



MERITOR®

Service Parts Instructions

Converting Grease-Lubricated Wheel Ends to Oil-Lubricated Wheel Ends Using KIT-6608

71000 Series Rear Drive Axle Assemblies with EX225H Disc Brakes

Hazard Alert Messages

Read and observe all Warning 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.

How to Obtain Additional Maintenance, Service and Product Information

Refer to Maintenance Manual 23A, Bus and Coach Rear Drive Axles. To obtain this publication, visit Literature on Demand at meritor.com.

How to Obtain Kits

Contact a Meritor Aftermarket Parts representative in Florence, KY at 859-525-3500, ext. 5650.

KIT-6608

KIT-6608 includes the following parts.

- Hub seal, part number A 1205L2716, quantity 2
- Gasket, part number 2208W335, quantity 2

Overview



This instruction guide provides procedures for converting grease-lubricated wheel ends on 71163KX42 Series rear drive axle assemblies to oil-lubricated wheel ends using KIT-6608.

Procedures

Remove the Hub

1. Wear safe eye protection. Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving.
2. Use a jack to raise the vehicle so that the wheels to be serviced are off the ground. Support the vehicle with safety stands.
3. Remove the tire and wheel assembly.
4. Remove the axle shaft from the wheel end. Remove the hub assembly according to the procedures in Maintenance Manual 23A. Discard the outer seal. This seal is only necessary for grease-lubricated hubs.
5. Clean out the grease from the hub cavity and the outer wheel bearing cone.
6. Remove the hub seal from the hub and discard it.

Install the Hub

1. Install the new hub seal included in the kit.
2. Reinstall the hub assembly according to the procedures in Maintenance Manual 23A. Repack grease to the inner wheel bearing cone during installation.
3. Install the axle shaft using the new gasket included in the kit. Refer to Maintenance Manual 23A for complete procedures.
4. Fill the axle housing with the recommended oil until the oil level is even with the bottom of the fill plug hole. Install and tighten the fill plug to 35 lb-ft (47 N•m). 
5. Reinstall the tire and wheel assembly.
6. Drive the vehicle in tight left and right turns to allow oil to move from the housing bowl section to the wheel end.
7. Refill the housing as necessary until the oil level is even with the bottom of the fill plug hole. Install and tighten the fill plug to 35 lb-ft (47 N•m). 



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