864218                                                            | 84-863931A 1                                                                   | 84-863737T                                                                    |                                                           |                                                      |
| 350 MPI Bravo                        | 8M0136294   | 84-8M0153356                                                             | 84-8M0153356                                                                       | 859318T 1                                                                   | 84-864218                                                            | 84-863931A 1                                                                   | 84-863737T                                                                    |                                                           |                                                      |
| 383 MPI Bravo                        | 8M0136295   | 84-8M0153356                                                             | 84-8M0153356                                                                       | 859318T 1                                                                   | 84-864218                                                            | 84-863931A 1                                                                   | 84-863737T                                                                    |                                                           |                                                      |
| 300 6.2L MPI Bravo: non-DTS, non-ECT | 4-4A620043U |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | Requires 14-pin boat harness                              | 892486K08                                            |
| 350 6.2L MPI Bravo: non-DTS, non-ECT | 4-4A620049U |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | Requires 14-pin boat harness                              | 892486K08                                            |
| 496 Bravo                            | 8M0139659   |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | 84-866337T01                                              |                                                      |
| 496 HO Bravo                         | 8M0130014   |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | 84-866337T01                                              |                                                      |
| 380 8.2 MPI Bravo: non-DTS, non-ECT  | 4-40820056V |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | Requires 14-pin boat harness                              | 892486K08                                            |
| 430 8.2 MPI Bravo: DTS, non-ECT      | 4-40820057V |                                                                          |                                                                                    |                                                                             |                                                                      |                                                                                |                                                                               | Requires 14-pin boat harness                              | 892486K08                                            |
| 540 Bravo 4V                         | 8M0085999   | 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                   | 865108R10 | 84-8M0153356                                          | 84-8M0153356                                        | 859318T 1                                           | 84-864218                                           |                                                     |                                                     |                                        |
| 350 MPI Horizon Downangle Inboard | 8M0136296 | 84-8M0153356                                          | 84-8M0153356                                        | 859318T 1                                           | 84-864218                                           |                                                     |                                                     |                                        |
| 350 MPI Horizon V-Drive Inboard   | 8M0136297 | 84-8M0153356                                          | 84-8M0153356                                        | 859318T 1                                           | 84-864218                                           |                                                     |                                                     |                                        |
| 8.1L Horizon Downangle Inboard    | 8M0130012 |                                                       |                                                     |                                                     |                                                     |                                                     |                                                     | 84-866337T01                           |
| 8.1L Horizon V-Drive Inboard      | 8M0130013 |                                                       |                                                     |                                                     |                                                     |                                                     |                                                     | 84-866337T01                           |
| 383 MAG Inboard 4V LH             | 8M0061212 |                                                       |                                                     |                                                     |                                                     |                                                     |                                                     | Included w/engine                      |
| 383 MAG Inboard 4V RH             | 8M0061213 |                                                       |                                                     |                                                     |                                                     |                                                     |                                                     | Included w/engine                      |
| 350 MPI Tow                       | 8M0124110 |                                                       |                                                     |                                                     |                                                     |                                                     |                                                     | 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.

### 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.

# .040 IN. (1 MM) OVERSIZE PISTON W/RINGS CHART

## .040 IN. (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)            |

| Engine Model                                        | Plus-Series P/N | Int'l Plus Series P/N | Pistonsw/rings .040"(1mm) O.S. |
|-----------------------------------------------------|-----------------|-----------------------|--------------------------------|
| 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)           | 824317 1(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)           | 824317 1(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       | 23-818473001(4)                          | 23-85726001(4)                               | 821024T(4)          | 816962(4)            |
| 502 Longblock (93-01)                                   | 8M0113061 | N/A       | 23-818473001(4)                          | 23-85726001(4)                               | 821024T(4)          | 816962(4)            |
| 540 Stroker Longblock                                   | 8M0101598 | N/A       | 23-818473001(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

MERCURIS

## 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 OC856599 – 0K999999)

1998 & up 3.0L carbureted & MC 3.0 MPI (0L010042 & up)

### LONGBLOCK ASSEMBLY



**8M0182234**

GM 5.7 Liter Non-Gen + 350 V8

Left-Hand / Standard Rotation

Replaces 1987-1995 Sterndrive or Inboard 5.7L flat-tappet marine engines

# QUICKSILVER VALUE SERIES LONGBLOCKS

## 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

## 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

### 8M0187370

GM 5.7 Liter Non-Gen + 350 V8  
Left-Hand / Standard Rotation  
Replaces 1987-1995 Sterndrive or Inboard 5.7L flat-tappet marine engines

## LONGBLOCK ASSEMBLY



### 8M0187375

GM 5.8L Gen+ 357 V8  
Left-Hand / Standard Rotation  
Replaces 2009-2010 357 Alpha Repower engines

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

### 8M0187376

Replaces 2010-2020 357 Bravo Repower engines.

## LONGBLOCK ASSEMBLY

### 8M0187372

GM 6.3 Liter Gen+ 383 V8  
Left-Hand / Standard Rotation  
Replaces 2008 and later 383 MPI Repower engines.

### 8M0187373

GM 6.3 Liter Gen+ 383 V8  
Left-Hand / Standard Rotation  
Replaces 2011-2020 383 Mag inboard (LH /standard rotation) Repower engines

### 8M0187374

GM 6.3 Liter Gen+ 383 V8  
Right-Hand / Opposite Rotation  
Replaces 2012-2020 383 Mag inboard (RH / Opposite Rotation) Repower engines

### 8M0182232

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)

## LONGBLOCK ASSEMBLY



### 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



### 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)

## 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

## 8.2 LITER V-8 LONGBLOCK ASSEMBLY



### 8M0188322

Remanufactured PRO Series Longblock  
Mercury 8.2 Liter 502 V8  
(Left-Hand Standard Rotation) with Remanufactured Mercury aluminum cylinder heads  
Replaces 2010 & newer MCM 8.2L Bravo CPO Engines Only. For non-CPO engines use new longblock 8M0157869. This longblock uses a mix of Gen VI, Mercury, and unique internal components not used in new Mercury production. It is used only to produce and service CPO 8.2L Bravo engines. Remanufactured Mercury components include aluminum MerCruiser cylinder heads, iron engine block, camshaft, valvetrain and tin ware. New Gen VI internals include: rods, OS pistons, bearings, & oil pump. Unique components include: forged steel neutral balance crankshaft, neutral balance balancer, and neutral balance flywheel. Because of the neutral balance flywheel, this engine cannot be used for inboard engines requiring a high mount starter.

## LONGBLOCK ASSEMBLY



### 8M0187377

Quicksilver Value Series Longblock  
8 Cylinder 8.1 Liter, 496 V-8  
(Left-Hand Standard Rotation) 100% New Content  
Replaces 2001 & up 496 Mag & 8.1L Horizon MerCruiser, Mercury Remanufacturing, & Quicksilver base 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.  
370 & 375 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



**8M0157869**

Brand \*NEW\* Longblock  
Mercury 8 Cyl., 8.2 Liter 502 V8 GEN-VI Block  
Replaces 2010 & newer MCM/MIE 8.2L engines

### 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)

## REMAN CYLINDER HEADS - MERCURISER

Mercury Remanufacturing starts with the best available "marine" cylinder head cores. Each cylinder head is completely disassembled and then precision machined for proper gasket sealing and concentric stem-to-guide clearances.

With a 1-Year Factory Limited Warranty, Cylinder Heads from Mercury Remanufacturing can be installed with complete confidence.

### V-8 SMALL-BLOCK CYLINDER HEADS

#### CYLINDER HEAD ASSEMBLY



#### 938-883490R 1

Fully Assembled Remanufactured Cylinder Head  
(Brand new head casting)

Fits MCM/MIE (1987-1996) 5.7L (non-Gen +) engines.

MERCRUISER \*NEW\* CYLINDER HEADS

4.5L CYLINDER HEAD ASSEMBLY

Image not  
Available.

900-8M0116266

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

engines

6.2L CYLINDER HEAD ASSEMBLY

Image not  
Available.

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

Image not  
Available.

900-8M0046344

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

MERCRUISER

**\*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 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****2.5L/3.0L CYLINDER HEAD ASSEMBLY****8M0188299**

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. Early design large intake ports require the use of gasket 27-96429.

1963-1989 MCM 2.5L & GM 2.5L

1968-1989 MCM 3.0L & GM 3.0L

2.5L GM automotive & Postal engine

**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

**385 CYLINDER HEAD ASSEMBLY****938-8M0115140**

All new Quicksilver cast iron cylinder head, hardened valve seats press fit into the cylinder head with 24 N stainless steel intake valves featuring seats treated with a cobalt-chromium alloy for extreme durability and nickel super-alloy exhaust valves for high temperature durability. Heavy duty springs for engine speeds up to 5800 RPM. This fits 385 PT engines featuring upgraded ports for higher airflow. These are for engines with an 8-bolt intake manifold pattern. This cylinder head features screw-in rocker studs.

385 Performance Tuned Plus Series engine

5.7L L31 Pressure charged automotive & truck engines

**\*NEW\* QUICKSILVER BIG BLOCK V-8 CYLINDER HEADS****454/502 CYLINDER HEAD ASSEMBLY****938-8M0115141**

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 fits the 454/502 HO Gen V & VI engines featuring rectangular ports for higher horsepower applications using 2.19" diameter intake valves.

1992-2000 MCM 454 / 502 HO & MIE 454 Horizon

## 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

## 540 CYLINDER HEAD ASSEMBLY



**8M0188303**

All new Quicksilver cast iron cylinder head, hardened valve seats press fit into the cylinder head using Manley Extreme Duty stainless steel valves for high temperature durability. This cylinder head fits the 540 Mag Bravo 4V engines featuring rectangular ports for high torque applications using 2.19" diameter intake valves.

540 Mag Bravo 4V Plus Series engine

**938-8M0115143**

All new Quicksilver cast iron cylinder head, hardened valve seats press fit into the cylinder head using Manley Extreme Duty stainless steel valves for high temperature durability. This cylinder head features rectangular ports for MerCruiser High Performance applications using 2.25" diameter intake valves.

HP 500 & 500 EFI

540 Mag Crate Engine

# QUICKSILVER CYLINDER HEAD AND BLACK-X COMPOSITE VALVE CHART

## QUICKSILVER CYLINDER HEAD AND BLACK-X COMPOSITE VALVE CHART

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.  
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 | 938-8M0115134    | 8M0146074                             | 8M0146075                              |
| 3.0L                                            |                         | 1968 - 1989 | 938-8M0115134    | 8M0146074                             | 8M0146075                              |
| 3.0L/LX                                         |                         | 1990 - 2016 | 938-8M0115135    | 8M0146074                             | 8M0146075                              |
| Reman 3.0L TKS Plus Series                      |                         | 2012 - 2025 | 938-8M0115135    | 8M0146074                             | 8M0146075                              |
| Quicksilver 3.0L -110 Crate Engine              | Yes(3)                  | 2016 - 2025 | 938-8M0115134    | 8M0146074                             | 8M0146075                              |
| Quicksilver 3.0L -130 Crate Engine              |                         | 2016 - 2025 | 938-8M0115135    | 8M0146074                             | 8M0146075                              |
| Quicksilver 3.0L TKS Alpha                      | Yes(4)                  | 2016 - 2025 | 938-8M0115135    | 8M0146074                             | 8M0146075                              |
| 4.3L                                            |                         | 2000 - 2015 | 938-8M0115136    | 8M0146076                             | 8M0146077                              |
| Reman 4.3L Plus Series                          |                         | 2009 - 2025 | 938-8M0115136    | 8M0146076                             | 8M0146077                              |
| Quicksilver & Reman 4.3L Crate Engines          |                         | 2002 - 2025 | 938-8M0115136    | 8M0146076                             | 8M0146077                              |
| 5.7L (Gen+)                                     |                         | 1996 - 2015 | 938-8M0115137    | 8M0146076                             | 8M0146077                              |
| Reman 350 MPI Alpha Plus Series                 |                         | 2009 - 2025 | 938-8M0115137    | 8M0146076                             | 8M0146077                              |
| Reman 357 Alpha Plus Series                     |                         | 2008 - 2025 | 938-8M0115137    | 8M0146076                             | 8M0146077                              |
| Reman 357 Mag Bravo Plus Series                 |                         | 2008 - 2025 | 938-8M0115138    | 8M0146076                             | 8M0146077                              |
| Reman 357 Horizon Plus Series                   |                         | 2012 - 2025 | 938-8M0115137    | 8M0146076                             | 8M0146077                              |
| Quicksilver 350 Alpha Carb & MPI Crates Engines | Yes(5)                  | 2008 - 2025 | 938-8M0115138    | 8M0146076                             | 8M0146077                              |
| Quicksilver 350 MPI Alpha                       | Yes(3)                  | 2018 - 2025 | 938-8M0115138    | 8M0146076                             | 8M0146077                              |
| Quicksilver 350 MPI Bravo                       | Yes(3)                  | 2018 - 2025 | 938-8M0115138    | 8M0146076                             | 8M0146077                              |
| Quicksilver 350 MPI Horizon                     | Yes(3)                  | 2018 - 2025 | 938-8M0115138    | 8M0146076                             | 8M0146077                              |
| Quicksilver 350 MPI Tow Sport                   | Yes(3)                  | 2015 - 2025 | 938-8M0115138    | 8M0146076                             | 8M0146077                              |
| 6.2L (Gen+)                                     |                         | 1999 - 2009 | 938-8M0115138    | 8M0146076                             | 8M0146077                              |
| Reman 383 MPI Stroker Bravo Plus Series         |                         | 2008 - 2025 | 938-8M0115137    | 8M0146076                             | 8M0146077                              |
| Reman 383 MPI Stroker Inboard Plus Series       |                         | 2008 - 2025 | 938-8M0115137    | 8M0146076                             | 8M0146077                              |
| Reman 383 MPI Stroker Bravo FWC Plus Series     |                         | 2015 - 2025 | 938-8M0115138    | 8M0146076                             | 8M0146077                              |
| Reman 383 Mag Bravo Plus Series                 |                         | 2010 - 2025 | 938-8M0115139    | 8M0146076                             | 8M0146077                              |
| Reman 383 Mag Inboard Plus Series               |                         | 2011 - 2025 | 938-8M0115139    | 8M0146076                             | 8M0146077                              |
| Quicksilver 383 MPI Bravo FWC                   | Yes(3)                  | 2018 - 2025 | 938-8M0115138    | 8M0146076                             | 8M0146077                              |
| 454 Mag (Gen V & VI)                            |                         | 1992 - 2001 | 938-8M0115141    | 8M0146078                             | 8M0146079                              |
| 496 Mag & HO                                    |                         | 2000 - 2011 | 900-8M0090760(1) | 8M0146080                             | 8M0146108                              |
| 496 Mag & HO                                    |                         | 2000 - 2011 | 900-8M0091709(2) | 8M0146080                             | 8M0146108                              |
| Reman 496 HO Bravo Plus Series                  |                         | 2014 - 2017 | 900-8M0090760(1) | 8M0146080                             | 8M0146108                              |
| Reman 496 HO Bravo Plus Series                  |                         | 2014 - 2017 | 900-8M0091709(2) | 8M0146080                             | 8M0146108                              |
| Quicksilver 496 & 496 HO Bravo                  | Yes(3)                  | 2018 - 2025 | 900-8M0090760(1) | 8M0146080                             | 8M0146108                              |
| Quicksilver 496 & 496 HO Bravo                  | Yes(3)                  | 2018 - 2025 | 900-8M0091709(2) | 8M0146080                             | 8M0146108                              |
| 8.1S Horizon & HO MIE                           |                         | 2000 - 2011 | 900-8M0090760(1) | 8M0146080                             | 8M0146108                              |
| 8.1S Horizon & HO MIE                           |                         | 2000 - 2011 | 900-8M0091709(2) | 8M0146080                             | 8M0146108                              |
| Reman 8.1L Horizon Inboard Plus Series          |                         | 2011 - 2017 | 900-8M0090760(1) | 8M0146080                             | 8M0146108                              |
| Reman 8.1L Horizon Inboard Plus Series          |                         | 2011 - 2017 | 900-8M0091709(2) | 8M0146080                             | 8M0146108                              |
| Quicksilver 8.1L Horizon Inboard                | Yes(3)                  | 2018 - 2025 | 900-8M0090760(1) | 8M0146080                             | 8M0146108                              |
| Quicksilver 8.1L Horizon Inboard                | Yes(3)                  | 2018 - 2025 | 900-8M0091709(2) | 8M0146080                             | 8M0146108                              |
| 502 Mag (Gen V & VI)                            |                         | 1992 - 2001 | 938-8M0115141    | 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

#### 879172001

Brand \*NEW\* Longblock  
VM Inline-4 Cylinder, 2.0L  
115/130/150/170  
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)

### LONGBLOCK ASSEMBLY

Image not  
Available.

