



Beaver Dam, Wisc.  
U.S.A.

# MERCURISER SERVICE BULLETIN

Section: XII (Service  
Bulletins)  
Number: 15 64-08  
Date : 4/29/64

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## A. GIMBAL HOUSING BALL BEARING FOR MERCUISER I & II

(For P. 18, MerCruiser I, & P. 24, MerCruiser II, of Drive Unit Section IX)

A new one-piece ball bearing (30-36418) now is available and supersedes ball bearing 30-36056, bearing carrier 36147 and retaining ring 53-35129, previously used on MerCruiser IA-IB-IC and MerCruiser II (Serial No. 1602186 and above). Although the new one-piece ball bearing is installed the same as the early ball bearing and carrier assembly, it may be necessary to reshim the nylon bearing carrier adaptor. Shims must be placed between nylon bearing carrier adaptor and gimbal housing so that ball bearing fits very tightly in nylon adaptor. Try various sized shims until ball bearing just can be tilted into position but is not a force fit. (Figure 1)

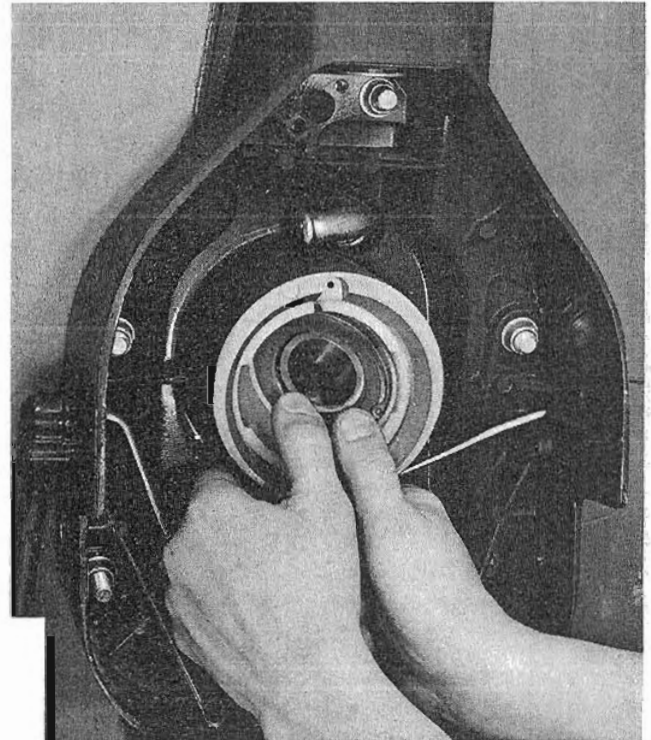
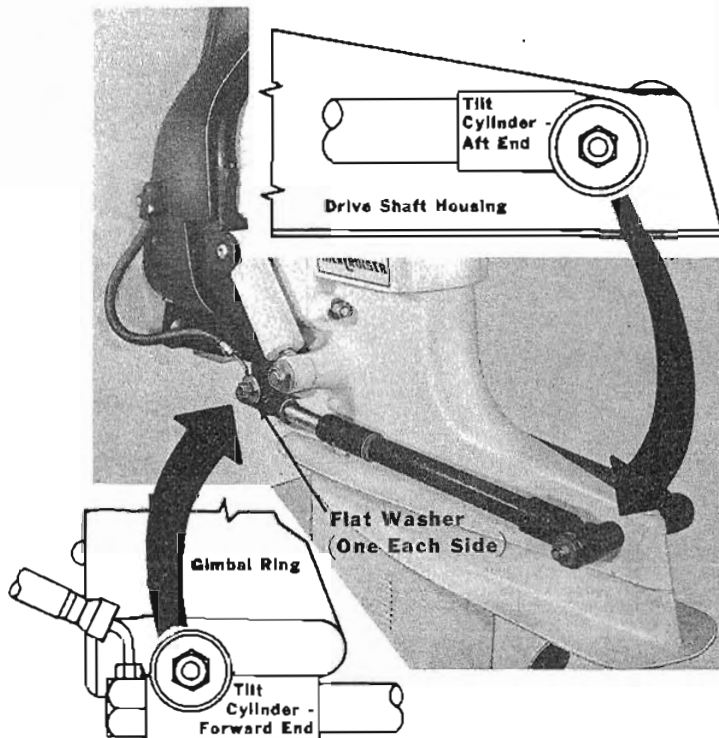


Figure 1. Positioning Ball Bearing



## B. POSITIONING HYDRAULIC CYLINDERS ON MERCUISER I

(For P. 13, Miscellaneous Section X)

We have received reports that hydraulic lift cylinders of the Full Power Tilt have been installed upside down.

Refer to the illustration on the left (Figure 2) for correct installation.

Check hydraulic lift cylinders for correct installation while observing units equipped with Full Power Tilt during servicing.

