

# Safety Recall

Mack Trucks Inc.  
Greensboro, NC USA



Date	Number	Release	Page
01.2026	SC0491	01	1(28)

## Brake Chamber, Inspection GU

### RECALL INFORMATION

(January 2026)

Certain Mack Granite (GR) trucks may experience an imbalance between the steer axle brakes and the drive axle brakes. This condition may cause blown tires and overheating of the front and/or rear brakes.

Mack Trucks has not received any complaints or reports of vehicle crashes because of this safety defect; 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 correct this safety issue, inspect the front and rear brake chambers. If required, replace front and/or rear brake chambers with the upgraded brake chambers listed in this recall

### VEHICLES AFFECTED

Certain 2010-2015 Mack GU 4x2 model vehicles manufactured from September 17, 2009, to July 31, 2015.

### VEHICLE QUANTITY

There are 711 vehicles (679 US, 1 Canada, 31 Export).















VIN Number	Part Number	Quantity	Brake Chamber Location
	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
	5396-GC3030CW	2	Rear T3030 Basic
	85143550	2	Front T30
	85143550	2	Front T30
	5396-SC30L	2	Front T30
	85143550	2	Front T30
	5554-3431951	2	Rear T3030 Basic
	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
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	85143550	2	Front T30
	85143550	2	Front T30
	85143550	2	Front T30
	5396-SC30L	2	Front T30
	85143550	2	Front T30
	5396-SC30L	2	Front T30
	5396-SC30L	2	Front T30
	85143550	2	Front T30







VIN Number	Part Number	Quantity	Brake Chamber Location
	5396-GC3030CW	2	Rear T3030 Basic
	5554-3431951	2	Rear T3030 Basic
	5396-SC30L	2	Front T30
	85143550	2	Front T30
	5396-SC30L	2	Front T30
	5396-SC30L	2	Front T30
	5554-3431951	2	Rear T3030 Basic
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	85143550	2	Front T30
	5396-SC30L	2	Front T30
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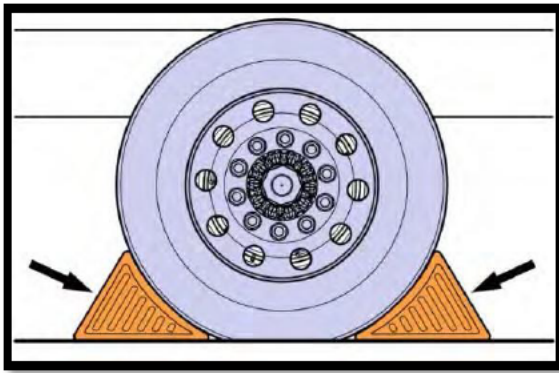


### Inspection Instructions

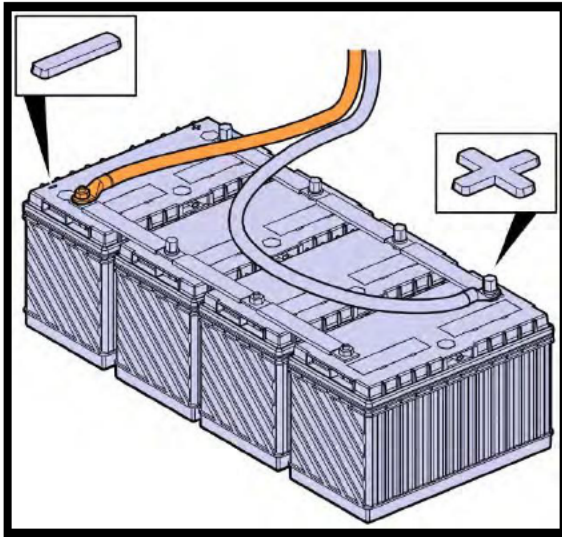
1. Inspect the brake chambers. If replacement is required, follow the steps below according to the VIN list supplied.

