



Technical Bulletin

Meritor Wheel Seal Installation Instructions

Hazard Alert Messages

Read and observe all warnings and caution hazard alert messages in this publication. They provide information that can help prevent serious personal injury, damage to components, or both.

⚠ WARNING

To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.

Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving. Support the vehicle with safety stands. Do not work under a vehicle supported only by jacks. Jacks can slip and fall over. Serious personal injury and damage to components can result.

Seal Installation Instructions

Use the following instructions to install a new Meritor wheel seal.

NOTE: To order additional parts, call 888-725-9355. For more information about Meritor products, call 866-OnTrac1 (668-7221).

1. Ensure the hub seal bore is free of rust, dirt, scratches and sharp edges. Use Emery cloth to remove the imperfections on the surface.
2. Apply lubricant to the inner diameter (ID) and outer diameter (OD) of the seal.
3. Wipe off any excess lubricant with a cloth.
4. Install the wheel seal into the hub using the correct Meritor hub seal driver. It is important that the seal bottoms out evenly in the bore. Figure 1.

NOTE: The installed depth should be equal around the entire circumference.

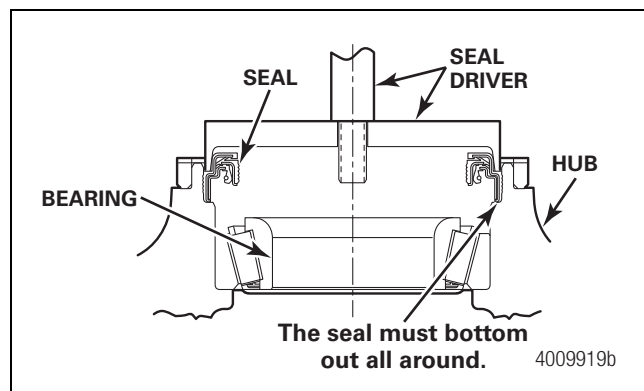


Figure 1

5. Ensure the seal turns freely in the hub before installing the hub onto the spindle.

⚠ CAUTION

The seal collar on the axle spindle must be thoroughly cleaned down to the bare metal before the hub is installed. If spindle is not clean, the gritty surface can damage the sealing lips of the new seal and prevent correct piloting of the seal onto the spindle and reduce the seal's performance.

6. Clean the seal mating surface on the axle spindle to ensure it is free of rust, dirt, scratches and sharp edges. It is critical that the seal collar, where dirt and grime build up, be thoroughly cleaned with Emery cloth so that the bare metal is showing before installing the new seal. Figure 2.

NOTE: The sealing surface on the spindle may extend beyond the seal/wear area where the previous seal contacted the spindle surface.

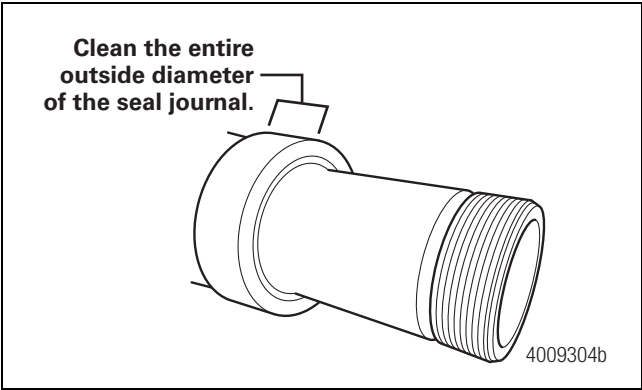


Figure 2



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