

# SAFETY RECALL

Volvo Trucks North America

Greensboro, NC USA

# VOLVO

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Date	Number	Release	Page
03.2025	RVXX2502	01	1 (8)

## VN4 Brake Timing

### RECALL INFORMATION

(March 2025)

Volvo Trucks North America has determined that certain VN4 model vehicles do not meet minimum brake actuation timing requirements from FMVSS 121 (S5.5.5.1), which could cause a delay in brake activation and increase stopping distances. This could increase the risk of a crash causing injury and/or damage to property.

Volvo Trucks has not received any complaints or reports of vehicle crashes because of this non-compliance.

To ensure that these vehicles meet the brake actuation timing requirements, the pneumatic trailer brake connections must be modified to remove the dual trailer connection option. Please follow the instruction below to complete the repair.

### VEHICLES AFFECTED

Certain Volvo VN4 model vehicles manufactured between August 8, 2022 to November 1, 2024.

### VEHICLE QUANTITY

There are vehicles affected by this recall (8 U.S.).

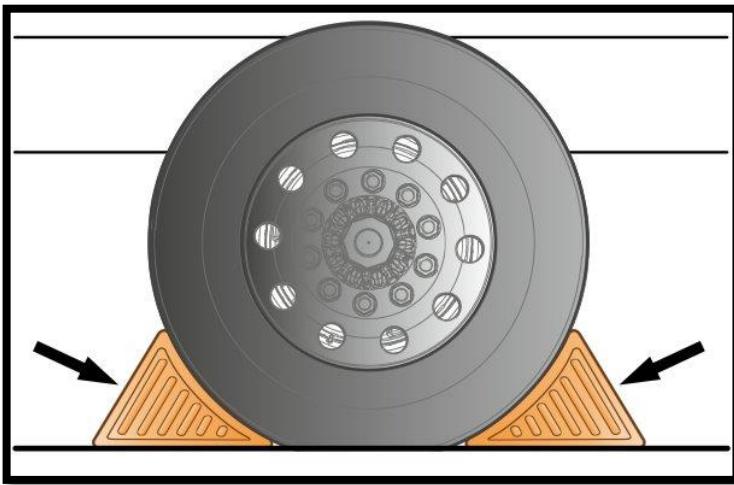
**Parts**

Order parts through normal process as needed.

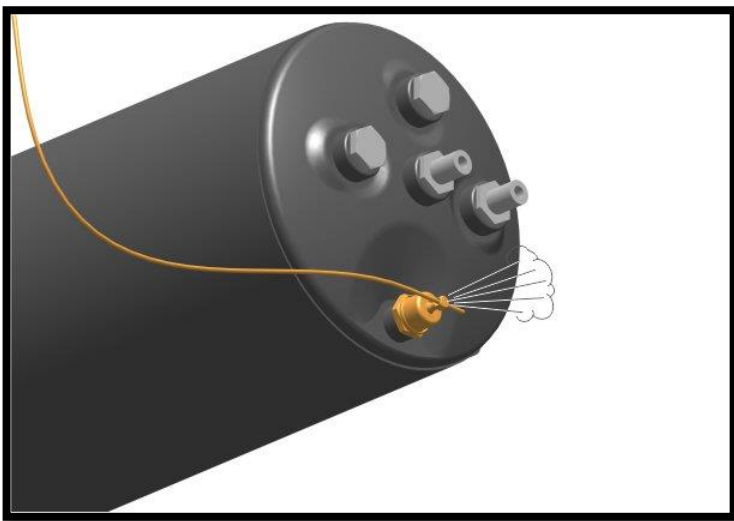
Part Number	Part description	Quantity
992292	Fitting	1

