



Number: 77-5

Date : 3/1/77

CIRCULATE
TO:

SERVICE MGR

PARTS MGR.

MECHANICS

Place in Your "Service Bulletins" Binder

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A. REPLACEMENT HINGE PIN and RETAINING PIN for MERCRUISER I DRIVES

(Attach Bulletin Reference Sticker to P. 6A-39 of Your Service Manual.)

The following MerCruiser I Stern Drive pins have been superseded as follows:

Description	Location	New Part No.	Old Part No.
Hinge Pin	Connects Bell Hsg.	*B-17-77361A1	B-17-38031
Hinge Pin Retaining Pin	to Gimbal Ring	B-17-77039	B-17-35571

^{*} Assembly Includes Retaining Pin B-17-77039 [1/8" (3.2mm) Dia.]

When using new Hinge Pin Assembly B-17-77361A1 (with larger, 1/8" diameter hole for 1/8" dia. retaining pin), gimbal ring retaining pin hole must be drilled out to 1/8" dia. to receive the new retaining pin.

When using <u>new</u> Retaining Pin B-17-77039 with <u>old</u> hinge pin, the hole in the gimbal ring and old hinge pin must be drilled to ¼" dia. to accept the new retaining pin. Drill the hinge pin and gimbal ring simultaneously (with hinge pin installed in gimbal ring and with holes in both aligned).

B. MERCRUISER ENGINES PRE-FILLED with ENGINE OIL

(Attach Bulletin Reference Sticker to P. 1C-2 of Your Service Manual.)

Starting November 1, 1976, MerCruiser Engines were shipped with oil in the crankcase. A red warning tag (C-90-77795) is attached to the oil filler cap on these units to designate that the crankcase has been filled. After boat installation, the engine oil level MUST BE rechecked to be sure that engine oil is at the proper level.

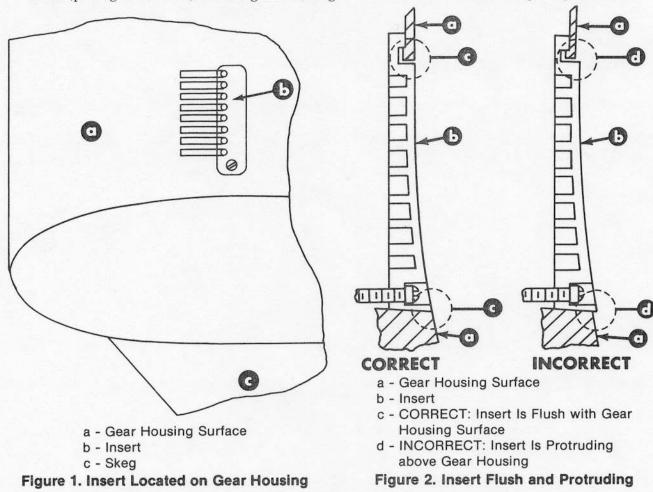
Engines, that are shipped with oil in the crankcase, WILL NOT have the 16 ounce (473ml) can of Quicksilver Engine Supplement attached to the engine. Pre-filled engines will have oil developed especially for the break-in period, and it should be replaced at the 20-Hour Checkup.

C. WATER PICKUP INSERTS on MERCRUISER I DRIVE MODELS

(Attach Bulletin Reference Sticker to P. 6A-2 of Your Service Manual.)

At the time of the 20-Hour Checkup or regular service (and units in your inventory), check all MerCruiser I Drive Models (with plastic water pickup inserts) for pickup inserts which protrude above the gear housing surface. (Figures 1 and 2)

If the insert protrudes above the surface of the housing, the insert edge will create an irregular or turbulent water flow over the water inlet holes. Consequently, this may cause loss of cooling water and result in an overheated engine. The condition also can be identified by cavitation burn (pitting or erosion) on the gear housing in the area aft of the water pickup holes.



To correct the above condition, remove the water pickup insert (Figure 3) and grind or file off enough stock from the leading edge of the insert's bottom side (Figure 3) to allow its leading edge (when held tightly in position) to fit from flush with the gear housing surface to slightly indented [.015" (.38mm) maximum].



a - Grind or File Area between Dotted Lines

b - Front

c - Face (Insert Is Setting Upright)

d - Bottom (Insert Is Turned Over)

Figure 3. Remove Stock from Area Shown

P. 3 - MerCruiser Service Bulletin No. 77-5 (3/1/77)

D. MERCRUISER 470 COOLING SYSTEM

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

MerCruiser 470 Engines will be shipped with the closed cooling system filled with a 50/50 mixture of distilled water and ethylene glycol to prevent freezing of the system to -30°F (-34°C). Pre-filled engines will be identified by a label on the plastic overflow tank and later by a decal located on the reservoir.

CAUTION: DO NOT run engines out-of-water without the Flush Test Device (C-73971) attached to the lower unit (and water running thru), or the water pump impeller in the drive unit will be damaged.

E. "MICRO-CARD CHANGE NOTICES" FILE CARDS

Handy 4x6" cards (shown on right) on which to record "Micro-Card Change Notices", they fit in your Visual Card Holder (C-90-63295) or microfiche file box. Order in packs of 100.

C-90-75445 "Micro-Card Change Notices" Cards (Pack of 100)

GRID NO.	REF, NO.	OLD PART NO.	NEW PART NO.	COMMENTS
-				
370	1000			
				C-90-7544