



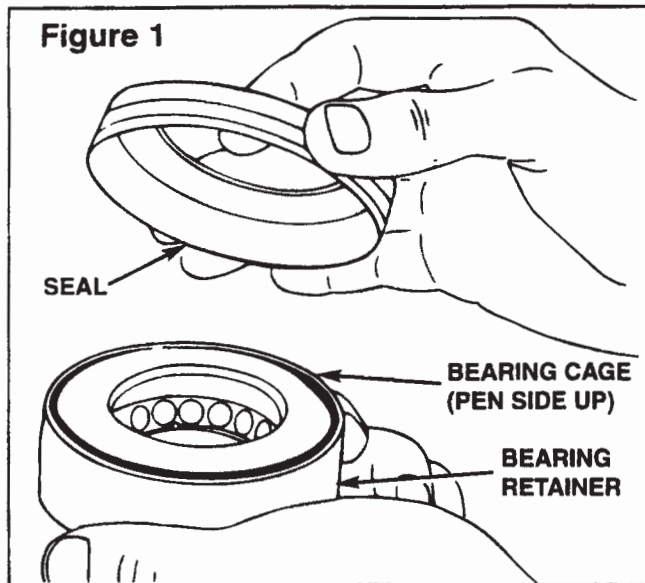
TECHNICAL BULLETIN

Installation of Integral Thrust Bearing Meritor Non-Drive Front Axles

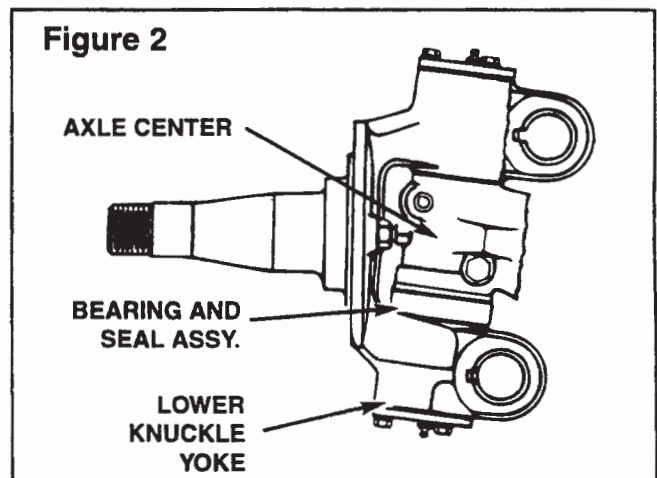
Some of the thrust bearings used in front axles have the word "TOP" stamped on the flat face of the bearing retainer. The stamped word "TOP" should *not* be used for bearing installation purposes. Refer to the following instructions for proper bearing positioning.

Front Axles with Thrust Bearing Seals

Hold thrust bearing with the opening between the bearing cage and the retainer up. Then snap the seal securely over the opening, as shown in **Figure 1**.



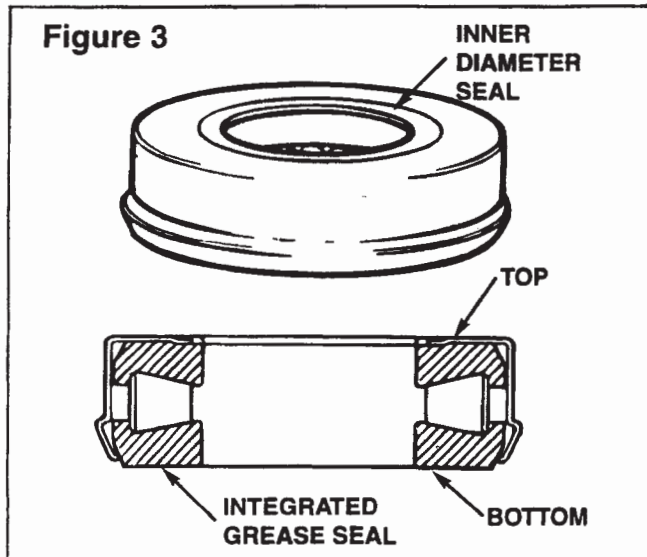
With the seal positioned on top of the thrust bearing, slide the bearing and seal assembly between the lower face of the axle center and the upper face of the lower knuckle yoke. See **Figure 2**.



IMPORTANT: On axles with thrust bearing seals, the seal must always cover the opening between the bearing cage and retainer. Always install bearing and seal assembly in axle with seal on top.

Before installing the integral thrust bearing and seal, note the following:

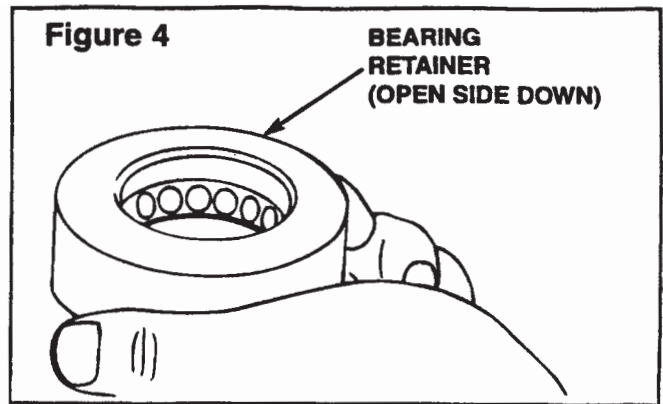
- The one-piece bearing with an integrated grease seal is completely interchangeable with the two-piece design. It has a specific top and bottom orientation.
- The surface with the *inner* diameter seal must be on top.
- The surface with the *outer* diameter seal must be on the bottom. **Figure 3.**



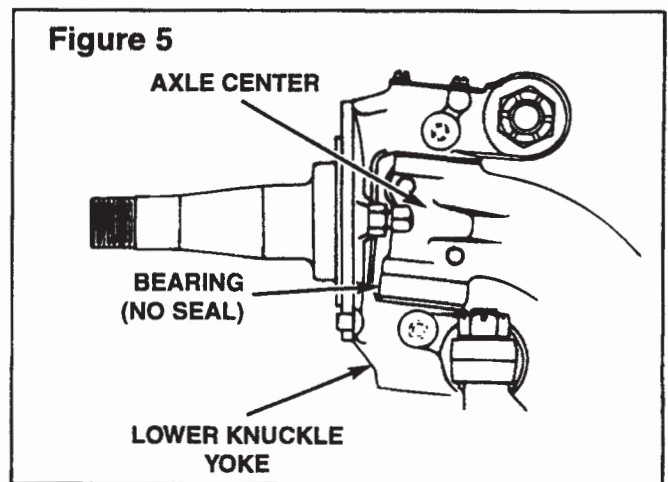
- Be sure that the integrated grease seal on the bottom of the integral bearing is in contact with the axle beam.

Front Axles Without Thrust Bearing Seals

Hold thrust bearing with closed retainer face up and the opening between the bearing cage and retainer down as shown in **Figure 4.**



With the open side facing down, slide the bearing between the lower face of the axle center and the upper face of the lower knuckle yoke. See **Figure 5.**



IMPORTANT: On front axles without thrust bearing seals, the bearing should always be installed in the axle with the closed retainer face up and the cage face (with the opening) downward.

For all other non-drive front axle information, refer to Meritor Field Maintenance Manual No. 2.



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