#### 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)

### LONGBLOCK ASSEMBLY

#### 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)

### LONGBLOCK ASSEMBLY

Image not  
Available.

#### 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

### LONGBLOCK ASSEMBLY

#### 879831

Brand \*NEW\* Longblock  
VM Inline-6 Cylinder, 4.2L IDI 220  
Services 1990-2003 MerCruiser 4.2L 220 IDI Engines (s/n 0C849461 & up)

#### 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

Image not  
Available.

#### 8M0112307

Brand "NEW" Partial Engine w/o Cyl heads  
Fiat Inline-6 Cylinder, 6.7L  
Services 2016 & Newer MerCruiser 135 & 150 NA Engines

### SHORTBLOCK ASSEMBLY

Image not  
Available.

#### 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 CHART

### Intake and Exhaust Gasket Cross Reference

| Engine Applications                      | Description                                        |                        |                         |
|------------------------------------------|----------------------------------------------------|------------------------|-------------------------|
| <b>MerCruiser 3.0 Liter 4 - Cylinder</b> |                                                    | <b>Intake Gasket #</b> | <b>Exhaust Gasket #</b> |
| N/A                                      | GM 4 cyl., 3.0L - 181 cid 1990-1994 L-series       | 27- 96429              | N/A                     |
| 8M0062850                                | 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                     |
| <b>MerCruiser 3.7 Liter 4 - Cylinder</b> |                                                    | <b>Intake Gasket #</b> | <b>Exhaust Gasket #</b> |
| N.L.A.                                   | Mercury 4 cyl., 3.7L - 224 cid 1976-1989           | 27- 70905              | 27- 68715               |
| <b>MerCruiser 4.3 Liter V-6</b>          |                                                    | <b>Intake Gasket #</b> | <b>Exhaust Gasket #</b> |
| 14149R50                                 | GM V-6, 4.3L - 262 cid 1986-1992                   | N.L.A.                 | 27-8M0215011            |
| 806347R50                                | GM V-6, 4.3L - 262 cid 1993-1996                   | 27-8M0149028           | 27-8M0215011            |
| 807736R50                                | 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            |
| 8M0063328                                | GM V-6, 4.3L - 262 cid (Gen +) (with CPS) 2002-up  | 27-824326002           | 27-8M0215011            |
| <b>MerCruiser 5.0 Liter V-8</b>          |                                                    | <b>Intake Gasket #</b> | <b>Exhaust Gasket #</b> |
| 805636R50                                | 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                   |
| <b>MerCruiser 5.7 Liter V-8</b>          |                                                    | <b>Intake Gasket #</b> | <b>Exhaust Gasket #</b> |
| 14156R50                                 | 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               |
| 807447R50                                | GM V-8, 5.7L - 350 cid 1992-95                     | 27- 17145              | 27- 33395               |
| 807449R50                                | 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               |
| 883944R50                                | GM V-8, 5.7L - 350 cid 1987-95                     | 27- 17145              | 27- 33395               |
| <b>MerCruiser 6.2 Liter V-8</b>          |                                                    | <b>Intake Gasket #</b> | <b>Exhaust Gasket #</b> |
| 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                                        |                        |                         |
|---------------------------------|----------------------------------------------------|------------------------|-------------------------|
| <b>MerCruiser 7.4 Liter V-8</b> |                                                    | <b>Intake Gasket #</b> | <b>Exhaust Gasket #</b> |
| N.L.A.                          | GM V-8, 454 cid (Mark IV) 1977-1992                | 27-8M0050224           | 27- 46820               |
| 806351R50                       | 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               |
| 883281R50                       | GM V-8, 454 cid (L29) 1998 and newer               | 27-803184              | 27- 46820               |
| <b>MerCruiser 8.1 Liter V-8</b> |                                                    | <b>Intake Gasket #</b> | <b>Exhaust Gasket #</b> |
| 8M0173775                       | GM V-8, 8.1-L 496 cid 2001and newer                | 27-881633T01           | 27- 46820               |
| 8M0173776                       | GM V-8, 8.1-L 496 cid H.O. (High-Output) 2001-up   | 27-881633T01           | 27- 46820               |
| <b>MerCruiser 8.2 Liter V-8</b> |                                                    | <b>Intake Gasket #</b> | <b>Exhaust Gasket #</b> |
| 8M0062846                       | GM V-8, 502 cid (Gen V) carb 1992-1996             | 27-8M0073380           | 27- 46820               |
| 8M0062846                       | GM V-8, 502 cid (Gen V) MPI 1992-1996              | 27-805403A 1           | 27- 46820               |
| 8M0062846                       | GM V-8, 502 cid (Gen VI) 1996 and newer            | 27-805403A 1           | 27- 46820               |

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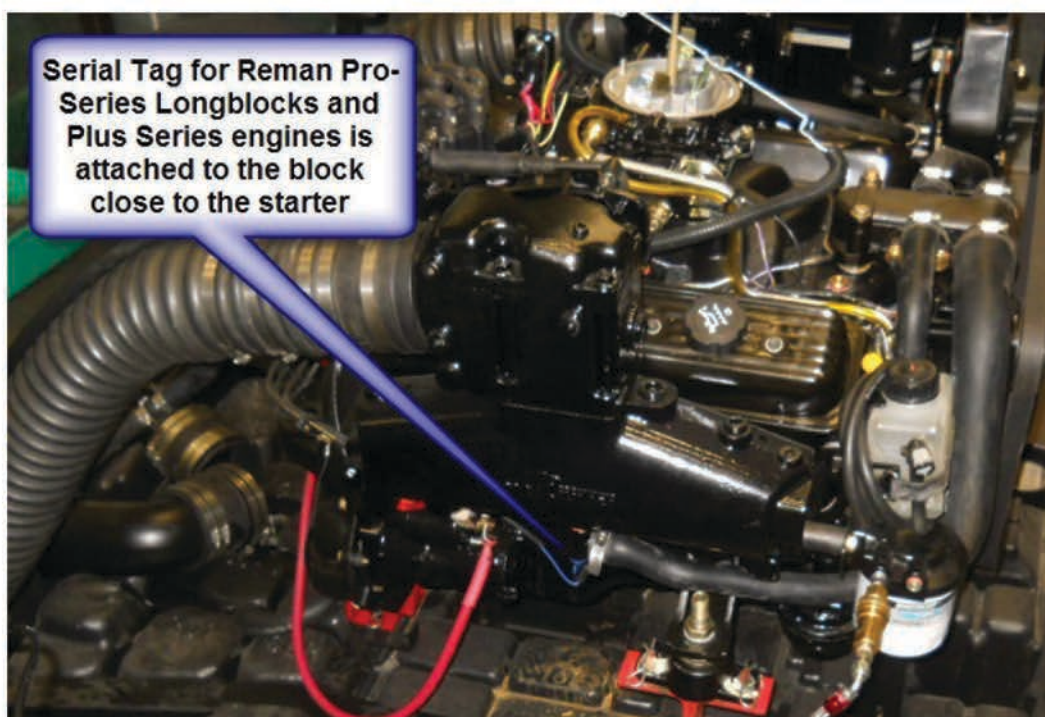
SERIAL TAG LOCATION - LONGBLOCK

Example Image of Tag



MERCURUISER

## Reman Serial Tag Location



MERCURUISER

## Different Brand Logos Used

### Mercury Remanufacturing

- Remanufactured Plus Series Engines
- Verado Powerheads



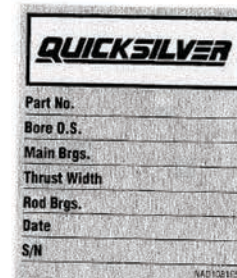
### Quicksilver Remanufacturing

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



### Quicksilver

- New 350 Crate Engines



## ENGINE IDENTIFICATION SHEET

## 4.3L ENGINE IDENTIFICATION



### “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.

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## 5.0 / 5.7L ENGINE IDENTIFICATION



### "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,  $\frac{3}{4}$  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



## 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



### "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  $\frac{3}{4}$  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  $\frac{3}{4}$  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.



**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 information visit [www.Quicksilver-Products.com](http://www.Quicksilver-Products.com)

STERNDRIIVE AVAILABLE GEAR RATIOS

| <u>Alpha Gen II</u>   | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
|-----------------------|--------------------------|---------------------------------|------------------------|
| 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                 |
| <u>Bravo One</u>      | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
| 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                 |
| <u>Bravo One X</u>    | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
| 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                 |
| <u>Bravo One XR</u>   | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
| 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                 |
| <u>Bravo Two</u>      | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
| 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                 |

# STERNDRIIVE AVAILABLE GEAR RATIOS

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| <u>Bravo Two</u>      | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
|-----------------------|--------------------------|---------------------------------|------------------------|
| 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                 |

| <u>Bravo Two X</u> | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
|--------------------|--------------------------|---------------------------------|------------------------|
| 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                 |

| <u>Bravo Three</u>    | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
|-----------------------|--------------------------|---------------------------------|------------------------|
| 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.

| <u>Bravo Three X</u> | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
|----------------------|--------------------------|---------------------------------|------------------------|
| 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                 |

| <u>Bravo Three XR</u> | <u>Single Gear Ratio</u> | <u>High Altitude Gear Ratio</u> | <u>Twin Gear Ratio</u> |
|-----------------------|--------------------------|---------------------------------|------------------------|
| 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

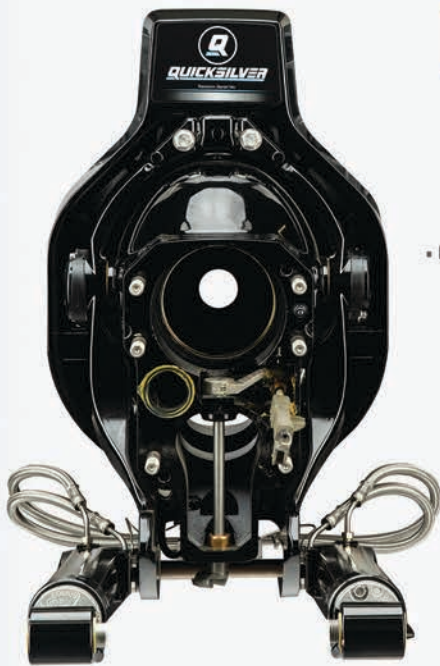
**QUICKSILVER**  
Marine Parts & Accessories

# 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



MERCURISER



## 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)<br>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)<br>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. Choose Quicksilver original parts because everything is riding on it. Use of Quicksilver High Performance Gear Lube is recommended to prevent corrosion and pitting.

#### ALPHA ONE GEN II



**5-51100007P**

2.00:1 ratio  
Standard Rotation (RH)  
Recommended for single installation 3.0L Alpha sterndrive engines up to 150 HP used in runabouts & pontoon boats. Not for use at high-altitudes (5,000+ ft).

**5-51100008P**

1.47:1 ratio Standard Rotation (RH)  
Recommended for use with Quicksilver 350 MPI Alpha sterndrive engines

#### BRAVO ONE STERN DRIVE



**5-52100004P**

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

#### BRAVO THREE STERNDRIVE



**5-52300001P**

Bravo Three  
2.00 ratio  
(s/n 0W249999 and below)

**5-52300002P**

Bravo Three  
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. 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
- With Quicksilver's original parts you get what you pay for.

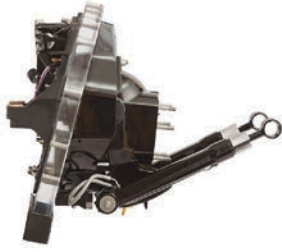
#### TRANSOM ASSEMBLY



**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.

## BRAVO TRANSOM



**6-62000025P**

Magnum

Used with 4.3L 5.0L, 5.7L, 350, 357, 377, 383, 6.2L non-DTS engines

MERCURUISER

## MERCRUISER STERNDRIVES - NEW

For more than 50 years the word "MerCruiser" has stood for sterndrive performance. 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 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  
(s/n 0W250000 and up)

### 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 MC-I, R, MR & Alpha One

### 1547- 9412A20

1.50 ratio  
Fits MC-I, R, MR & Alpha One

### 1547- 9412A21

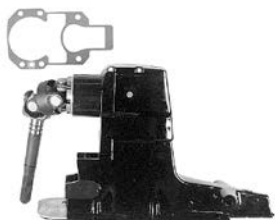
1.65 ratio  
Fits MC-I, R, MR & Alpha One

### 1547- 9412A22

1.84 ratio  
Fits MC-I, R, MR & Alpha One

### 1547- 9412A23

1.98 ratio  
Fits MC-I, R, MR & Alpha One

**ALPHA ONE GEN II DRIVESHAFT HOUSING - COMPLETE**

**1547-861063A12**

1.47 ratio

Fits Alpha One Gen II

**1547-861063A10**

1.62 & 2.00 ratios

Fits Alpha One Gen II

**1547-861063A 8**

1.81 ratio

Fits Alpha One Gen II

**1547-861063A 6**

1.94 & 2.40 ratio

Fits Alpha One Gen II

**BRAVO DRIVESHAFT HOUSING - COMPLETE**

**1589-863836A50**

Fits Bravo I & Perf. (1.36), II (1.50 & 1.81) & III (1.36 & 1.81) (s/n 0D469909-0W249999)

**1589-863836A51**

Fits Bravo I & Perf. (1.50), II (1.65 & 2.00) & III (1.50, 1.65 & 2.00) (s/n 0D469920-0W249999)

**1589-863836A52**

Fits Bravo I & Perf. (1.65), II (2.20) & III (2.20 & 2.43 ratio) (s/n 0W249999 & below)

**1589-863836A66**

Fits Bravo I X & XZ (1.36), II X (1.50 & 1.81) & III X (1.36 & 1.81) (s/n 0M100001-0W249999)

**1589-863836A67**

Fits Bravo I X & XZ (1.50), II X (1.65 & 2.00) & III X (1.50, 1.65 & 2.00) (s/n 0M100001-0W249999)

**1589-863836A56**

Fits Bravo I XR (s/n 0M100001-0W239999)

**BRAVO DRIVESHAFT HOUSING - COMPLETE**

**1589-865440H50**

Fits Bravo I (1.36), II (1.50) & III (1.36) (s/n 0W250000 and up)

**1589-865440H51**

Fits Bravo I (1.50), II (1.65 & 2.00) & III (1.65 & 2.00) (s/n 0W250000 and up)

**1589-865440H52**

Fits Bravo I (1.65), II (2.20) & III (2.20 & 2.43 ratio) (s/n 0W250000 and up)

**1589-865440H01**

Fits Bravo II (1.81) & III (1.81) (s/n 0W250000 and up)

**1589-865440H02**

Fits Bravo III (1.50) (s/n 0W250000 and up)

**BRAVO SEACORE DRIVESHAFT HOUSING - COMPLETE**
**1500-866458J01**

SeaCore

Fits Bravo I (1.36), II (1.81) & III (1.36)

**1500-866458J02**

SeaCore

Fits Bravo I (1.50), II (2.00) & III (1.65 & 2.00)

**1500-866458J03**

SeaCore

Fits Bravo I (1.65), II (2.20) & III (2.20 & 2.43 ratio)

**1500-866458J04**

SeaCore

Fits Bravo II (1.81) & III (1.81)

