



MERCUISER SERVICE BULLETIN

Section: XII (Bulletins)

Number: 68-03

Date: 2/27/68

Cut individual items along broken lines and attach in appropriate sections of your MerCruiser Service Manual.

- A. Thermal Overload Cut-Out Switch in Hydr. Pumps (Sec. X)
- B. Shift Sender Hydraulic Tube Repair - "O" Drive Unit (Sec. II)
- C. U-Joint Bearing Carrier Seal Replacement (Section IX)
- D. Bellows Installation - MerCr. I Type (P. 25A, Sec. IX)

A. THERMAL OVERLOAD CUT-OUT SWITCH IN HYDRAULIC PUMPS

(For P. 83 on Miscellaneous Section X)

The thermal overload cut-out switch functions to protect the pump motor against damage from overheating. An internal pump motor failure or excessive running of the pump under high load conditions will cause overheating. The switch will react between 30 seconds and several minutes, depending upon the pump temperature and load. If cut-out switch opens, allow a minimum of one minute for switch to reset before operating hydraulic system.

B. SHIFT SENDER HYDRAULIC TUBE REPAIR - "O" DRIVE UNIT

(For Installation Section II)

Leaking of nylon hydraulic sender tubing at a 90° elbow fitting on sender can be repaired as follows:

1. Disconnect hydraulic tubing from sender elbow, cut off the flare on the tube evenly and remove the threaded nut.
2. Remove original 90° elbow fitting from sender and install new 90° male elbow fitting (B-22-48169). Do not over-tighten.
3. Insert tubing into fitting connector and tighten.

B-22-48169

90° Male Elbow Fitting Connector

\$.60 U.S. List

C. U-JOINT BEARING CARRIER SEAL REPLACEMENT - ALL STERN DRIVE MODELS

(For P. 25A of Drive Unit Section IX)

To assure a tight seal when replacing the bearing carrier seal; use Loctite to prevent lubrication seepage and to hold seal securely in position. Remove all oil from seal and carrier before application of Loctite.

NOTE: Loctite is recommended for use on any seal outside diameter during its installation.

C-92-32609-1

Loctite Type "A", 10cc Tube

\$ 1.95 U.S. Net

D. BELLOWS INSTALLATION - ALL MERCUISER I TYPE DRIVE UNITS

(For Drive Unit Section IX)

Bellows B-36223A1 has been modified with flat surfaces on each side of the first convolution on end of bellows which is installed toward transom plate. Be sure to install bellows as marked. Procedure for installation is outlined in MerCruiser Service Manual, Section IX.