Figure 2. Hydraulic Lift Cylinders Installed

C. LATCHES AND CATCHES ON MERCUISER II

(For P. 32 of Installation Section II)

Latch and catch must be properly matched to the steering lever housing to assure proper crank-up and crank-down of stem drive unit. The following chart and illustrations will assist you in selecting the correct latch and catch for replacement purposes.

Steering Lever Hsg.	Latch	Catch
32353A1	31961 Superseded by 32416	31973
31867A2	32619	32616
32760A3	33638	33639
32420A2	35249	33639

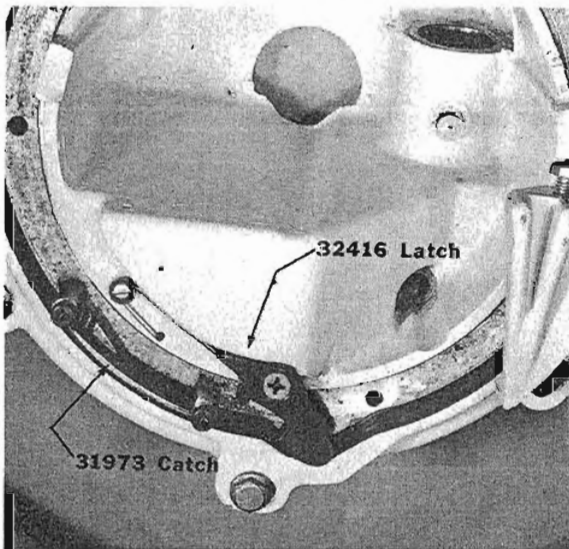


Figure 3. Steering Lever Housing 32353A1

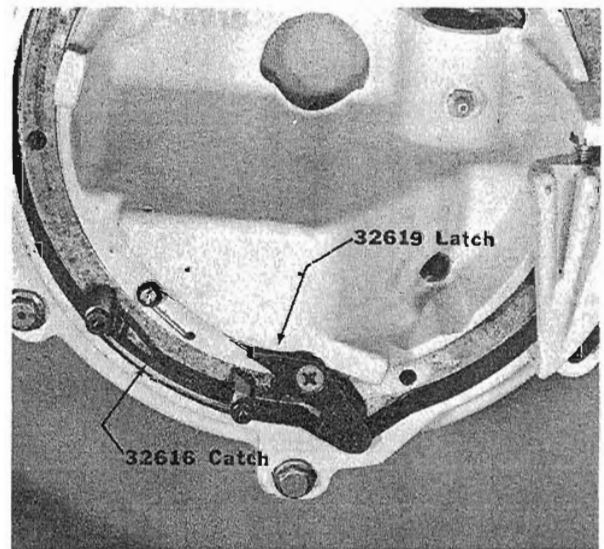


Figure 4. Steering Lever Housing 31867A2

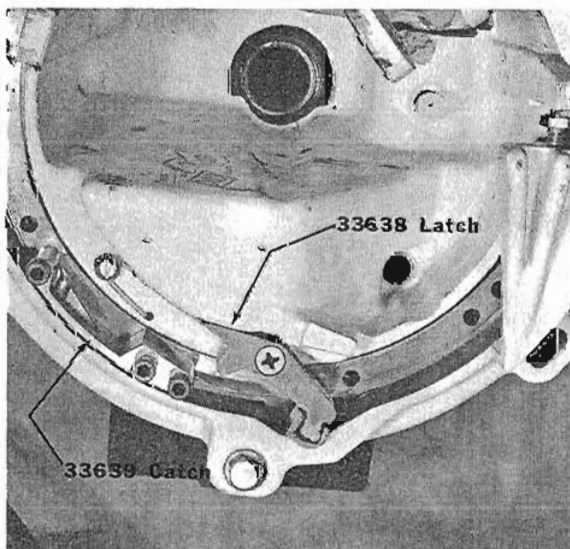


Figure 5. Steering Lever Housing 32760A3

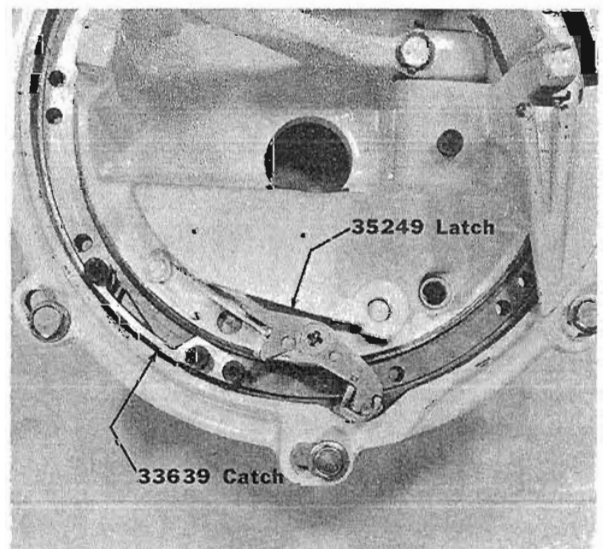


Figure 6. Steering Lever Housing 32420A2

D. SPECIAL MARINE TYPE WATER PUMP

(For P. 35-36, Engine Mechanical Section VIII)

We now have a new improved marine engine water circulating pump for your MerCruiser Marine 4 and 6-cylinder engine parts' stock. It has been incorporated in our MerCruiser marine engine production as well as being available as a replacement part.