### Repair Instructions – Front axle

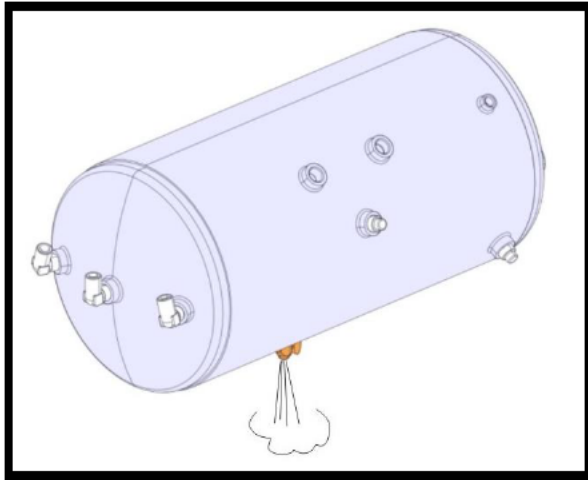
1. Park the vehicle on a level surface.
2. Apply the parking brake.
3. Place the transmission in park or neutral.
4. Turn off the ignition.
5. Install the wheel chocks.



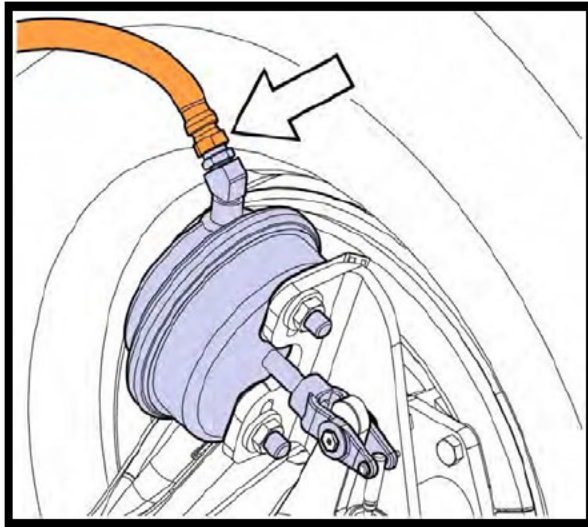
6. Disconnect the battery from the negative terminal.



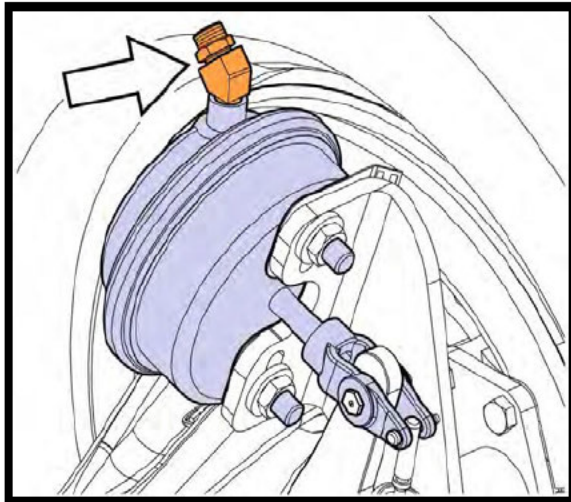
7. Drain the compressed air tanks.



8. Remove the supply air line from the brake chamber.



9. Remove the fitting from the brake chamber.



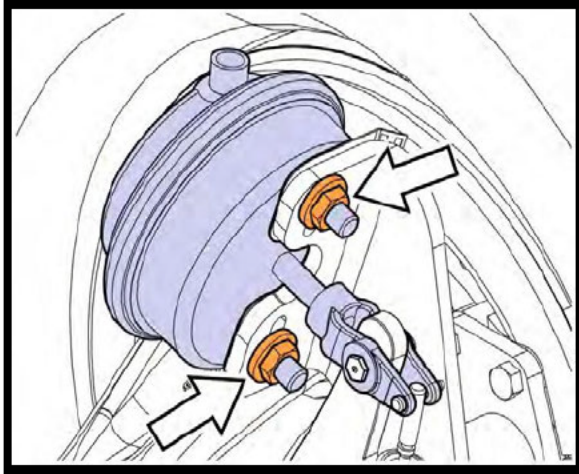
Important Note

Record the position and orientation of the fitting for installation purposes.

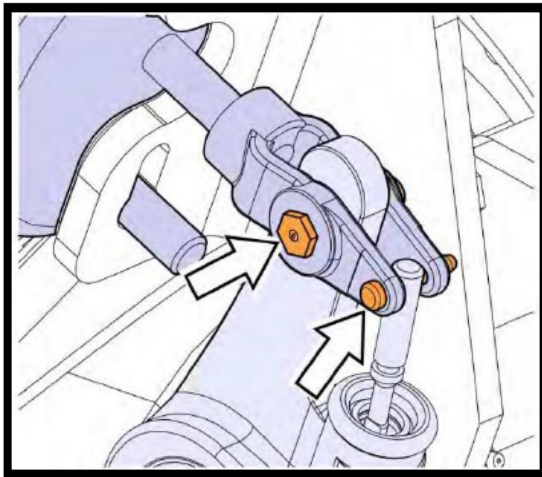
Important Note

Clean the fitting of any debris. Reuse fitting.