**BRAVO X DRIVESHAFT HOUSING - COMPLETE**

**1589-865440H66**

Fits Bravo I X (1.36), II X (1.50 & 1.81) & III X (1.36 & 1.81) (s/n 0W250000 and up)

**1589-865440H67**

Fits Bravo I X (1.50), II X (1.65 & 2.00) & III X (1.50, 1.65 & 2.00) (s/n 0W250000 and up)

**1589-865440H68**

Fits Bravo I X (1.65), II X (2.20) & III X (2.20 & 2.43) (s/n 0W250000 and up)

**1589-865440H56**

Fits Bravo I XR (s/n 0W240000 and up)

**1589-865440H73**

Fits Bravo I XR with integrated transom (s/n 0W240000 and up)

**BRAVO X SEACORE DRIVESHAFT HOUSING - COMPLETE**
**1500-866459J01**

SeaCore

Fits Bravo I X (1.36), II X (1.50 & 1.81) & III X (1.36 & 1.81)

**1500-866459J02**

SeaCore

Fits Bravo I X (1.50), II X (1.65 & 2.00) & III X (1.50, 1.65 & 2.00)

**1500-866459J03**

SeaCore

Fits Bravo I X (1.65), II X (2.20) & III X (2.20)

**1500-866459J04**

SeaCore

Fits Bravo III XR (2.00)

## DRIVESHAFT HOUSINGS - BASIC

### ALPHA ONE GEN II DRIVESHAFT HOUSING



**1547-861063A 4**

Fits Alpha One Gen II (s/n 0L100040 and up)

### BRAVO DRIVESHAFT HOUSING



**1589- 8868A15**

Fits Bravo I (s/n 0B664190-0D469908)

**1589- 8868G21**

Fits Bravo I (s/n 0D469909 - 0L999999)

Fits Bravo II (s/n 0B664190 - 0L999999)

Fits Bravo III (s/n 0D784124 - 0L999999)

**1589-864571A72**

Fits Bravo I/II/III (s/n 0M100001-0W249999)

**1589-864571A70**

Fits Bravo I/II/III X & XR/XZ (s/n 0M100001-0W239999)

### BRAVO DRIVESHAFT HOUSING



**1589-865440H72**

Fits Bravo I/II/III (s/n 0W250000 and up)

**1500-866458J00**

SeaCore

Fits Bravo I/II/III

## BRAVO DRIVESHAFT HOUSING



**1589-865440H70**

Fits Bravo I/II/III X & XR (s/n 0W240000 and up)

**1500-866459J00**

SeaCore

Fits Bravo I/II/III X & XR

## GEAR HOUSINGS - COMPLETE

### ALPHA ONE GEAR HOUSING - COMPLETE



**1623- 8951A43**

Standard Rotation (RH)

Fits R, MR & Alpha One

**1623- 8951A33**

Counter Rotation (LH)

Fits MR & Alpha One

### ALPHA ONE GEN II GEAR HOUSING - COMPLETE



**1623-815822A53**

1.47, 1.62, 1.81 & 1.94 ratio

Standard Rotation (RH)

Fits Alpha One Gen II

**1623-815822A47**

1.47, 1.62, 1.81 & 1.94 ratio

Counter Rotation (LH)

Fits Alpha One Gen II

**1623-815822A55**

2.00 & 2.40 ratio

Standard Rotation (RH)

Fits Alpha One Gen II

**1623-815822A52**

2.00 ratio

Counter Rotation (LH)

Fits Alpha One Gen II

## BRAVO ONE GEAR HOUSING - COMPLETE



### 1656- 8866A63

With dual water pickup  
1.36, 1.50 & 1.65 ratio  
Fits Bravo I (s/n 0D649909 & up) & I X drives

### 1656- 8866J01

SeaCore  
With dual water pickup  
1.36, 1.50 & 1.65 ratio  
Fits Bravo I & I X drives

### 1656- 8866A83

With heavy duty propshaft and dual water pickup  
Fits Bravo I XR (1.35)

### 1656- 8866A62

With heavy duty propshaft and dual water pickup  
Fits Bravo I XR (1.50) & XZ (1.36 & 1.50)

## BRAVO TWO GEAR HOUSING - COMPLETE



### 1641- 8294A19

1.50 & 1.65 ratio  
Fits Bravo II (s/n 0D469920 & up) & II X

### 1641- 8294A16

1.81, 2.00 & 2.20 ratio  
Fits Bravo II (s/n 0D469920 & up) & II X

### 1641- 8294J02

SeaCore  
1.65 ratio  
Fits Bravo II X

### 1641- 8294J01

SeaCore  
1.81, 2.00 & 2.20 ratio  
Fits Bravo II & IIX

## BRAVO THREE GEAR HOUSING - COMPLETE



### 1656-8M0046733

1.36 & 1.50 ratio, dual water pickup  
Fits Bravo III (s/n 0D784124 and up) & III X

### 1656-8M0046735

1.65 ratio, dual water pickup  
Fits Bravo III (s/n 0D784124 and up) & III X. Also fits Bravo III XR - 1.65 ratio (0W240000 & up)

### 1656-8M0046738

1.81, 2.00 & 2.20 ratio, dual water pickup  
Fits Bravo III X (s/n 0W240000 & up). Also fits Bravo III XR - 2.00 ratio (0W240000 & up)

### 1656-8M0046682

2.43 ratio, dual water pickup  
Fits Bravo III (s/n 0D784124 and up) & III X

### 1656-8M0046831

1.81 ratio, dual water pickup  
Fits Bravo III XR (s/n 0W240000 and up)

### 1656- 8866J08

SeaCore  
1.36 & 1.50 ratio  
Fits Bravo III X

### 1656- 8866J24

SeaCore  
1.65 ratio  
Fits Bravo III & III X

### 1656- 8866J09

SeaCore  
1.81, 2.00 & 2.20 ratio  
Fits Bravo III & III X. Also fits Bravo III XR - 2.00 ratio

### 1656- 8866J07

SeaCore  
1.81ratio  
Fits Bravo III XR - 1.81 ratio

### 1656- 8866J25

SeaCore  
2.43 ratio  
Fits Bravo III

## GEAR HOUSINGS - BASIC

### MC-I/R GEAR HOUSING



### 1623- 5356A 4

Fits MC-I & R drives

### ALPHA ONE GEAR HOUSING



### 1623- 8951A37

Standard Rotation (RH)  
Fits MR & Alpha One

## 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 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

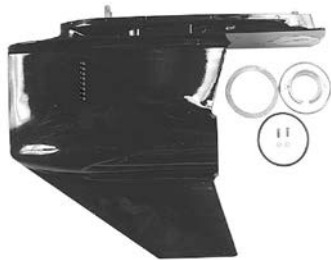
## BRAVO ONE GEAR HOUSING



### 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

SERIAL TAG LOCATION-STERNDRIVES

Serial tag location – Bravo drive



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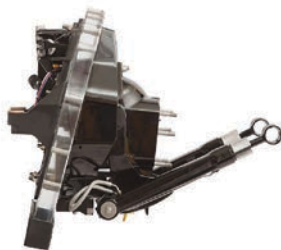
## MERCRUISER TRANSOMS - NEW

The transom assembly is the least discussed component but inarguably, 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 the cooling 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 important function of sealing seawater outside the boat.

When you consider the importance and value of this critical component, make sure to also consider the condition of your present 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

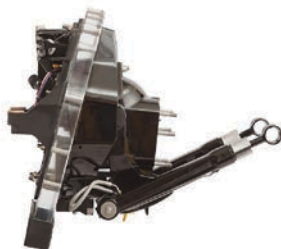
#### BRAVO TRANSOM

Image not  
Available.

##### 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 - Axis Gen I  
Used with 5.0L, 350 Mag, 377 Mag, 496 & HO MPI engines w/ Axis 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 Axis 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. Quicksilver will offer 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.

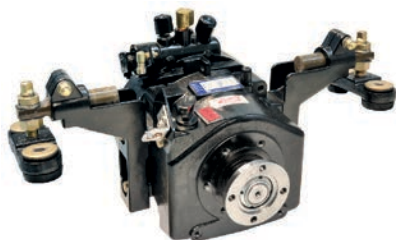
Transmission gear ratio is boat hull and weight dependent. If you have no idea where to start, some typical gear ratios based on boat length are shown below for what is common in most applications.

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 hardware.

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.

## BORG WARNER / VELVET DRIVE DIRECT-ACROSS

### TRANSMISSION ASSEMBLY



#### 8M0129098

Completely dressed. Brand new Quicksilver exclusive 6-PAK Heavy Duty 71C Coaxial inboard transmission machined for and assembled with 6 forward gear heavy duty clutches and increased clutch pressure. Includes oil cooler, hoses, and mounting hardware. 4" output flange. Recommended for heavy boat applications (5000-15,000#) with engines up to 450 HP @ 6000 RPM.

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 Borg Warner 71C Series Direct Drive Transmission with 1.00 Gear Ratio where heavy boat loading is required using 5.7L, 6.2L, & 383 small block engines.

## INBOARD TRANSMISSIONS - REMAN

Mercury Remanufacturing provides a high-quality selection of ZF/Hurth and Borg Warner Transmissions. Every Transmission is completely disassembled, inspected, carefully cleaned and reassembled utilizing 100% OEM components. With a One-Year Factory Limited Warranty, Inboard Transmissions from Mercury Remanufacturing can be installed with complete confidence.

### ZF / HURTH 630A DOWN ANGLE TRANSMISSIONS -REMAN

#### TRANSMISSION ASSEMBLY



**863744R04**

Remanufactured Down-Angle Inboard Transmission  
This is a Full Power Reverse Transmission for use with Standard (Right Hand) Rotation Engines  
Replaces ZF / Hurth HSW630A1 Transmissions with 2.50:1 Gear Ratio.

### ZF / HURTH 630 V-DRIVE TRANSMISSIONS -REMAN

#### TRANSMISSION ASSEMBLY



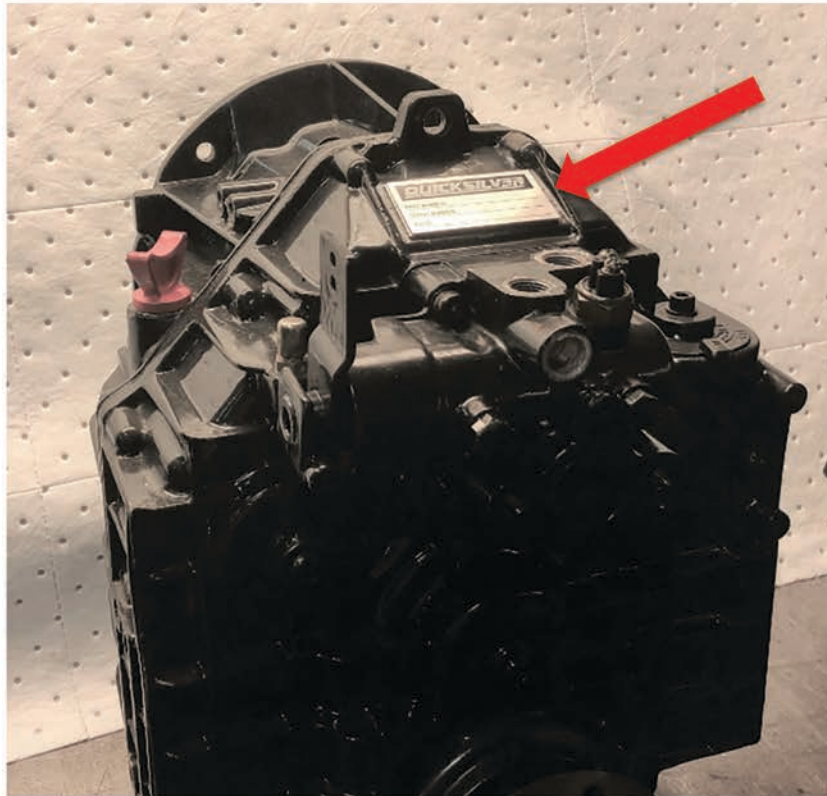
**863745R04**

Remanufactured V-Drive Inboard Transmission  
This is a Full Power Reverse Transmission for use with Standard (Right Hand) Rotation Engines  
Replaces ZF / Hurth HSW630V1 Transmissions with 2.50:1 Gear Ratio.

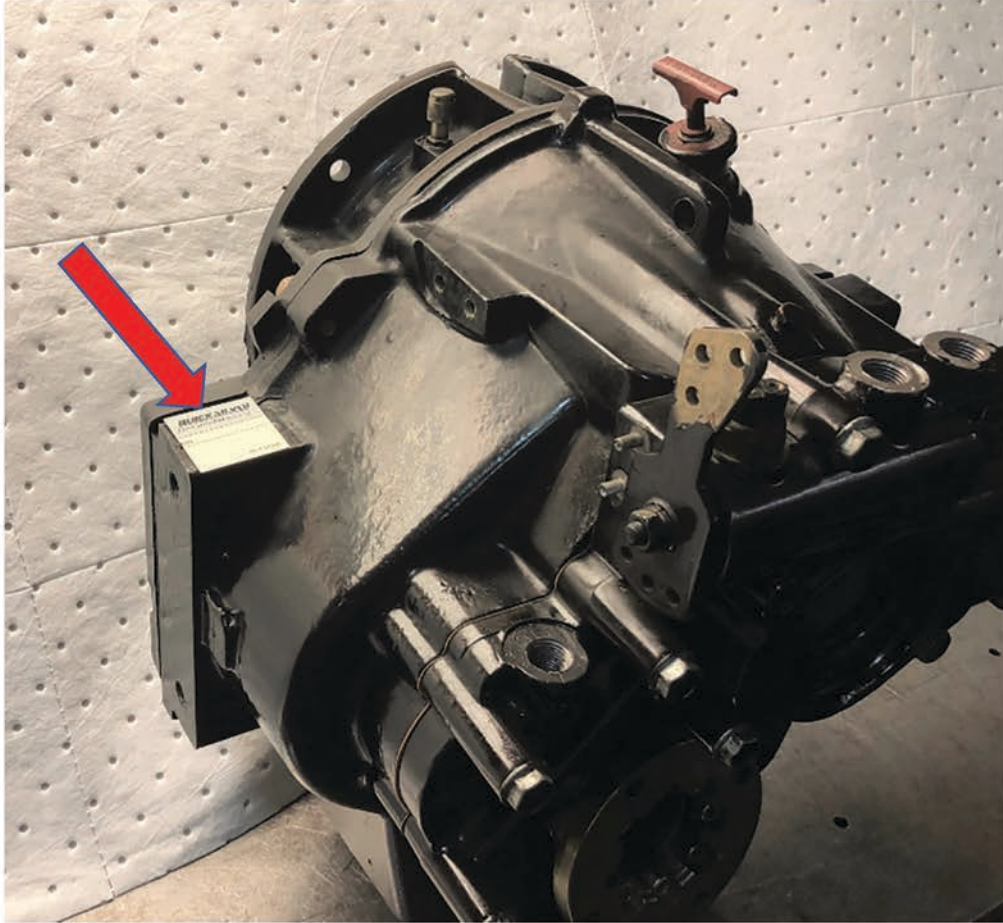
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SERIAL TAG LOCATION-TRANSMISSIONS

Serial tag location for transmissions



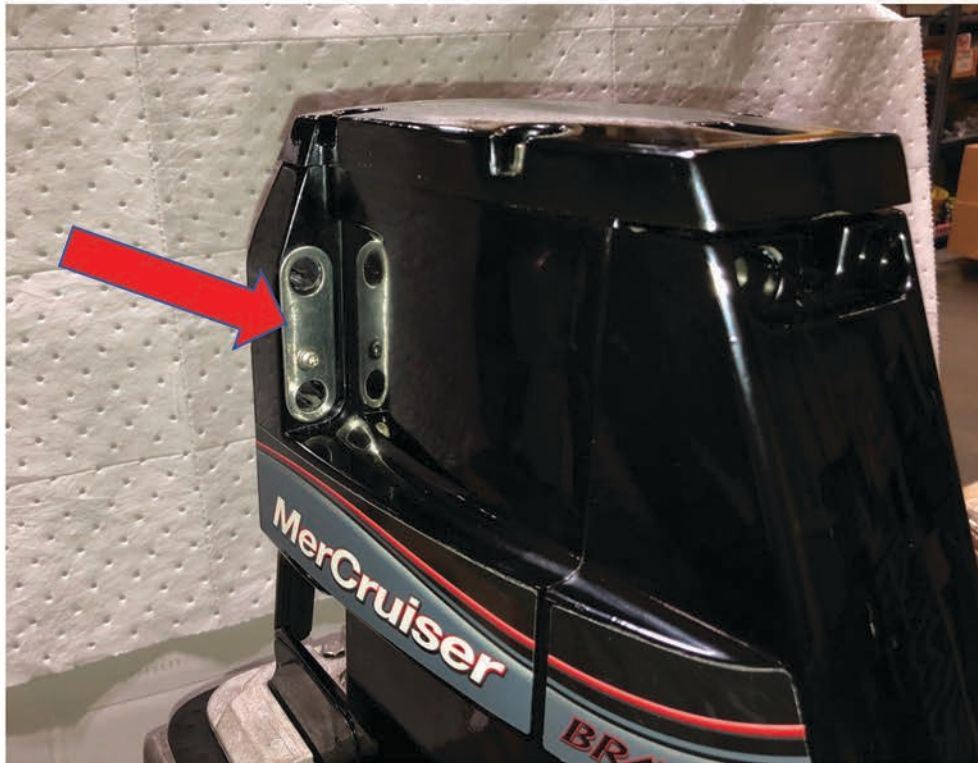
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## Serial tag location – Bravo drive

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## 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.



