



Date	Group	No.	Release	Page
3.2014	722	002	01	1(13)

Camelback Spring Cap, Modification CHU, CXU, GU, TD, LEU, MRU

FSB 722-002, Camelback Spring Cap, Modification

(March 2014)

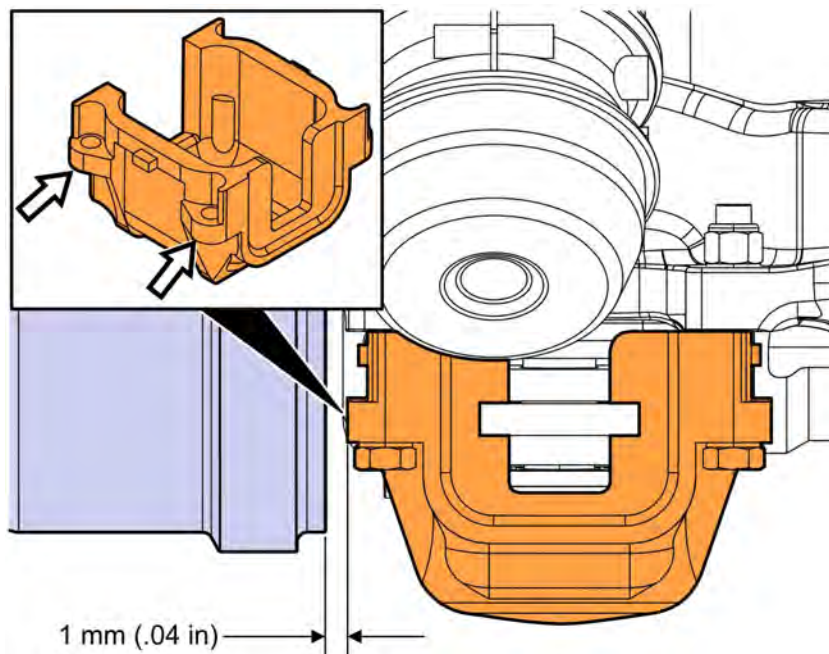
Interference between the brake lining and the spring cap was discovered on some MACK CHU, CXU, GU, TD, LEU, MRU trucks equipped with 203 mm (8 in) rear drum brakes and camelback rear suspension. The suspected trucks were built between 01/01/2007 and 04/01/2014. If there is a nominal clearance of 1 mm (.04 in) between the brake lining and the spring cap, there will be no signs of interference on the spring cap. Trucks with less than a nominal clearance of 1 mm (.04 in) will display signs of interference and require modification to the spring cap boss. The modification will include grinding excess material off of the spring cap boss until a nominal clearance of 1 mm (.04 in) is achieved.

Note: Confirm the part number of the spring cap is not the new part number (22330199) before proceeding with any modification to the spring cap.

Note: No more than 4 mm (0.16 in) of excess material should be removed from the spring cap boss.

Note: Clearly measure and mark the 4 mm (0.16 in) allowance prior to modifying the spring cap.

Note: This bulletin does not apply to MACK Trucks Australia.



W7088547

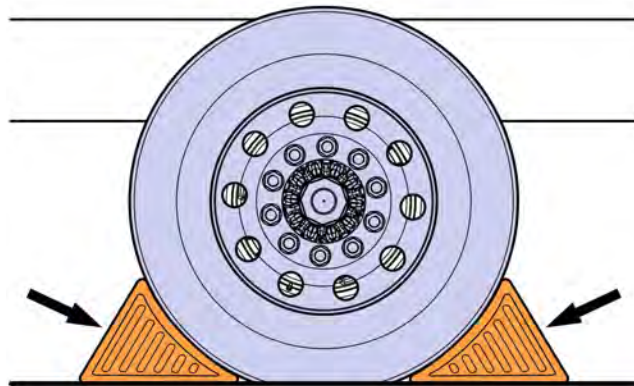
Spring Cap Inspection

You must read and understand the precautions and guidelines in Service Information, group 70, "General Safety Practices, Springs, Shocks and Wheels" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

