

SAFETY RECALL

Mack Trucks Inc.
Greensboro, NC USA



Date	Number	Release	Page
05.2022	SC0435	01	1(7)

Granite Insufficient Air Volume GR

RECALL INFORMATION

(May 2022)

Mack has determined that certain model year 2023 GR Vehicles were built using an incorrect air volume calculation. This issue is a result of an internal systems calculation table that was providing an incorrect baseline for a subset of vehicles.

Air Volume calculation for system air is 8% below the "12 Times the combined volume of all service brake chambers" and is a noncompliance with FMVSS 121.

Mack Trucks has not received any complaints or reports of vehicle crashes because of this safety issue.

To ensure that these vehicles meet Mack's stringent quality requirements, follow the instructions outlined below to relocate air tank bracket, install new air tank, and reroute the air lines.

VEHICLES AFFECTED

Certain Mack North America vehicles manufactured between January 10, 2022, and March 01, 2022.

VEHICLE QUANTITY

There are 14 vehicles affected by this recall. (14 U.S.)

Important

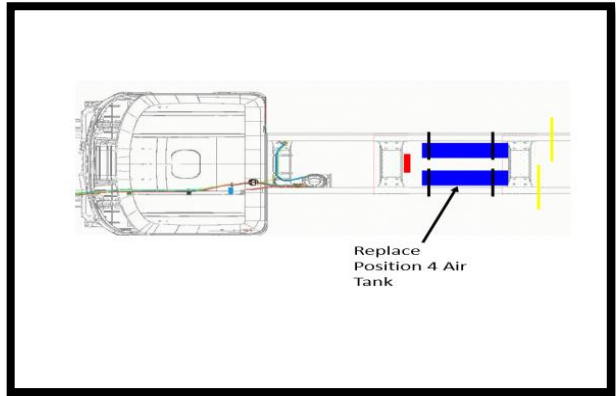
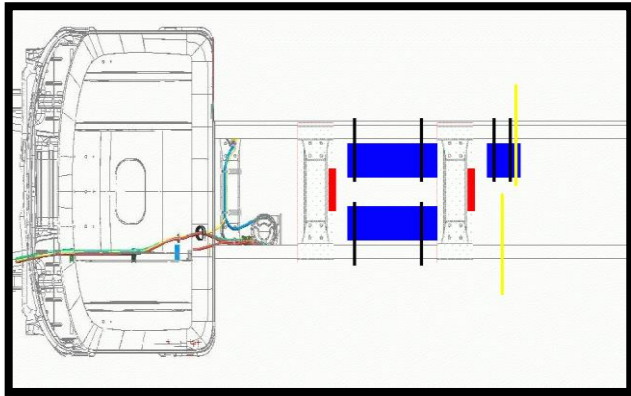
There are two different air tank configurations for this recall.

A: is two tanks mounted in frame.

B: is three tanks mounted in frame.

If you have a two-tank configuration, please follow the instructions below to install a bigger secondary in frame air tank.

If you have a three-tank configuration, please reach out to the reliability group by emailing reliability@volvo.com for repair instructions, parts list, and claiming information.