MERCURISER

## 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 & MerCruiser 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                      | Up 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             |

## PROPELLERS FOR PLUS SERIES ENGINES

| 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             |

MERCURUISER

### 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             |

# PROPELLERS FOR PLUS SERIES ENGINES

## 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             |

# PROPELLERS FOR PLUS SERIES ENGINES

## 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             |

MERCURISER

## 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             |

# PROPELLERS FOR PLUS SERIES ENGINES

## 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             |

# PROPELLERS FOR PLUS SERIES ENGINES

| 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             |

| Diameter (inches) | Pitch (inches) | Blades | Approx. Gross Boat Wgt. (lbs.) | Approx. Boat Length (ft.) | Speed Range (mph) |
|-------------------|----------------|--------|--------------------------------|---------------------------|-------------------|
| 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             |

MERCURIS

## 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           | 8M0062850        |
| 805052A 1           | 8M0062850        |
| 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                | 14149R50         |
| 9690                | 14149R50         |
| 12178A 1            | 14149R50         |
| 12179A 1            | 14149R50         |
| 13409A 1            | 14149R50         |
| 13410A 1            | 14149R50         |
| 14148A 1            | 14149R50         |
| 14149A 1            | 14149R50         |
| 807735A 1           | 807736R50        |
| 861730A 1           | 807736R50        |
| 862756A 1           | 807736R50        |
| 862757A 1           | N/A              |
| 864256A 1           | 8M0063328        |
| 806346A 1           | 806347R50        |
| 806347A 1           | 806347R50        |
| 879150A31           | N/A              |

## MerCruiser 5.0L / 305 Longblock

| New Quicksilver P/N | Reman Pro-Series |
|---------------------|------------------|
| 14153A 1            | 805636R50        |
| 805636A 1           | 805636R50        |
| 861447A 1           | N.L.A.           |
| 862068A 1           | N.L.A.           |
| 862758A 1           | N.L.A.           |

| New Quicksilver P/N | Reman Pro-Series |
|---------------------|------------------|
| 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            | 883944R50        |
| 14155A 1            | 883944R50        |
| 14156A 1            | N.L.A.           |
| 860186A 2           | N.L.A.           |
| 864652A01           | 807449R50        |
| 821151A 1           | 807447R50        |
| 807447A 1           | 807447R50        |
| 806801A 1           | 807447R50        |
| 807449A 1           | 807449R50        |
| 862070A 2           | 807449R50        |
| 862760A 2           | 807449R50        |
| 863661A 1           | 807449R50        |
| 807315A 1           | 883944R50        |
| 860183A 1           | 807447R50        |
| 807448A 1           | 807447R50        |
| 863661A 2           | N/A              |
| 864652A01           | 807449R50        |
| 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           | 806351R50        |
| 806351A 1           | 806351R50        |
| 807162A 1           | N.L.A.           |
| 807739A 1           | N.L.A.           |
| 861097A 1           | 883281R50        |
| 861097A 2           | 883281R50        |
| 807161A 1           | 806351R50        |
| 805540A 1           | 806351R50        |
| 806359A 1           | 806351R50        |

**MerCruiser 8.1L / 496 Longblock**

| New Quicksilver P/N | Reman Pro-Series |
|---------------------|------------------|
| 862762A 1           | 8M0173775        |
| 863815A 1           | 8M0173775        |
| 863815A02           | 8M0173775        |
| 865273A01           | 8M0173775        |
| 865519A01           | 8M0173775        |
| 865752A01           | 8M0173775        |
| 862764A 1           | 8M0173776        |
| 863817A 1           | 8M0173776        |
| 863817A02           | 8M0173776        |
| 865275A01           | 8M0173776        |
| 865521A01           | 8M0173776        |
| 865754A01           | 8M0173776        |

**MerCruiser 8.2L / 502 Longblock**

| New Quicksilver P/N | Reman Pro-Series |
|---------------------|------------------|
| 805539A 1           | 8M0062846        |
| 806353A 1           | 8M0062846        |
| 806361A 1           | 8M0062846        |
| 807745A 1           | 8M0062846        |
| 807745A 3           | 8M0062846        |
| 807745A05           | 8M0062846        |
| 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 | 1589-863836R50 |
| 8868G93   | 1589-863836R50 |
| 8868G63   | 1589-863836R50 |
| 863836A51 | 1589-863836R51 |
| 8868G19   | 1589-863836R51 |
| 8868G11   | 1589-863836R51 |
| 863836A52 | 1589-863836R52 |
| 8868H88   | 1589-863836R52 |
| 8868G17   | 1589-863836R52 |
| 863836A67 | 1589-863836R67 |
| 863836A54 | 1589-863836R67 |
| 8868H82   | 1589-863836R67 |
| 863836A56 | N.L.A.         |
| 8868H80   | N.L.A.         |

**MERCURISER 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- 8294R16 |
| 8866A15   | 1656- 8866R63 |
| 8866A20   | 1656- 8866R04 |
| 8866A35   | 1656- 8866R04 |
| 8866A63   | 1656- 8866R63 |
| 8866A67   | 1656- 8866R04 |
| 8866G04   | 1656- 8866R04 |
| 8951A23   | N.L.A.        |

## CROSS REFERENCE CHARTS

| 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                                 | 863744R04 |
| 862220A 1                                | 863744R05 |
| 863744T 3                                | 863744R04 |
| 863744T 4                                | 863744R04 |
| 863744T 5                                | 863744R05 |
| ZF-Hurth V-Drive Transmissions           |           |
| 814437A 1                                | N.L.A.    |
| 814438A 1                                | 863745R03 |
| 814439A 1                                | 863745R04 |
| 863745T 2                                | N.L.A.    |
| 863745T 3                                | 863745R03 |
| 863745T 4                                | 863745R04 |
| 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                                | 805495R60 |
| Borg-Velvet / V-Drive Transmission       |           |
| 807481A 5                                | N.L.A.    |
| 807481A 6                                | N.L.A.    |
| 807481A 7                                | N.L.A.    |

MERCURUISER

## APPLICATION INFORMATION CHARTS

## POPULAR COMBINATIONS

**QUICKSILVER®**  
Engines

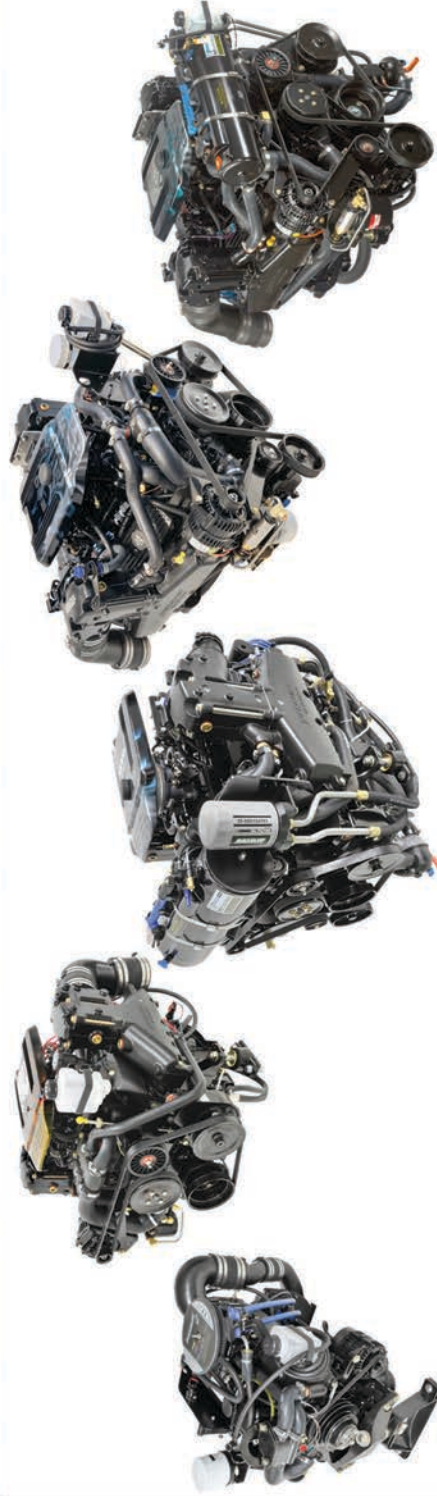
**MERCURY®**  
Remanufacturing

**QUICKSILVER®**

Mer-Cruiser  
**SEACORE**  
system

## THE MOST POPULAR STERNDRIIVE ENGINE, DRIVE AND TRANSOM COMBINATIONS

| Popular Sterndrive Boats           | # of Engines | Winning Repower Application                 | Engine SKU | Drive SKU | Drive Ratio | Transom SKU | Benefits                                                                             |
|------------------------------------|--------------|---------------------------------------------|------------|-----------|-------------|-------------|--------------------------------------------------------------------------------------|
| 16'-18' Runabout & Houseboat       | 1            | Mercury Remanufacturing 3.0L Alpha          | 8M0168484  | 51100007P | 2.00:1      | 61000004P   | Smoother engine operation, Easy Starts & 135 HP                                      |
| 18'-20' Runabout & Houseboat       | 1            | QuickSilver 3.0L Alpha                      | 8M0167348  | 51100007P | 2.00:1      | 61000004P   | Smoother engine operation, Easy Starts & 135 HP                                      |
| 18'-20' Runabout & Deckboat        | 1            | Mercury Remanufacturing 4.3L Alpha 4V       | 8M0167349  | 51213007P | 1.62:1      | 61000008P   | Power upgrade, replaces 4.3L & 5.0L, Trim Pump Included with Transom & 225 HP        |
| 19'-25' Runabout & Deckboat        | 1            | Mercury Remanufacturing 350 MPI Alpha       | 8M0168295  | 51100008P | 1.47:1      | 61000008P   | Upgrade 5.0L, 5.7L, 5.0L MPI & 350 MPI & 300 HP w/Fuel Injection                     |
| 21'-25' Runabout & Deckboat        | 1            | QuickSilver 350 MPI Alpha                   | 8M0167350  | 51100008P | 1.47:1      | 61000004P   | Upgrade 5.0L, 5.7L, 5.0L MPI & 350 MPI & 300 HP w/Fuel Injection                     |
| 21'-25' Runabout & Deckboat        | 1            | QuickSilver 350 MPI Bravo Three             | 8M0167360  | 52300002P | 2.20:1      | 62000025P   | Bravo Three enhances cruise economy & acceleration & 300 HP w/Fuel Injection         |
| 26'-34' Cruiser                    | 2            | QuickSilver 350 MPI Bravo Three             | 8M0167360  | 52300002P | 2.20:1      | 62000025P   | Bravo Three enhances cruise economy & acceleration & 300 HP w/Fuel Injection         |
| 26'-34' Cruiser & Houseboat <45mph | 2            | QuickSilver 350 MPI Bravo Two               | 8M0168296  | 52300002P | 2.20:1      | 62000025P   | Bravo Two swings 20° prop for best control of bigger boats, 300 HP w/Fuel Injection  |
| 21'-27' Runabout & Deckboat        | 1            | Mercury Remanufacturing 383 MPI Bravo Three | 8M0167361  | 52300002P | 2.20:1      | 62000025P   | 383 MPI provides 10% better acceleration and cruise range than 7.4L & 350 HP         |
| 21'-27' Runabout & Deckboat        | 1            | QuickSilver 383 MPI FWC Bravo Three         | 8M0167361  | 52300002P | 2.20:1      | 62000025P   | 383 MPI provides 10% better acceleration and cruise range than 7.4L & 350 HP         |
| 26'-36' Sport Boat 60+ mph         | 2            | QuickSilver 383 MPI FWC Bravo One           | 8M0167361  | 52100004P | 1.65:1      | 62000025P   | Bravo One provides best handling for 60+ mph boats & 350 HP w/Fuel Injection         |
| 26'-36' Cruiser                    | 2            | QuickSilver 383 MPI FWC Bravo Three         | 8M0167361  | 52300002P | 2.00:1      | 62000025P   | Bravo Three enhances cruise economy & acceleration & 350 HP w/Fuel Injection         |
| 26'-36' Cruiser - Saltwater        | 2            | QuickSilver 383 MPI FWC Bravo Three         | 8M0167361  | 52300002P | 2.00:1      | 62000025P   | Bravo Three enhances cruise economy & acceleration & 350 HP w/Fuel Injection         |
| 22'-30' Runabout & Deckboat        | 1            | QuickSilver 409 MPI Bravo Three X           | 8M0165589  | 54475001Z | 2.20:1      | 62000025P   | 409 MPI provides 10% better acceleration and cruise range than 4.0L & 360 HP         |
| 26'-36' Sport Boat 60+ mph         | 2            | QuickSilver 409 MPI FWC Bravo One X         | 8M0165589  | 52372001P | 1.65:1      | 62000025P   | Bravo One X provides best handling for 60+ mph boats & 400 HP w/Fuel Injection       |
| 32'-38' Cruiser                    | 2            | QuickSilver 409 MPI FWC Bravo Three X       | 8M0165589  | 54475001Z | 2.20:1      | 62000025P   | Bravo Three X enhances cruise economy & acceleration & 400 HP w/Fuel Injection       |
| 32'-38' Cruiser - Saltwater        | 2            | QuickSilver 409 MPI FWC Bravo Three X       | 8M0165589  | 54475001P | 2.20:1      | 68110021P   | SeaCore with FWC on 409 MPI engine provides the best durability in saltwater, 400 HP |