DANGER

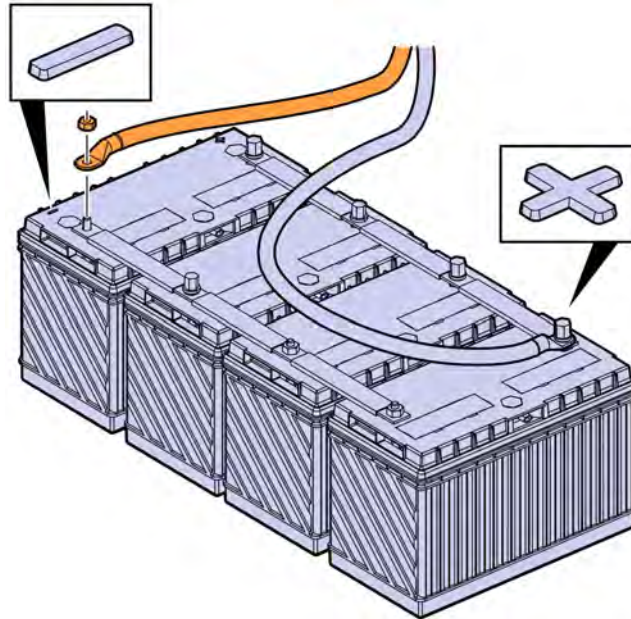
Do not attempt to repair or service this vehicle without having sufficient training, the correct service literature and the proper tools. Failure to follow this could make the vehicle unsafe and lead to serious personal injury or death.

- 1 Park the vehicle on a level surface.
- 2 Apply the parking brake.
- 3 Place the transmission in neutral or park.
- 4 Install the wheel chocks.



W7086748

- 5 Disconnect the cable from the battery's negative terminal.

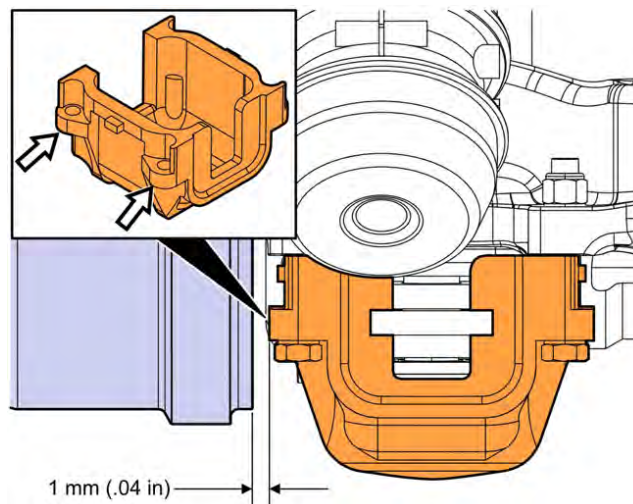


W3086747

- 6 Inspect each of the rear wheel ends for interference between the brake lining and the spring cap.

Note: A clearance of 1 mm (.04 in) between the brake lining and the spring cap passes inspection.

Note: A clearance of less than 1 mm (.04 in) between the brake lining and the spring cap fails inspection.



W7088547

- 7 Inspect the spring caps for part number.

Note: 25168110 (52QK418B) is the suspect part number.

Note: 22330199 is the new improved part number (do not modify).

- 8 Note which wheels failed inspection and require modification.

Note: If spring cap clearances are unacceptable and the part number is 25168110 (52QK418B), proceed to page 4, "Spring Cap Modification" for modification procedures.

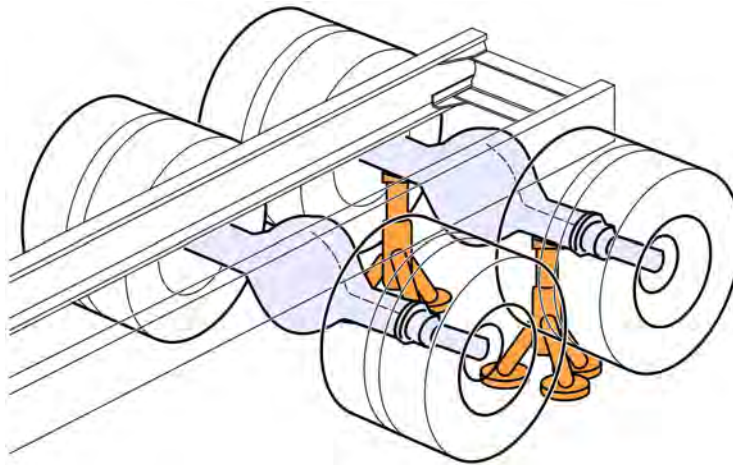
Note: If spring cap clearances are acceptable and the part number is 22330199, no further action is required.