This new water circulating pump gives longer life and has better sealing qualities -- especially in salt water operation -- than did the previous water pumps.

The new circulating water pump (37369) is not a standard automotive type and is only available thru franchised MerCruiser dealers.

37369 Marine Water Pump \$14.75

E. FUEL RETURN LINE FOR MERCUISER "110" AND "120" ENGINES

(For P. 4 of Fuel System & Carburetion Section VII)

To aid in servicing the fuel filter on MerCruiser "110" and "120" Marine Engines, the fuel return line "T", previously installed with the "T" facing down (Figure 7), should be installed with the "T" facing up. (Figure 8)

Check and change on the MerCruiser Marine Engines which you service.

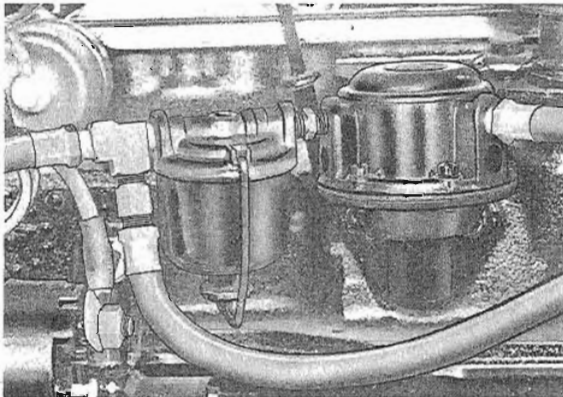


Figure 7. "T" Facing Down (Incorrect)

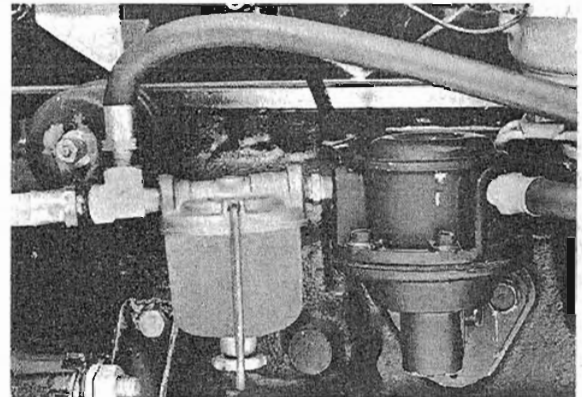


Figure 8. "T" Facing Up (Correct)

F. OIL RECOMMENDATION - FULL POWER TILT HYDRAULIC SYSTEMS

(New Information for Miscellaneous Section X)

If it is necessary to add oil to Full Power Tilt hydraulic systems, be sure to use type of oil specified below:

1. Low Pressure Pump - Systems which have a low pressure pump, as shown in Figure 9, require SAE 10W30 motor oil.
2. High Pressure Pump - Systems which have a high pressure pump, as shown in Figure 10, require Type "A" transmission oil.

Disregard information on decal, which is attached to pump motor, unless it agrees with the foregoing. If information on decal is incorrect, replace decal with Part No. 37-35520 for low pressure pumps and Part No. 37-37613 for high pressure pumps.

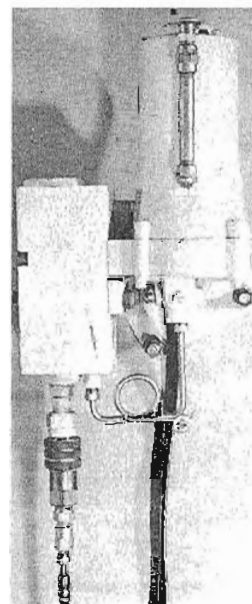


Figure 9. Low Pressure Pump

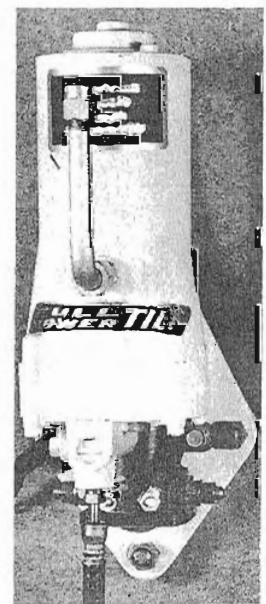


Figure 10. High Pressure Pump