# APPLICATION INFORMATION CHARTS

## ALPHA REPOWER

|   |                                                          | 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 CYLINDER INCLUDED |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|------------------|------------|-----------------------------|--------------------------|-----------------------|----------------|---------------------------|-----------------------------|-------------------------------------------------|
| MODEL                                                                                                                                                               | DESCRIPTION                                              |                  |            |                             |                          |                       |                |                           |                             |                                                 |
|                                                                                                                                                                     |                                                          |                  |            |                             |                          |                       |                |                           |                             |                                                 |
| <b>3.0L ALPHA REPOWER</b>                                                                                                                                           |                                                          |                  |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0187358                                                                                                                                                           | QS PLUS SERIES 3.0L TKS ALPHA w/Remote Oil, w/o PS       | 1 YEAR           | 135        | N                           | N                        | N                     | RWC            | 14                        | 11"                         | N                                               |
| 8M0168484                                                                                                                                                           | REMAN PLUS SERIES 3.0L TKS ALPHA w/Remote Oil, w/o PS    | 1 YEAR           | 135        | N                           | N                        | N                     | RWC            | 14                        | 11"                         | N                                               |
| 8M0187350                                                                                                                                                           | QS 3.0L CARB CRATE ENGINE - 135 HP                       | 1 YEAR           | 135        | N                           | N                        | N                     | NA             | 14                        | 11"                         | N                                               |
| 8M0187364                                                                                                                                                           | QS 3.0L LONGBLOCK - All Makes 1996 & UP - Carb & MC MPI  | 1 YEAR           |            |                             |                          |                       |                |                           |                             |                                                 |
| <b>4.3L ALPHA REPOWER</b>                                                                                                                                           |                                                          |                  |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0187349                                                                                                                                                           | REMAN PLUS SERIES 4.3L ALPHA 4V EST                      | 1 YEAR           | 225        | N                           | N                        | N                     | RWC            | 10                        | 13"                         | N                                               |
| 8M0188294                                                                                                                                                           | REMAN 4.3L LONGBLOCK - MPI 2001 - 2007, Carb '01-'15     | 1 YEAR           |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0188293                                                                                                                                                           | REMAN 4.3L LONGBLOCK - 1996 - 1999                       | 1 YEAR           |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0188292                                                                                                                                                           | REMAN 4.3L LONGBLOCK - 1993 - 1996                       | 1 YEAR           |            |                             |                          |                       |                |                           |                             |                                                 |
| <b>4.5L - 200 &amp; 250 ALPHA</b>                                                                                                                                   |                                                          |                  |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0114790                                                                                                                                                           | QS 4.5L LONGBLOCK 2014-Up                                | 1 YEAR           |            |                             |                          |                       |                |                           |                             |                                                 |
| <b>5.0L ALPHA REPOWER</b>                                                                                                                                           |                                                          |                  |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0187359                                                                                                                                                           | 350 MPI ALPHA QS PLUS SERIES                             | 1 YEAR           | 300        | N                           | N                        | Y                     | RWC            | 10                        | 13"                         | N                                               |
| 8M0188295                                                                                                                                                           | REMAN PLUS SERIES 350 MPI ALPHA                          | 1 YEAR           | 300        | N                           | N                        | Y                     | RWC            | 10                        | 13"                         | N                                               |
| 8M0187351                                                                                                                                                           | QS 350 MPI CRATE ENGINE '05-'15 - Voucher for 5.7L ECM!! | 1 YEAR           | 300        | N                           | N                        | N                     | NA             | 10                        | 13"                         | N                                               |
| 8M0187352                                                                                                                                                           | QS 350 MPI CRATE ENGINE '02-'04 - Voucher for 5.7L ECM!! | 1 YEAR           | 300        | N                           | N                        | N                     | NA             | 10                        | 13"                         | N                                               |
| <b>5.7L, 350 &amp; 357 ALPHA REPOWER</b>                                                                                                                            |                                                          |                  |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0187359                                                                                                                                                           | 350 MPI ALPHA QS PLUS SERIES                             | 1 YEAR           | 300        | N                           | N                        | Y                     | RWC            | 10                        | 13"                         | N                                               |
| 8M0188295                                                                                                                                                           | REMAN PLUS SERIES 350 MPI ALPHA                          | 1 YEAR           | 300        | N                           | N                        | Y                     | RWC            | 10                        | 13"                         | N                                               |
| 8M0187351                                                                                                                                                           | QS 350 MPI CRATE ENGINE '05-'15, USE ORIGINAL ECM        | 1 YEAR           | 300        | N                           | N                        | N                     | NA             | 10                        | 13"                         | N                                               |
| 8M0187352                                                                                                                                                           | QS 350 MPI CRATE ENGINE '02-'04, USE ORIGINAL ECM        | 1 YEAR           | 300        | N                           | N                        | N                     | NA             | 10                        | 13"                         | N                                               |
| 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           |            |                             |                          |                       |                |                           |                             |                                                 |

Upgrade a 5.0L carb with a 350 Crate motor!!

Upgrade a 5.0 MPI with a Crate engine that includes voucher for a 5.7L ECM/PCM!!!

Upgrade a 5.0L carb with a 350 Crate motor!!

Upgrade a 5.0 MPI with a Crate engine that includes voucher for a 5.7L ECM/PCM!!!

## BRAVO REPOWER

|  |                                                         |  |            |                             |                          |                       |                |                           |                             |                                                 |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------|------------|-----------------------------|--------------------------|-----------------------|----------------|---------------------------|-----------------------------|-------------------------------------------------|
| 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 CYLINDER INCLUDED |
| 4.3L BRAVO REPOWER                                                                |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0188294                                                                         | REMAN 4.3L LONGBLOCK - MPI 2001 - 2007, Carb '01-'15    | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0188293                                                                         | REMAN 4.3L LONGBLOCK - 1996 - 1999                      | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0188292                                                                         | REMAN 4.3L LONGBLOCK - 1993 - 1996                      | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 4.5L - 200 & 250 BRAVO                                                            |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0114790                                                                         | QS 4.5L LONGBLOCK 2014-Up                               | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 5.0L BRAVO REPOWER                                                                |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0187360                                                                         | 350 MPI BRAVO QS PLUS SERIES                            | 1 YEAR                                                                            | 300        | N                           | N                        | Y                     | RWC            | 10                        | 13"                         | N                                               |
| 8M0187351                                                                         | QS 350 MPI CRATE ENGINE '05-'15, USE ORIGINAL ECM       | 1 YEAR                                                                            | 300        | N                           | N                        | N                     | NA             | 10                        | 13"                         | N                                               |
| 8M0187352                                                                         | QS 350 MPI CRATE ENGINE '02-'04, USE ORIGINAL ECM       | 1 YEAR                                                                            | 300        | N                           | N                        | N                     | NA             | 10                        | 13"                         | N                                               |
| 5.7L, 350 & 357 BRAVO REPOWER                                                     |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0187361                                                                         | 383 MPI BRAVO FWC QS PLUS SERIES                        | 1 YEAR                                                                            | 350        | N                           | N                        | Y                     | FWC            | 10                        | 13"                         | N                                               |
| 8M0187360                                                                         | 350 MPI BRAVO QS PLUS SERIES                            | 1 YEAR                                                                            | 300        | N                           | N                        | Y                     | RWC            | 10                        | 13"                         | N                                               |
| 8M0187351                                                                         | QS 350 MPI CRATE ENGINE '05-'15, USE ORIGINAL ECM       | 1 YEAR                                                                            | 300        | N                           | N                        | N                     | NA             | 10                        | 13"                         | N                                               |
| 8M0187352                                                                         | QS 350 MPI CRATE ENGINE '02-'04, USE ORIGINAL ECM       | 1 YEAR                                                                            | 300        | N                           | N                        | N                     | NA             | 10                        | 13"                         | N                                               |
| 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 - 300 & 350 BRAVO                                                            |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0125139                                                                         | QS 6.2L LONGBLOCK '15-'16 - SN 2A456613 to 2A530775     | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0114814                                                                         | QS 6.2L LONGBLOCK '16-Up - SN 2A530776 & Up             | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 6.2L, 377, & 383 BRAVO REPOWER                                                    |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0185589                                                                         | 409 MPI BRAVO FWC QS PLUS SERIES                        | 1 YEAR                                                                            | 400        | N                           | N                        | Y                     | FWC            | 10                        | 13"                         | N                                               |
| 8M0187361                                                                         | 383 MPI BRAVO FWC QS PLUS SERIES                        | 1 YEAR                                                                            | 350        | N                           | N                        | Y                     | FWC            | 10                        | 13"                         | N                                               |
| 8M0188296                                                                         | REMAN PLUS SERIES 383 MPI BRVO                          | 1 YEAR                                                                            | 350        | N                           | N                        | Y                     | RWC            | 10                        | 13"                         | N                                               |
| 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                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0187372                                                                         | QS 383 MPI LONGBLOCK - 350 HP                           | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 409 MPI BRAVO REPOWER - NEW!                                                      |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0185589                                                                         | 409 MPI BRAVO FWC QS PLUS SERIES                        | 1 YEAR                                                                            | 400        | N                           | N                        | Y                     | FWC            | 10                        | 13"                         | N                                               |
| 7.4L, 454 H.O. & 502 BRAVO REPOWER                                                |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0185589                                                                         | 409 MPI BRAVO FWC QS PLUS SERIES                        | 1 YEAR                                                                            | 400        | N                           | N                        | Y                     | FWC            | 10                        | 13"                         | N                                               |
| 8M0187361                                                                         | 383 MPI BRAVO FWC QS PLUS SERIES                        | 1 YEAR                                                                            | 350        | N                           | N                        | Y                     | FWC            | 10                        | 13"                         | N                                               |
| 8M0188296                                                                         | REMAN PLUS SERIES 383 MPI BRVO                          | 1 YEAR                                                                            | 350        | N                           | N                        | Y                     | RWC            | 10                        | 13"                         | N                                               |
| 496 & 496 H.O. BRAVO REPOWER                                                      |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0185589                                                                         | 409 MPI BRAVO FWC QS PLUS SERIES                        | 1 YEAR                                                                            | 400        | N                           | N                        | Y                     | FWC            | 10                        | 13"                         | N                                               |
| 8M0187378                                                                         | QS 8.1L H.O. LONGBLOCK - ALL BRANDS SUPPORTED           | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0187377                                                                         | QS 8.1L LONGBLOCK - ALL BRANDS SUPPORTED                | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 8.2 - 380 & 430 BRAVO                                                             |                                                         |                                                                                   |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0157869                                                                         | MC 8.2L LONGBLOCK - 2010+ MerCruiser Only               | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |
| 8M0188322                                                                         | REMAN CPO 8.2L LONGBLOCK - 2010+ CPO BRAVO ONLY         | 1 YEAR                                                                            |            |                             |                          |                       |                |                           |                             |                                                 |

350 & 383 PLUS SERIES ENGINES MAKE A GREAT REPOWER UPGRADE FOR OLDER

## INBOARD 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

| <div>  <b>VOLVO ENGINES</b> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------|
| PART NUMBER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | VOLVO MODEL/APPLICATION                | COMMENTS                                                   |
| <b>Longblocks</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                                                            |
| 8M0187364                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3.0GL/GS                               | Crank pilot bore for Volvo coUplers 1999+                  |
| 8M0188294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4.3GL-A thru G                         | 2000-2007 Carbureted                                       |
| 8M0188294                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4.3GX-A thru G                         | 2000-2007 EFI requiring 3X reluctor                        |
| 8M0188306                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4.3GX-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                                                |
| <b>Crate Engines</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                                                            |
| 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 |
| <b>Inboard Repower Engines</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                                                            |
| 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                                      |
| <div>  <p><b>Transom Adapter Kit</b><br/>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.</p> </div> <div> <p>Need to completely repower your classic boat, but the Volvo cutout doesn't match modern transoms? No worries! Order transom adaptor kit 827691A 1</p> </div> |                                        |                                                            |

## INBOARD TRANSMISSIONS

| <div>  <b>INBOARD TRANSMISSIONS</b> </div> |              |                                             |                  |
|-----------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------|------------------|
| Part Number                                                                                                                 | Description  | Notes                                       | Limited Warranty |
| <b>NEW GAS ENGINE TRANSMISSION ASSEMBLIES - Cooler, Hoses, Hardware &amp; Mounts Included</b>                               |              |                                             |                  |
| 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

| <b>QUICKSILVER®</b>                                                                    |                                             | <b>RIGGING ACCESSORIES</b> |                                                |                   |
|----------------------------------------------------------------------------------------|---------------------------------------------|----------------------------|------------------------------------------------|-------------------|
| Part Number                                                                            | Description                                 | Limited P&A Warranty       | Notes                                          |                   |
| <b>3.0L ALPHA REPOWER</b>                                                              |                                             |                            |                                                |                   |
| 865380A25                                                                              | Power Trim Pump                             | 1 YEAR                     | Not included with Plus Series engines          |                   |
| 8M0208402                                                                              | Power Steering Actuator                     | 1 YEAR                     | Not included with Plus Series engines          |                   |
| 861481A2                                                                               | Power Steering Pump & Cooler Kit            | 1 YEAR                     | Traditional 3.0L PS System w/o Cylinder        |                   |
| 865677T02                                                                              | Transom Harness                             | 1 YEAR                     | Connects engine to transom assembly            |                   |
| 84-866337T01                                                                           | 14-10 Pin Harness Adapter                   | 1 YEAR                     | For newer 14-pin engines in boats with 10-pin  |                   |
| <b>V-6 &amp; V-8 EXCEPT 8.1/496 &amp; 8.2L</b>                                         |                                             |                            |                                                |                   |
| 98-8M0117124                                                                           | Exhaust "Y" Pipe                            | 1 YEAR                     | Not included with Plus Series engines          |                   |
| 865380A25                                                                              | Power Trim Pump                             | 1 YEAR                     | Not included with Plus Series engines          |                   |
| 865677T02                                                                              | Trim Pump Harness (incl w/ new eng)         | 1 YEAR                     | Not included with Plus Series engines          |                   |
| 8M0208402                                                                              | Power Steering Actuator                     | 1 YEAR                     | Not included with Plus Series engines          |                   |
| 865677T02                                                                              | Transom Harness                             | 1 YEAR                     | Connects engine to transom assembly            |                   |
| 84-866337T01                                                                           | 14-10 Pin Harness Adapter                   | 1 YEAR                     | For newer 14-pin engines in boats with 10-pin  |                   |
| 84-8M0153356                                                                           | 10-14 Pin Harness Adapter w/SmartCraft Data | 1 YEAR                     | 10-pin engines in boats with 14-pin w/CAN Data |                   |
| 46-807151A5                                                                            | Seawater Pump Kit                           | 1 YEAR                     | Required for Gen I Alpha with V-8 Repower      |                   |
| <b>8.1/496 &amp; 8.2L</b>                                                              |                                             |                            |                                                |                   |
| 98-8M0117125                                                                           | Exhaust "Y" Pipe - 496 & 8.2 MAG            | 1 YEAR                     | Comes standard with 8.2 MAG EC                 |                   |
| 44267A03                                                                               | Intermediate Elbow Kit - 496 - 0-2" Riser   | 1 YEAR                     | Comes standard with 8.2 MAG EC                 |                   |
| 44267A02                                                                               | Intermediate Elbow Kit - 496 - 6"-8" Riser  | 1 YEAR                     | Comes standard with 8.2 MAG EC                 |                   |
| 865380A25                                                                              | Power Trim Pump                             | 1 YEAR                     | Not included with Plus Series engines          |                   |
| 84-865677T02                                                                           | Trim Pump Harness (incl w/ new eng)         | 1 YEAR                     | Not included with Plus Series engines          |                   |
| 8M0208402                                                                              | Power Steering Actuator                     | 1 YEAR                     | Not included with Plus Series engines          |                   |
| 865677T02                                                                              | Transom Harness                             | 1 YEAR                     | Connects engine to transom assembly            |                   |
| 84-866337T01                                                                           | 14-10 Pin Harness Adapter                   | 1 YEAR                     | For newer 14-pin engines in boats with 10-pin  |                   |
| 892486K08                                                                              | Adapter 8.2L Gauges - Analog AGI to Digital | 1 YEAR                     | Required for non-SmartCraft gauges             |                   |
| <b>TRIM PUMP HARNESS - NOT INCLUDED WITH REMOTE CONTROL</b>                            |                                             |                            |                                                |                   |
| 84-817659T01                                                                           | Trim Pump Harness - 16 Foot                 | 1 YEAR                     | Older Round, 3-Pin Connector                   |                   |
| 84-881125A1                                                                            | Trim Pump Harness - 24 Foot                 | 1 YEAR                     | Older Round, 3-Pin Connector                   |                   |
| 84-865772T01                                                                           | Trim Pump Harness - 16 Foot                 | 1 YEAR                     | Newer Flat, 3-Pin Connector                    |                   |
| 84-865772T02                                                                           | Trim Pump Harness - 24 Foot                 | 1 YEAR                     | Newer Flat, 3-Pin Connector                    |                   |
| <b>PLUS SERIES CLOSED COOLING KITS - Also called Fresh Water Cooling Kit (FWC Kit)</b> |                                             |                            |                                                |                   |
| Plus Series Engine Model                                                               | Plus Series Part Number                     | Closed Cooling Kit         | Belt Kit                                       | Seawater Pump Kit |
| 350 Alpha MPI                                                                          | 8M0187359, 8M0188295                        | 864920A02                  | N/A                                            | 46-8M0139983      |
| 350 Bravo MPI                                                                          | 8M0187360                                   | 864920A02                  | N/A                                            | N/A               |
| 383 Bravo MPI                                                                          | 8M0188296                                   | 864920A02                  | N/A                                            | N/A               |
| 383 MPI Inboard                                                                        | 8M0225727                                   | 864920A02                  | N/A                                            | N/A               |
| <b>Mercury Remanufacturing 383 MPI Inboard V-Drive Conversion Parts Lists</b>          |                                             |                            |                                                |                   |
| Plus Series Engine Model                                                               | Cooling System                              | Description                | Part Number                                    | Qty               |
| 383 MPI Inboard                                                                        | Standard RWC                                | Front Bracket              | 863646 1                                       | 1                 |
| 383 MPI Inboard                                                                        | Standard RWC                                | Remote Oil Line            | 32-865056                                      | 1                 |
| 383 MPI Inboard                                                                        | Standard RWC                                | Remote Oil Line            | 32-865055                                      | 1                 |
| 383 MPI Inboard                                                                        | Standard RWC                                | Remote Filter Bkt          | 865057T                                        | 1                 |
| 383 MPI Inboard                                                                        | Standard RWC                                | Water Hose                 | 32-864568                                      | 1                 |
| 383 MPI Inboard                                                                        | Standard RWC                                | Water Hose                 | 32-864569                                      | 1                 |
| 383 MPI Inboard                                                                        | Standard RWC                                | Gasket-Restrict.           | 27-864850A02                                   | 2                 |
| Plus Series Engine Model                                                               | Cooling System                              | Description                | Part Number                                    | Qty               |
| 383 MPI Inboard                                                                        | Addition of Optional FWC Kit 864920A02      | Front Bracket              | 862015T                                        | 1                 |
| 383 MPI Inboard                                                                        | Addition of Optional FWC Kit 864920A02      | Remote Oil Line            | 32-865056                                      | 1                 |
| 383 MPI Inboard                                                                        | Addition of Optional FWC Kit 864920A02      | Remote Oil Line            | 32-865055                                      | 1                 |
| 383 MPI Inboard                                                                        | Addition of Optional FWC Kit 864920A02      | Remote Filter Bkt          | 865057T                                        | 1                 |