**Repair Instructions**

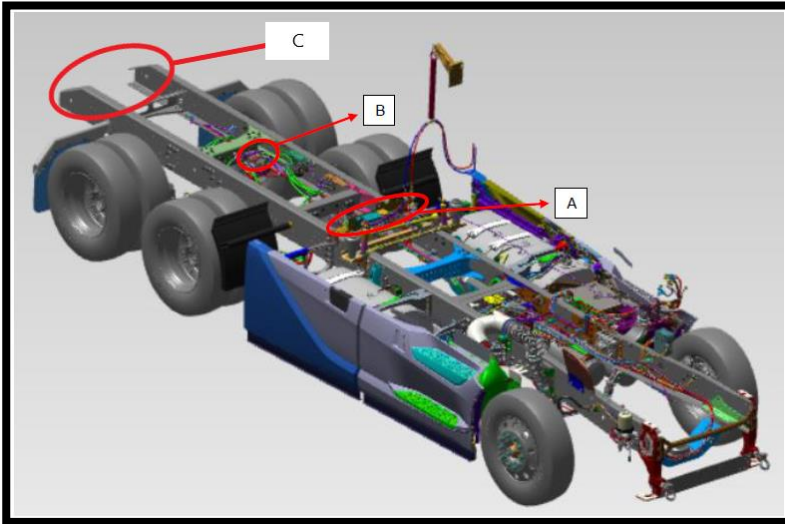
1. Park the vehicle on a level surface.
2. Apply the parking brake.
3. Place the transmission in neutral.
4. Install wheel chocks.



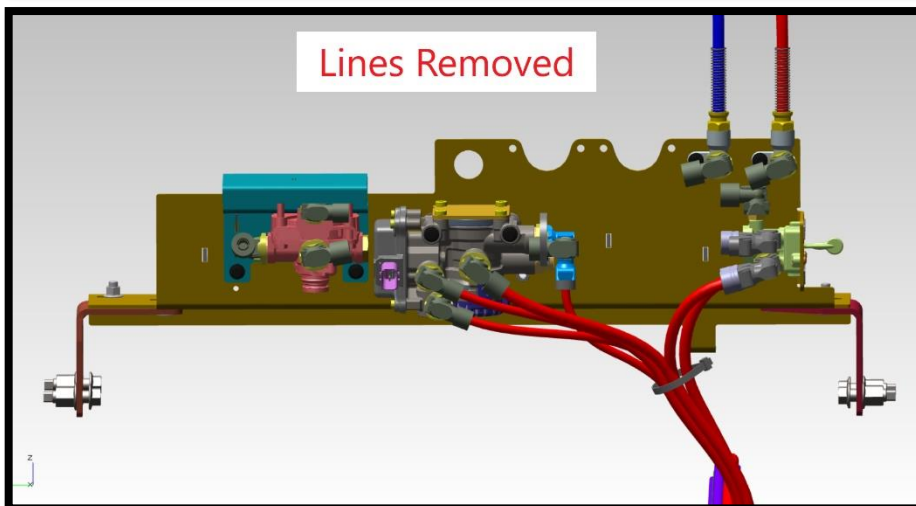
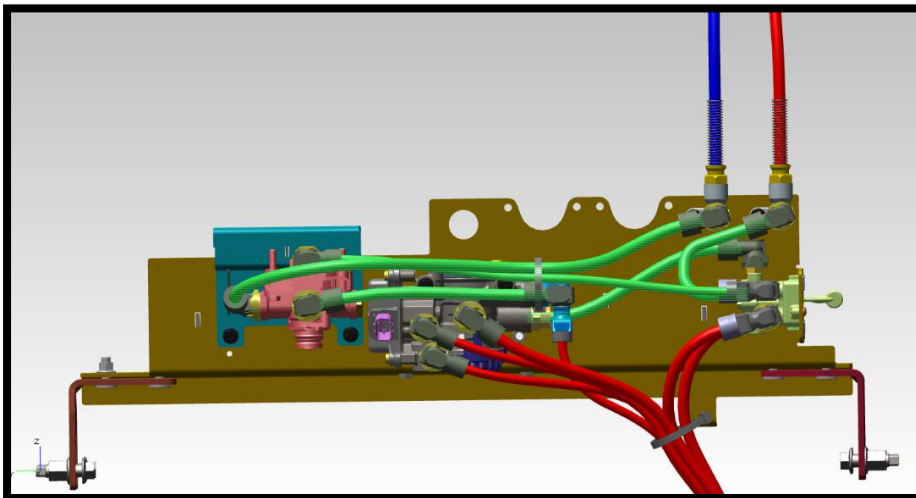
5. Drain the compressed air tanks.