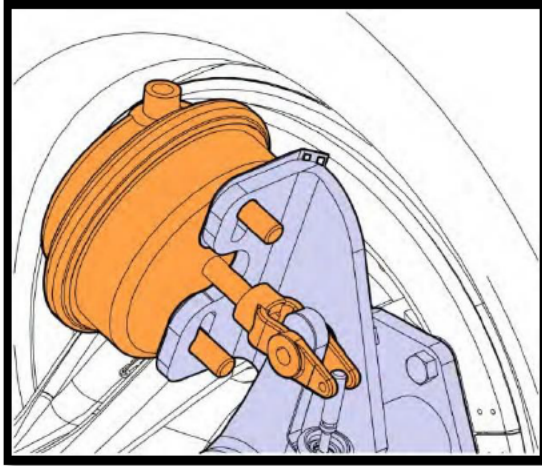
10. Remove the nuts securing the brake chamber to the mounting bracket.



11. Remove the clevis pin from the brake chamber and slack adjuster.

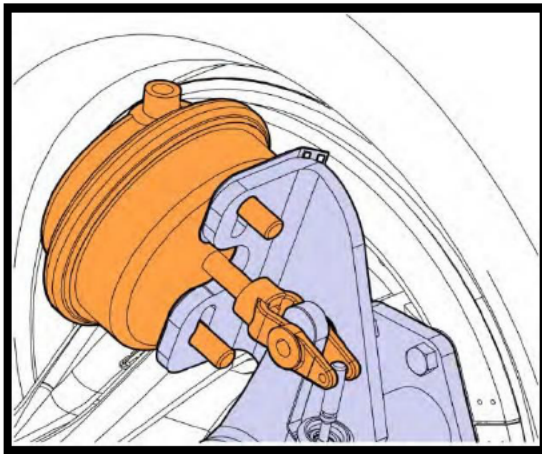


12. Remove the brake chamber.

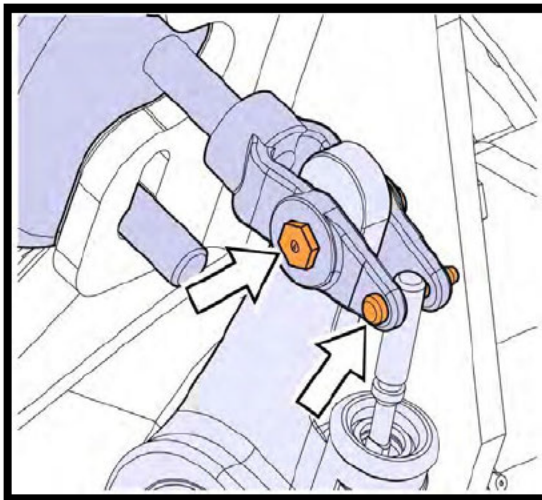


**Important Note**  
Discard the existing brake chamber.

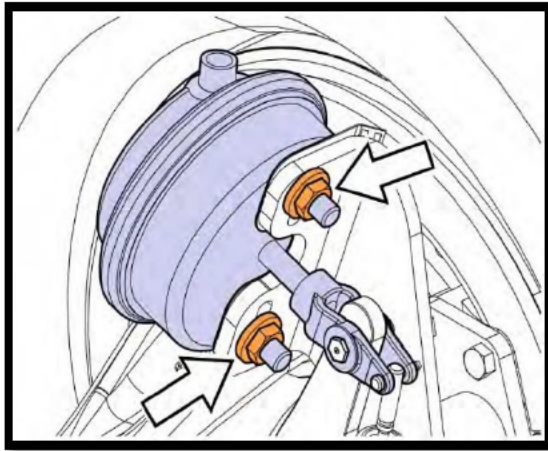
13. Position the new brake chamber.