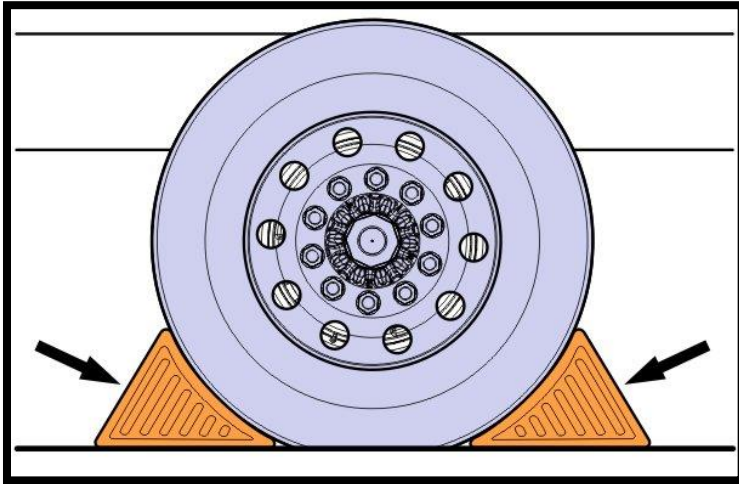


Parts

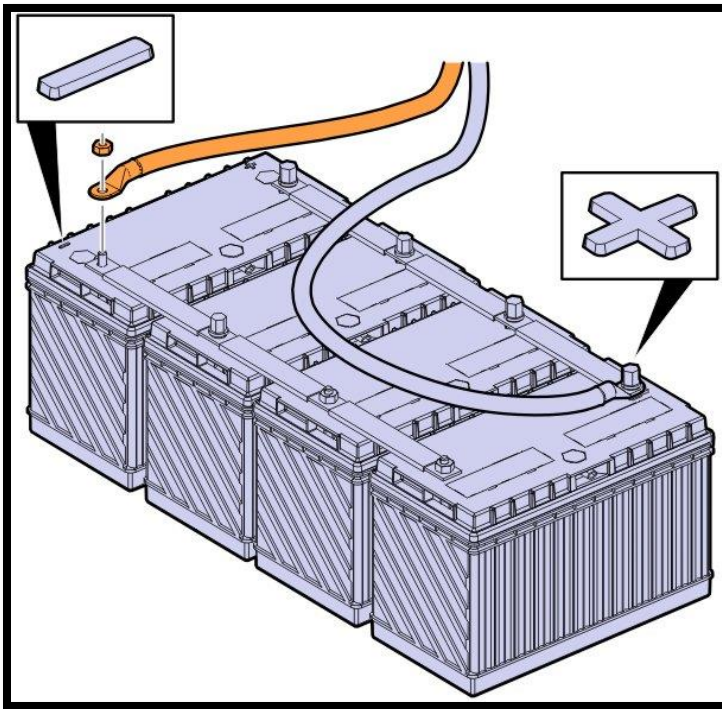
Part Number	Description	Quantity
23895292	In-frame Air Tank	1
60111755	Bolt	3
992328	Nut	3

Repair Instructions

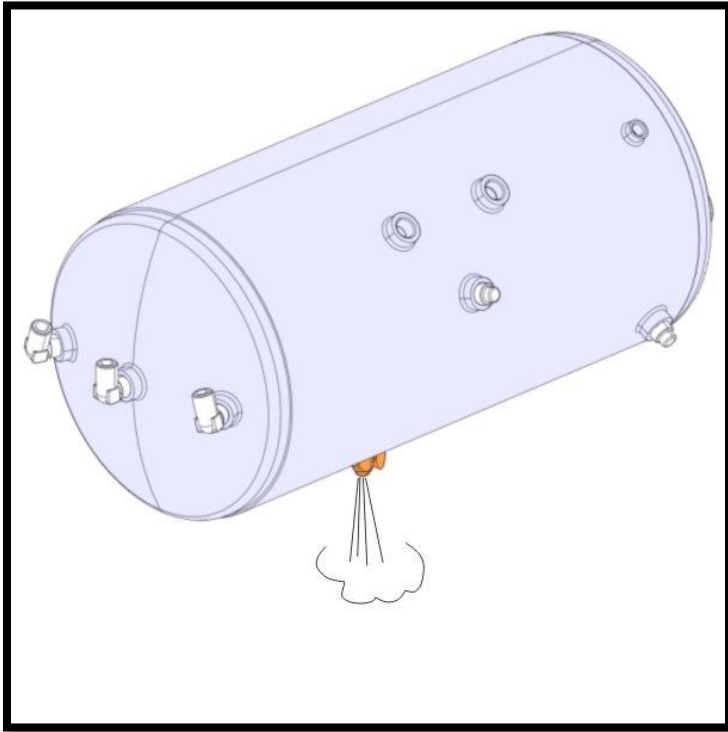
1. Park the vehicle on a level surface.
2. Apply the parking brake.
3. Place the gear lever in neutral.
4. Install the wheel chocks.