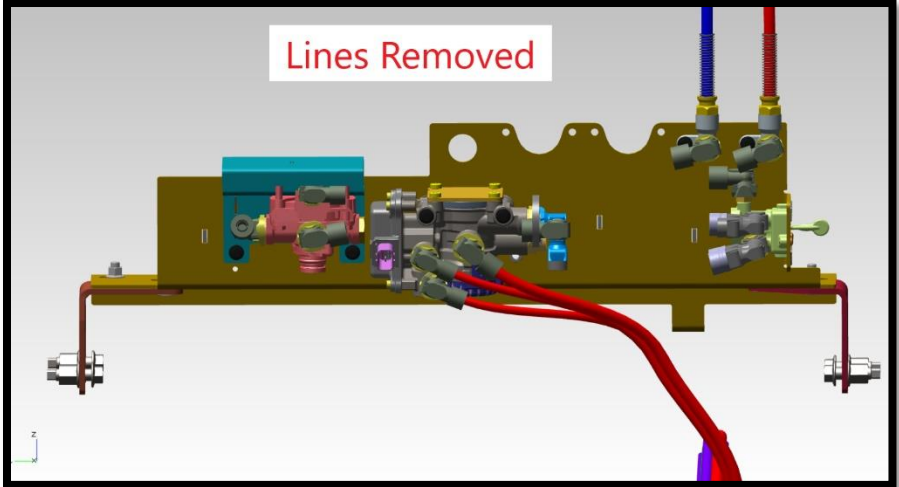
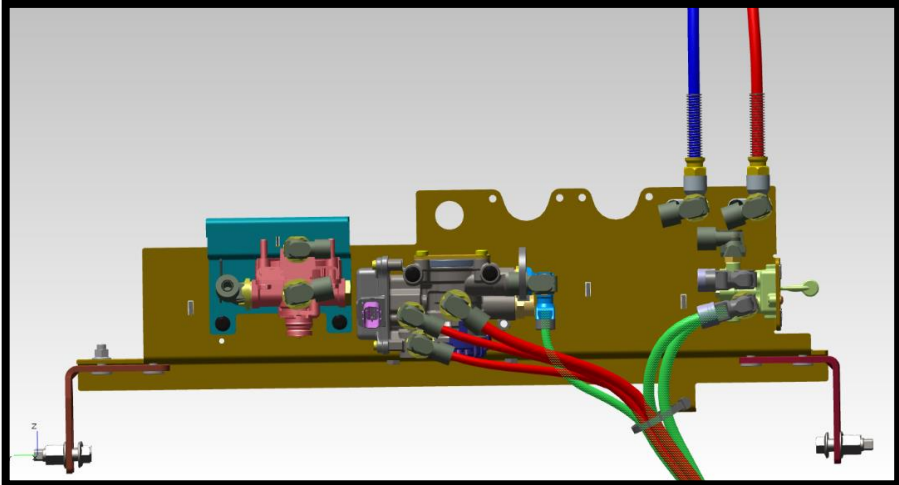
6. Identify the location of the pneumatic circuits that will need to be removed.
  - A. Trailer Relay Valve and Trailer Brake connection selector valve located at the back of the cab.
  - B. Trailer Brake Relay Valve located near the rear axle.
  - C. Rear Trailer Brake connections.