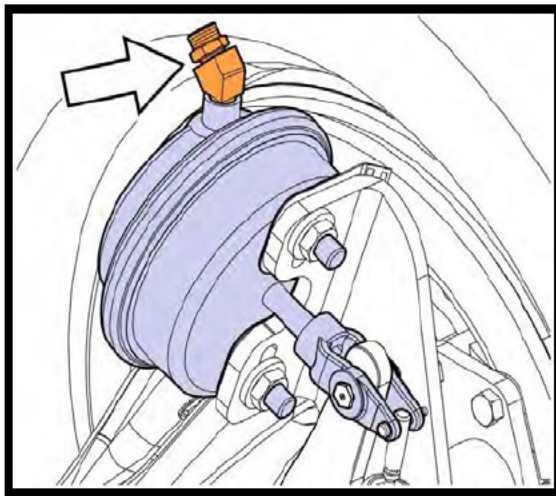
14. Install the clevis pins securing the brake chamber and slack adjuster.



15. Install the fasteners securing the brake chamber to the mounting bracket.
16. On the first pass, tighten the fasteners to 34 Nm (25 ft-lbs).
17. On the second pass, tighten the fasteners to 108-210 Nm (133 – 154 ft-lbs).



18. Using thread sealant, install the fitting into the brake chamber.
19. Tighten the fitting to 37 ± 3 Nm (27 ± 2 ft-lb).



20. Install the supply air line to the brake chamber and tighten according to specifications.

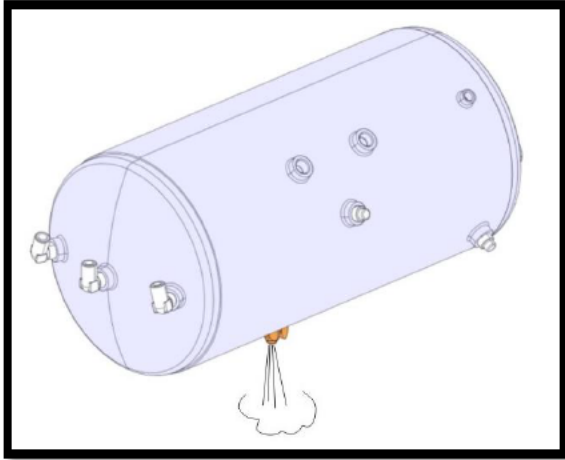
Air Line, Hose End Torque Specification		
Hose End Type	Thread	Torque Specification
NPTF	3/8 in	38 ± 1.9 Nm (28 ± 1.4 ft-lb)
	1/2 in	68 ± 4 Nm (50 ± 3 ft-lb)
SAE 45 Degree Flare	3/4 – 16 UNF	47.5 ± 2.0 Nm (35 ± 1.5 ft-lb)
	7/8 – 14 UNF	76 ± 4 Nm (56 ± 3 ft-lb)
	1-1/16 - 14 FEM	108 ± 6 Nm (80 ± 4 ft-lb)
SAE 37 Degree Flare	3/4 - 16 UNF	51 ± 2 Nm (37.5 ± 1.5 ft-lb)
	7/8 – 14 UNF	81 ± 4 Nm (60 ± 3 ft-lb)
	1-1/16 - 12 FEM	113 ± 6 Nm (84 ± 4 ft-lb)
Globe Seal	3/4 – 20 UNEF	47.5 ± 2.0 Nm (35 ± 1.5 ft-lb)

21. Adjust the brake.
22. Repeat steps 7 through 21 for the opposite side of the axle.

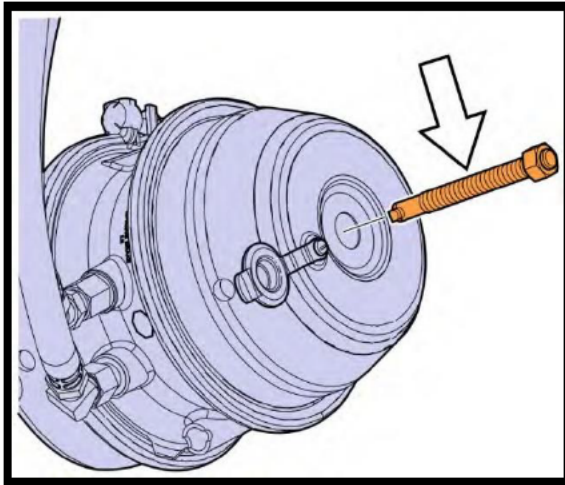
23. Close and latch the hood.

