TECHNICAL PUBLICATION

DATE	PRODUCT	SUBJECT
MARCH 2017	TRANSVERSE TORQUE RODS	GUIDELINES

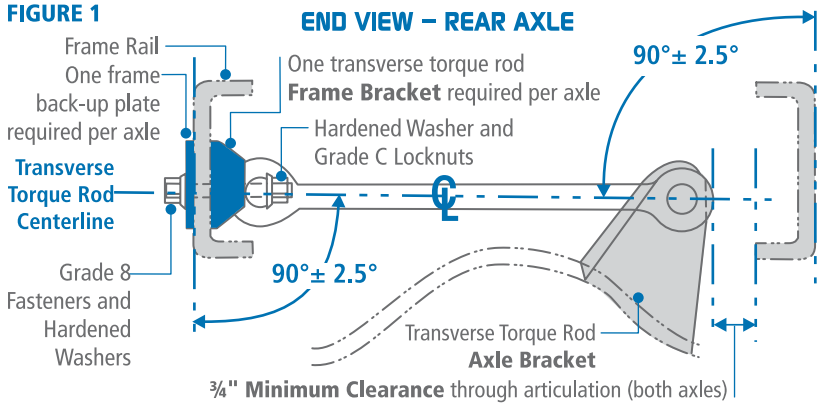
Transverse Torque Rod Guidelines

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

In general, transverse torque rods are recommended where it is necessary to restrict the lateral movement of axles to prevent interference of the tires, brakes, axle housings, etc. with the frame, body or suspension components. The proper clearance is determined by the vehicle manufacturer prior to vehicle assembly.

NOTE: URO recommends that Grade 8 bolts, Grade C locknuts and hardened washers be used for all transverse torque rod attachments.

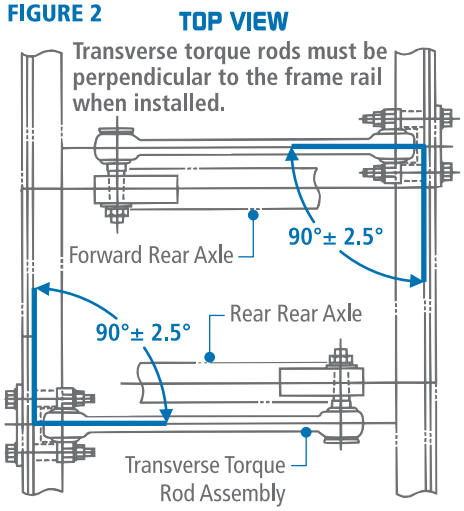
FIGURE 1



- With the vehicle at loaded ride height, the transverse torque rod horizontal centerline should have a 90° angle ± 2.5° with respect to the frame rail, see Figure 1.
- URO recommends the transverse torque rod frame brackets are mounted to the frame rails and located as close as possible to the bottom frame rail flange or if necessary, the top frame rail flange, see Figure 1.
- Frame back-up plates are required with transverse torque rod brackets, see Figure 1. Follow all guidelines and instructions issued by the respective vehicle and suspension manufacturers.
- Transverse torque rods should be positioned as low as possible to the horizontal centerline of the axle, but high enough not to interfere with any axle components during suspension articulation.
- Install transverse torque rods perpendicular to the frame rails 90° angle ± 2.5° to the frame rails as depicted in Figure 2.

NOTE: A vehicle with transverse torque rods installed may experience some reduction in suspension articulation or an increased lateral stiffness and turning resistance especially with radial ply tires.

FIGURE 2



URO does not set specifications for transverse torque rods or for the transverse torque rod axle brackets for particular vehicles or applications due to many variations in axle bracket heights or footprints, axle combinations, frame widths and suspension ride heights. Refer to the respective vehicle and suspension manufacturers for applicable component specifications.

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