Spring Cap Modification

- 1 Following safe lifting guidelines, lift and support the wheel end requiring modification with jack stands.

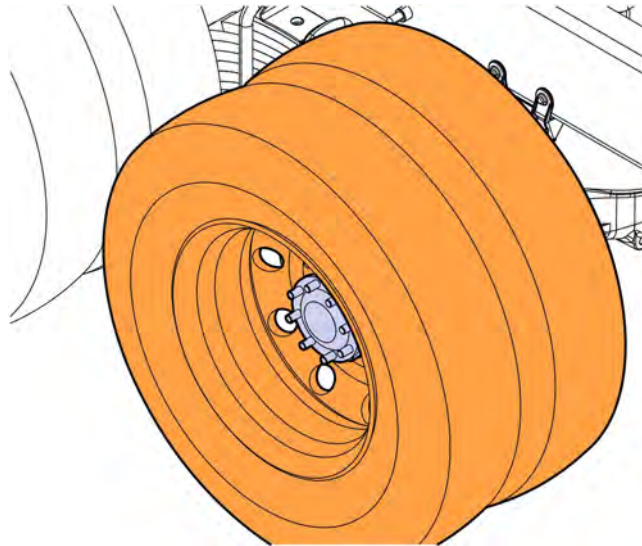
 **DANGER**

Failure to properly support the rear axle housing may result in the truck rolling forward or backward, causing serious injury or death.



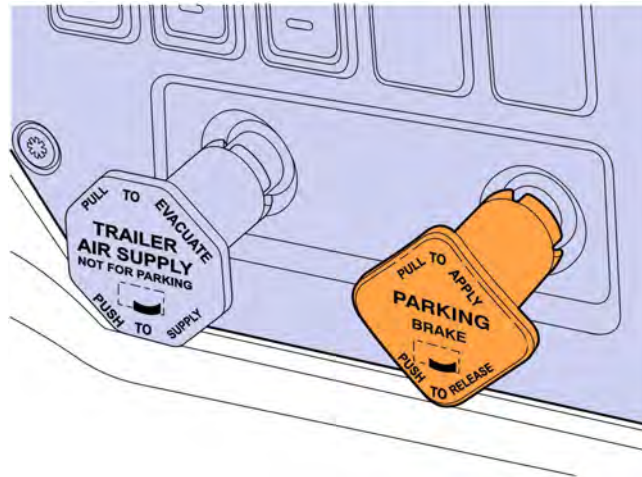
W7088594

2 Remove the wheels from the wheel end.



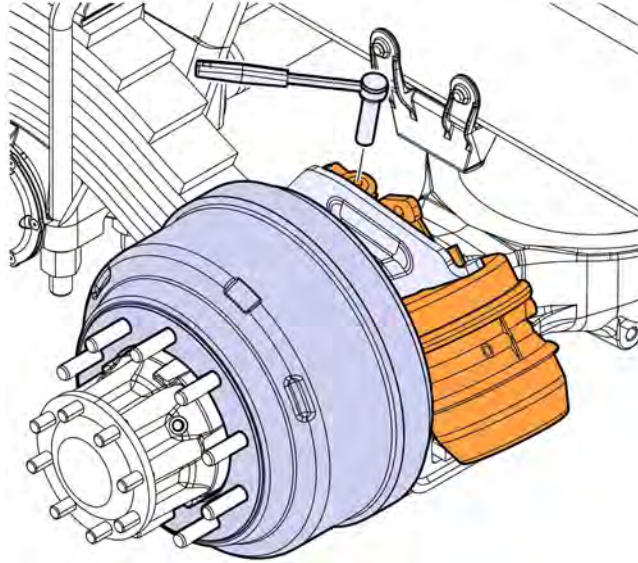
W7088548

3 Release the park brake.



W7088574

- 4 Back off the slack adjuster to ensure the brake drum can be removed.



