service bulletin

STERN DRIVES/INBOARD ENGINES

NUMBER: 79-7
DATE: 2/15/79

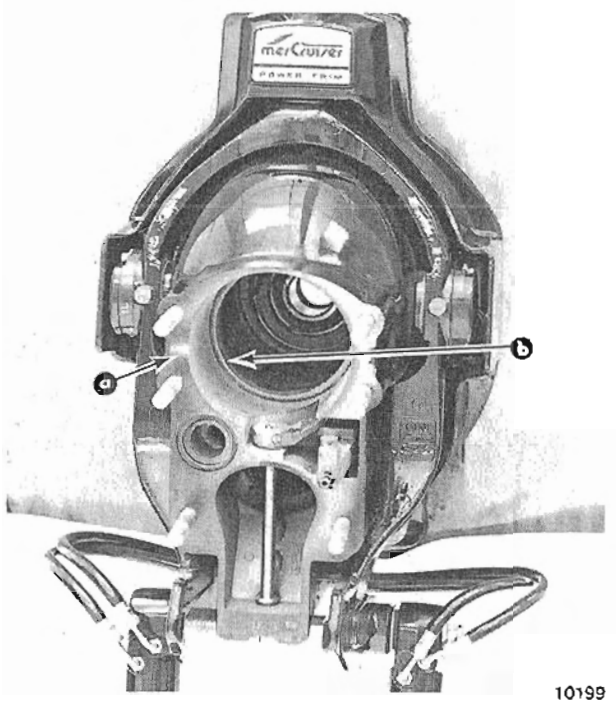
A. MerCruiser 120-thru-260 Drive Unit Gasket Replacement
B. MerCruiser Propeller Corrosion
C. MerCruiser II-TRS Drive Backwash on Low Profile Boats

CIRCULATE TO:
SERVICE MANAGER
PARTS MANAGER
MECHANICS

A. MERCRUISER 120-thru-260 DRIVE UNIT GASKET REPLACEMENT

(Attach Bulletin Reference Sticker to PP 2A-3 and 2B-3 of Your Service Manual.)

Whenever a MerCruiser 120-thru-260 drive unit is removed from the bell housing, the bell housing gasket (B-27-35982) must be replaced in addition to bell housing to drive shaft housing gasket (B-27-64818), or water leakage could occur. (Figure 1)



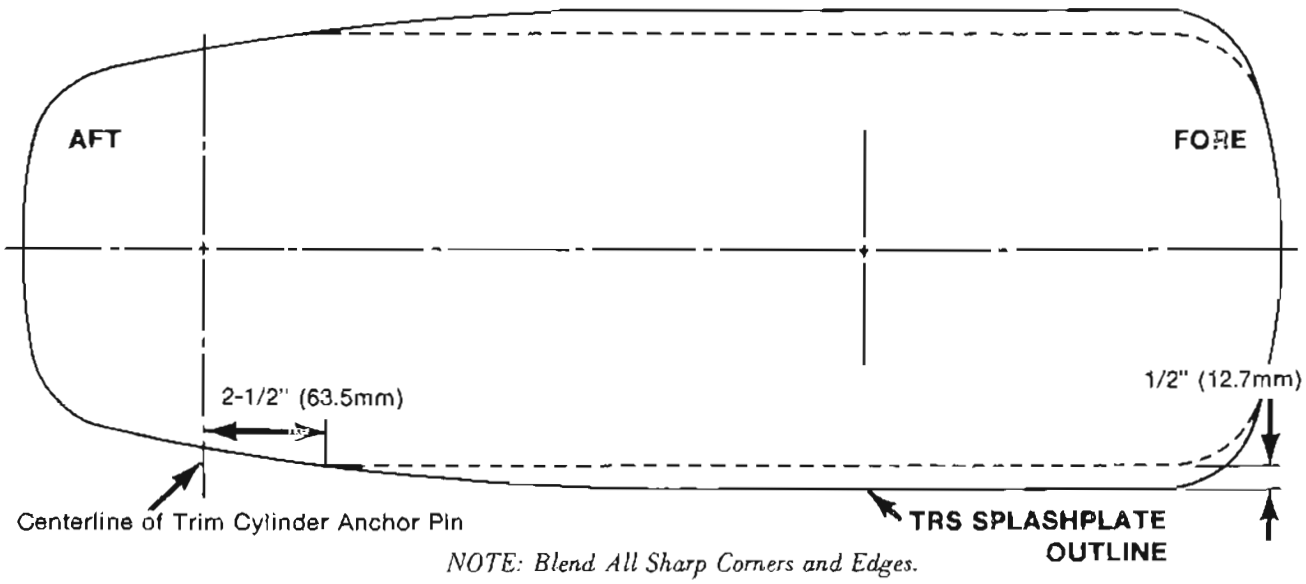
a - Bell Housing to Drive Shaft Housing Gasket Location
b - Bell Housing Rubber Gasket

Figure 1. Gasket Locations

B. MERCRUISER PROPELLER CORROSION

(Attach Bulletin Reference Sticker to P. 1A-12 of Your Service Manual.)

A stainless steel forward thrust hub (C-65091, used on Mercury Outboards) can be substituted for the standard bronze thrust hub (used on MerCruiser I Drives) to reduce corrosion activity on MerCruiser propellers.



NOTE: Blend All Sharp Corners and Edges.

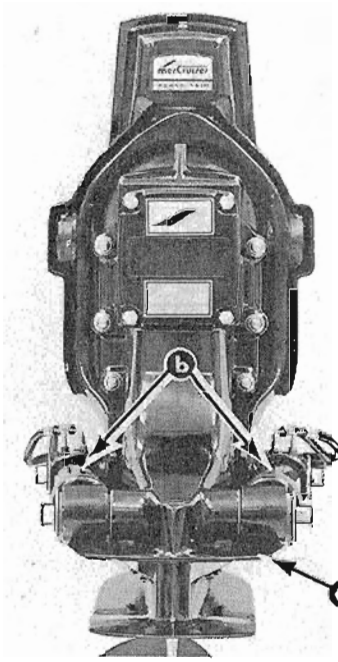
Figure 2. Splashplate Modification Dimensions

(OVER)

C. MERCRUISER II-TRS DRIVE BACK-WASH on LOW PROFILE BOATS

(Attach Bulletin Reference Sticker to P. 2C-5 of Your Service Manual.)

Some low profile boats, with a MerCruiser II-TRS drive package installed, experience a "backwash" over the boat transom during deceleration. This situation can be greatly reduced and, in most cases, eliminated by modifying the drive unit splashplate, as shown in Figure 2. The splashplate is the largest protruding plate (located just below trim cylinders). (Figure 3)



a - Splashplate b - Trim Cylinders

Figure 3. Splashplate Identification

MODIFICATION INSTRUCTIONS

NOTE: The following steps are completed on both sides of the splashplate.

1. Measure 2½" (63.5mm) forward of centerline of trim cylinder aft anchor pin along outer edge of splashplate. (Figure 2)
2. Measure toward center of drive unit ½" (12.7mm) from the front outer side of splashplate, as shown in Figure 2.
3. Using a straight edge, scribe a line between the measured points found in Steps 1 and 2.
4. Cut on scribed line to remove outer edge of splashplate, retaining the rounded corner on forward end of plate, as shown in Figure 2.
5. Blend all sharp corners and edges with a file and paint bare metal area.