

# SAFETY RECALL

Mack Trucks Inc.  
Greensboro, NC USA



---

Date	Number	Release	Page
03.2023	SC0441	01	1(4)

## Meritor Driven Steer Axle Fastener Inspection GR

### RECALL INFORMATION

(March 2023)

Mack Trucks has determined that certain 2023 model year GR vehicles build with a Meritor MX-810 driven steer axle could have under torqued fasteners on the axle assembly. On affected vehicles there is a potential risk that fastener securing the brake caliper to knuckle, steer arm to knuckle, lower king pin to knuckle, and tie rod to knuckle could fail resulting in a vehicle crash, property damage and/or personal injury.

Mack Trucks has not received any complaints or reports of vehicle crashes because of this safety issue; therefore, Mack considers this as a proactive measure to protect the public and Mack's customers from the potential risk associated with this defect.

To ensure that these vehicles meet Mack's stringent quality requirements, follow the instructions outlined below to check torques of certain fasteners and replace as necessary.

### VEHICLES AFFECTED

Certain Mack GR Models manufactured between March 16, 2022, and October 25, 2022.

### VEHICLE QUANTITY

There are 17 vehicles affected by this recall. (17 US)

### Parts

Hardware as needed  
Loctite 242 Adhesive (Loctite 243 or appropriate equivalent)

### Tools

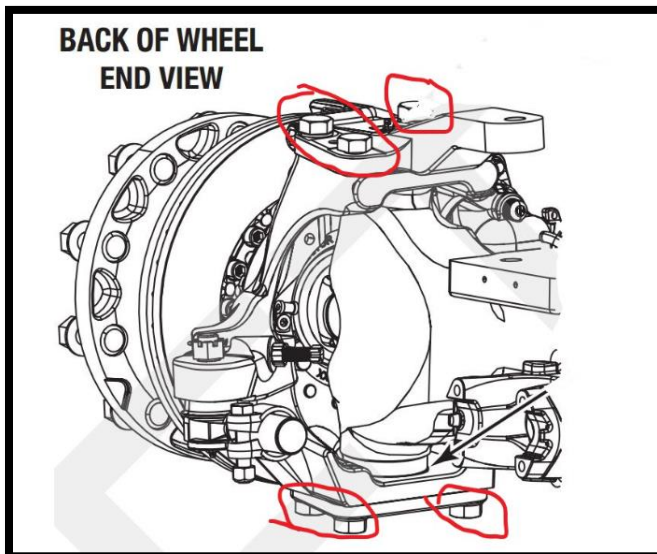
Steer Arm/Lwr King Pin Bolt	1-5/16" Socket
Caliper Bolts	17 mm Allen Bit
Tie Rod Castle Nut	1-9/32" Socket
Wheel Nut	33 mm/ 1-5/16
0-600 lb.-ft Torque Wrench	
0-200 lb.-ft Torque Wrench (optional)	

### Repair Instructions

#### Important Note!

Record Truck VIN number, vehicle mileage, axle serial number, repair date, technician name, and any bolts that were replaced.

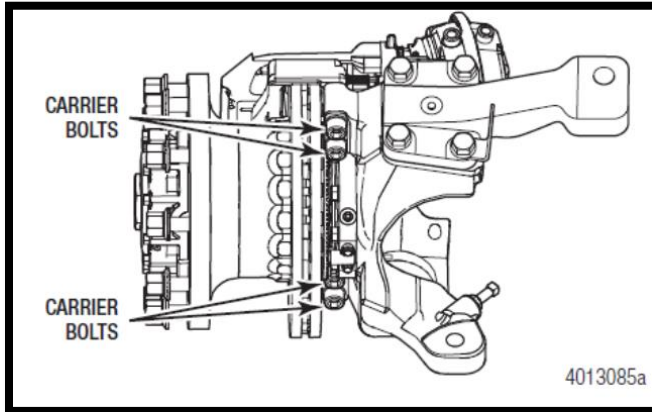
1. Secure vehicle for service.
2. Park the vehicle on a level surface.
3. Place the gear lever in neutral.
4. Install wheel chocks.
5. Lift & support the vehicle using jack stands.
6. Remove the tire and wheel assemblies on the steer axle.



7. Set torque wrench to **510 lb-ft (691 Nm)** and apply clockwise tightening rotation to each steer

arm /king pin bolt. (See above)

8. If any of the bolts turn, remove the fastener and replace with new one. Torque to **510 lb-ft (691 Nm)**.
9. Apply colored paint pen stripe across each bolt head as they are torqued.



10. Set torque wrench to **350 lb-ft (475 Nm)** and apply clockwise tightening rotation to each caliper hex fasteners.
11. If any of the hex fastener turn, remove and replace with a new fastener and torque to **400 lb-ft (542 Nm)**.
12. Apply colored paint pen stripe across each bolt head as they are torqued.
13. Remove the cotter pin from the cross-tube end castle nut.
14. Use a paint pen to mark the cotter pin hole alignment on the top of the ball stud head.
15. Set torque wrench to **120 lb-ft (163 Nm)** and apply clockwise tightening rotation. If the nut turns re-set the torque wrench to **150 lb-ft (203 Nm)** and check for cotter pin hole alignment with the castle nut.
16. Do not back the nut off, if necessary, continue to turn the nut in a clockwise tightening rotation until the castle nut and the cotter pin hole are aligned.
17. Install a new cotter pin and properly bend the ends locking the pin.
18. Reinstall the wheels and torque the nuts to specification.
19. Remove the jack stands and lower the truck.
20. Remove wheel chocks.
21. Release vehicle back to service.

#### Important Note!

If further assist is need for the repair, please visit the manufacturers service manual.

<https://graphicvillage.org/meritor/MM16125.pdf>

## REIMBURSEMENT

This repair is covered by an authorized Safety Recall. Reimbursement is obtained through the normal claim handling process.	
	<b>UCHP Reimbursement</b>
<b>Claim Type</b> (used only when uploading from the Dealer Business System)	40
<b>Recall Status</b>	
Vehicle repaired per instructions	1-Modified per instructions
<b>Labor Codes</b>	
<b>1720-16-09-01 Campaign, General (X40)</b>	4.0
<b>Causal Part</b>	24019943
<b>Authorization Number</b>	C6652

**Note:** Dealers are to perform Safety Recalls on all subject vehicles at no charge to the vehicle owner regardless of mileage, age of vehicle or ownership (original purchaser or subsequent purchasers). Whenever vehicles are subject to a Safety Recall are brought to your dealership for service, or taken into your dealership vehicle inventory, it is strongly recommended that every effort be made to perform the recall correction before the vehicle is sold or released to the owner.