

SERVICE INFORMATION BULLETIN

Subject:
PROPER MAINTENANCE PROCEDURES FOR GREASE LUBRICATED FRONT AXLES

1. RELEVANT MODELS:

2005 and newer conventional models with grease lubricated front axles.

2. INFORMATION:

Per 2005 and 2006 Owner's Manual, please ensure that wheel bearing grease is repacked at every 36,000 miles (60,000 km) or 12-month interval.

3. PROCEDURE:

NOTE: This procedure applies to hubs with grease lubricated wheel bearings.

- A) Park the vehicle on a level surface. Block the wheels to keep the vehicle from moving. Set the parking brake.
- B) Remove the tire and wheel assembly. Remove and disassemble the hub. Refer to "Wheel Ends", "Removal"
(See Front Non-Drive Steer Axles; Meritor Maintenance Manual)
- C) Remove the old lubricant from all parts. Discard the seals. Inspect the wheel bearings for wear or damage. Replace worn or damaged bearings. Refer to "Wheel Bearings", "Inspection"
(See Front Non-Drive Steer Axle; Meritor Maintenance Manual)
Replace if necessary. 2005 and 2006 Owner's Manual calls for wheel bearing inspection at every 30,000 miles (50,000 km) / 12 month service interval.

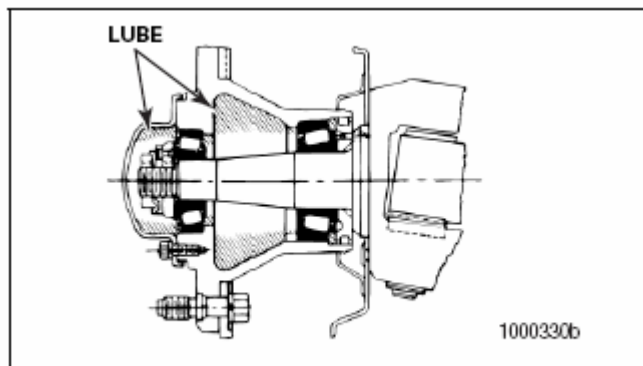


Figure 9.9

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Note: Ensure that greased used is of the type authorized by Meritor; Wheel Bearing Grease (MIL-G10942B/18709A or N.L.G.I's No.2 LITHIUM-SOAP Per Owners Manual

- D) Force the specified lubricant from the large end of the cones into the cavities between the rollers and cage. Pack the hub between the bearing cups with lubricant to the level of the smallest diameter of the cups. See Figure 9.9.
 - E) Install the inner and outer bearing cones into the cups in the hubs. The bearing cups must be pressed tight against the shoulder in the hubs.
 - F) Install new wheel seals into the hubs. The special tool Wheel-End Seal Driver for The MFS-6 Axle should be used to ensure proper seal installation. The seal Contains a spring which can be dislodged under circumstances of uneven installation. A dislodged spring results in seal failure leading to grease contamination. (See Meritor Maintenance Manual)
 - G) Install the hub, wheel and tire assembly. For hub assembly, please ensure squareness of inner grease seal relative to spindle when mounting the hub onto the spindle. The hub should be supported without flopping/tilting on spindle prior to seating the outer wheel bearing. A new seal should be used for each instance of axle assembly. Install the outer wheel bearing cone into the hub. Install the adjusting nut.
 - H) Adjust the wheel bearings. Please ensure correct torquing process of adjusting nut.
 - 1. Initial Adjusting Nut Torque: 100 ft-lb while rotating tire at least 5 complete turns, followed by backing off by 1 whole turn so as to properly seat bearings.
 - 2. Final Adjusting Nut Torque: 20 ft-lb while rotating tire at least 5 complete turns, followed by backing off by 1/3 of a turn.
 - 3. Confirm axle end play of 0.001 to 0.005 inches. If outside of range, please readjust per manual (See Front Non-Drive Steer Axles; Meritor Maintenance Manual)
- 2005 and 2006 Owner's Manual calls for wheel bearing endplay inspection at every 30,000 miles (50,000 km) / 12 month service interval.

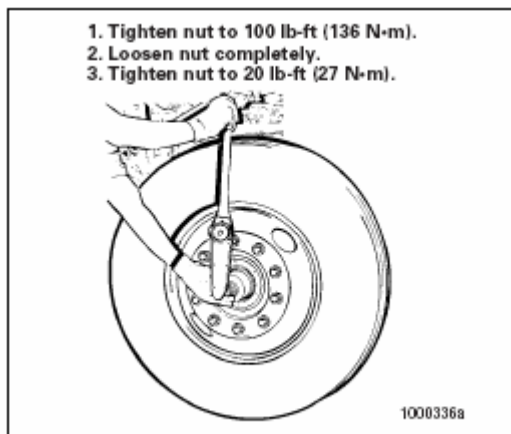


Figure 7.4

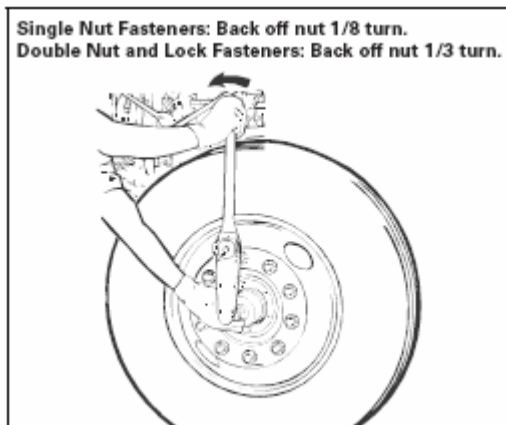


Figure 7.5

If above procedures are not followed, wheel bearing failure may result.