**Repair Instructions – Rear axle**

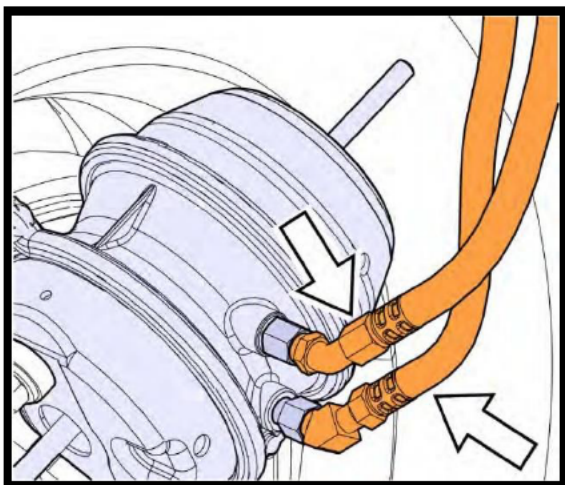
1. Drain the compressed air tanks.



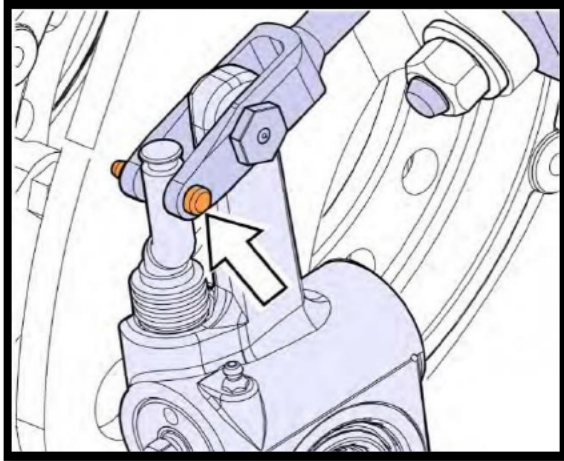
2. Cage the brake chamber.



3. Disconnect the park brake and service supply air lines from the park brake chamber.



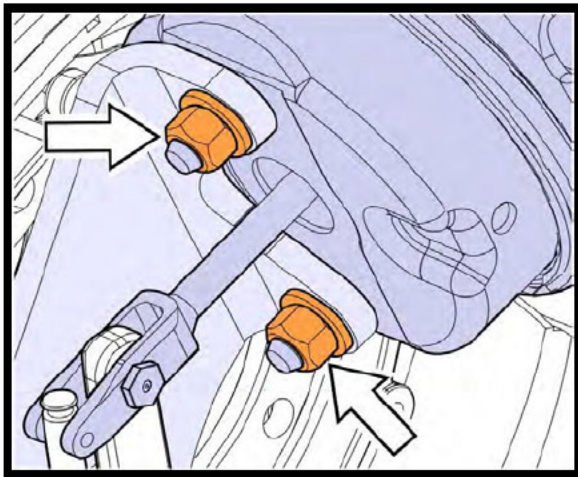
4. If applicable, remove the cotter pin and clevis pin from the park brake chamber rod.



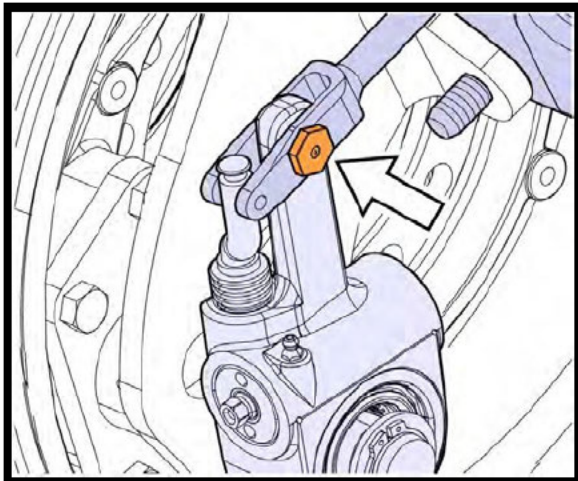
**Important Note**

Do not discard the clevis pin. Clean and store for reuse.

