

A. Power Steering Control Valve and Cylinder Assembly Check and Adjustments (MerCruiser 888-215E-215H-225II-TR and 255II-TR)

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.

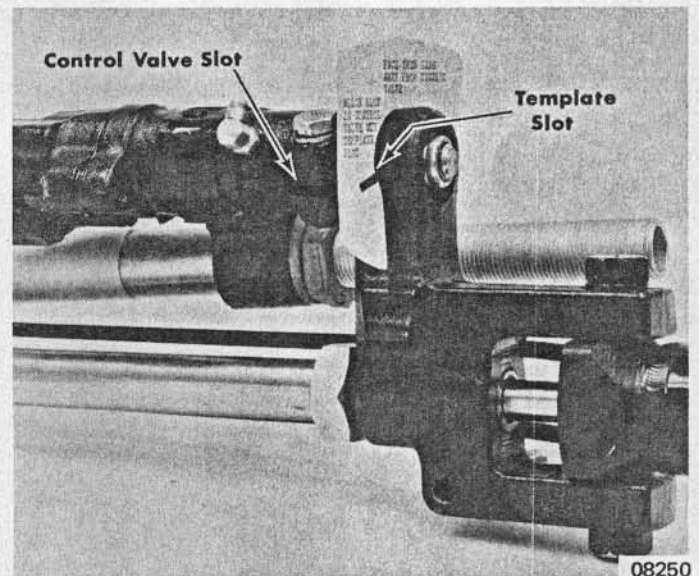


Figure 1. Template Location for Position Check

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.

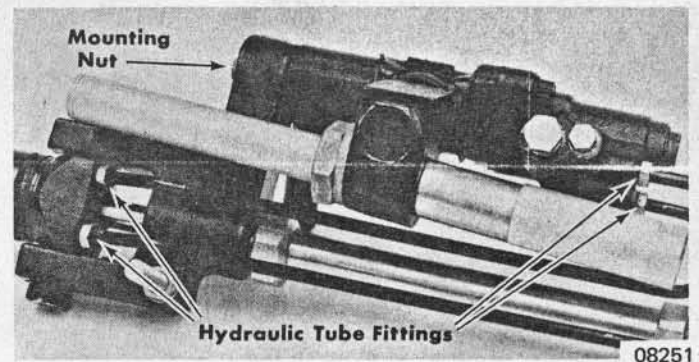


Figure 2. Valve Alignment Adjustment

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

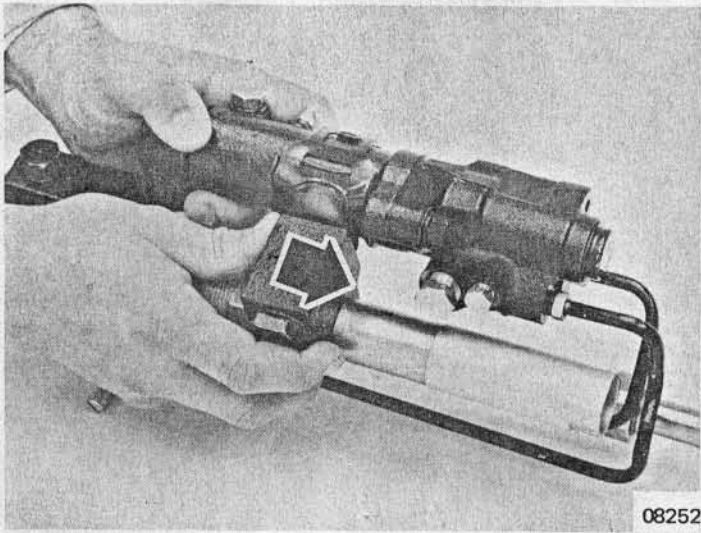


Figure 3. Control Valve Movement

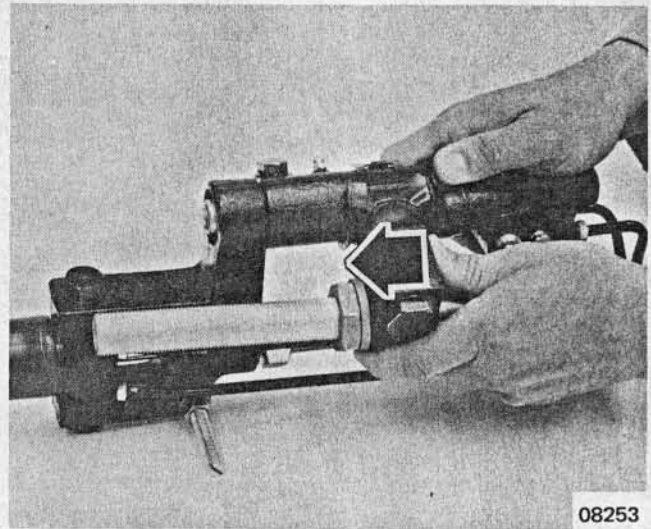


Figure 4. Control Valve Movement

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 $5\frac{1}{2}'' (14\text{cm}) + \frac{1}{8}'' (3.2\text{mm})$. (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.



← Figure 5. Control Valve Lubrication

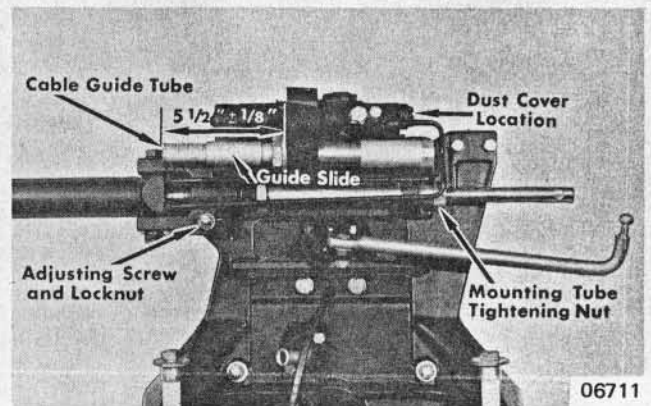


Figure 6. Pre-adjusted Dimension

TEMPLATE

