



# Maintenance Logbook



## **IMPORTANT**

- Maintenance must be completed by a Mercury Marine authorized dealer
- At the completion of any maintenance check-up this book must be dated and signed by an authorized dealer
- Failure to produce record of regular maintenance could invalidate your warranty

# Customer Delivery Inspection

- Complete and process warranty registration – Provide customer with copy
- Operation and Maintenance Manual – Provide and review content with customer. Emphasize importance of “Safety Warnings” and Mercury engine testing procedure
- 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.
  - U.S Coast guard capacity plate/CE capacity plate
  - Proper seating
  - Importance of life vest and throw cushion
  - Outboard features and warning systems of the package
  - 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)
- Warranty- Provide and explain the limited warranty to the customer. Explain dealer services

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

Sales person name: \_\_\_\_\_

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

Dealer stamp

<p>Dealer Number:</p>
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## Customer Delivery Inspection

### Check before running

- Service Bulletin updates or repairs completed
- Lower unit lubricant
- Tilt tube and swivel pin lubrication
- Engine tight on transom, height correct and centered
- Fuel line and fuel tank installation
- Gasoline-oil mixture for break-in
- Co-pilot adjustment
- Steering operation through complete range
- Remote control operation
- Electrical harness installation
- Battery proper rating, fully charged and properly secured
- Battery cable connections tight and protective cover (s) in place
- Instrument connections
- Manual tilt operation
- Manual tilt valve operation
- Power trim oil level
- Power trim and tilt operation
- Check for tight steering link and fasteners
- Fill oil injection reservoir (s)
- Purge air from oil injection system

- Check operation of low oil and overheat warning horns
- Shift cables adjustment
- Select correct propeller, install and torque
- 4-Cycle engine oil level
- Warning gauge installed
- Smartcraft gauge(s) calibrated

### Check while running

- Rewind starter/ neutral interlock operation
- Electrical starter/ neutral safety switch
- Manual choke operation
- Electric choke or enricher operation
- Tell-tale water stream
- Instrument (s) operation
- Check idle RPM \_\_\_\_\_
- Idle RPM \_\_\_\_\_
- Throttle and shift, ease of operation
- Steering operation throughout range
- Reverse operation and reverse lock hooks
- Shallow water drive
- Power trim operation
- Trim tab adjustment
- Tilt angle adjustment
- Maximum RPM/timing \_\_\_\_\_
- Stop switch and lanyard stop switch



## Check after running

- Oil, Gasoline, or water leakage
- Propeller nut torque
- Power trim and oil injection level
- 4-cycle engine oil level (except Verado)

**I certify that above checks and inspections have been completed**

Technician Name: \_\_\_\_\_

Marine Technician Passport Number: \_\_\_\_\_

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

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

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

Propeller size and type: \_\_\_\_\_

Engine key number: \_\_\_\_\_

Customer signature: \_\_\_\_\_

Dealer Stamp

Dealer Number:          
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## Inspection and maintenance schedule

### Before each use

- Check engine oil level – 4 stroke models
- Check that lanyard stop switch stops the engine
- Visually inspect the fuel system for deterioration or leaks.
- Check outboard for tightness on transom
- Check steering system for binding or loose components
- Visually check steering link rod fasteners for proper tightness
- Visually check power steering fittings and hoses for leaks or signs of damage. Check tie bar fasteners (multiple outboard rigs) for proper tightness (Verado)
- Check propeller blades for damages

### After each use

- Flush outboard cooling system if operating in salt water or polluted water
- Wash off all salt deposits and flush out the exhaust outlet of the propeller and gear case with fresh water if operating in salt water

### After 100 hrs of use or once yearly, whichever occurs first

- Lubricate all lubrication points. Lubricate more frequently when used in salt water
- Replace spark plugs at first 100 hrs or first year. After that inspect spark plugs every 100 hrs or once yearly. Replace spark plugs as needed (Carb-EFI-Optimax-4-stroke)
- Saltwater usage - Remove and inspect spark plugs for corrosion and replace spark plugs as necessary. Apply a thin coating of Anti-Seize Compound only on threads of spark plug prior to installation.
- Check wiring and connectors
- Check engine fuel filter for contaminants – carburetor and 4 stroke models
- Replace water separating fuel filter – EFI and Optimax models
- Replace compressor air intake filter – Optimax
- Inspect alternator belt – EFI and Optimax models
- Check corrosion control anodes. Check more frequently when used in saltwater
- Drain and replace gear lubricant
- Check power trim fluid
- Inspect battery\*
- Check control cable adjustments\*
- Lubricate splines on the drive shaft and shift shaft\*
- Check tightness of bolts, nuts and other fasteners
- Inspect Timing Belt\*



