



Beaver Dam, Wisc.
U.S.A.

MERCURUISER SERVICE BULLETIN

Section: XII (Service
Bulletins)
Number: 863-02
Date: 3/27/63

- A. MerCruiser Marine Engine Code Numbers
- B. New MerCruiser Service Tool (Oil Drain Pump)
- C. Bell Housing to Gimbal Housing - Water Inlet Hose Positioning - MerCruiser I
- D. Reverse Hook Release Lever - MerCruiser I

A. MERCURUISER MARINE ENGINE CODE NUMBERS

Effective immediately, when filling out "Applications for Adjustment of Warranty Material and Labor" on MerCruiser Marine Engines, "Engine Code Number" must be listed after "Engine Serial Number", and "Hours of Operation" also must be given. Any claims received without "Code Number" and "Hours of Operation" will be rejected and returned. On "110" and "140" engines, the code number is located on the cylinder block next to the distributor. (Fig. 1) On "190", "225" and "310" engines, the code number is located at the right front edge of the cylinder block on the cylinder head mounting flange. (Fig. 2)

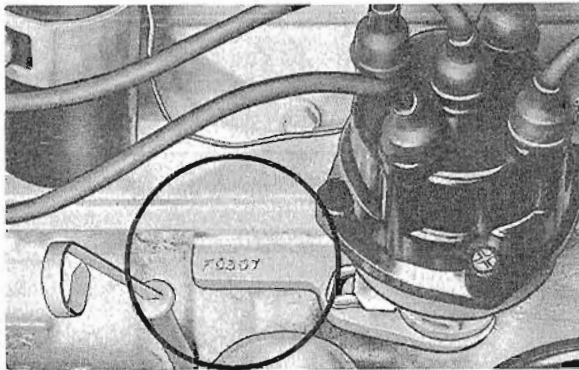


Figure 1

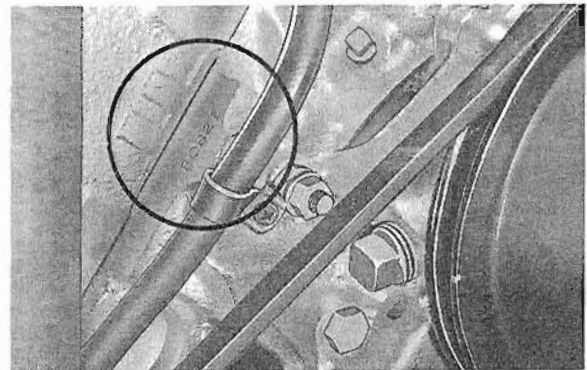


Figure 2

B. NEW MERCURUISER SERVICE TOOL

91-34429 Crankcase Oil Drain Pump \$2.75 Net

Pump is used for removing crankcase oil on all MerCruiser Marine Engines. Pump pick-up tube fits inside dip stick hole on engine. Eliminates draining problems on all boats. (Figures 3 and 4)

WARNING! Do not attempt to drain oil from engine by removing oil pressure sender and running engine until engine pumps itself dry or until bearings and tappets start to clatter. This will cause engine failure. Also, frequent installation and removal of oil pressure transmitter will soon render the sender useless, and oil pressure readings become inaccurate. Warranty is void if failure occurs from this type of operation.

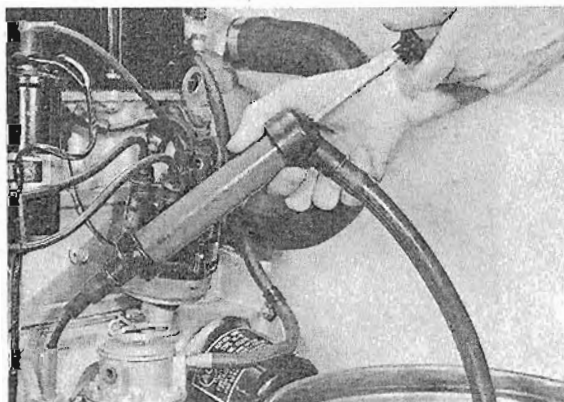


Figure 3



Figure 4

(OVER)

C. BELL HOUSING TO GIMBAL HOUSING - WATER INLET HOSE POSITIONING - MERCUISER I

Care should be exercised during the installation of the water inlet hose (32-32461), located between the bell housing and gimbal housing, so that the hose will not be cut or a hole will not be worn into the hose. Improper installation of the water hose will allow it to kink or rub during the normal steering action of the drive unit.

