



DATE	PRODUCT	SUBJECT
FEBRUARY 2017	TORQUE RODS	TORQUE ROD BUSHING INSPECTION

## Torque Rod Bushing Inspection

Prior to conducting any work, review and follow all applicable installation, preventive maintenance, service and safety instructions issued by the respective vehicle and suspension manufacturers. Also refer to additional URO publications available online at [www.uroproducts.com](http://www.uroproducts.com)

All torque rods need to be inspected during preventive maintenance and service for looseness by one of the following methods.

- **Method 1 – For On-highway Tractor Applications ONLY.** With brakes applied, slowly rock the empty vehicle with power. Off to the side of the vehicle, have a second technician visually check the action at both ends of the torque rod.
- **Method 2 –** With the vehicle shut down, a lever check can be made with a long pry bar (36") placed under each torque rod end and pressure applied.

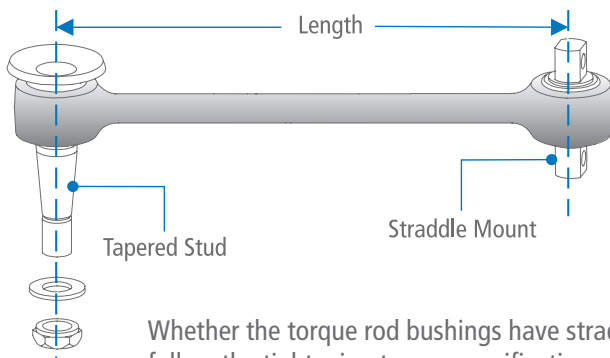
**Visually inspect torque rod bushings** for torn, shredded rubber or polyurethane material interface, inspect for bent, cracked or broken torque rods and for torque rod end hubs that have an elongated oval shape. The torque rod and or torque rod bushings will require replacement if any of these conditions are encountered.

**Torque Rod Length** is determined by the original vehicle manufacturer for optimum drive line angles. The longitudinal torque rods control these angles and also absorb acceleration and braking forces. The mounting brackets at the axle ends of the torque rods are furnished and welded into position on the axle housings by the axle manufacturer. URO provides

both a standard-duty and a heavy-duty two-piece torque rod that is available to cut and weld to the desired length.

**Whether the torque rod** is equipped with straddle, taper stud or hollow mount bushings, they can be replaced by pressing out the worn components and installing URO polyurethane cartridge bushings.

**Torque rod ends and attaching fasteners** are furnished by the vehicle manufacturer. It is important that the tightening torque of the locknuts be checked during preventive maintenance and service.



Whether the torque rod bushings have straddle, taper stud or hollow mounts, follow the tightening torque specifications and all other applicable installation, preventive maintenance, service and safety instructions issued by the respective vehicle and suspension manufacturers.

**NOTE:** Grade 8 bolts and Grade C locknuts and hardened washers must be used for all straddle mount torque rod type attachments.

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