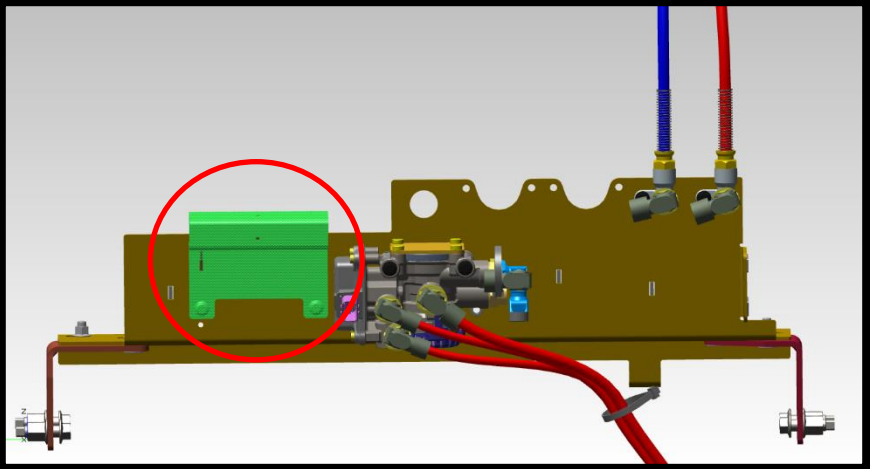
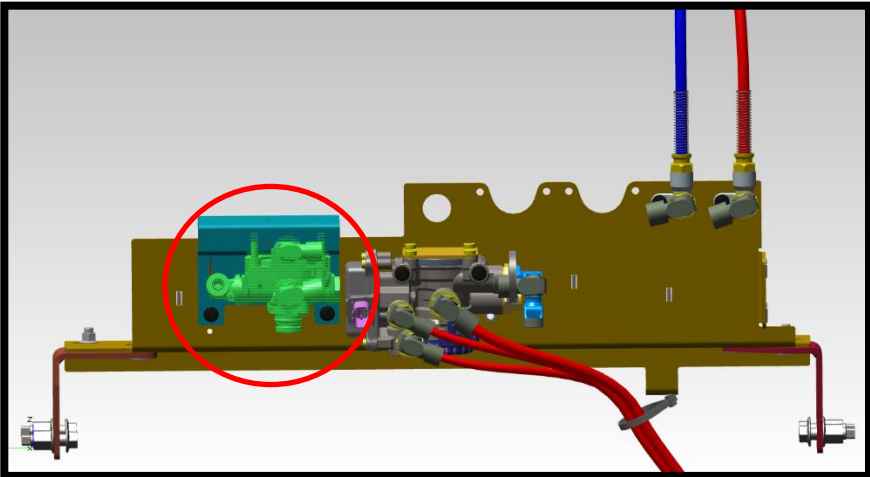
7. Remove and discard all highlighted green airlines from the relay valve (Location A).



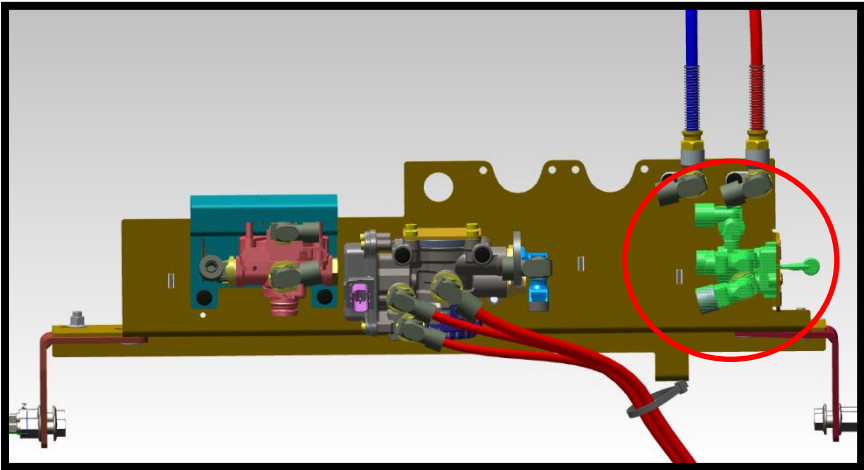
8. Disconnect the highlighted green airlines the from location A.