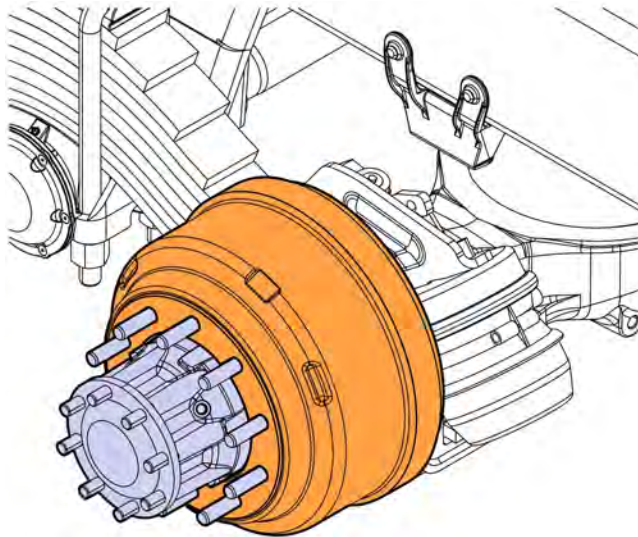
W7088854

- 5 Remove the brake drum.



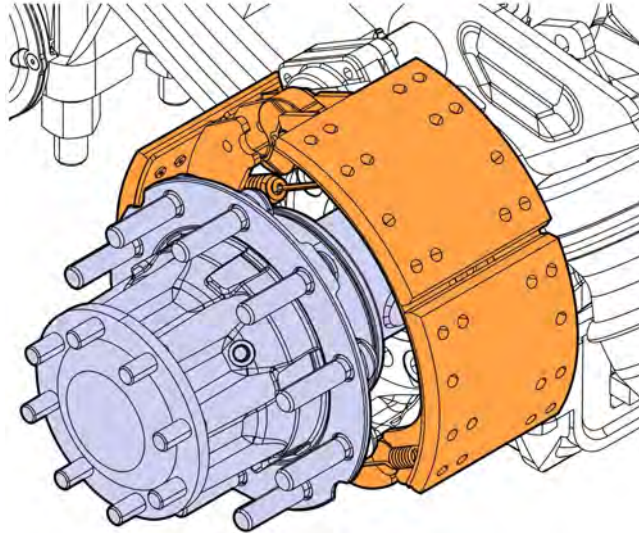
WARNING

Some brake linings contain asbestos fibers, which can pose a possible cancer hazard. When working around asbestos brake linings avoid creating dust and wear an approved dust mask or respirator.



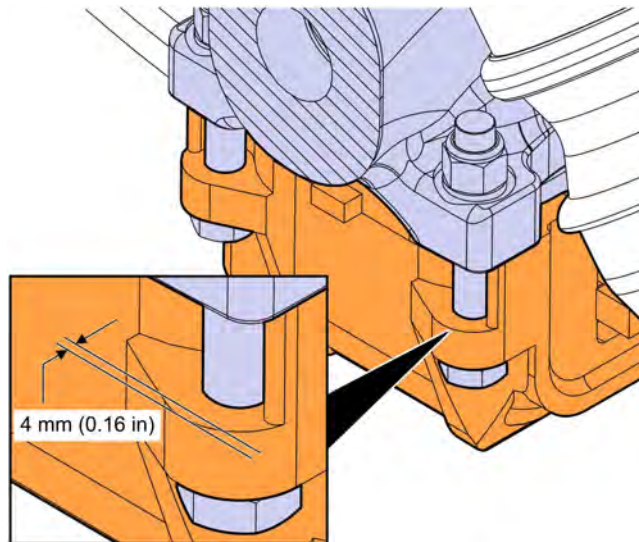
W7088550

- 6 Remove the brake shoes and mounting hardware.



