

## Cleanliness and Care of Outboard Motor

A marine power product is a combination of many machined, honed, polished and lapped surfaces with tolerances that are measured in the ten thousands of an inch. When any product component is serviced, care and cleanliness are important. Throughout this manual, it should be understood that proper cleaning and protection of machined surfaces and friction areas is a part of the repair procedure. This is considered standard shop practice even if not specifically stated.

Whenever components are removed for service, they should be retained in order. At the time of installation, they should be installed in the same locations and with the same mating surfaces as when removed.

Before raising or removing an outboard engine from a boat, the following precautions should be adhered to:

(1) Check that flywheel is secured to end of crankshaft with a locknut and lifting eye is threaded into flywheel a minimum of 5 turns.

(2) Connect a hoist of suitable strength to the lifting eye.

In addition, personnel should not work on or under an outboard which is suspended. Outboards should be attached to work stands, or lowered to ground as soon as possible.

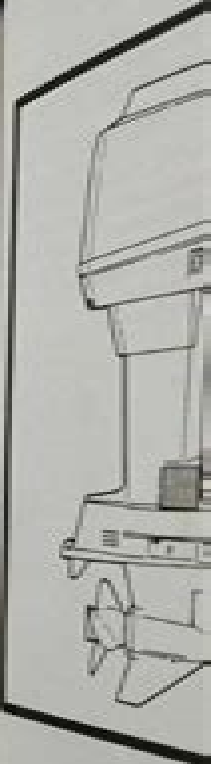
We reserve the right to make changes to this manual without prior notification.

Refer to dealer service bulletins for other pertinent information concerning the products described in this manual.

## Service Manual Outline

- Section 1 - General Information & Specifications**
- Section 2 - Electrical & Ignition**
  - Part A - Ignition System
  - Part B - Battery, Charging System & Starting System
  - Part C - Timing/Synchronizing & Adjusting
  - Part D - Wiring Diagrams
- Section 3 - Fuel Systems**
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  - Part B - Fuel Pump
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  - Part D - Oil Injection
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- Section 5 - Mid-Section**
  - Part A - Clamp/Swivel Brackets and Driveshaft Housing
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  - Part F - Manual Tilt (Design I, II, III)
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  - Part B - Tiller Handle and Co-Pilot
  - Part C - Rewind Starter

GENERAL  
and SPECIAL



# Mercury Mariner 45 50 55 60 Marathon Service Manual

**Victor M. Corman**



## **Mercury Mariner 45 50 55 60 Marathon Service Manual:**

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**Mercury/Mariner Outboard Shop Manual** Penton Staff,2016-07-15 Mercury Mariner 4 HP 1995 2006 Mercury Mariner 5 HP 1995 2006 Mercury Mariner 6 HP 1995 2006 Mercury Mariner 9 9 HP 1995 2006 Mercury Mariner 15 HP 1995 2006 Mercury Mariner 25 HP 1995 2006 Mercury Mariner 30 HP 1995 2006 Mercury Mariner 40 HP 1995 2006 Mercury Mariner 50 HP 1995 2006 Mercury Mariner 75 HP 1995 2006 Mercury Mariner 90 HP 1995 2006 Does not cover 60 HP models TROUBLESHOOTING LUBRICATION MAINTENANCE AND TUNE UP ENGINE TOP END ENGINE LOWER END CLUTCH AND EXTERNAL SHIFT MECHANISM TRANSMISSION AND INTERNAL SHIFT MECHANISM FUEL EMISSION

CONTROL AND EXHAUST SYSTEMS ELECTRICAL SYSTEM COOLING SYSTEM WHEELS TIRES AND DRIVE CHAIN  
FRONT SUSPENSION AND STEERING REAR SUSPENSION BRAKES BODY AND FRAME COLOR WIRING DIAGRAMS

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**Mercury Outboards Service Manual, Models 50, 70** ,1980      **Mercury and Mariner Outboards Service Manual**

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