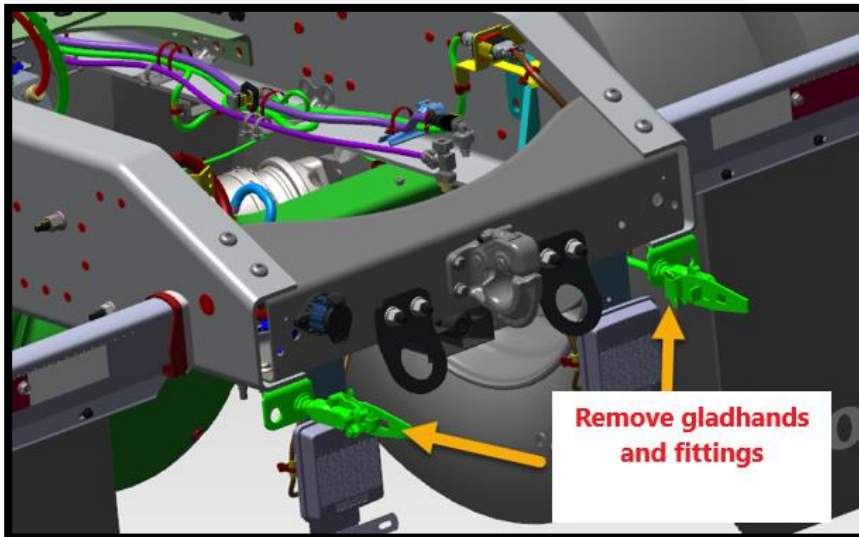
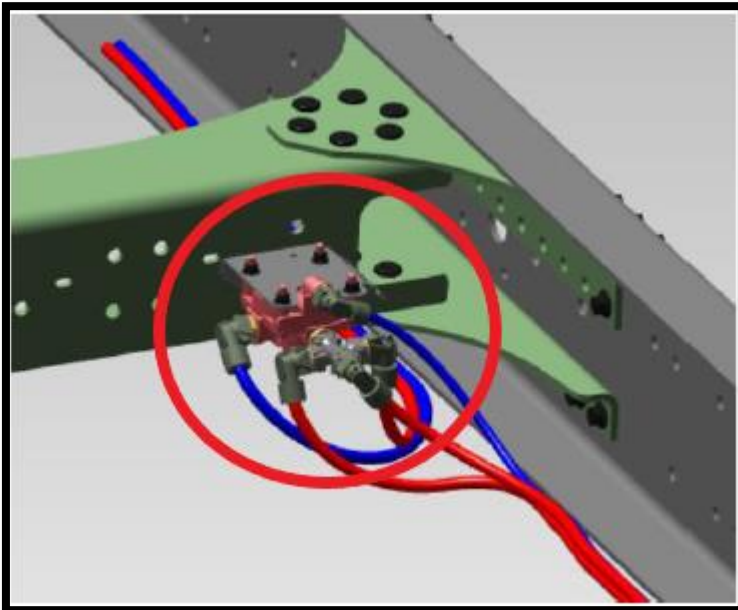
9. Remove and discard the relay valve and it's mounting bracket.



