



# IMPORTANT INFORMATION

## Section 1B - Maintenance

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## Maintenance

### Before Each Use

1. Check that lanyard stop switch stops the engine.
2. Visually inspect the fuel system for deterioration or leaks.
3. Check the engine compartment and use your nose to detect any fuel fumes.
4. Check throttle, shift and steering system for binding or loose components.

### After Each Use

1. Wash off all salt deposits with fresh water if operating in salt water.
2. Flush out the engine cooling system if operating in salt or polluted waters or sandy locations.

### Every 10 Hours of Use or Once a Month

1. Check bilge siphon system.
2. Inspect cable bellows: worn, rubbing, or leaking.
3. Inspect battery and connections.
4. Check tightness of bolts, nuts and other fasteners.

### Every 50 Hours of Use or Once a Month

1. Check level and condition of drive housing and stator lubricant.
2. Check corrosion control anodes.
3. Check tightness of bolts, nuts and other fasteners.

### Every 100 Hours of Use or Once a Season

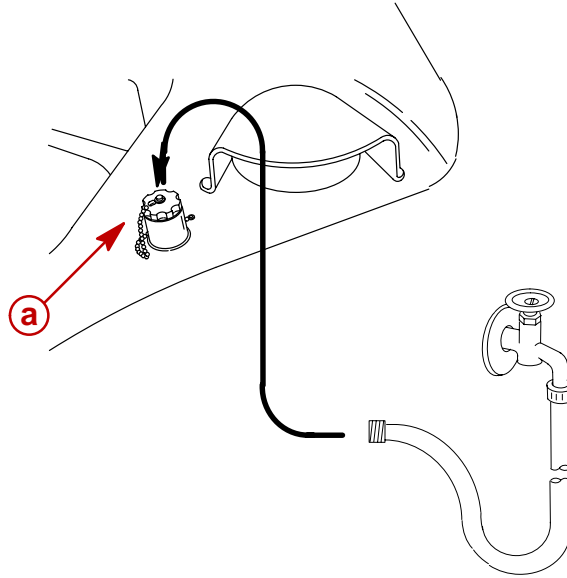
1. Drain and replace drive housing lubricant.
2. Drain and replace stator housing lubricant.
3. Remove impeller and lubricate impeller shaft with Quicksilver or Mercury Precision 2-4-C w/Teflon to prevent impeller from seizing to the shaft.
4. Remove engine deposits with Quicksilver or Mercury Precision Power Tune Engine Cleaner.
5. Replace engine fuel line filter.



## Flushing Cooling System

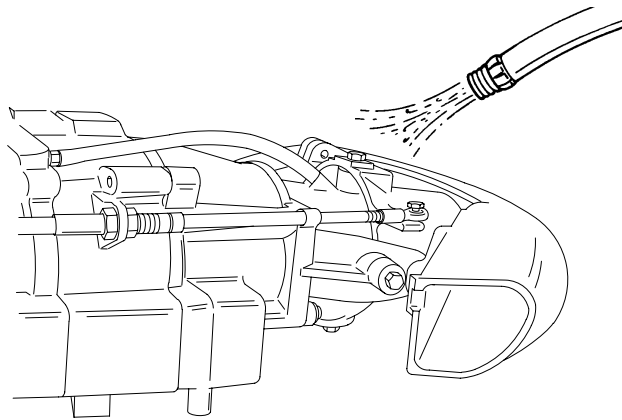
Flushing the cooling system is essential after each use in salt water, after the boat has run aground, or when the overheat warning horn sounds (possible debris in jet powerhead).

1. Remove flush adaptor plug and attach water hose.



**a** - Flush Adapter Plug

2. The engine may be run using the Flushing Attachment: DO NOT run the engine above idle speeds.
3. Turn water on and flush engine block for at least 10 minutes.
4. Remove water hose and install flush adaptor plug.
5. Flush outer surfaces of pump with water stream.



## Corrosion Protection

This power package is equipped with anodes to help protect it from galvanic corrosion under moderate conditions. See the Operator's Manual for location of anodes.



## Out-of-Season Storage

### **⚠ WARNING**

**As a safety precaution, when boat is in storage, remove positive (+) battery cable. This will eliminate possibility of accidental starting of engine and resultant overheating and damage to engine from lack of water.**

In preparing for out-of-season storage, two precautions must be considered: 1) The engine must be protected from physical damage caused by freezing trapped water and 2) the engine must be protected from rust, corrosion and dirt.

The following storage procedures should be followed to prepare the M<sup>2</sup> Jet Drive for out-of-season storage or prolonged storage (two months or longer).

### **⚠ CAUTION**

**Never start or run the Sport Jet (even momentarily) without water circulating through the cooling system to prevent damage to the unit.**

## Fuel system

**IMPORTANT: Gasoline containing alcohol (ethanol or methanol) can cause a formation of acid during storage and can damage the fuel system. If the gasoline being used contains alcohol, it is advisable to drain as much of the remaining gasoline as possible from the fuel tank, remote fuel line, and engine fuel system.**

Fill the fuel system (tank, hoses, fuel pump, and carburetors) with treated (stabilized) fuel to help prevent formation of varnish and gum. Proceed with the following instructions.

1. Premix gasoline with a 25:1 oil ratio (32 fl. oz. of Mercury Premium Plus Oil to 6 gallons of gasoline) to either a portable fuel tank or permanently installed fuel tank.

**NOTE: DO NOT use gasoline containing any alcohol (Ethanol or Methanol)**

2. Add to fuel mixture; double the recommended amount of Mercury Fuel Stabilizer or equivalent.
3. Run the engine (using flushing attachment or in the water) for a minimum of 10 minutes at approximately 1500/2000 rpm. Remove the fuel hose and continue to run engine until it runs out of fuel.
4. Using the above procedures, the internal components of the engine will receive the proper amount of lubrication and protection for storage.
5. Drain and refill drive housing unit and stator assembly with Quicksilver Hi Performance Gear Lube as explained in “**Jet Pump**” section (see **Table of Contents**).
6. Clean engine thoroughly including all accessible powerhead parts and spray with Corrosion and Rust Preventive.
7. Lubricate all lubrication points.
8. Store battery as outlined in **Battery Storage** following:

**IMPORTANT: Check and refill housing with Quicksilver Hi Performance Gear Lube before storage to protect against possible water leakage into housing which is caused by loose lubricant vent or fill plug. Inspect gaskets under lubricant vent and fill plugs replacing any damaged gaskets before reinstalling plugs.**

## Battery Storage

1. Remove battery as soon as possible and remove all grease, sulfate and dirt from top surface.



2. Cover plates with distilled water, but not over 3/16 in. (5 mm) above perforated baffles.
3. Cover terminal bolts well with grease.
4. Store battery in a cool, dry place in a dry carton or box.
5. Remove battery from storage every 60 days. Check water level and place on charge for 5 to 6 hours at 6 amperes. DO NOT fast charge.

**⚠ CAUTION**

**A discharged battery can be damaged by freezing.**