Install water inlet hose so that the natural curve of the hose follows the contour of the universal joint bellows and allows maximum clearance, as shown in Figure 5.

Position universal joint bellow clamps and exhaust bellow clamps, as shown in Figure 5 and 6, so the clamp screw head does not touch water inlet hose during maximum turning.

Be sure there are no sharp edges or marks on the gimbal housing at the location shown in Figure 7. If a sharp edge or mark exists, file smooth and repaint.

These service hints will help eliminate future service problems.

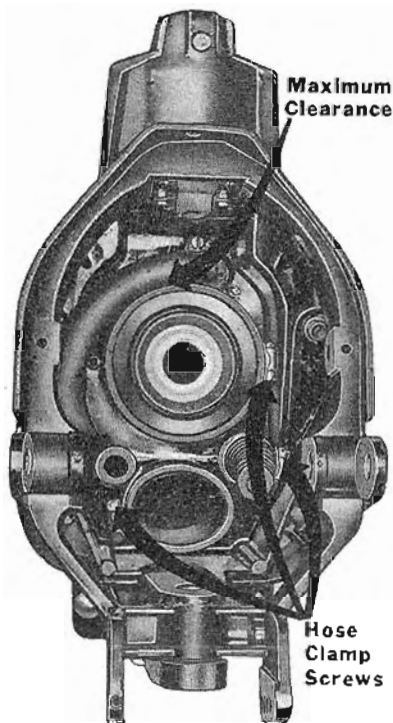


Figure 5

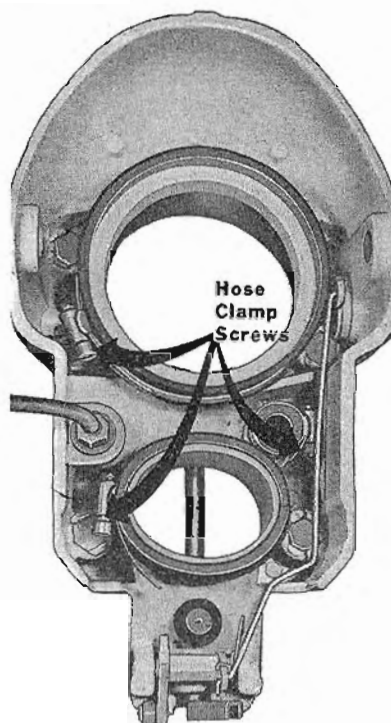


Figure 6

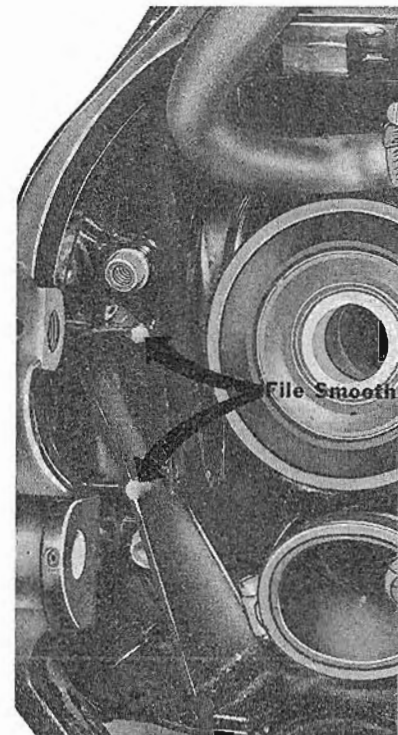


Figure 7

D. REVERSE HOOK RELEASE LEVER - MERCUISER I

Production is using Loctite Type A (92-32609) on the reverse hook release lever retaining screw. (Figure 8) It is recommended that Loctite be reapplied, if reverse hook release lever has been removed during servicing, so that screw will not loosen during boat operation.



Figure 8