



October 31, 2017

**IMPORTANT SAFETY RECALL**  
**NHTSA Recall# 17V-633**

Dear Wabash National Corporation Customer,

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

Wabash National Corporation (WNC) has decided that a defect which relates to motor vehicle safety exists in certain Meritor Trailer Axles & MPA/MTA Suspensions. The axles were assembled at the Meritor Frankfort, KY. site between January 1, 2017 and August 4, 2017.

A complete listing of your vehicles impacted by this recall, along with the manufacture's remedy, is included with this letter.

**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 KY. site between January 1, 2017 and August 4, 2017.

**Risk to Motor Vehicle Safety:**

Improperly torqued caliper bolts can lead to the caliper detaching from the mounting flange and loss of braking capability at that location, increasing the risk of a crash.

**Precautions You Should Take:**

Depending on looseness, visual inspection may detect caliper bolt issues. Otherwise, there are no symptoms that vehicle drivers will recognize relating to under torqued caliper mounting bolts.

**Remedy:**

Vehicles that potentially contain Trailer Axles & MPA/MTA Suspensions with suspected under torqued caliper mounting bolts, should be immediately removed from service and inspected as soon as feasible. The vehicle should be inspected by a manufacturer's authorized repair facility, using the provided Meritor bulletin TP-15141 to ensure all caliper bolts are properly torqued. If more than one bolt is found loose or missing, additional affected components will be inspected and replaced if needed per the bulletin. This program will be managed by Meritor, and will be at no expense to vehicle owners. 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

If this repair has been performed at cost to the owner prior to receipt of this notification, the owner may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall. For additional information, claim reimbursement, and or replacement parts, contact Meritor at the number and/or website address noted below.

Matt Elkins  
Matt.Elkins@meritor.com  
Technical Manager OnTrac Customer Service Center – Troy, MI  
Phone 248-435-5508 Fax 248.435.1393

If you are the lessor of this vehicle, please forward a copy of this notice to the lessee within 10 days to comply with federal regulations.

**Further Assistance:**

If you have additional questions regarding this recall, please contact us at:

Wabash National Corporation  
Warranty Department  
765-771-5404  
Monday – Friday, 7:00am – 4:00pm, ET.

**Communication:**

If you conclude that WNC has not enabled you to remedy this condition in a reasonable amount of time, you may also submit a complaint to:

Administrator  
National Highway Traffic Safety Administration  
1200 New Jersey Ave. S.E.  
Washington, D.C. 20590

-or-

Call the toll-free Vehicle Safety Hotline: 1-888-327-4236 (TTY: 1-800-424-9153)  
or go to <http://www.safercar.gov>

We regret any inconvenience that this situation may cause. Wabash national wants to assure you that we are concerned for customer safety and your continued satisfaction with our products.

Sincerely,

Jeremy Kuntz  
Quality / Warranty Manager  
Wabash National  
1000 Sagamore Parkway S  
Lafayette, IN 47905



## 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.

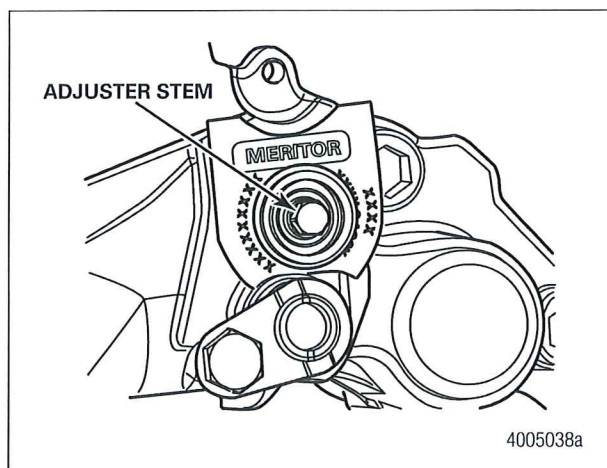


Figure 1

4005038a

## Non-Meritor Caliper

To identify non-Meritor calipers, refer to the appropriate manufacturer's service manual for the ID tag location.

## Inspection Procedure

1. Wear safe eye protection. Park the trailer on a level surface.
2. Raise the trailer by the ICC bar so that the axles drop down allowing access to the caliper mounting bolts. Support the trailer with jack stands.
3. Locate the carrier mounting bolts and check if any of the bolts are missing. Figure 2, Figure 3, Figure 4 and Figure 5.

