

- A. Power Steering Control Valve and Cylinder Assembly Check and Adjustments (MerCruiser 888-215E-215H-225II-TR and 255II-TR)
- B. New Engine Coupling Torque Wrench Adaptor (MerCruiser 888)
- C. Remote Mounted Seawater Pump (MerCruiser 888)

**A. POWER STEERING CONTROL VALVE and CYLINDER ASSEMBLY CHECK and ADJUSTMENTS (MerCruiser 888-215E-215H-225II-TR and 255II-TR)**

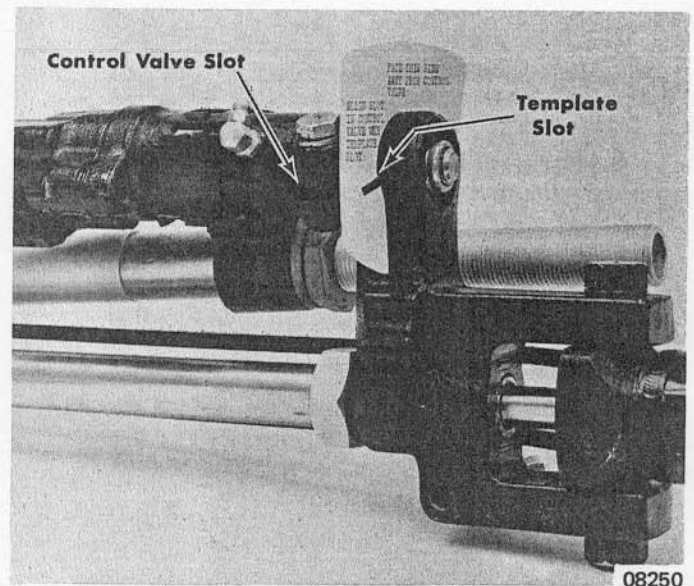
*(Attach Bulletin Reference Sticker on P. 7B-3 of Your Service Manual.)*

**IMPORTANT:** These procedures **MUST BE** closely followed when checking for the problem component and for proper reassembly and adjustment of components after replacement or repair.

**POWER STEERING UNIT CHECK (Before Installation)**

1. Check control valve position as follows:

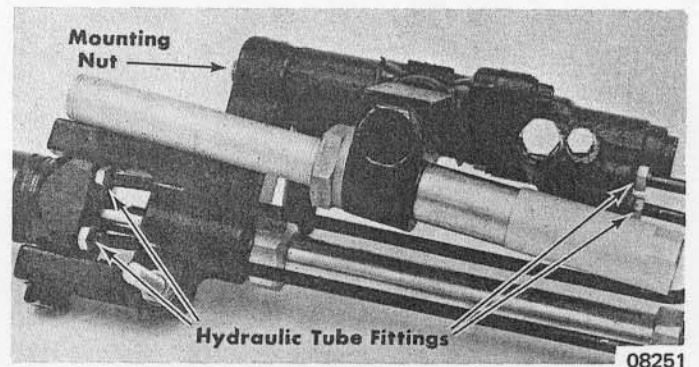
- a. Carefully cut out template (attached) and place template on control valve mounting bracket. (Figure 1)
- b. Reposition control valve by loosening mounting nut and 4 hydraulic tube fittings. (Figure 2)
- c. Rotate control valve to align slot in control valve with slot in template and tighten mounting nut. Torque nut to 25-35 ft. lbs. (3.46 to 4.84mkg).
- d. Retighten hydraulic tube fittings securely.



**Figure 1. Template Location for Position Check**

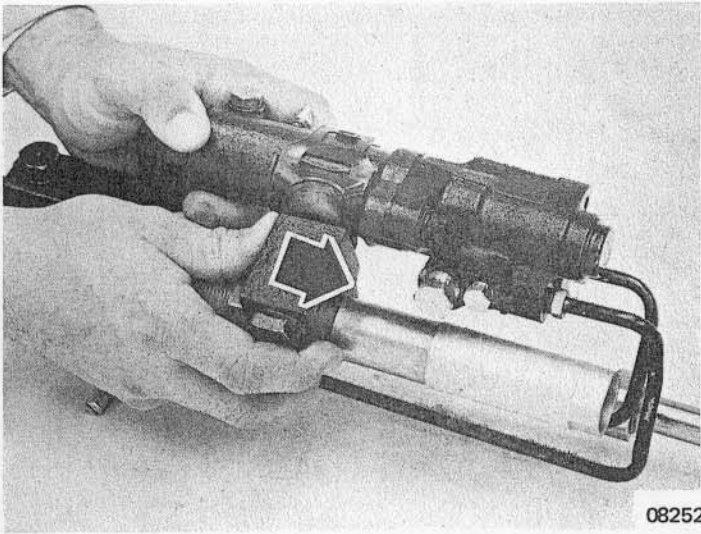
2. Check control valve actuating movement as follows:

- a. Grasp Power Steering assembly and move control valve in a parallel direction as shown in Figures 3 and 4. The valve must move between 1/16" (1.6mm) and 3/32" (2.4mm) in both directions, and return to center freely. About 10 lbs. (4.5kg) of force is required to move valve.
- b. If valve moves freely and returns to center without binding or sticking, lubricate valve with Multipurpose Lubricant (C-92-49588 or C-92-63250) until lubricant flows from under boot. (Figure 5) A 90° grease fitting (C-22-67305) can be installed for future periodic lubrication.
- c. If valve sticks, binds or does not move as described above, replace control valve.