## NEW MERCURISER DRIVES

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**NEW MERCURISER  
DRIVES**

**QUICKSILVER**

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

| PART NUMBER                                               | DESCRIPTION                  | MAX HP<br>GAS<br>ENGINE | PROPELLER HUB |
|-----------------------------------------------------------|------------------------------|-------------------------|---------------|
| <b>Alpha Gen One</b>                                      |                              |                         |               |
| 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   |
| <b>Alpha Gen II</b>                                       |                              |                         |               |
| 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   |
| <b>Alpha Gen II - Counter Rotation</b>                    |                              |                         |               |
| 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   |
| <b>Quicksilver Alpha Gen II - 1 YEAR Limited Warranty</b> |                              |                         |               |
| 5-51100008P                                               | Alpha One Gen II 1.47        | 300                     | FLO-TORQ II   |
| 5-51100007P                                               | Alpha One Gen II 2.00        | 135                     | FLO-TORQ II   |
| <b>Quicksilver Classic Bravo One &amp; Three</b>          |                              |                         |               |
| 5-52100004P                                               | Bravo One 1.50 DWP           | 350                     | FLO-TORQ II   |
| 5-52100001P                                               | Bravo Three 2.00 DWP         | 350                     | SOLID HUB     |
| 5-52100002P                                               | Bravo Three 2.20 DWP         | 350                     | SOLID HUB     |
| <b>Bravo One</b>                                          |                              |                         |               |
| 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   |
| <b>Bravo One - SeaCore</b>                                |                              |                         |               |
| 5-5J31200TP                                               | Bravo One - SeaCore 1.50 DWP | 350                     | FLO-TORQ II   |
| 5-5J31300TP                                               | Bravo One - SeaCore 1.65 DWP | 350                     | FLO-TORQ II   |
| <b>Bravo Two</b>                                          |                              |                         |               |
| 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    |
| <b>Bravo Two - SeaCore</b>                                |                              |                         |               |
| 5-5K31600TP                                               | Bravo Two - SeaCore 2.00     | 350                     | RUBBER HUB    |
| 5-5K31500TP                                               | Bravo Two - SeaCore 2.20     | 350                     | RUBBER HUB    |

**MERCURY**  
GO BOLDLY.™

MerCruiser  
**SEACORE**  
system

**NEW MERCURUISER  
DRIVES**

**QUICKSILVER**®

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 |
|---------------------------------|-----------------------------------|-----|---------------|
| <b>Bravo Three</b>              |                                   |     |               |
| 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     |
| <b>Bravo Three - SeaCore</b>    |                                   |     |               |
| 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     |
| <b>Bravo One X</b>              |                                   |     |               |
| 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   |
| <b>Bravo One X - SeaCore</b>    |                                   |     |               |
| 5-5J31200TP                     | Bravo One - SeaCore 1.50 DWP      | 450 | FLO-TORQ II   |
| 5-5J31300TP                     | Bravo One - SeaCore 1.65 DWP      | 450 | FLO-TORQ II   |
| <b>Bravo Two X</b>              |                                   |     |               |
| 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    |
| <b>Bravo Two X - SeaCore</b>    |                                   |     |               |
| 5-5K37400TP                     | Bravo Two - SeaCore 1.81          | 450 | RUBBER HUB    |
| 5-5K37600TP                     | Bravo Two - SeaCore 2.00          | 450 | RUBBER HUB    |
| <b>Bravo Three X</b>            |                                   |     |               |
| 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     |
| <b>Bravo Three X - SeaCore</b>  |                                   |     |               |
| 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     |
| <b>Bravo One XR</b>             |                                   |     |               |
| 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     |
| <b>Bravo Two XR</b>             |                                   |     |               |
| 5-5T32300TP                     | Bravo Two XR 1.65                 | 525 | RUBBER HUB    |
| <b>Bravo Three XR</b>           |                                   |     |               |
| 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     |
| <b>Bravo Three XR - SeaCore</b> |                                   |     |               |
| 5-5M41600TP                     | Bravo Three XR - SeaCore 2.00 DWP | 525 | SOLID HUB     |

## CLASSIC MERCUISER DRIVES

CLASSIC MERCUISER  
DRIVES

| PART NUMBER                                                       | DESCRIPTION                                    | MAX HP GAS ENGINE | PROPELLER HUB |
|-------------------------------------------------------------------|------------------------------------------------|-------------------|---------------|
| <b>Alpha Gen One</b>                                              |                                                |                   |               |
| 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   |
| <b>Bravo One Classic (Early Design) S/N 0D469920 - 0W249999</b>   |                                                |                   |               |
| 5-52100004P                                                       | Bravo One 1.50 DWP (Classic Quicksilver Brand) | 415               | FLO-TORQ II   |
| <b>Bravo Three Classic (Early Design) S/N 0D469920 - 0W249999</b> |                                                |                   |               |
| 5-52300001P                                                       | Bravo Three 2.00 (Classic Quicksilver Brand)   | 415               | SOLID HUB     |
| 5-52300002P                                                       | Bravo Three 2.20 (Classic Quicksilver Brand)   | 350               | SOLID HUB     |

GEARCASES & DRIVEHAFT HOUSINGS ARE STILL AVAILABLE FOR DRIVES THAT ARE NLA (NO LONGER AVAILABLE)

## NEW AND REMANUFACTURED MERCUISER GEARCASES AND DRIVESHAFT HOUSINGS



NEW & REMANUFACTURED  
MERCURISER 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        |

## MERCURISER TRANSOMS


**MERCURY**  
GO BOLDLY.™



MERCURISER TRANSOMS



Use the [Bravo Magnum Transom](#) or  
[Bravo SeaCore Transom](#)  
for the 409 MPI Bravo

| Part Number                 | Description                           | Notes                                                   |
|-----------------------------|---------------------------------------|---------------------------------------------------------|
| <b>Alpha Transoms</b>       |                                       |                                                         |
| 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                                                    |
| <b>Bravo Transoms</b>       |                                       |                                                         |
| 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               | 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.                                  |
| <b>QuickSilver Transoms</b> |                                       |                                                         |
| 6-61000004P                 | Alpha One Gen II                      | Transom 1994 & Up                                       |
| 6-62000025P                 | Bravo Magnum Transom                  | 4.3L, 5.0L, 350, 357, 377, 383, 409, 5.7L, 6.2L non-DTS |
| <b>Diesel Transoms</b>      |                                       |                                                         |
| 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 827691A 1

## OUTBOARD POWERHEADS

|  <span>Quicksilver<br/>Remanufacturing<br/>Powerheads</span> |                         |                   |                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------|-------------------------------------------------------------|
| Part Number                                                                                                                                   | Description             | Serial # Range    | Notes                                                       |
| <b>REMANUFACTURED MERCURY / MARINER 3.0 LITRE V-6</b>                                                                                         |                         |                   |                                                             |
| 61-841017R51                                                                                                                                  | PH 250XS - RM           | 0T651945 & Up     | 3.0L                                                        |
| <b>FULLY DRESSED REMANUFACTURED MERCURY 3.0 LITRE V-6</b>                                                                                     |                         |                   |                                                             |
| 61-8M0128367                                                                                                                                  | 225 PRO XS              | 1B973744 & Up     | Compatible with exhaust tube 8M0075819                      |
| 61-8M0125790                                                                                                                                  | 250 PRO XS              | 1B973744 & Up     | Compatible with exhaust tube 8M0075819                      |
| <b>MERCURY L4NA REMANUFACTURED LONGBLOCKS</b>                                                                                                 |                         |                   |                                                             |
| 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                                 |
| <b>FULLY DRESSED REMANUFACTURED 4-STROKE</b>                                                                                                  |                         |                   |                                                             |
| 61-8M0227269                                                                                                                                  | 150 EFI 4-Stroke        | 1B905505 & Up     | Inline 4 with Balance Shaft                                 |
| 61-8M0162891                                                                                                                                  | 200-300 VERADO          | 2B144123-2B578935 | L6SC - Gen 5                                                |
| 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                                                                                        |                                    |              |                                                            |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------|------------------------------------------------------------|
|  <b>MERCURY</b><br><b>GO BOLDLY.™</b> |                                    |              |                                                            |
| Part Number                                                                                                            | Description                        | Pinion Teeth | Notes                                                      |
| <b>Mercury 40-60 HP 2-Stroke Outboard Gearcases - NEW</b>                                                              |                                    |              |                                                            |
| 1667-9011G92                                                                                                           | 40-60 Bigfoot - 2.33:1 - 20" - L   | 12           | Mercury Bigfoot 3- Cylinder, 2-Stroke '95-'06              |
| <b>Mercury 70-225 HP Classic 2-Stroke Outboard Gearcases - NEW</b>                                                     |                                    |              |                                                            |
| 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   |
| <b>Mercury 75-250 EFI &amp; OptiMax 2-Stroke Outboard Gearcases - NEW</b>                                              |                                    |              |                                                            |
| 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   |
| <b>Mercury OptiMax 2-Stroke Outboard Gearcases - NEW</b>                                                               |                                    |              |                                                            |
| 1623-859399T13                                                                                                         | 200-250 - RH - 1.75:1 - 20" - L    | 12           | Mercury or Mariner 200, 225, 250 DFI, 1995 & Up, 13-spline |
| 1623-859399T14                                                                                                         | 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 |
| 1623-859399T16                                                                                                         | 200-250 - LH - 1.75:1 - 25" - CXL  | 12           | Mercury or Mariner 200, 225, 250 DFI, 1997 & Up, 13-spline |
| 1623-859399T17                                                                                                         | 200-250 - LH - 1.75:1 - 30" - CXXL | 12           | Mercury or Mariner 200, 225, 250 DFI, 1997 & Up, 13-spline |
| 1600-880686A43                                                                                                         | 3.0L - RH - 1.75:1 - 20" - L       | 12           | Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS               |
| 1600-880686A44                                                                                                         | 3.0L - RH - 1.75:1 - 25" - XL      | 12           | Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS               |
| 1600-880686A51                                                                                                         | 3.0L - RH - 1.75:1 - 30" - XXL     | 12           | Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS               |
| 1600-880686A52                                                                                                         | 3.0L - LH - 1.75:1 - 25" - CXL     | 12           | Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS               |
| 1600-880686A53                                                                                                         | 3.0L - LH - 1.75:1 - 30" - CXXL    | 12           | Mercury 3.0L 2-stroke - OPTIMAX DFI & PRO XS               |
| <b>Mercury 225-250 HP 3.0L Pro XS 2-Stroke Outboard Torquemaster Gearcases - NEW</b>                                   |                                    |              |                                                            |
| 1689-8M0072952                                                                                                         | 3.0L - RH - 1.75:1 - 20" - L - TM  | 12           | Mercury 3.0L PRO XS - TORQ MASTER - SILVER - 1B935222 & Up |
| 1689-8M0072953                                                                                                         | 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                                                                                 |                                   |              |                                                                  |
|-----------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------|------------------------------------------------------------------|
|  <b>MERCURY</b><br>GO BOLDLY.™ |                                   |              |                                                                  |
| Part Number                                                                                                     | Description                       | Pinion Teeth | Notes                                                            |
| <b>Mercury 40-60 HP 4-Stroke Outboard Bigfoot Gearcases - NEW</b>                                               |                                   |              |                                                                  |
| 1667-9011G90                                                                                                    | 40-60 BF - 2.33:1 - 20" - L       | 12           | 1C033810 & Below - Bigfoot                                       |
| <b>Mercury 75, 90, &amp; 115 HP 4-Stroke Outboard Gearcases - NEW</b>                                           |                                   |              |                                                                  |
| 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                                           |
| <b>Mercury 75, 90, &amp; 115 HP 4-Stroke Outboard Command Thrust &amp; Bigfoot Gearcases - NEW</b>              |                                   |              |                                                                  |
| 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                                 |
| <b>Mercury 150 4-Stroke Outboard Gearcases - NEW</b>                                                            |                                   |              |                                                                  |
| 1600-8M0099218                                                                                                  | 150 - RH - 1.92:1 - 20" - L       | 13           | 2B138377 & Up                                                    |
| 1600-8M0099221                                                                                                  | 150 - RH - 1.92:1 - 25" - XL      | 13           | 2B138363 & Up                                                    |
| <b>Verado 135-200 L-4 Outboard Gearcases - NEW</b>                                                              |                                   |              |                                                                  |
| 1600-880686T23                                                                                                  | RH - 2.08:1 - 20" - L             | 12           | Mercury L4 VERADO 135, 150, 175, 200                             |
| 1600-880686T24                                                                                                  | RH - 2.08:1 - 25" - XL            | 12           | Mercury L4 VERADO 135, 150, 175, 200                             |
| 1600-880686T25                                                                                                  | LH - 2.08:1 - 25" - CXL           | 12           | Mercury L4 VERADO 135, 150, 175, 200                             |
| <b>Verado 200-275 L-6 Outboard 4.80" Gearcases - NEW</b>                                                        |                                   |              |                                                                  |
| 1600-880686T13                                                                                                  | RH - 1.85:1 - 20" - L             | 13           | 0T980000 & Up                                                    |
| 1600-880686T14                                                                                                  | RH - 1.85:1 - 25" - XL            | 13           | 0T980000 & Up                                                    |
| 1600-880686T15                                                                                                  | LH - 1.85:1 - 25" - CXL           | 13           | 0T980000 & Up                                                    |
| 1600-880686T16                                                                                                  | RH - 1.85:1 - 30" - XXL           | 13           | 0T980000 & Up                                                    |
| 1600-880686T17                                                                                                  | LH - 1.85:1 - 30" - CXXL          | 13           | 0T980000 & Up                                                    |
| <b>Verado 300 L-6 Outboard 4.80" Gearcases - NEW</b>                                                            |                                   |              |                                                                  |
| 1600-880686T54                                                                                                  | RH - 1.75:1 - 20" - L             | 12           | 1B517434 & Up                                                    |
| 1600-880686T55                                                                                                  | RH - 1.75:1 - 20" - CL            | 12           | 1B517434 & Up                                                    |
| 1600-880686T56                                                                                                  | RH - 1.75:1 - 25" - XL            | 12           | 1B517434 & Up                                                    |
| 1600-880686T57                                                                                                  | LH - 1.75:1 - 25" - CXL           | 12           | 1B517434 & Up                                                    |
| 1600-880686T58                                                                                                  | RH - 1.75:1 - 30" - XXL           | 12           | 1B517434 & Up                                                    |
| 1600-880686T59                                                                                                  | LH - 1.75:1 - 30" - CXXL          | 12           | 1B517434 & Up                                                    |