5. Remove the two nuts and washers from the park brake studs.



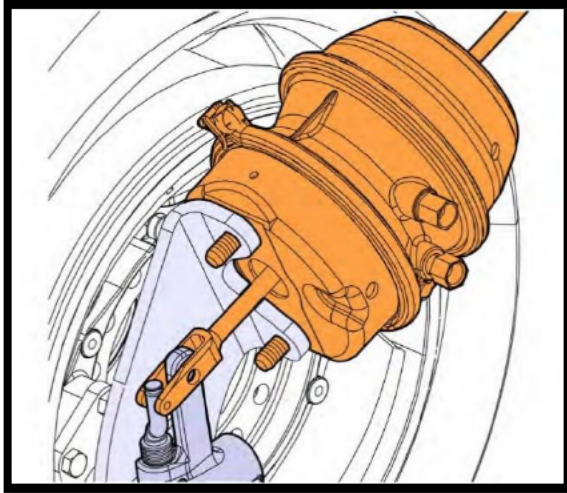
6. Remove the cotter pin and clevis pin from the slack adjuster.



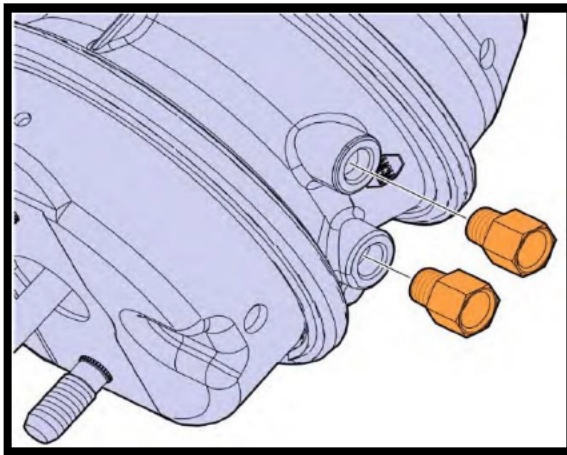
Important Note

Do not discard the clevis pin. Clean and store for reuse.

7. Remove the existing park brake chamber.

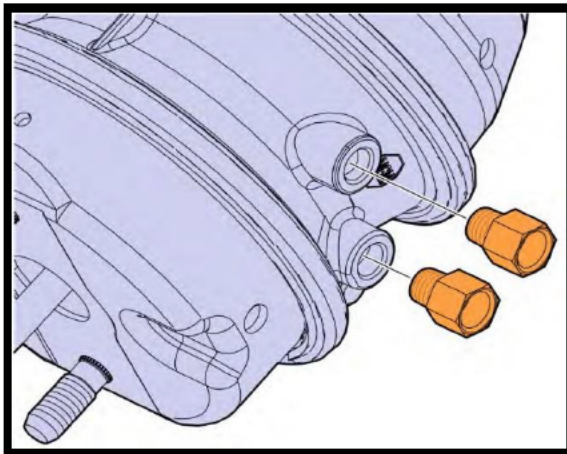


8. Remove the fittings from the existing park brake chamber. Clean fittings and store for reuse.

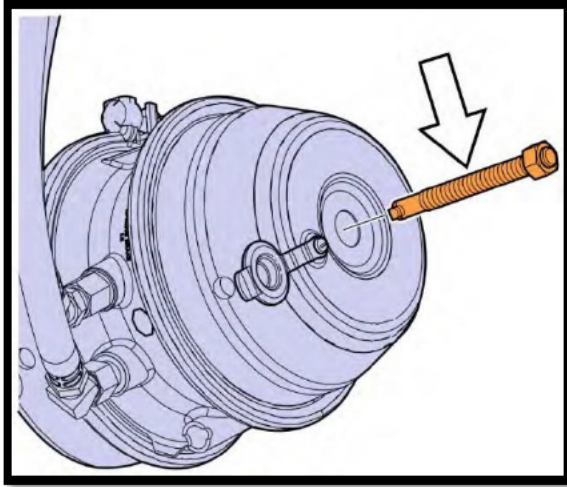


9. Using thread sealant, install the fittings on the replacement park brake chamber.

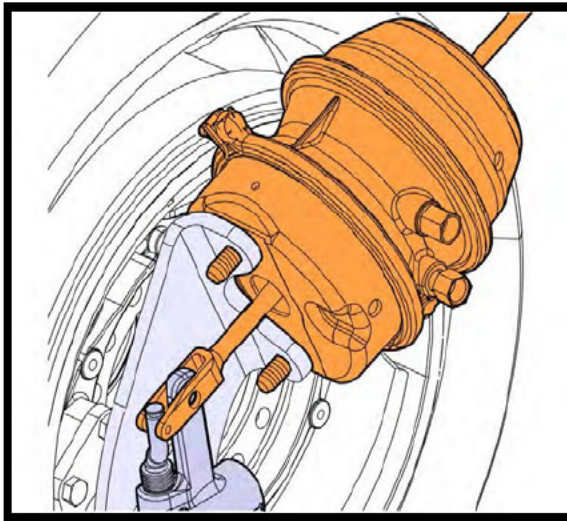
10. Tighten the fittings to  $37 \pm 3$  Nm ( $27 \pm 2$  ft-lbs).