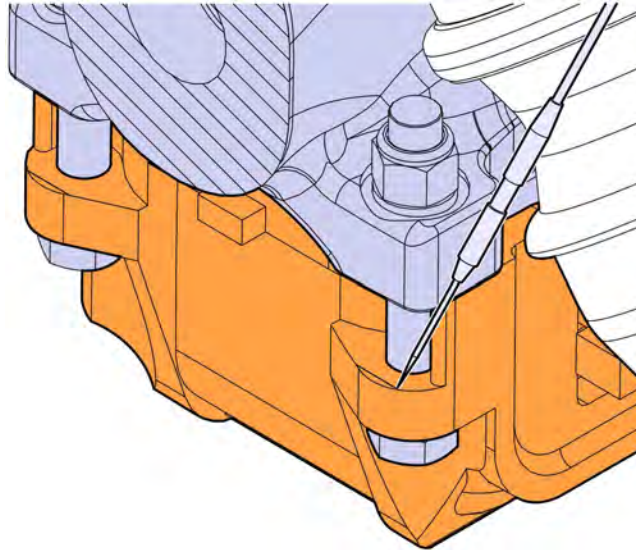
W7088551

- 7 Measure 4 mm (0.16 in) from the edge of the spring cap towards the center of the axle housing.



W7088552

- 8 Scribe a line at the distance of 4 mm (0.16 in) from the edge of the spring cap boss.



W7088553

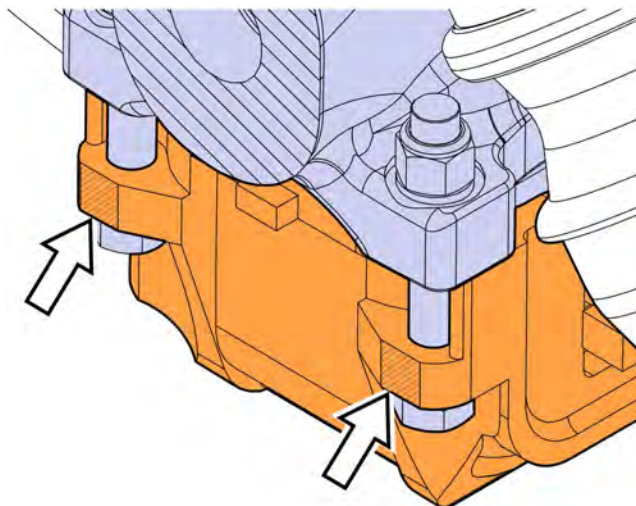
- 9 Grind no more than 4 mm (0.16 in) of material from the spring cap boss.



CAUTION

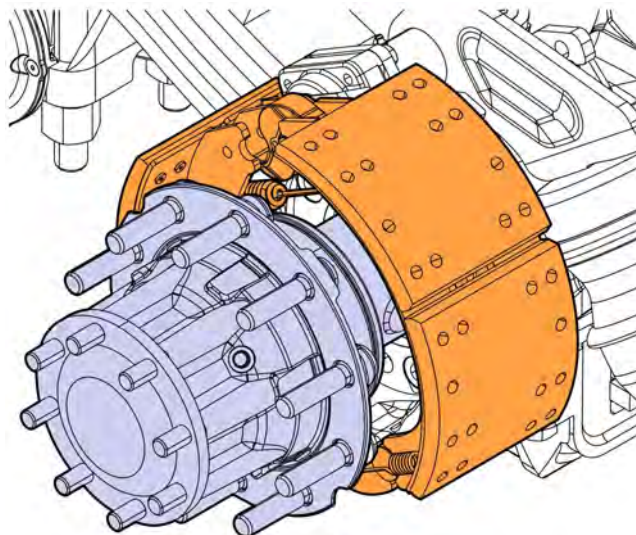
Grinding excessive material from the spring cap boss may result in a later failure due to a weakened spring cap.

- 10 Apply paint to the bare metal area of the spring cap boss to protect it from rust.