## QUICKSILVER CYLINDER HEADS



CYLINDER HEADS

Most New Quicksilver Iron Cylinder Head Feature Exclusive Black-X Composite Technology!!!

| Part Number                                                                                                                                           | Description                        | Notes                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------|
| <b>Quicksilver Remanufactured Cylinder Head Assemblies - New Valves, Springs, Seals, Retainers &amp; Keepers Included</b>                             |                                    |                                                              |
| 938-883490R 1                                                                                                                                         | RM CYL HEAD - 5.7L (1987-1996)     | non-GEN+ Engines - 12 bolt intake - center bolt valve covers |
| <b>Quicksilver Iron Cylinder Head Assemblies - 100% New: Black-X Valves, Hardened Seats, Screw in Studs, Springs, Seals, Retainers, &amp; Keepers</b> |                                    |                                                              |
| 938-8M0188299                                                                                                                                         | CYL HEAD - 2.5/3.0L (1963-1989)    | Marine, Industrial, & Automotive / Requires gasket 27-96429  |
| 938-8M0188300                                                                                                                                         | CYL HEAD - 3.0L (1990-2016)        | Marine & Industrial                                          |
| 938-8M0188301                                                                                                                                         | CYL HEAD - 4.3L (2000-2015)        | Marine, Industrial, & Truck LU3 using Roller Rocker Arms     |
| 938-8M0188302                                                                                                                                         | CYL HEAD - 5.7L (1996-2016)        | Marine, Industrial, Truck L31, & RV                          |
| 900-8M0188297                                                                                                                                         | CYL HEAD - 8.1L 2000+ RH/STBD Side | Marine, Industrial, Truck L18, & RV                          |
| 900-8M0188298                                                                                                                                         | CYL HEAD - 8.1L 2000+ LH/PORT Side | Marine, Industrial, Truck L18, & RV                          |



EXCLUSIVE  
Black-X  
Composite  
Valves

42% reduction of valve wear

Longer engine life for  
heavy duty applications

Marine / RV & Truck / Industrial / Racing

A composite construction of quality stainless steel using proprietary cobalt/chromium seats sealed in a nitrogen hardened black case

The new standard for wear resistance

Corrosion resistance for marine use and with high percent alcohol fuels

Exclusive Black-X valves are standard equipment on all 100% new Quicksilver cylinder heads, longblocks and Plus Series engines.

With similar alloys used to build hypersonic space planes, Black-X valves can double the life of a marine engine.

## DIESEL NON-DTS RIGGING ACCESSORIES

|  <b>Powered by<br/>MERCURY</b> |                                              | <b>DIESEL - NON DTS RIGGING ACCESSORIES</b>                              |                                                 |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------|
|                                                                                                                 |                                              | <div>CALL YOUR EPC SPECIALIST FOR<br/>AVAILABILITY OF DIESEL PARTS</div> |                                                 |
| Part Number                                                                                                     | Description                                  | Limited P&A<br>Warranty                                                  | Notes                                           |
| <b>NON-DTS 4.2L ENGINE ASSEMBLY KITS (VAA)</b>                                                                  |                                              |                                                                          |                                                 |
| 98-8M0078874                                                                                                    | 4.2L - 370 HP V8 Sterndrive Engine Assy. Kit | 1 YEAR                                                                   | One required per engine                         |
| 98-8M0078876                                                                                                    | 4.2L - 335 HP V8 Sterndrive Engine Assy. Kit | 1 YEAR                                                                   | One required per engine                         |
| 98-8M0087264                                                                                                    | 4.2L - 370 HP V8 Inboard Engine Assy. Kit    | 1 YEAR                                                                   | One required per engine                         |
| 98-8M0087265                                                                                                    | 4.2L - 335 HP V8 Inboard Engine Assy. Kit    | 1 YEAR                                                                   | One required per engine                         |
| <b>NON-DTS 3.0L ENGINE ASSEMBLY KITS (VAA)</b>                                                                  |                                              |                                                                          |                                                 |
| 98-8M0078878                                                                                                    | 3.0L - 260 HP V6 Sterndrive Engine Assy. Kit | 1 YEAR                                                                   | One required per engine                         |
| 98-8M0078880                                                                                                    | 3.0L - 230 HP V6 Sterndrive Engine Assy. Kit | 1 YEAR                                                                   | One required per engine                         |
| 98-8M0078886                                                                                                    | 3.0L - 260 HP V6 Inboard Engine Assy. Kit    | 1 YEAR                                                                   | One required per engine                         |
| 98-8M0078888                                                                                                    | 3.0L - 230 HP V6 Inboard Engine Assy. Kit    | 1 YEAR                                                                   | One required per engine                         |
| <b>NON-DTS 2.0L VESSEL INSTALLATION PANEL (VIP)</b>                                                             |                                              |                                                                          |                                                 |
| 8M0089496                                                                                                       | 2.0L Alpha Sterndrive VIP                    | 1 YEAR                                                                   | One required per Alpha engine                   |
| 8M0091581                                                                                                       | 2.0L Bravo Sterndrive VIP                    | 1 YEAR                                                                   | One required per Bravo engine                   |
| 8M0089495                                                                                                       | 2.0L Inboard VIP                             | 1 YEAR                                                                   | One required per Inboard engine                 |
| <b>3.0L &amp; 4.2L DRIVE APPLICATION EXTENSION HARNESS</b>                                                      |                                              |                                                                          |                                                 |
| 84-8M0080193                                                                                                    | 15' Harness                                  | 1 YEAR                                                                   | Inboard Applications Only - One per engine      |
| 84-8M0080194                                                                                                    | 20' Harness                                  | 1 YEAR                                                                   | Inboard Applications Only - One per engine      |
| <b>2.0L INBOARD HARNESS OR BRAVO SHIFT PLATE</b>                                                                |                                              |                                                                          |                                                 |
| 84-879312T14                                                                                                    | Harness                                      | 1 YEAR                                                                   | 2.0L Inboard Applications Only - One per engine |
| 99237A27                                                                                                        | Bravo Mechanical Shift Plate                 | 1 YEAR                                                                   | 2.0L Bravo Applications Only - One per engine   |
| <b>3.0L &amp; 4.2L ENGINE TO VAA EXTENSION HARNESS</b>                                                          |                                              |                                                                          |                                                 |
| 84-8M0066846                                                                                                    | 2 Meter Harness                              | 1 YEAR                                                                   | One required per 3.0L or 4.2L engine            |
| 8M0066847                                                                                                       | 3 Meter Harness                              | 1 YEAR                                                                   | One required per 3.0L or 4.2L engine            |
| <b>2.0L STERNDRIVE ENGINE TO VIP EXTENSION HARNESS</b>                                                          |                                              |                                                                          |                                                 |
| 84-879312T01                                                                                                    | 10' Harness                                  | 1 YEAR                                                                   | One required per 2.0L Sterndrive engine         |
| 84-879312T03                                                                                                    | 20' Harness                                  | 1 YEAR                                                                   | One required per 2.0L Sterndrive engine         |
| <b>2.0L INBOARD ENGINE TO VIP EXTENSION HARNESS</b>                                                             |                                              |                                                                          |                                                 |
| 84-879312T41                                                                                                    | 10' Harness                                  | 1 YEAR                                                                   | One required per 2.0L Inboard engine            |
| 84-879312T43                                                                                                    | 20' Harness                                  | 1 YEAR                                                                   | One required per 2.0L Inboard engine            |
| <b>2.0L VESSEL SENSOR HARNESS</b>                                                                               |                                              |                                                                          |                                                 |
| 84-8M0118368                                                                                                    | 10' Harness                                  | 1 YEAR                                                                   | One required per 2.0L Sterndrive engine         |
| 84-899887T08                                                                                                    | 20' Harness                                  | 1 YEAR                                                                   | One required per 2.0L Inboard engine            |
| <b>ENGINE UNSWITCHED POWER HARNESS - ALL ENGINES</b>                                                            |                                              |                                                                          |                                                 |
| 84-899887T13                                                                                                    | 10' Harness                                  | 1 YEAR                                                                   | One required per engine                         |
| 84-899887T14                                                                                                    | 20' Harness                                  | 1 YEAR                                                                   | One required per engine                         |
| <b>MAIN STATION EXTENSION HARNESS - ALL ENGINES</b>                                                             |                                              |                                                                          |                                                 |
| 84-8M0131372                                                                                                    | 20' Harness                                  | 1 YEAR                                                                   | One required per engine                         |
| 84-8M0131376                                                                                                    | 40' Harness                                  | 1 YEAR                                                                   | One required per engine                         |
| 84-8M0131380                                                                                                    | 60' Harness                                  | 1 YEAR                                                                   | One required per engine                         |

# APPLICATION INFORMATION CHARTS

| MAIN STATION HELM HARNESS & RIGGING - ALL ENGINES |                                       |        |                                                         |
|---------------------------------------------------|---------------------------------------|--------|---------------------------------------------------------|
| 84-8M0084296                                      | Non-DTS Helm Harness                  | 1 YEAR | One required per engine                                 |
| 84-879969T6                                       | 6' SC5000 Harness                     | 1 YEAR | One per helm                                            |
| 8M0046339                                         | SmartCraft Diagnostic Port            | 1 YEAR | One per helm                                            |
| 8M0117131                                         | Single Engine Start/Stop Switch       | 1 YEAR | Single Engine Application                               |
| 8M0117132                                         | Dual Engine Start/Stop Switch         | 1 YEAR | Dual Engine Application                                 |
| 878492K14                                         | Junction Box - 4 Way                  | 1 YEAR | One required per engine                                 |
| 84-893452A01                                      | Can Link Harness 2-Pin                | 1 YEAR | Dual Engine Application - Requires One                  |
| 87-893353A03                                      | 4 Position Key Switch w/Bezel         | 1 YEAR | Single Engine Application                               |
| 87-893353A04                                      | 4 Position Key Switch w/Bezel         | 1 YEAR | Dual Engine Application                                 |
| 84-879312T20                                      | Halon Breakout Harness                | 1 YEAR | One required per engine                                 |
| TRIM PUMP HARNESS                                 |                                       |        |                                                         |
| 84-8M0138676                                      | 10' Harness                           | 1 YEAR | Two Required per Sterndrive Engine                      |
| SEAWATER SUPPLY HARDWARE                          |                                       |        |                                                         |
| 88845A 1                                          | Transom Water PickUp Kit              | 1 YEAR | Diesels Require External Water Supply                   |
| 22-818170A 2                                      | Thru Hull Seawater PickUp w/SeaCock   | 1 YEAR | Diesels Require External Water Supply                   |
| 35-860603                                         | Seawater Strainer                     | 1 YEAR | Sterndrive Engines Ship with Strainers, Inboards Do Not |
| 22-816339                                         | 1 1/2" Fittings for Seawater Strainer | 1 YEAR | Qty 2 for Seawater Strainer Listed Above                |
| ALIGNMENT TOOLS                                   |                                       |        |                                                         |
| 91-8M2012124                                      | Alignment Tool Kit                    | 1 YEAR | QSD 2.0L, 2.8L, & 4.2L Tier 2 Diesel Sterndrive         |
| 91-805475A 1                                      | Alignment Tool Kit                    | 1 YEAR | 2.0L & 3.0L Tier 3 Diesel & Gas Sterndrive              |
| 91-8M0070098                                      | Alignment Tool Kit                    | 1 YEAR | 4.2L V8 Tier 3 Diesel Sterndrive                        |
| V8 INBOARD 6" RISER KIT                           |                                       |        |                                                         |
| 8M0098892                                         | 4.2L Inboard Riser Kit - 6"           | 1 YEAR | 4.2L V8 Inboard Only                                    |

## DIESEL DTS RIGGING ACCESSORIES



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**MERCURY**

## DIESEL - DTS RIGGING ACCESSORIES

CALL YOUR EPC SPECIALIST FOR  
AVAILABILITY OF DIESEL PARTS

| Part Number                                                | Description                                  | Limited P&A Warranty | Notes                                                     |
|------------------------------------------------------------|----------------------------------------------|----------------------|-----------------------------------------------------------|
| <b>DTS 4.2L ENGINE ASSEMBLY KITS (VAA)</b>                 |                                              |                      |                                                           |
| 98-8M0078873                                               | 4.2L - 370 HP V8 Sterndrive Engine Assy. Kit | 1 YEAR               | One required per engine                                   |
| 98-8M0078875                                               | 4.2L - 335 HP V8 Sterndrive Engine Assy. Kit | 1 YEAR               | One required per engine                                   |
| 98-8M0078883                                               | 4.2L - 370 HP V8 Inboard Engine Assy. Kit    | 1 YEAR               | One required per engine                                   |
| 98-8M0078884                                               | 4.2L - 335 HP V8 Inboard Engine Assy. Kit    | 1 YEAR               | One required per engine                                   |
| <b>DTS 3.0L ENGINE ASSEMBLY KITS (VAA)</b>                 |                                              |                      |                                                           |
| 98-8M0078877                                               | 3.0L - 260 HP V6 Sterndrive Engine Assy. Kit | 1 YEAR               | One required per engine                                   |
| 98-8M0078879                                               | 3.0L - 230 HP V6 Sterndrive Engine Assy. Kit | 1 YEAR               | One required per engine                                   |
| 98-8M0078885                                               | 3.0L - 260 HP V6 Inboard Engine Assy. Kit    | 1 YEAR               | One required per engine                                   |
| 98-8M0078889                                               | 3.0L - 230 HP V6 Inboard Engine Assy. Kit    | 1 YEAR               | One required per engine                                   |
| <b>DTS 2.0L VESSEL INSTALLATION PANEL (VIP)</b>            |                                              |                      |                                                           |
| 8M0089494                                                  | 2.0L Sterndrive VIP                          | 1 YEAR               | One required per Bravo engine                             |
| 8M0089492                                                  | 2.0L Inboard VIP                             | 1 YEAR               | One required per Inboard engine                           |
| <b>3.0L &amp; 4.2L DRIVE APPLICATION EXTENSION HARNESS</b> |                                              |                      |                                                           |
| 84-8M0080193                                               | 15' Harness                                  | 1 YEAR               | Inboard Applications Only - One per engine                |
| 84-8M0080194                                               | 20' Harness                                  | 1 YEAR               | Inboard Applications Only - One per engine                |
| <b>2.0L STERNDRIVE DTS SHIFT ACTUATOR &amp; HARNESS</b>    |                                              |                      |                                                           |
| 8M0111459                                                  | DTS Shift Actuator Assembly                  | 1 YEAR               | One required per 2.0L Sterndrive engine                   |
| 84-879312T12                                               | Shift Extension Harness                      | 1 YEAR               | One required per 2.0L Sterndrive engine                   |
| <b>2.0L INBOARD TRANSMISSION HARNESSES</b>                 |                                              |                      |                                                           |
| 84-899887T02                                               | Inboard Application Harness                  | 1 YEAR               | One required per 2.0L Inboard engine                      |
| 84-879312T23                                               | Harness                                      | 1 YEAR               | One required per 2.0L Inboard with ZF Transmission        |
| 84-879312T10                                               | Harness                                      | 1 YEAR               | One required per 2.0L Inboard with Twin Disc Transmission |
| <b>3.0L &amp; 4.2L ENGINE TO VAA EXTENSION HARNESS</b>     |                                              |                      |                                                           |
| 84-8M0066846                                               | 2 Meter Harness                              | 1 YEAR               | One required per 3.0L or 4.2L engine                      |
| 8M0066847                                                  | 3 Meter Harness                              | 1 YEAR               | One required per 3.0L or 4.2L engine                      |
| <b>2.0L STERNDRIVE ENGINE TO VIP EXTENSION HARNESS</b>     |                                              |                      |                                                           |
| 84-879312T01                                               | 10' Harness                                  | 1 YEAR               | One required per 2.0L Sterndrive engine                   |
| 84-879312T03                                               | 20' Harness                                  | 1 YEAR               | One required per 2.0L Sterndrive engine                   |
| <b>2.0L INBOARD ENGINE TO VIP EXTENSION HARNESS</b>        |                                              |                      |                                                           |
| 84-879312T41                                               | 10' Harness                                  | 1 YEAR               | One required per 2.0L Inboard engine                      |
| 84-879312T43                                               | 20' Harness                                  | 1 YEAR               | One required per 2.0L Inboard engine                      |
| <b>2.0L VESSEL SENSOR HARNESS</b>                          |                                              |                      |                                                           |
| 84-899887T07                                               | 10' Harness                                  | 1 YEAR               | One required per 2.0L Sterndrive engine                   |
| 84-899887T08                                               | 20' Harness                                  | 1 YEAR               | One required per 2.0L Inboard engine                      |
| <b>ENGINE UNSWITCHED POWER HARNESS - ALL ENGINES</b>       |                                              |                      |                                                           |
| 84-899887T13                                               | 10' Harness                                  | 1 YEAR               | One required per engine                                   |
| 84-899887T14                                               | 20' Harness                                  | 1 YEAR               | One required per engine                                   |
| <b>MAIN STATION EXTENSION HARNESS - ALL ENGINES</b>        |                                              |                      |                                                           |
| 84-8M0131372                                               | 20' Harness                                  | 1 YEAR               | One required per engine                                   |
| 84-8M0131376                                               | 40' Harness                                  | 1 YEAR               | One required per engine                                   |
| 84-8M0131380                                               | 60' Harness                                  | 1 YEAR               | One required per engine                                   |

