

Meritor Front Drive Steer Axles

MERITOR MX-810 SERIES FRONT DRIVE STEER AXLE INSPECTION

Hazard Alert Messages

Read and observe all hazard alert messages in this publication.

DANGER

Indicates imminent danger. Failure to follow this instruction will result in death or serious injury.

WARNING

Indicates a possibly impending danger. Failure to follow this instruction can result in death or serious injury.

CAUTION

Indicates a hazardous situation or unsafe practice which, if not avoided, could result in injury or damage to components.

How to Obtain Additional Maintenance, Service and Product Information

Refer to [Maintenance Manual MM-16125, MX-810 Series Front Drive Steer Axle](#). For this and other publications, visit [Literature on Demand at Cummins.com](#).

Contact the Meritor OnTrac™ Customer Service Center

If you have questions about the procedures in this bulletin, contact the Meritor OnTrac™ Customer Service Center at 866-668-7221 (US and Canada) between 7:30 AM and 10:00 PM ET Monday through Friday, and between 9:00 AM and 6:00 PM ET on Saturday; 001-800-889-1834 (Mexico); or visit our website: www.cummins.com/components/drivetrain-systems/warranty.

Purpose

The purpose of this bulletin is to provide instructions for inspecting Meritor MX-810 series front drive steer axles to determine if the correct thrust bearing is installed.

Safety Precautions

Before performing the procedures in this publication, read and understand the following safety precautions.

DANGER

Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving. Support the vehicle with safety stands NEVER work under a vehicle supported only by jacks. Jacks can slip and fall over. Failure to use safety stands can result in death or serious personal injury and damage to components.

WARNING

To prevent eye injury, always wear eye protection when performing vehicle maintenance or service.

Inspection

1. Park the vehicle on a level surface. Set the parking brake. Block the wheels to prevent the vehicle from moving.
2. Turn the front wheels to access the backside of the driver side wheel end for inspection. Figure 1.

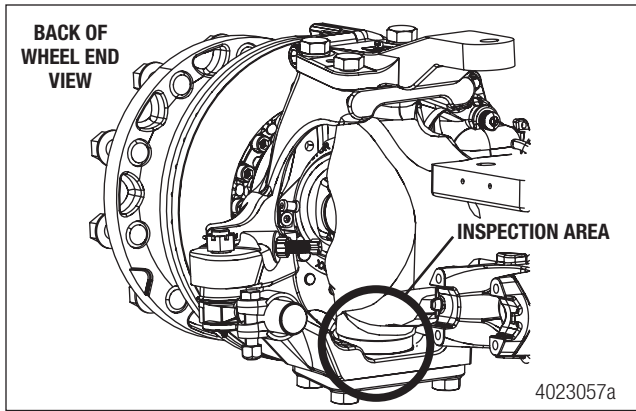


Figure 1

3. Use appropriate tools to clean the front axle knuckle lower area of grease, road debris or cement residue to allow clear inspection of the area.
4. Inspect the lower king pin area to determine if the correct thrust bearing is installed. The correct thrust bearing will be full height with no gap between the thrust bearing and the lower king pin bore, and will have a metal cover. Figure 2.

To help determine if the thrust bearing is correct, use a screwdriver to push against the thrust bearing to see if it moves side-to-side or has a non-metal cover. If the thrust bearing moves or has a non-metal cover, and has a gap, the thrust bearing is incorrect. Figure 3 and Figure 4.

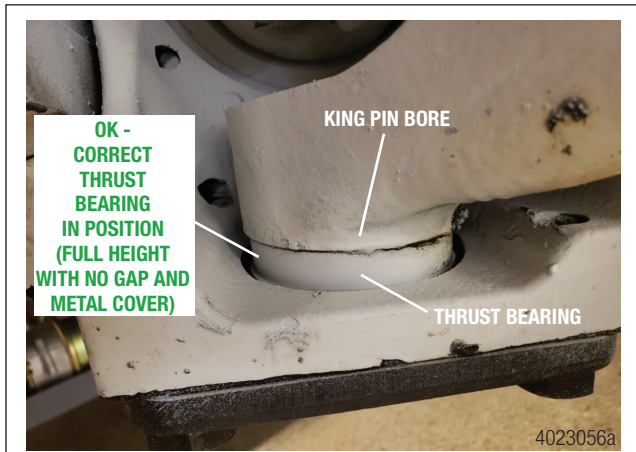


Figure 2

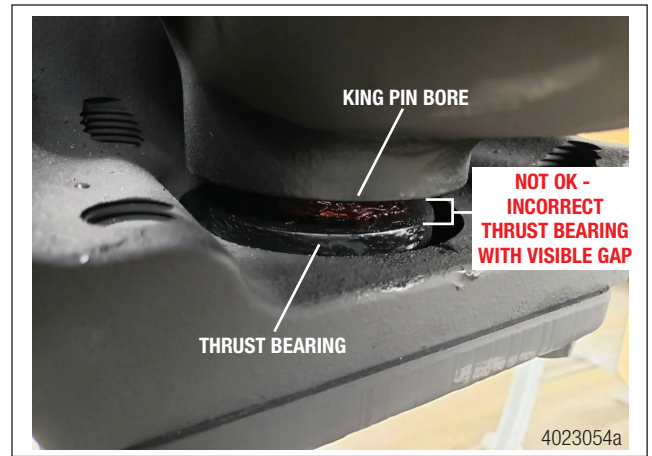


Figure 3

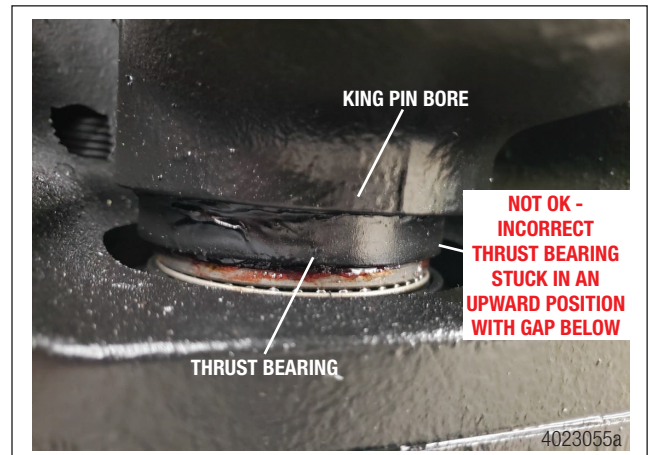


Figure 4

5. Repeat the inspection on the passenger side wheel end.
6. If the inspection reveals an incorrect thrust bearing, contact Meritor OnTrac at 1-866-OnTrac1(1-866-668-7221) or ontrac@meritor.com to open a case and receive further instructions.



Meritor Heavy Vehicle Systems, LLC
 2135 West Maple Road
 Troy, MI 48084 USA
 866-OnTrac1 (668-7221)
meritor.com

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