

SERVICE BULLETIN



Number: 77-3

Date : 11/18/76

CIRCULATE TO:	SERVICE MGR.	PARTS MGR.	MECHANICS	Place in Your "Service Bulletins" Binder
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- A. MCM 470 Engine Temperature
- B. MerCruiser 280 II-TRS Gimbal Ring Replacement (Fix)
- C. MerCruiser Drive Unit Continuity Checks

A. MCM 470 ENGINE TEMPERATURE

(Attach Bulletin Reference Sticker to P. 7D-8 of Your Service Manual.)

MCM 470 engines are equipped with a 160° thermostat, compared to the 143° thermostat in the rest of the MerCruiser line.

On boats equipped with MerCruiser instrumentation, the temperature gauge will indicate a normal temperature reading with the needle pointing at the line that separates the green and red areas of the gauge.

The exhaust manifold on the MCM 470 engine is fresh-water cooled and will feel hotter to the touch than exhaust manifolds of any other MerCruiser Engines "with" or "without" fresh-water cooling.

B. MERCUISER 280 II-TRS GIMBAL RING REPLACEMENT (FIX)

(Attach Bulletin Reference Sticker to P. 6B-24 or Your Service Manual.)

Each 280 II-TRS Gimbal Ring Fix Kit (B-77011A2) is equipped with an instruction sheet outlining new replacement procedures. Using these procedures, it is not necessary to remove the engine to replace the gimbal ring assembly.

Labor allowance to replace the gimbal ring (following these new instructions) is 4.3 hrs.

C. MERCUISER DRIVE UNIT CONTINUITY CHECKS

(Attach Bulletin Reference Sticker to P. 7E-1 of Your Service Manual.)

If corrosion is noticed on any submerged portion of a stern drive unit (or outboard), a continuity test should be performed between that component and the drive shaft housing.

On installations without a MerCathode System, a maximum of 0.5-to-1 ohm of resistance is allowable. If more resistance is found, the components must be removed, cleaned and reinstalled to ensure good contact so that the sacrificial zincs can protect the units to their maximum potential. It is recommended that a MerCathode System be installed on all boats being used in salt or brackish water.

On installations with a MerCathode System installed, a maximum of 5 ohms resistance is allowable for the MerCathode System to protect at its maximum ability. If resistance readings are within the allowable range and corrosion still is apparent, the MerCathode System performance should be confirmed by using the MerCathode tester to determine that the reading is at least 900 millivolts.