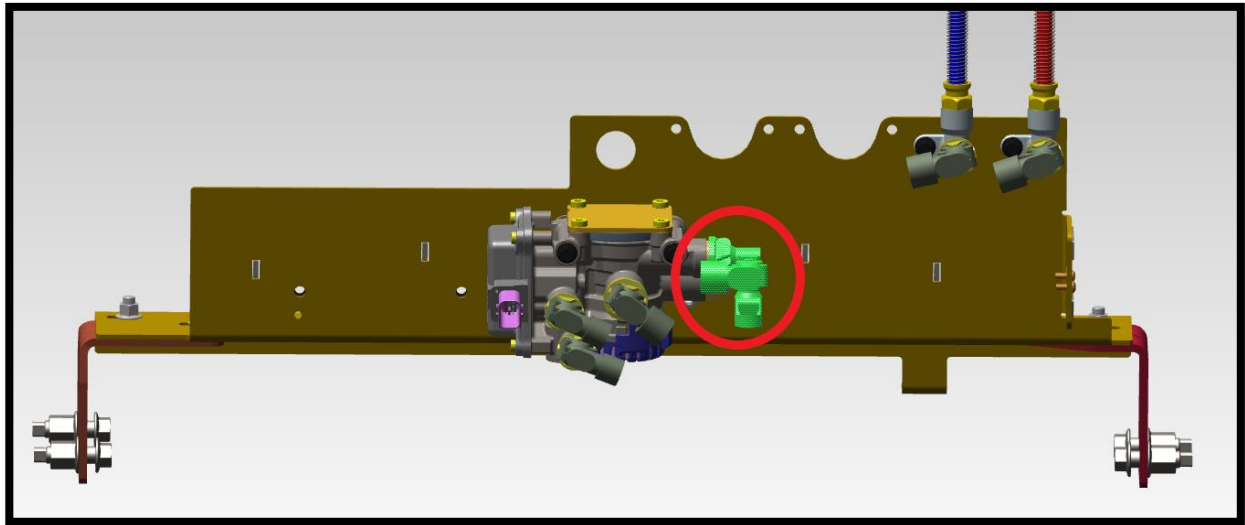
10. Remove and discard the trailer brake connection selector valve.



11. Disconnect all air lines from the rear trailer brake relay valve (Location B) and from the rear trailer brake connections (Location C). Completely remove the airlines from the chassis and discard. (The correct valve can be identified by tracing the three air lines that were disconnected on step 8).
12. Remove and discard the rear trailer brake relay valve and its bracket.
13. Remove and discard the rear trailer brake connection glad hands and their air lines. (Brackets can remained installed)



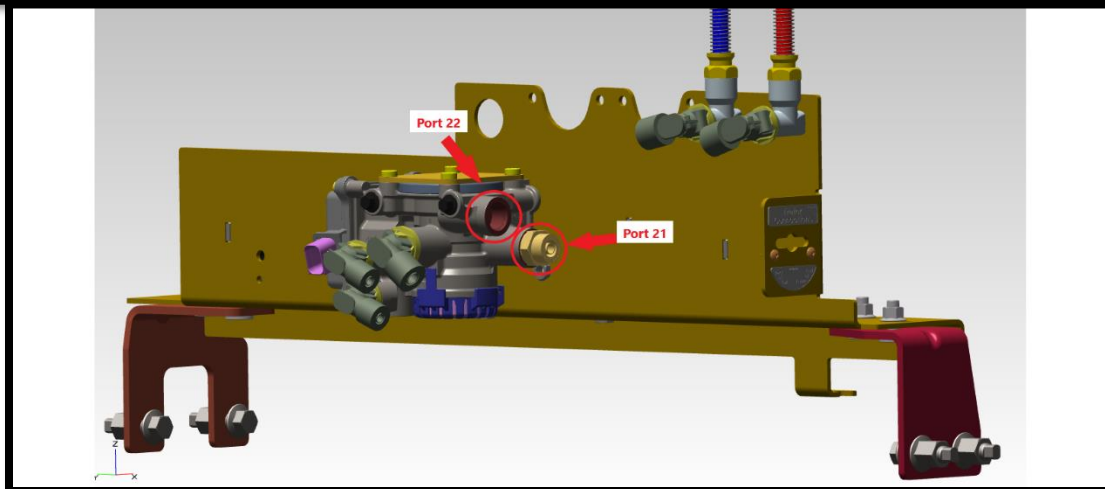
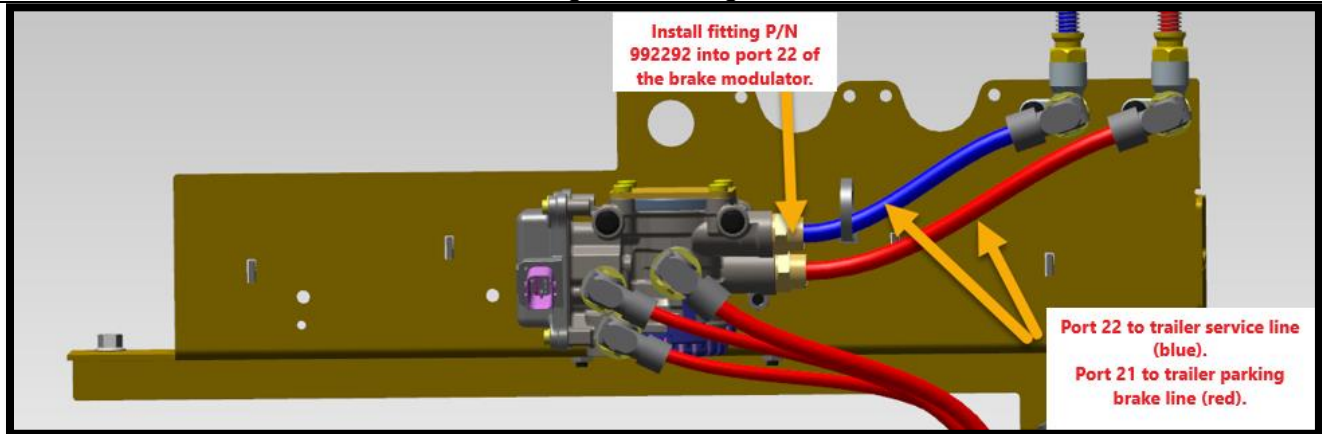
14. Remove and discard the fitting setup from port 22 on the trailer brake modulator.



