



MERCURISER SERVICE BULLETIN

Section: XII (Bulletins)

Number: 70-16-12

Date : 8/14/70

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

- A. MerCruiser 215 Power Steering (For Section X)
- B. MerCruiser Power Trim Reverse Lock Valve Leakage (Sec. X)
- C. MerCruiser 140 Timing Gears (For Section VIII)
- D. Defective Water Temperature Senders (Section X)
- E. MerCruiser 215 Gimbal Housing Leakage (Section IX)

A. MERCURISER 215 POWER STEERING

(For Miscellaneous Section X)

Power Steering is offered as standard equipment on all MerCruiser 215E's and will be shipped with the Power Steering kit installed (necessitating a price increase on the power package). MerCathode, however, has been removed as standard equipment on this model and is available as an optional accessory. In the dual engine configuration, the second engine should be ordered less Power Steering.

The wide variety of hull designs for MerCruiser 215E and H installations reveal different steering characteristics. To benefit dealers, therefore, Power Steering kits are offered to dealers at a SPECIAL PRICE of \$100 Net for installations on those MerCruiser 215E or H equipped boats which do not have Power Steering and on which hard steering is encountered.

Order one Power Steering kit complete * from the following:

B-57288A3	Right Hand Mounting (Standard)	\$100.00 Net U.S.
B-57288A4	Left Hand Mounting (Optional)	\$100.00 Net U.S.

* Includes Power Steering pump and mounting kits (regular list price \$239.45; regular dealer price \$167.62)

Dual installations also require one tie bar steering kit, as follows:

B-57240A1	30-45½" Engine Centerlines	\$41.00 U.S. List
B-57240A2	45½-61½" Engine Centerlines	45.00 U.S. List
B-57240A3	61½-71" Engine Centerlines	49.00 U.S. List

B. MERCURISER POWER TRIM REVERSE LOCK VALVE LEAKAGE

(For Miscellaneous Section X)

If a Power Trim reverse lock valve leaks thru the valve cover "O" ring, the condition can be corrected as follows:

1. Remove valve cover.
2. First install washer (C-12-59570), then a new "O" ring (C-25-45711) in valve cover. Position washer between "O" ring and cover.
3. Apply Loctite 35 (C-92-58254A1) on screw threads when installing cam-to-cam lever screw.
4. Reassemble and readjust valve.

NOTE: This washer (C-12-59570) presently is incorporated in reverse lock valve assembly production.

C. MERCUISER 140 TIMING GEARS (For Engine Mechanical Section VII)

A hollow, rapping sound may be heard on some MerCruiser 140 Engines (Serial No. 2911135 and below) when accelerating and decelerating thru a 500-to-2000 RPM speed range. This sound may be caused by the timing gears and is not an indication of gear failure, nor does it harm the engine.

If an owner insists, however, that the noise be eliminated, install a new timing gear set (B-43-58283A1). MerCruiser 140 Engines (Serial No. 2911136 and above) have the new gears.

Parts	B-43-58283A1	Timing Gear Set	C-27-52145	Gasket, Rocker Arm Cover
Required	C-27-52144	Gasket Set, Oil Pan	C-27-34213	Gasket, Fuel Pump
	C-27-49953	Gasket, Timing Gear Cover	C-27-34486	Gasket, Distributor
	C-27-34208	Gasket, Push Rod Cover		

Flat Rate Labor Time Allowance: Code 4E38 - 8.4 Hrs.
Code 4E38C - .3 Hr.

D. DEFECTIVE WATER TEMPERATURE SENDERS - ALL MODELS (For Miscellaneous Section X)

If a MerCruiser water temperature gauge indicates a high operating temperature (needle in red zone), but the engine is not overheating, the water temperature sender (B-36525) may be defective. A manufacturing defect has been found on some senders with date codes of N-9 and earlier (N-8, N-7, etc) stamped on sender body.

B-36525 Temperature Sender \$2.70 U.S. List

Flat Rate Labor Time Allowance: 0.2 Hr.

E. MERCUISER 215 GIMBAL HOUSING LEAKAGE (For Drive Units Section IX)

Some gimbal housings have been found leaking thru the casting near the exhaust relief holes (located on bottom of housing near the exhaust elbows). To correct this problem, coat the sides of each hole with sealer (C-92-52238-1) and insert one tube (C-32-59563A1) into each exhaust relief hole as shown in Figure 1.

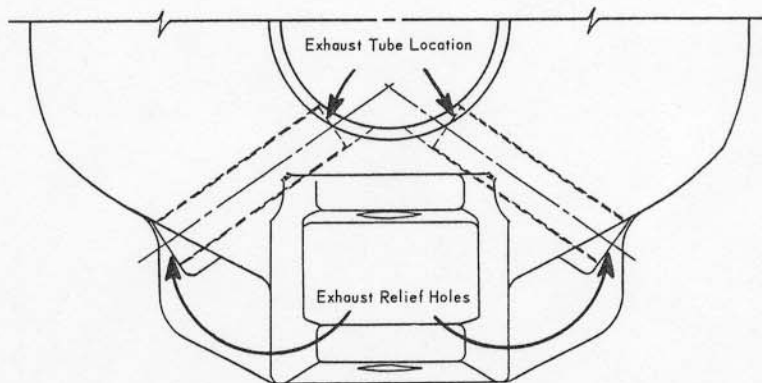


Figure 1. Exhaust Tube Location

C-32-59563A1 Tube Assembly, Exhaust Relief \$.90 U.S. List