



DATE	PRODUCT	SUBJECT
MARCH 2017	TWO-PIECE TORQUE RODS	TORQUE ROD MEASUREMENT & PRE-ASSEMBLY

How to Measure Two-Piece Torque Rods

Prior to conducting any work, review and follow this technical publication and all applicable installation, preventive maintenance, service and safety instructions issued by the respective vehicle and suspension manufacturers. For other topics, refer to additional URO publications available online at www.uroproducts.com

To ensure proper measurement for the torque rod replacement, verify the mounting configuration of the torque rod being replaced and then measure as shown in Figures 1, 2 and 3 .

OUTSIDE MOUNT

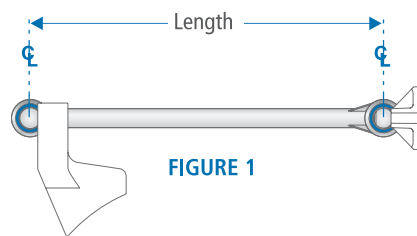


FIGURE 1

- Measure center to center of old torque rod
- Make the new torque rod the same length

TAPER PIN TO STRADDLE PIN MOUNT

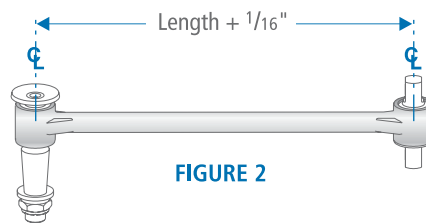


FIGURE 2

- Measure center to center of old torque rod
- Add $\frac{1}{16}$ " to make new torque rod

INSIDE TO INSIDE MOUNT

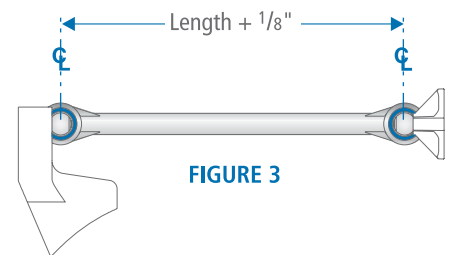


FIGURE 3

- Measure from the center of old torque rod
- Add $\frac{1}{8}$ " to make new torque rod

Pre-assembly Metal Preparation

1. Select the appropriate end type for the cross-member end, frame rail and axle end of the existing torque rod.
2. Assemble the male spacer end into the base of the female tube end until it bottoms out in the female tube end. Measure for excess, see Figure 4.



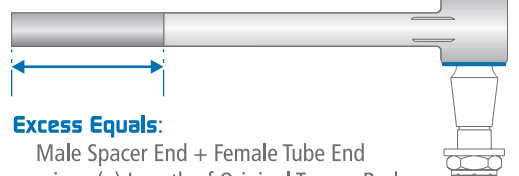
CAUTION

BE SURE TO WEAR PROPER EYE, AND HEARING PROTECTION AND USE PROPER PERSONAL CLOTHING PROTECTION WHEN PERFORMING STEPS 3 AND 4.

3. Remove the excess male spacer end using abrasive cutting or sawing methods. End face of the male spacer end should be cut square. DO NOT use flame or arc cut methods.
4. Remove all grease, oil, rust or oxides from the metal surfaces to be welded by grinding, filing or power brushing.

NOTE: Refer to URO Technical Publication U-TP102 (Welding instructions) available online at www.uroproducts.com

FIGURE 4



Excess Equals:

Male Spacer End + Female Tube End
minus (-) Length of Original Torque Rod