# APPLICATION INFORMATION CHARTS

| MAIN STATION HELM HARNESS & RIGGING - ALL ENGINES |                                       |        |                                                         |
|---------------------------------------------------|---------------------------------------|--------|---------------------------------------------------------|
| 899859K02                                         | Single Engine - Slim Binnacle Kit     | 1 YEAR | One per helm                                            |
| 899859K03                                         | Single Engine - Panel Mount Kit       | 1 YEAR | One per helm                                            |
| 899859K01                                         | Dual Engine - Dual Console Kit        | 1 YEAR | One per helm                                            |
| 84-893330K01                                      | Dual Helm Adaptor Harness             | 1 YEAR | One per Engine for Dual Helms                           |
| 87-8M0117137                                      | Dual Helm/Dual Engines Start Stop Kit | 1 YEAR | 1 for Dual Helms with Dual Engine Application           |
| 87-893353A03                                      | 4 Position Key Switch w/Bezel         | 1 YEAR | Single Engine Application                               |
| 87-893353A04                                      | 4 Position Key Switch w/Bezel         | 1 YEAR | Dual Engine Application                                 |
| 84-879312T20                                      | Halon Breakout Harness                | 1 YEAR | One required per engine                                 |
| TRIM PUMP HARNESS                                 |                                       |        |                                                         |
| 84-8M0138676                                      | 10' Harness                           | 1 YEAR | Two Required per Sterndrive Engine                      |
| SEAWATER SUPPLY HARDWARE                          |                                       |        |                                                         |
| 88845A 1                                          | Transom Water Pickup Kit              | 1 YEAR | Diesels Require External Water Supply                   |
| 22-818170A 2                                      | Thru Hull Seawater Pickup w/SeaCock   | 1 YEAR | Diesels Require External Water Supply                   |
| 35-860603                                         | Seawater Strainer                     | 1 YEAR | Sterndrive Engines Ship with Strainers, Inboards Do Not |
| 22-816339                                         | 1 1/2" Fittings for Seawater Strainer | 1 YEAR | Qty 2 for Seawater Strainer Listed Above                |
| ALIGNMENT TOOLS                                   |                                       |        |                                                         |
| 91-8M0084205                                      | Alignment Tool Kit                    | 1 YEAR | OSD 2.0L, 2.8L, & 4.2L Tier 2 Diesel Sterndrive         |
| 91-805475A 1                                      | Alignment Tool Kit                    | 1 YEAR | 2.0L & 3.0L Tier 3 Diesel & Gas Sterndrive              |
| 91-8M0125730                                      | Alignment Tool Kit                    | 1 YEAR | 4.2L V8 Tier 3 Diesel Sterndrive                        |
| V8 INBOARD 6" RISER KIT                           |                                       |        |                                                         |
| 8M0098892                                         | 4.2L Inboard Riser Kit - 6"           | 1 YEAR | 4.2L V8 Inboard Only                                    |

## DIESEL TIER 3 SERVICE PARTS

|  <b>Powered by<br/>MERCURY</b> |                                        |                         |                     |
|-----------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------|---------------------|
| TIER 3 DIESEL SERVICE PARTS                                                                                     |                                        |                         |                     |
| CALL YOUR EPC SPECIALIST FOR<br>AVAILABILITY OF DIESEL PARTS                                                    |                                        |                         |                     |
| Part Number                                                                                                     | Description                            | Limited P&A<br>Warranty | Notes               |
| <b>4.2L V8 TIER 3 - PARTS</b>                                                                                   |                                        |                         |                     |
| 57-8M0093513                                                                                                    | Accessory Drive Belt                   | 1 YEAR                  | 1 per engine        |
| 35-8M6002390                                                                                                    | Fuel Filter                            | 1 YEAR                  | 1 per engine        |
| 35-8M0041399                                                                                                    | Oil Filter Housing + Filter            | 1 YEAR                  | 1 per engine        |
| 35-8M0066483                                                                                                    | Oil Filter                             | 1 YEAR                  | 1 per engine        |
| 25-8M0066519                                                                                                    | O-Ring Kit for Oil Filter listed above | 1 YEAR                  | 1 per engine        |
| 35-8M6002552                                                                                                    | Air Filter                             | 1 YEAR                  | 1 per engine        |
| 47-816814T                                                                                                      | Seawater Pump Impeller                 | 1 YEAR                  | 1 per engine        |
| 25-8M0067015                                                                                                    | O-Ring - for Seawater Pump             | 1 YEAR                  | 1 per seawater pump |
| 8M0067625                                                                                                       | Zinc Plug - Heat Exchanger             | 1 YEAR                  | 1 per engine        |
| 36-8M0068012                                                                                                    | Cap - Pressure                         | 1 YEAR                  | 1 per engine        |
| 46-8M6002556                                                                                                    | Seawater Pump Assembly                 | 1 YEAR                  | 1 per engine        |
| 8M0090133                                                                                                       | Alternator                             | 1 YEAR                  | 1 per engine        |
| 50-8M0066522                                                                                                    | Starter                                | 1 YEAR                  | 1 per engine        |
| 46-8M0100302                                                                                                    | Water Pump                             | 1 YEAR                  | 1 per engine        |
| 8M0086400                                                                                                       | Thermostat                             | 1 YEAR                  | 1 per engine        |
| 8M0083015                                                                                                       | Fuel Injector                          | 1 YEAR                  | 8 per engine        |
| 12-8M0068570                                                                                                    | Sealing Washer                         | 1 YEAR                  | 1 per injector      |
| 12-8M0038345                                                                                                    | Fuel Pressure Regulator                | 1 YEAR                  | 1 per engine        |
| 8M0038378                                                                                                       | Fuel Pressure Sensor                   | 1 YEAR                  | 1 per engine        |
| 8M0083014                                                                                                       | Fuel Injector Pump                     | 1 YEAR                  | 1 per engine        |
| 8M0066367                                                                                                       | Fuel Temperature Sensor                | 1 YEAR                  | 1 per engine        |
| 8M0075685                                                                                                       | Fuel Pump Kit - Lift Pump              | 1 YEAR                  | 1 per engine        |
| 57-8M0055517                                                                                                    | Timing Belt                            | 1 YEAR                  | 1 per engine        |
| 27-8M0068131                                                                                                    | Sealing Washer - Turbo Oil Line        | 1 YEAR                  | 3 per engine        |
| 12-8M0068127                                                                                                    | Sealing Washer - Turbo Oil Line        | 1 YEAR                  | 1 per engine        |
| 12-8M0124968                                                                                                    | Sealing Washer - Turbo Oil Line        | 1 YEAR                  | 4 per engine        |
| 8M0066790                                                                                                       | Turbocharger - Port                    | 1 YEAR                  | 1 per engine        |
| 8M0066791                                                                                                       | Turbocharger - Starboard               | 1 YEAR                  | 1 per engine        |
| 27-8M0093462                                                                                                    | Gasket Turbocharger                    | 1 YEAR                  | 2 per engine        |
| <b>3.0L V6 TIER 3 - PARTS</b>                                                                                   |                                        |                         |                     |
| 57-8M0093495                                                                                                    | Accessory Drive Belt                   | 1 YEAR                  | 1 per engine        |
| 35-8M0067337                                                                                                    | Fuel Filter                            | 1 YEAR                  | 1 per engine        |
| 35-8M0066483                                                                                                    | Oil Filter                             | 1 YEAR                  | 1 per engine        |
| 35-8M6002131                                                                                                    | Air Filter                             | 1 YEAR                  | 1 per engine        |
| 47-816814T                                                                                                      | Seawater Pump Impeller                 | 1 YEAR                  | 1 per engine        |
| 25-8M0067015                                                                                                    | O-Ring - for Seawater Pump             | 1 YEAR                  | 1 per seawater pump |
| 97-8M0067625                                                                                                    | Zinc Plug - Heat Exchanger             | 1 YEAR                  | 1 per engine        |
| 36-8M0068012                                                                                                    | Cap - Pressure                         | 1 YEAR                  | 1 per engine        |
| 46-8M6002556                                                                                                    | Seawater Pump Assembly                 | 1 YEAR                  | 1 per engine        |
| 8M0120303                                                                                                       | Alternator                             | 1 YEAR                  | 1 per engine        |
| 50-8M0066732                                                                                                    | Starter                                | 1 YEAR                  | 1 per engine        |
| 46-8M0067249                                                                                                    | Circulating Water Pump                 | 1 YEAR                  | 1 per engine        |
| 8M0093480                                                                                                       | Thermostat                             | 1 YEAR                  | 1 per engine        |
| 8M0066670                                                                                                       | Fuel Injector                          | 1 YEAR                  | 6 per engine        |
| 25-8M0123035                                                                                                    | Sealing Washer-Top                     | 1 YEAR                  | 1 per injector      |
| 12-8M0066678                                                                                                    | Sealing Washer-Bottom                  | 1 YEAR                  | 1 per injector      |
| 8M0066509                                                                                                       | Fuel Pressure Regulator                | 1 YEAR                  | 1 per engine        |
| 8M0066680                                                                                                       | Fuel Pressure Sensor                   | 1 YEAR                  | 1 per engine        |
| 8M0066679                                                                                                       | Fuel Injector Pump                     | 1 YEAR                  | 1 per engine        |
| 8M0066367                                                                                                       | Fuel Temperature Sensor                | 1 YEAR                  | 1 per engine        |
| 57-8M0066599                                                                                                    | Timing Belt                            | 1 YEAR                  | 1 per engine        |
| 27-8M0066277                                                                                                    | Sealing Rectangular - Turbo Oil Line   | 1 YEAR                  | 1 per engine        |
| 12-8M0068127                                                                                                    | Sealing Washer - Turbo Oil Line        | 1 YEAR                  | 2 per engine        |
| 26-8M0124968                                                                                                    | Sealing Washer - Turbo Oil Line        | 1 YEAR                  | 2 per engine        |
| 8M0092620                                                                                                       | Turbocharger                           | 1 YEAR                  | 1 per engine        |

| 2.0L I4 TIER 3 - PARTS |                                 |        |                     |
|------------------------|---------------------------------|--------|---------------------|
| 57-879172120           | Accessory Drive Belt            | 1 YEAR | 1 per engine        |
| 35-879172104           | Fuel Filter                     | 1 YEAR | 1 per engine        |
| 35-879312041           | Oil Filter                      | 1 YEAR | 1 per engine        |
| 35-879172143           | Air Filter                      | 1 YEAR | 1 per engine        |
| 879150027              | Water Strainer                  | 1 YEAR | 1 per engine        |
| 47-879312025           | Seawater Pump Impeller          | 1 YEAR | 1 per engine        |
| 25-879312026           | O-Ring - for Seawater Pump      | 1 YEAR | 1 per seawater pump |
| 97-879194217           | Anode Assy - Heat Exchanger     | 1 YEAR | 1 per engine        |
| 19-8M0091948           | Cap - Pressure                  | 1 YEAR | 1 per engine        |
| 879312023              | Seawater Pump Assembly          | 1 YEAR | 1 per engine        |
| 898101505              | Alternator                      | 1 YEAR | 1 per engine        |
| 50-8M0091950           | Starter                         | 1 YEAR | 1 per engine        |
| 879172037              | Circulating Water Pump          | 1 YEAR | 1 per engine        |
| 27-879172102           | Gasket - Circulating Water Pump | 1 YEAR | 1 per engine        |
| 879150054              | Thermostat                      | 1 YEAR | 1 per engine        |
| 898101664              | Fuel Injector                   | 1 YEAR | 4 per engine        |
| 879172103              | Fuel Pressure Regulator         | 1 YEAR | 1 per engine        |
| 879172105              | Fuel Pressure Sensor            | 1 YEAR | 1 per engine        |
| 898101499              | Fuel Injector Pump              | 1 YEAR | 1 per engine        |
| 57-898101793           | Timing Belt                     | 1 YEAR | 1 per engine        |
| 12-881791              | Washer - Turbo Oil Line         | 1 YEAR | 2 per engine        |
| 8M0103537              | Turbocharger (150-170 HP)       | 1 YEAR | 1 per engine        |
| 898101739              | Turbocharger (115-130 HP)       | 1 YEAR | 1 per engine        |

## ZEUS GEARCASE DIESEL SERVICE PARTS

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## ZEUS GC DIESEL SERVICE PARTS

| Part Number                                                         | Description                                 | Repair Quantity | Notes                                                    |
|---------------------------------------------------------------------|---------------------------------------------|-----------------|----------------------------------------------------------|
| <b>ZEUS GEARCASES - HARDWARE REQUIRED - SEE BELOW</b>               |                                             |                 |                                                          |
| 1600-879345T44                                                      | Zeus Gearcase Assy - 1.478 Ratio            | 1               |                                                          |
| 1600-879345T43                                                      | Zeus Gearcase Assy - 1.611 Ratio            | 1               |                                                          |
| <b>ZEUS PROPS</b>                                                   |                                             |                 |                                                          |
| 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               |                                                          |
| <b>ZEUS GEARCASE HARDWARE - REQUIRED FOR CHANGING ZEUS GEARCASE</b> |                                             |                 |                                                          |
| 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               |                                                          |
| <b>ZEUS ANODES</b>                                                  |                                             |                 |                                                          |
| 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                     |
| <b>ZEUS GEARCASE &amp; TRIM SYSTEM PARTS</b>                        |                                             |                 |                                                          |
| 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               |                                                          |
| 92-802844C02                                                        | Gear Lube 8 oz @ 12                         | 2               | Use 5.5 Quarts during 20-hour break in period only       |
| 92-858065C01                                                        | 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                |

**Notes:**

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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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