15. Install new fitting P/N 992292 into port 22 of the trailer brake modulator.
16. Measure and cut two sections of ½ air line from removed air lines. Install them from the trailer brake modulator to the trailer lines. Port 22 of the modulator valve needs to go to the blue trailer service brake hose. Port 21 of the modulator needs to go to the red trailer parking brake hose.

**Important Note**

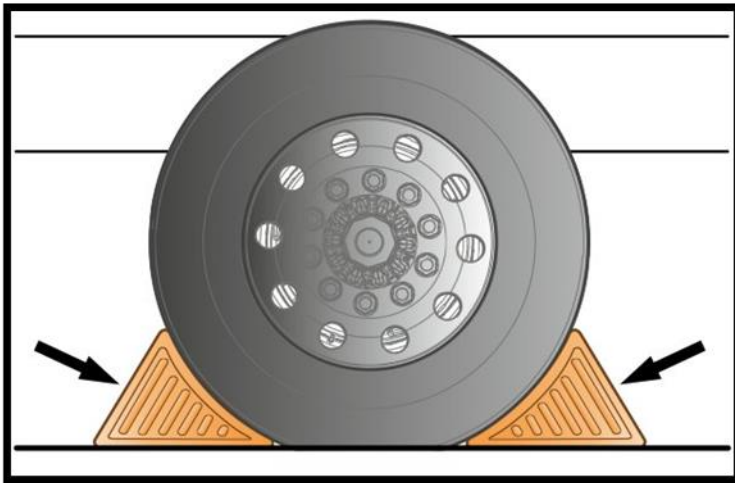
The 90-degree fittings at the trailer line connection may need to be removed to install the airlines to avoid over bending and kinking the new lines.



17. Replace any removed zip ties and ensure the remaining pneumatic circuit is free from rubs and is securely fastened.
18. Start the engine.
19. Idle engine until the pneumatic system is at operational pressure.

Important Note
The pneumatic system is full when the compressor unloads.

20. Check air system for leaks.
21. Remove wheel chocks.



22. Release truck.

## REIMBURSEMENT

<b>This repair is covered by an authorized Safety Recall. Reimbursement is obtained through the normal claim handling process.</b>	
	<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>	
1720-16-09-01 Campaign General (0.1x15)	1.5
<b>Causal Part</b>	3173150
<b>Authorization Number</b>	C0443

**Note:** Dealers are to perform Safety Recall Campaigns 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, it is strongly recommended that every effort be made to perform the recall correction before the vehicle released to the owner.