



SEP 29 2017

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Chris Lee  
Great Dane  
131 Technology Circle  
Savannah, GA 31407

## IMPORTANT SAFETY RECALL

**NOTICE:** Defect Information Report, in accordance with 49 CFR §573.6, concerning Trailer Axles & MPA/MTA Suspensions found to have caliper bolts that did not meet torque specifications. The axles were built between January 1, 2017 and August 4, 2017.

Meritor File: C17AB

NHTSA File: 17E049

Dear CUSTOMER CONTACT:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Meritor, Inc. ("Meritor") has decided that a defect which relates to motor vehicle safety exists in certain Meritor Trailer Axles & MPA/MTA Suspension. The axles were assembled at our Meritor Frankfort site between January 1, 2017 and August 4, 2017.

### **Description of Defect**

Trailer Axles & MPA/MTA Suspensions found to have caliper bolts that did not meet torque specifications. The suspect axles & suspensions were assembled at the Meritor Frankfort site between January 1, 2017 and August 4, 2017.

### **NHTSA Notification & Safety Recall Obligations**

According to our records, affected units were shipped to your company. If those units were installed as original equipment on vehicles manufactured at your facility, and you agree that they contain a safety defect, your company must notify the National Highway Traffic Safety Administration (NHTSA) within 5 business days and conduct a safety recall of those vehicles. It is critical that the NHTSA guidelines are followed in a timely manner and that your customers are notified to conduct the remedy described below.

**IMPORTANT:** Some of the affected vehicles may still be in your inventory. Federal law requires you to complete the recall service on these vehicles before delivery. Meritor will provide replacement or repair for these units prior to delivery to your customers.



### **Parts, Labor and Handling Allowance**

The following are the details of allowances relating to parts, labor and handling available to vehicle manufacturers' (OEM):

- Administration (per trailer regardless of number of axles) – 0.25 hours
- Inspection and torque (per axle) – 0.75 hours
- Remove and, if applicable, replace caliper – 1.25 hours
- Replace rotor (including removing hub and replacing wheel seal) – 1.25 hours
- Replace torque plate – 0.5 hours

### **Claims for Credit**

Meritor will accept warranty claims for inspecting, tightening, and replacement of any resultant component damage associated with this notice directly from the vehicle manufacturers (OEM). To obtain credit for the claim; the repair facility should file with its OEM and the OEM will reimburse the repair facility for the work. Meritor will reimburse the OEM through its standard warranty process.

In order to receive proper credit, such warranty claims must contain the following information at the time of submission:

- Reference to Meritor Campaign ID Number: C17AB
- Reference to NHTSA Campaign ID Number : 17E049
- Reference to the vehicle manufacturer's campaign number (optional)
- 17-digit vehicle identification number (VIN)
- Vehicle owner's name, address, and telephone number
- Vehicle in-service date
- Vehicle repair date
- Vehicle mileage at the time of repair
- Dealer work order number
- Repairing facility name, address, and telephone number
- Total labor hours required performing the work, not to exceed agreed formula
- Repair facilities hourly rate
- Tracking number for shipment of returned material

Failure to provide complete information will delay processing of the warranty claim.

### Axle Serial Number List

CUSTOMER	PART NUMBER	CUSTOMER VIN	MERITOR SERIAL #
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915335
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915336
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915337
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915338
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915339
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915340
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915341
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915342
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915343
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915344
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915345
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915346
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915347
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915348
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915349
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915350
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915351
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915352
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915353
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915354
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915355
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FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915358
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915359
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915360
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915361
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915362
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FRK/BRAZIL/GD	MPA40S165TP2367		FRK02915364
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FRK/BRAZIL/GD	MPA40S165TP2367		FRK02924568
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02924569
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02924570
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02924571
FRK/BRAZIL/GD	MPA40S165TP2367		FRK02924572
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FRK/WAYNE/GD	MPA40S165TP2359		FRK02809896
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FRK/WAYNE/GD	MPA40S165TP2359		FRK02809898
FRK/WAYNE/GD	MPA40S165TP2359		FRK02809899



## Inspecting and Tightening Carrier Mounting Bolts

### Certain Trailers Equipped with Air 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.

#### **⚠ ASBESTOS AND NON-ASBESTOS FIBERS WARNING**

Some brake linings contain asbestos fibers, a cancer and lung disease hazard. Some brake linings contain non-asbestos fibers, whose long-term effects to health are unknown. You must use caution when you handle both asbestos and non-asbestos materials.

### How to Obtain Additional Maintenance, Service and Product Information

Refer to Maintenance Manual MM-0467, EX+™ Air Disc Brake. To access this publication, visit Literature on Demand at Meritor.com.

### How to Obtain Kits

Call Meritor's Commercial Vehicle Aftermarket at 888-725-9355.

Table A: Replacement Parts

Brake Model	Kit Number	Includes	Qty.
EX225L257CD000 and EX225L258CD000	KIT225225	41X1862 (50 mm M20 x 2.0-6g Grade 10.9) MWA 520P	6 6

Brake Model	Kit Number	Includes	Qty.
EX225L202CD000 and EX225L201CD000	KIT225226	41X1484V (60 mm M20 x 1.5-6g Grade 10.9) MWA 520P	6 6
Non-Meritor	KIT225261	MS220050AM 2 (50 mm M20 x 2.5-6g Grade 10.9) MWA 520K	6 6

## Inspecting and Tightening Carrier Mounting Bolts

This technical bulletin provides instructions for inspecting the carrier mounting bolts and tightening the bolts to the correct torque specification. This inspection only applies to certain axles on a limited number of trailers.