11. Cage the replacement park chamber.

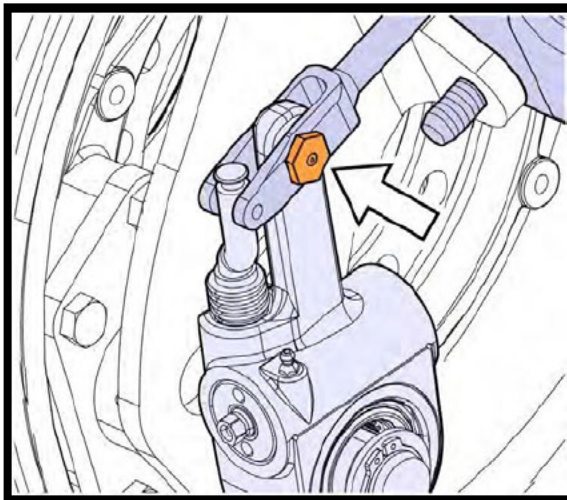


12. Position the replacement park brake chamber as shown below.



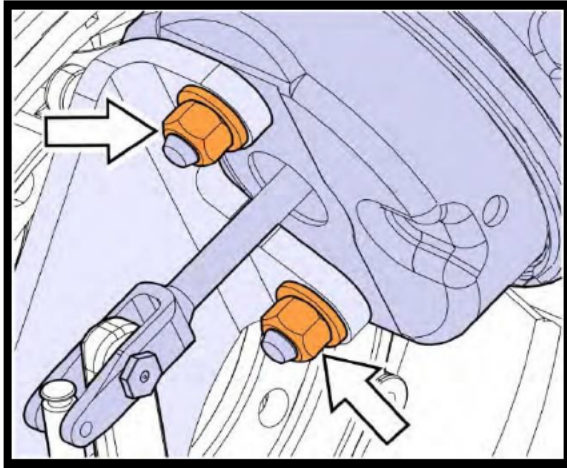
13. Install the clevis pin into the park brake chamber rod.

14. Secure the clevis pin with a new cotter pin.

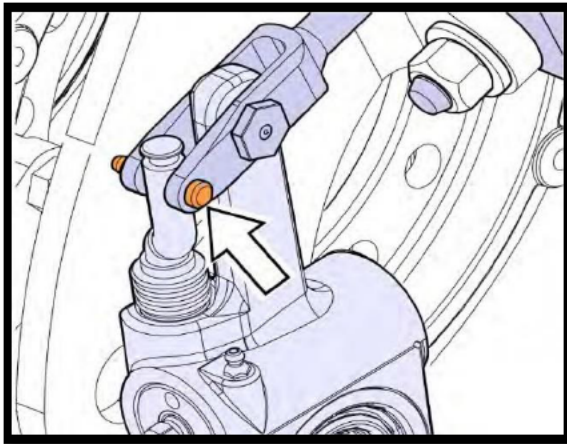


15. Install the two nuts and washers on the parking brake chamber studs.

- 16. On the first pass, tighten fasteners to 34 Nm (25 ft-lbs).
- 17. On the second pass, tighten fasteners to 180 – 210 Nm (133 – 154 ft-lbs).



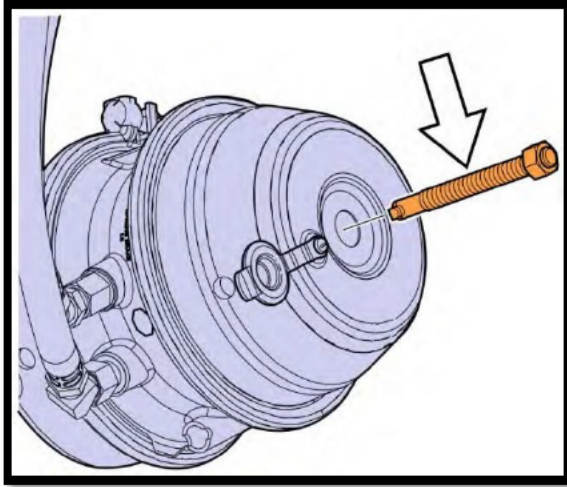
- 18. If applicable, install the clevis pin and cotter pin into the slack adjuster.
- 19. Secure the clevis pin with a new cotter pin.