- Change engine oil and replace the oil filter. The oil should be changed more often when the engine is operated under adverse conditions such as extended trolling – 4 stroke models
- Inspect thermostat visually for corrosion and broken spring. Make sure thermostat close completely at room temperature – 4 stroke models
- Check and adjust valve clearance, if necessary – 4 stroke models

### **After 300 hrs of use or Three years**

- Replace water pump impeller (more often if overheating occurs or reduced water pressure is noted\*)
- Check power trim fluid
- Replace spark plugs at first 300 hours or three years. After that, inspect spark plugs every 300 hours or three years. Replace spark plugs as needed (Verado)
- Replace accessory drive belt. See Accessory Drive Belt Inspection (Verado)

### **Storage**

- The major consideration in preparing your outboard for storage is to protect it from rust, corrosion and damage caused by freezing of trapped water.

- Refer to the procedures given in your “Outboard Operation, Maintenance & Warranty” manual to prepare your outboard for out of season storage or prolonged storage (two months or longer)

\* These items should be serviced from an authorized dealer.

## **System Wiring Installation Checklist**

### **Data Cable**

- Verify the data harness is not routed near sharp edges, hot surfaces or moving parts
- Verify data harness is not routed near ignition components (coils, spark plug leads, and spark plugs), high power VHF coax or radios

### **Junction Box (If equipped)**

- Verify the data harness is not routed near sharp edges, hot surfaces or moving parts
- Ensure the harness connections are fastened within 25.4 cm (10 in.)
- Verify that all unused receptacles are covered with a weather cap



## **Non-Mercury Marine Supplied Ignition Key Switch**

- If a non-Mercury Marine ignition key is used, verify that it passes the ingress protection testing per IEC IP66 specification minimum. Ignition switches must pass this specification

## **Electronic Remote Control**

- Ensure Electronic Remote Control (ERC) connections are completed following ERC installation instructions prior to engine operation

## **DTS Command Module Harness**

- Verify that all connectors are properly inserted and locked in their receptacle (remote control, key switch, command module, lanyard stop switch and junction box, if equipped)
- Verify that while moving the remote control handle (full forward and full reverse) the harness has unobstructed movement (moves freely)
- Verify that the lanyard stop switch is wired into the system correctly
- Verify that the harness is fastened along the routing path
- Verify that all unused connectors have weather caps to prevent corrosion

## **Battery**

- Verify that wing nuts have been replaced with hex nuts, provided
- Verify that all engine battery cables are connected to the correct terminals
- Verify that the DTS power harness leads are connected to the starting battery and secured with locknuts
- Ensure that 5 Amp fuse for the DTS power harness is accessible

## **Lanyard Stop Switch**

- Verify that the switch is installed
- Verify that the switch is connected to the DTS command module harness

To keep your outboard in the best operating condition, it is important that your outboard receive the periodic inspections and the maintenance listed in the inspection and maintenance schedule. We urge you to keep it maintained properly to ensure the safety of you and your passengers and retain its dependability.

Record maintenance performed in this maintenance logbook.

We recommend using original Mercury Precision or Quicksilver replacement parts and genuine lubricants.





If you have any question regarding the maintenance, refer to the “Operation & Maintenance Manual”.

## Warning

Neglected inspection and maintenance service of your outboard or attempting to perform maintenance or repair on your outboard if you are not familiar with the correct service and safety procedures could cause personal injury, death or product failure



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Dealer stamp + signature:  
Hours of Operation:

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ENGINE CARE





Marine Power Europe Inc.  
*A Brunswick Company*

Parc Industriel de Petit-Rechain  
B-4800 Verviers - Belgium

Tel. +32 (0)87 32 32 11  
Fax +32 (0)87 31 19 65

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[www.marinepower.com](http://www.marinepower.com)