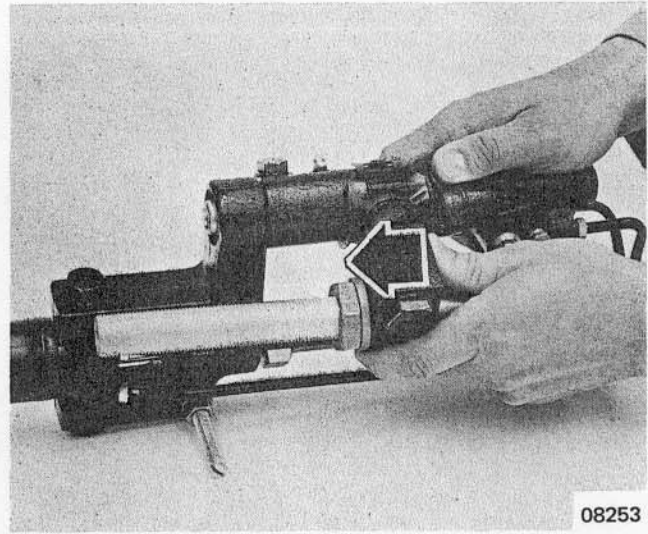
**Figure 2. Valve Alignment Adjustment**

**NOTE:** Perform valve alignment, preceding, when replacing control valve.



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Figure 3. Control Valve Movement



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Figure 4. Control Valve Movement

### POWER STEERING UNIT CHECK (During Installation)

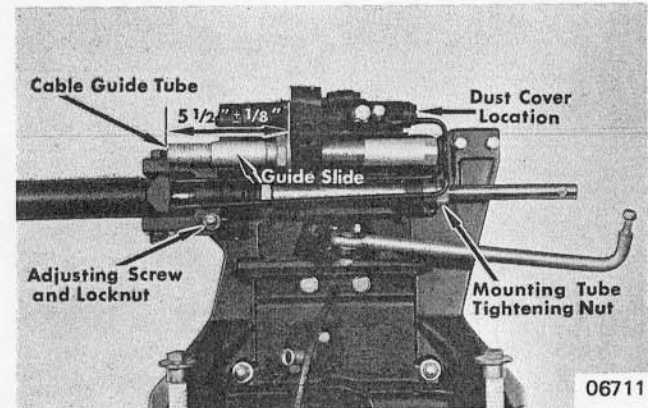
1. Lubricate shaft and mounting tube with Multipurpose Lubricant (C-92-49588 or C-92-63250) during installation. If binding is found, replace damaged parts. Refer to MerCruiser Accessories Parts List for replacement parts.
2. Check Ride-Guide cable mounting tube. Pre-adjusted dimension should be  $5\frac{1}{2}''$  (14cm)+ $\frac{1}{8}''$  (3.2mm). (Figure 6)
3. Reset dimension if incorrect. Replace Ride-Guide tube or adjusting sleeves if necessary.

### INSTALLATION

Follow procedure as outlined in the Power Steering installation instructions.



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Figure 6. Pre-adjusted Dimension



Figure 5. Control Valve Lubrication

**B. NEW ENGINE COUPLING TORQUE WRENCH ADAPTOR (MerCruiser 888)**

(Attach Bulletin Reference Sticker on P. 2H-1 of Your Service Manual.)

New MerCruiser 888 engine coupler attaching nuts have a 7/16" (11mm) hex and require a new torque wrench adaptor (C-91-64624).

C-91-64624

Torque Wrench Adaptor

\$5.80 Net U.S.

**C. REMOTE MOUNTED SEAWATER PUMP (MerCruiser 888)**

(Attach Bulletin Reference Sticker on P. 7D-19 of Your Service Manual.)

A new remote mounted seawater pump (B-46-63450A9), intended for use in heavy-duty applications, now is available for MerCruiser 888 Engines. The kit contains remote seawater pump, attaching hardware and installation instructions. A service accessory only, the kit is not intended for use in repair of an overheating condition that can be remedied with normal repair procedures.

B-46-63450A9

Remote Seawater Pump

\$

U.S. List

**TEMPLATE**