



# service bulletin

**MERCUISER HI-PERFORMANCE SERIES** No. 2001-03

WARRANTY INFORMATION

SERVICE INFORMATION

## Correct Location of the Raw Water Engine Thermostat

### Models

All HP 500 EFI Engines (ALL THERMOSTAT HOUSINGS WERE ASSEMBLED CORRECTLY AT THE FACTORY. THIS BULLETIN IS ONLY CORRECTING INFORMATION IN THE SERVICE MANUAL)

### Situation

The Mercury Racing Number 6 Service Manual (90-840283) shows an incorrect orientation of the raw water cooling thermostat in the following sections and pages:

- Sect. 5A-28, 5B-21, 6A-22, and 6A-24

### Service Manual Correction

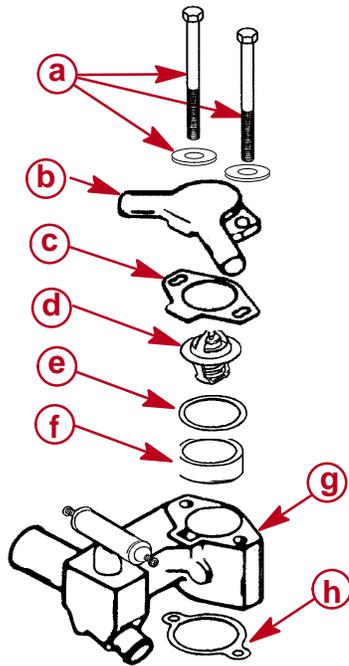
The correct location and installation procedure of the thermostat and gaskets follows on page 2.

**INSTALLATION**

1. Clean gasket surfaces on thermostat housing and intake manifold.
2. With the thermostat housing **off** the engine, install Spacer (f) into thermostat housing with the flange "UP".
3. Install the cork gasket onto the spacer flange and install the thermostat into housing with element end toward housing bottom, as shown.
4. Coat both sides of new thermostat housing cover gasket (c) with Quicksilver Perfect Seal and position over thermostat.
5. Position thermostat housing cover on housing and insert bolts with washers through the assembly.

**IMPORTANT: Gasket (h) has continuity rivets. Do not apply Quicksilver Perfect Seal.**

6. Position the manifold to housing gasket (h) on the exposed threads of the bolts going through the thermostat housing assembly and while holding this gasket in place, install the final assembly on the intake manifold. Torque the bolts to 30 lb-ft (41 Nm).
7. Reconnect hose(s) to thermostat housing. Tighten hose clamps securely.
8. Start engine and inspect for leaks.



- a** - Retaining Bolts / Washers
- b** - Cover
- c** - Gasket
- d** - Thermostat
- e** - Cork Gasket
- f** - Spacer
- g** - Thermostat Housing
- h** - Manifold to Housing Gasket