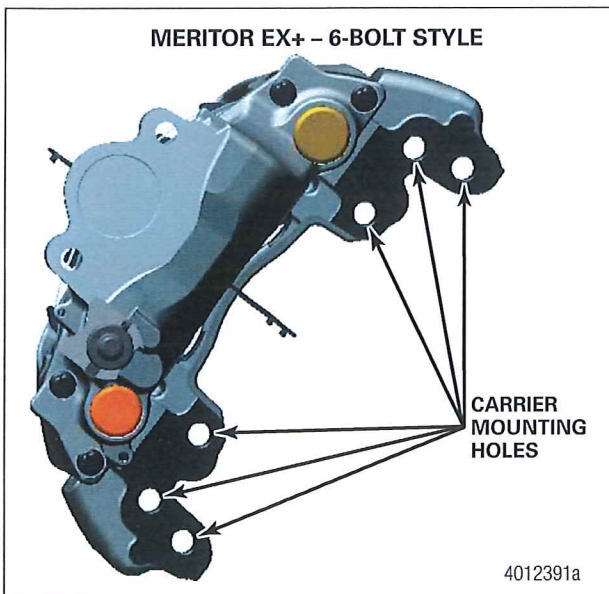


Figure 2

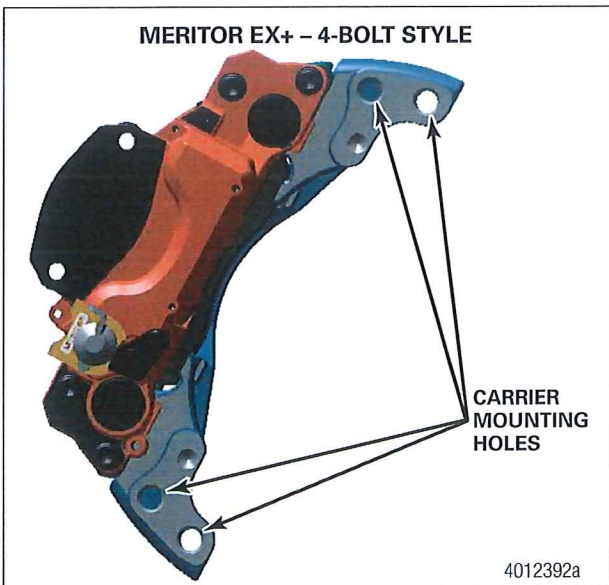


Figure 3

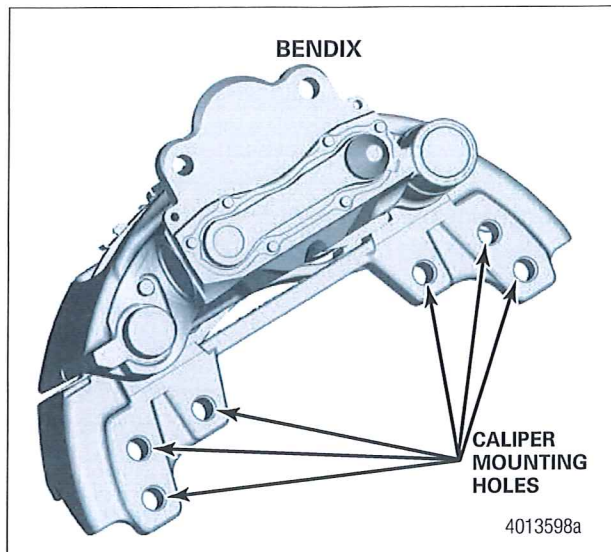


Figure 4

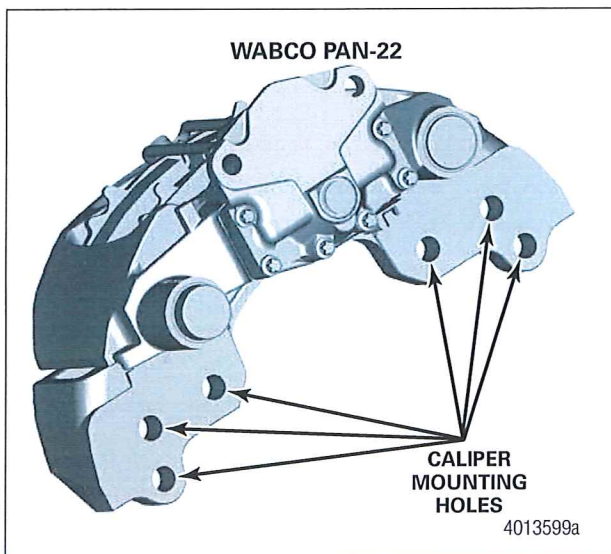





Figure 5

- If no bolts are loose (hand tight) or missing: Proceed to Step 4.
  - If one (1) bolt is loose (hand tight) or missing: Use the appropriate kit to replace all of the mounting bolts with new bolts and washers. Proceed to Step 4.
  - If more than one (1) bolt is loose (hand tight) or missing: Proceed to the "Caliper and Torque Plate Inspection" procedure in this publication.
4. 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. 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). 

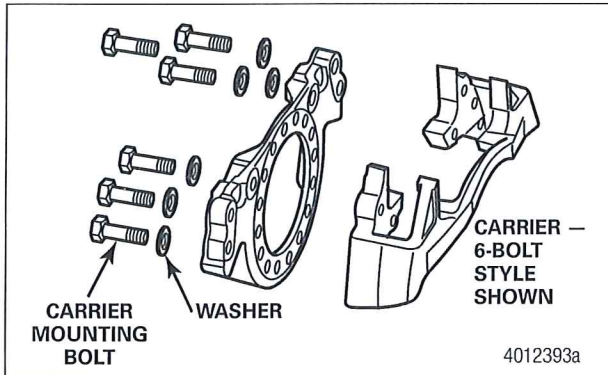





Figure 6

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

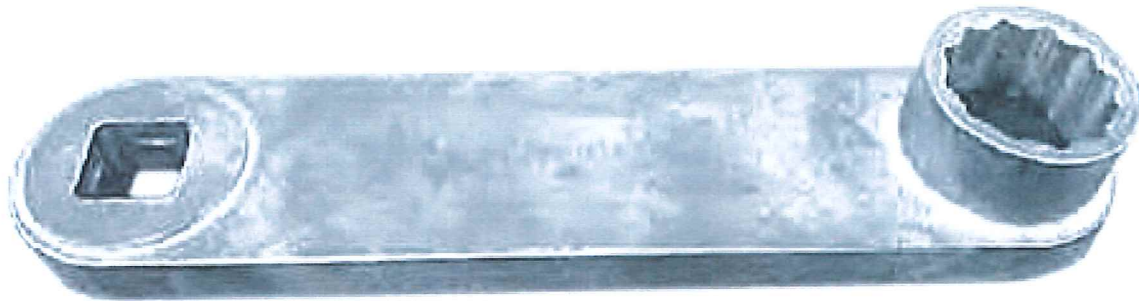
Example: To inspect a sliding tandem axle set, the SRT would be 1.75 hours (0.25 + 0.75 + 0.75)

## To File a Claim


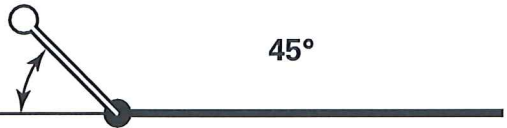