- 20. Connect the parking brake and service supply air lines to the brake chamber and tighten to specification.

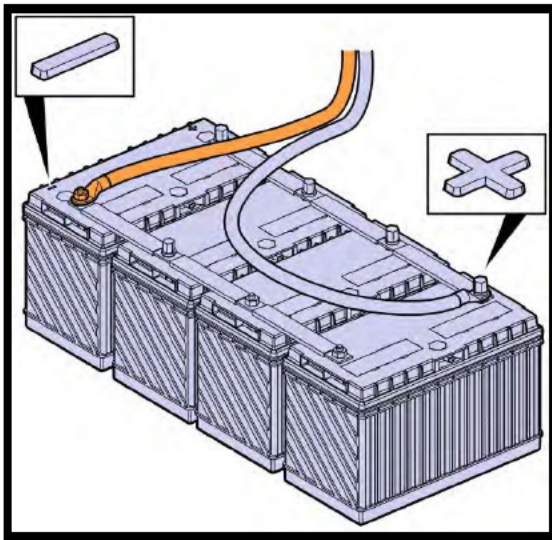
Air Line, Hose End Torque Specification		
Hose End Type	Thread	Torque Specification
NPTF	3/8 in	38 ± 1.9 Nm (28 ± 1.4 ft-lb)
	1/2 in	68 ± 4 Nm (50 ± 3 ft-lb)
SAE 45 Degree Flare	3/4 – 16 UNF	47.5 ± 2.0 Nm (35 ± 1.5 ft-lb)
	7/8 – 14 UNF	76 ± 4 Nm (56 ± 3 ft-lb)
	1-1/16 - 14 FEM	108 ± 6 Nm (80 ± 4 ft-lb)
SAE 37 Degree Flare	3/4 - 16 UNF	51 ± 2 Nm (37.5 ± 1.5 ft-lb)
	7/8 – 14 UNF	81 ± 4 Nm (60 ± 3 ft-lb)
	1-1/16 - 12 FEM	113 ± 6 Nm (84 ± 4 ft-lb)
Globe Seal	3/4 – 20 UNEF	47.5 ± 2.0 Nm (35 ± 1.5 ft-lb)

21. Un-cage the replacement park brake chamber.



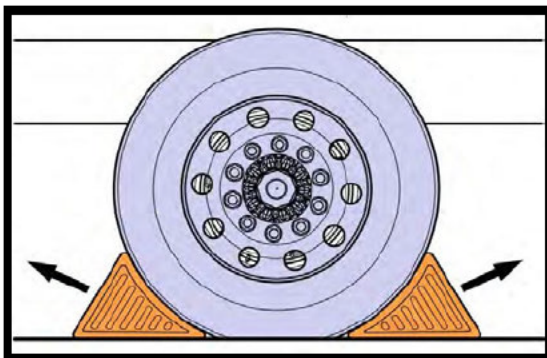
22. Repeat steps 1 – 21 for the opposite side of the axle.

23. Connect the cable to the negative terminal of the battery.



24. Start the truck and build proper air system pressure. Check for air leaks and proper service/park brake operation.

25. Remove the wheel chocks.



26. Release truck for service.

**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>Primary Labor Code</b>	
1720-16-09-01 Campaign, General x 5	5 x 0.1 hrs 0.5 hrs
<b>Labor Code</b>	
5126-03-09-08 Brake Chamber, Replacement (Front Axle) Per Axle	1 x 1.0 hrs 1.0 hrs
5126-03-09-07 Brake Chamber, Replacement (Rear Axle) Per Axle	1 x 1.5 hrs 1.5 hrs
<b>Causal Part</b>	21370850
<b>Authorization Number</b>	C0518

**Note:** Dealers or the designated representatives are required to perform Safety Recall 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 that are subject to a Safety Recall are brought to your dealership for service, it is strongly recommended that every effort be made to perform the recall correction before the vehicle is released to the owner.