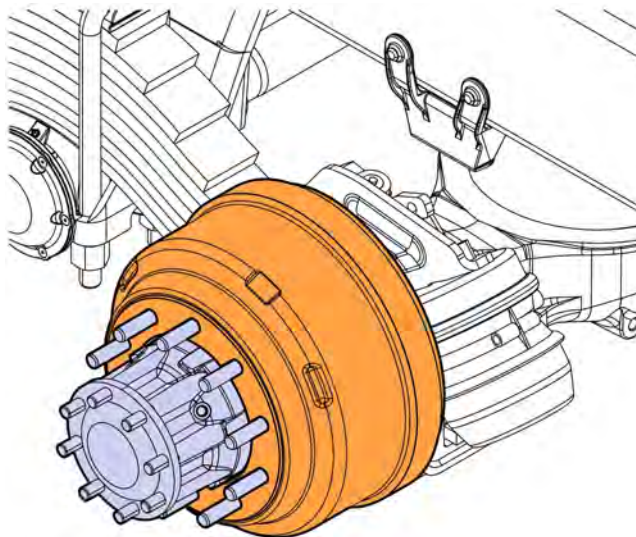
W7088554

11 Install the brake shoes and mounting hardware.



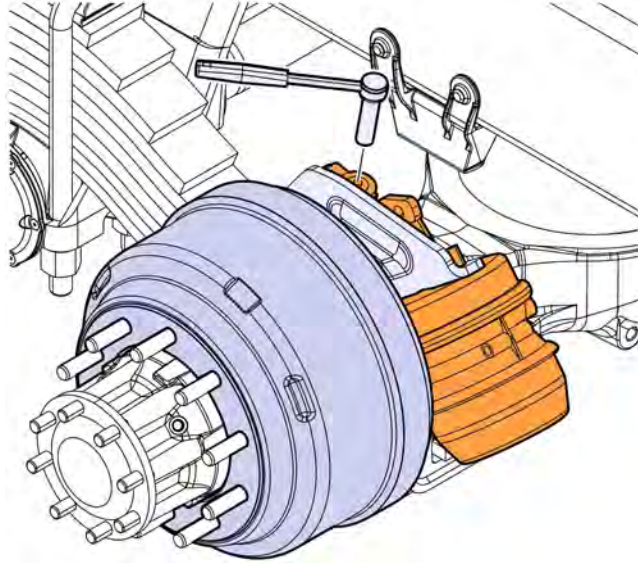
W7088551

12 Install the brake drum.



W7088550

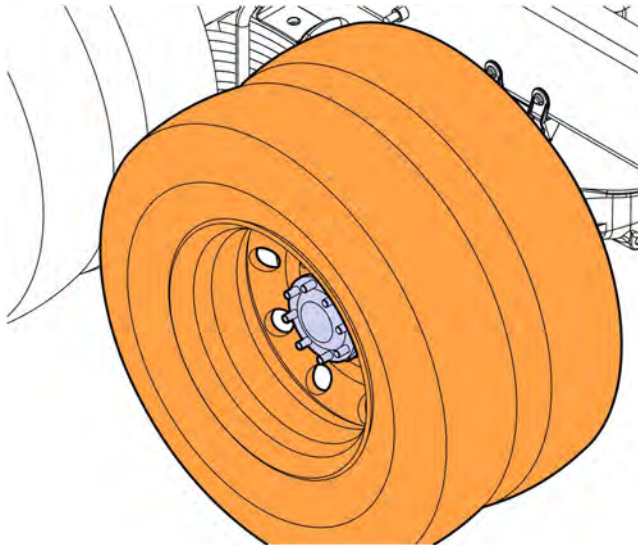
13 Adjust the brakes to specification.



W7088854

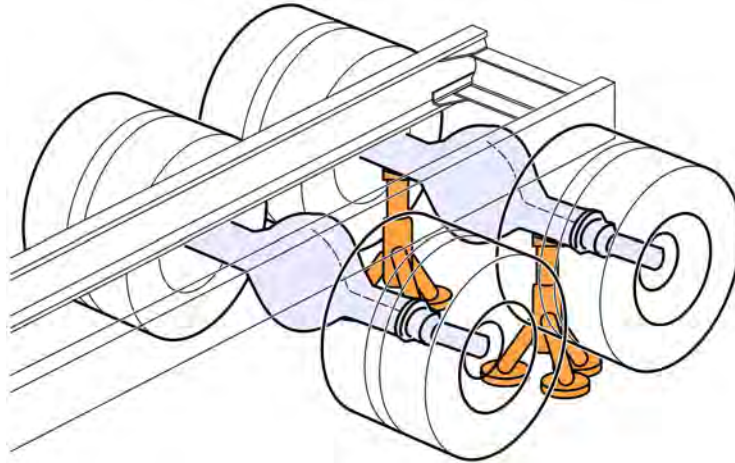
14 Install the wheels.