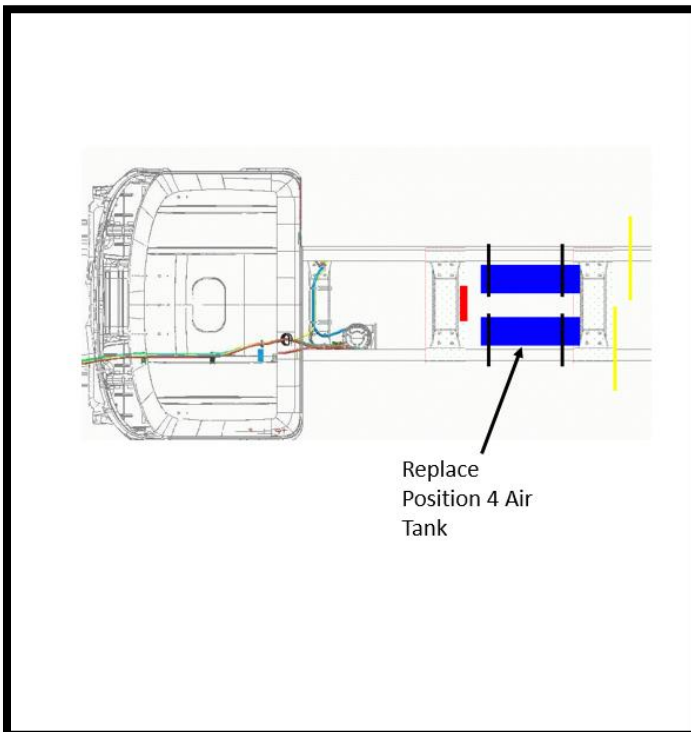
5. Disconnect the cable from the negative terminal.