### Caliper Model Identification

#### Meritor EX+ Calipers

To identify Meritor EX+ calipers, remove the protective cap from the adjuster screw and look for the part number engraved in the metal plate (EX225...). Figure 1.

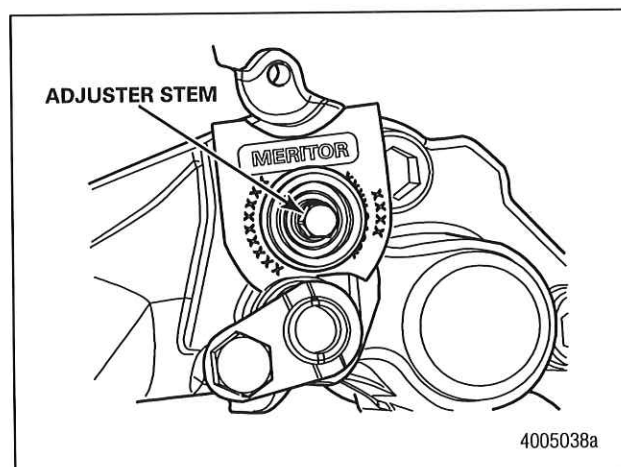





Figure 1

- **For Meritor EX+ air disc brakes:** Use a 30 mm-size socket to tighten the carrier mounting bolts to 400 lb-ft (542 N•m). Use the special torque adapter, part number 3256B1354, where needed for access to the mounting bolts. When using the special torque adapter, use the settings shown in Table B for torque compensation. Figure 6. 
- **For Bendix brakes:** Tighten the carrier mounting bolts to 350-400 lb-ft (475-542 N•m). 
- **For WABCO PAN-22 brakes:** Tighten the carrier mounting bolts to 270-310 lb-ft (366-420 N•m). 

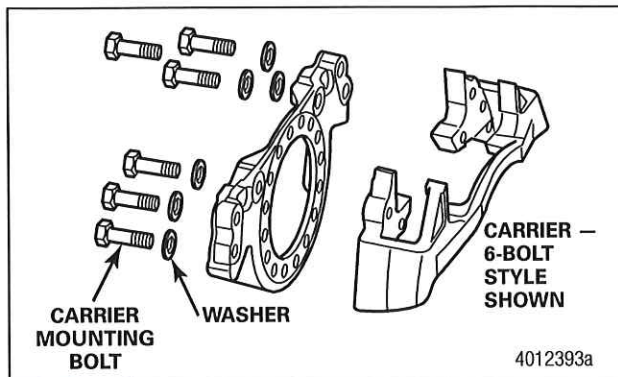





Figure 6

5. Use a white or yellow paint pen to mark the head of each bolt indicating that Step 4 has been completed.
6. When all of the caliper bolts at each wheel end have been inspected, remove the jack stands and lower the trailer.

## Caliper and Torque Plate Inspection

1. Raise the axle being serviced and support it with jack stands.
2. Remove the wheels.
3. Back off the caliper adjuster.
  - **For EX+ calipers:** Refer to Maintenance Manual MM-0467 for instructions.
  - **For non-Meritor calipers:** Refer to the appropriate manufacturer's service manual for instructions.
4. Remove the caliper.
  - **For EX+ calipers:** Refer to Maintenance Manual MM-0467 for instructions.
  - **For non-Meritor calipers:** Refer to the appropriate manufacturer's service manual for instructions.
5. Inspect the caliper and torque plate for damage.
  - **If damage is found:** Inspect the rotor, caliper and pads. Take clear photos of damage on all components for submitting to the Meritor OnTrac™ Customer Call Center. Replace damaged components.

- **If no damage is found:** Proceed to the next step.
6. Use the appropriate kit to replace all of the mounting bolts with new bolts and washers.
  7. Install the caliper.
    - **For EX+ calipers:** Refer to Maintenance Manual MM-0467 for instructions.
    - **For non-Meritor calipers:** Refer to the appropriate manufacturer's service manual for instructions.
  8. Use an appropriate-length torque wrench to tighten the carrier mounting bolts at all wheel end positions on the trailer.
    - **For Meritor EX+ air disc brakes:** Use a 30 mm-size socket to tighten the carrier mounting bolts to 400 lb-ft (542 N•m). Use the special torque adapter, part number 3256B1354, where needed for access to the mounting bolts. When using the special torque adapter, use the settings shown in Table B for torque compensation. 
    - **For Bendix brakes:** Tighten the carrier mounting bolts to 350-400 lb-ft (475-542 N•m). 
    - **For WABCO PAN-22 brakes:** Tighten the carrier mounting bolts to 270-310 lb-ft (366-420 N•m). 
  9. Use a white or yellow paint pen to mark the head of each bolt indicating that Step 8 has been completed.
  10. Readjust the pad-to-rotor clearance.
    - **For EX+ calipers:** Refer to Maintenance Manual MM-0467 for instructions.
    - **For non-Meritor calipers:** Refer to the appropriate manufacturer's service manual for instructions.
  11. Install the wheels per OEM guidelines.
  12. Remove the jack stands and lower the axle.

## Labor Time

Standard Repair Time (SRT)

- 0.25 hours – Administrative (per trailer regardless of number of axles)
- 0.75 hours – Inspection and torque (per axle)
- 1.25 hours – Remove and, if applicable, replace caliper
- 1.25 hours – Replace rotor (including removing hub and replacing wheel seal)
- 0.5 hours – Replace torque plate

Example: To inspect a sliding tandem axle set, the SRT would be 1.75 hours (0.25 + 0.75 + 0.75)

## To File a Claim

For questions or when the repair has been completed, contact the Meritor OnTrac™ Customer Call Center by phone at 1-866-OnTrac1 (668-7221) or via email at OnTrac@meritor.com.