Note: Tighten the fasteners to 610 Nm (450 ft-lb).



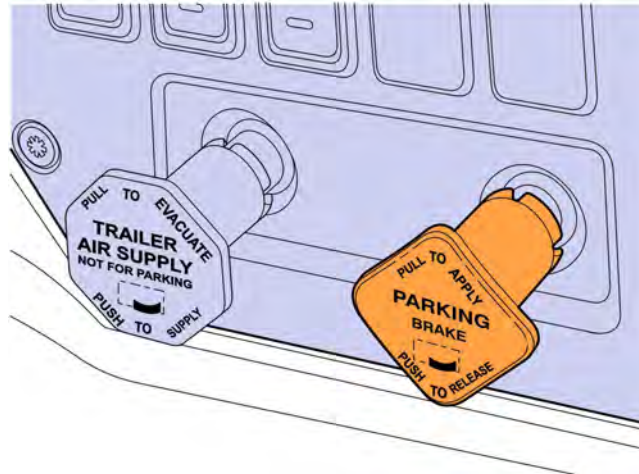
W7088548

15 Lift up the wheel end and remove the jack stand.



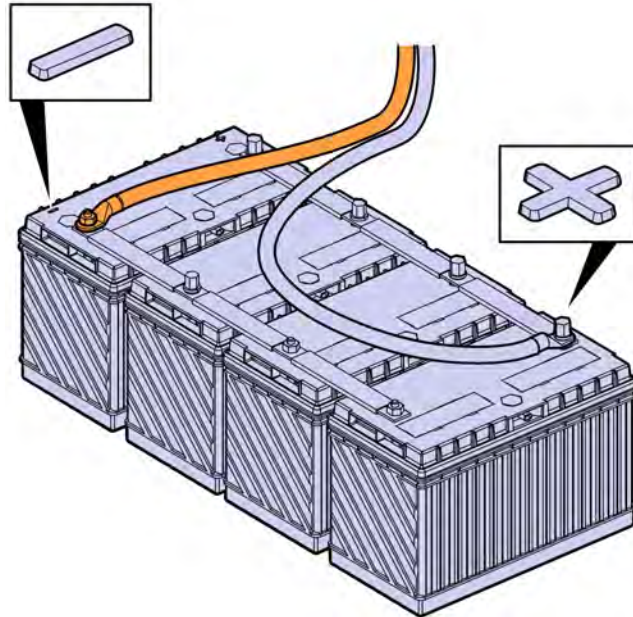
W7088594

16 Apply the parking brake.



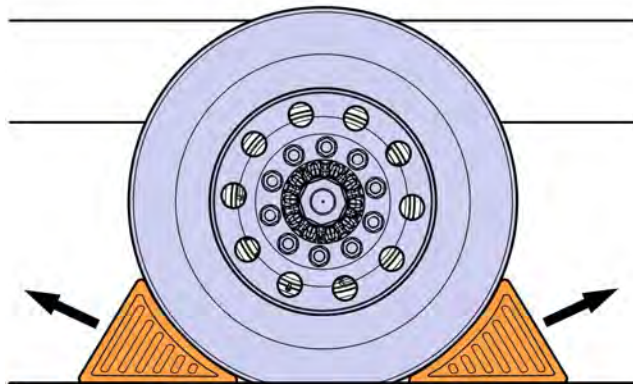
W7088574

17 Connect the battery cable to the negative (ground) terminal.



W3086758

18 Remove the wheel chocks.



W7086759

Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	
Claim Type (used only when uploading from the Dealer Bus. Sys.)	01
Labor Code	
Primary Labor Code (Spring Cap Inspection Only, per Truck)	1376B-01-80 0.4 hrs.
Primary Labor Code (Inspection and Spring Cap Modification, per Wheel End)	1376C-01-80 0.8 hrs.
Causal Part	25168110

Mack Trucks Inc. reserves the right to make any changes in design or to make additions to or upon its products without incurring any obligations to install the same on vehicles previously built.