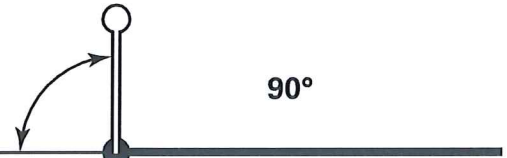

For questions or when the repair has been completed, contact the Meritor OnTrac™ Customer Call Center by phone at 1-866-OnTrac1 (668-7221) or via email at OnTrac@meritor.com.

Table B: Torque Compensation with Meritor Extension Tool 3256B1354

All torque settings are +/- 40 lb-ft (+/- 54 N•m)



4013581a

Angle View	Extension Angle (Degrees)	Wrench Length Inches (cm)	Target Torque Lb-Ft (N•m)	Tool Setting Lb-Ft (N•m)
 <p style="text-align: center;"><b>0°</b></p> <p style="text-align: right;">4013582a</p>	0	43.5 (110.5)	400 (542)	334 (453)
 <p style="text-align: center;"><b>45°</b></p> <p style="text-align: right;">4013583a</p>	45			364 (494)
 <p style="text-align: center;"><b>90°</b></p> <p style="text-align: right;">4013584a</p>	90			400 (542)
 <p style="text-align: center;"><b>135°</b></p> <p style="text-align: right;">4013585a</p>	135			444 (602)



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 meritor.com

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