6. Drain the compressed air tanks.

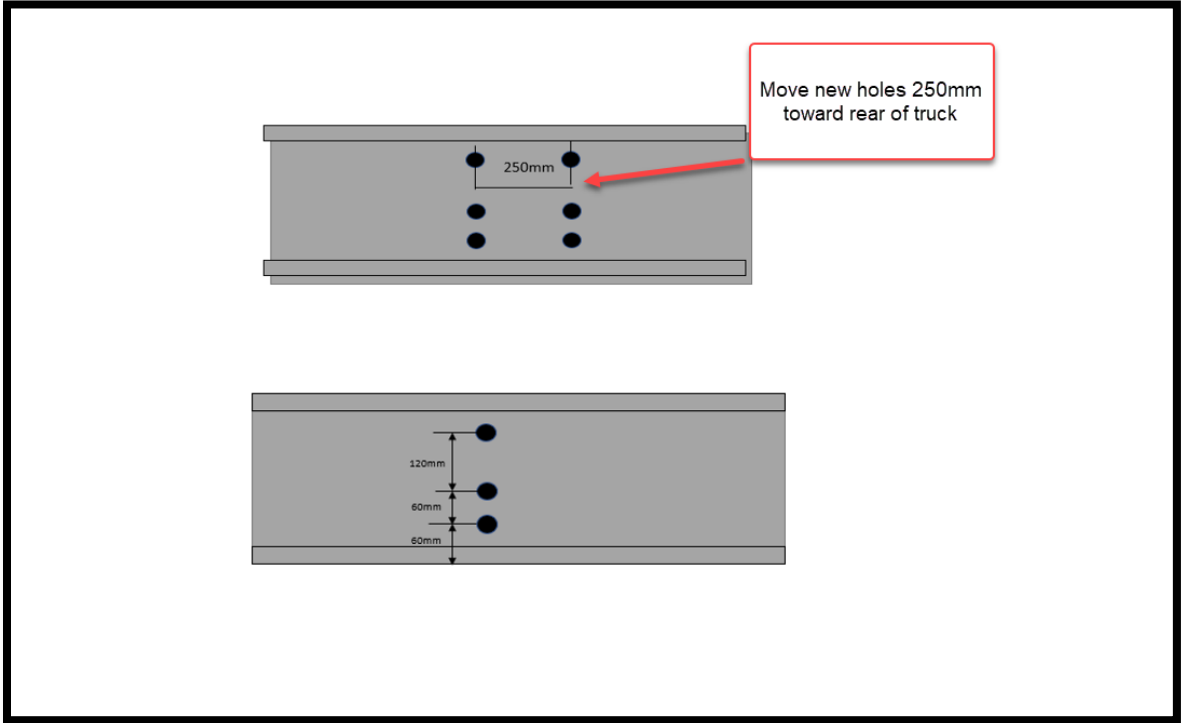


7. Locate the position 4 (secondary) air tank.



8. Disconnect all air lines for the tank.
9. Loosen tank straps and remove tank.
10. Transfer all air fittings from the old tank to the new tank.
11. Remove the rear air tank mounting bracket and hardware.

12. Drill 3 new mounting holes 250mm behind the existing ones. (See Image below)



13. Install old mounting hardware back in existing holes and torque to spec.

14. Install old tank mounting bracket in new holes, attach with new hardware and torque to spec.

Tightening Torque	
M-14 mounting hardware	140 ± 25 Nm (103 ± 18 ft-lb)

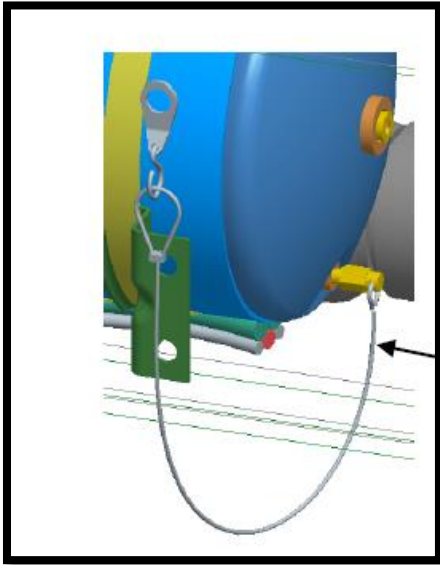
15. Install new air tank into frame and torque straps to spec.

Tightening Torque	
Air tank strap, screw	11.3 ± 5 Nm (8 ± 4 ft-lb)

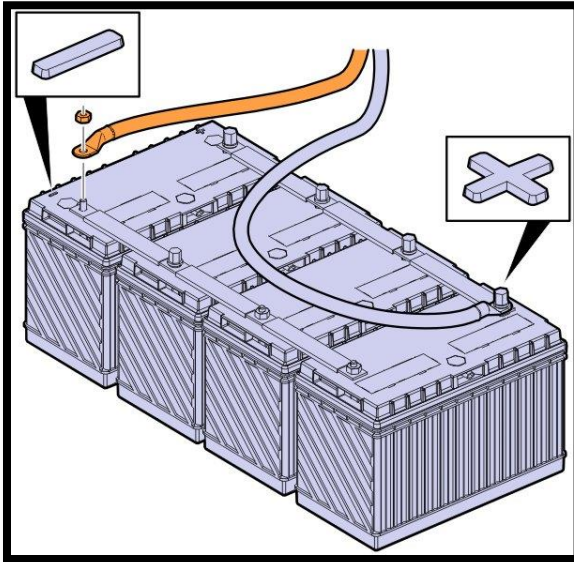
16. Reconnect all air lines to tank.

Note	
If the airlines do not reach the new tank they should be replace with the correct length.	

17. Install drain valve into tank and secure the s-hook lanyard back to the frame.



18. Connect the cable to the negative terminal.



19. Start engine and build up air pressure to governor cutout.

20. Shut off engine and check for any audible air leaks.

21. Release truck back into service.

REIMBURSEMENT

This repair is covered by an authorized Safety Recall. Reimbursement is obtained through the normal claim handling process.	
	UCHP Reimbursement
Claim Type (used only when uploading from the Dealer Business System)	40
Recall Status	
Vehicle repaired per instructions	1-Modified per instructions
Labor Codes	
5621-03-02-01 Air tank, Replacement	0.8
1720-16-09-01 Campaign, General 0.1 x 10 qty = 1.0hr	1.0
Causal Part	22945817
Authorization Number	C6642

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.