

# SAFETY RECALL

**VOLVO Trucks North America**  
Greensboro, NC USA

**VOLVO**

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**Norgren Collet Inspection/Replacement**  
VAH, VHD, VN

## SAFETY RECALL INFORMATION

**(January 2021)**

On certain vehicles, the collets (internal jaws) for the brass fitting inserts used in the pneumatic (air) pass through plate may have been damaged during leak testing by the supplier, Norgren. The potential consequence is the brass fitting may completely release the air line from the pass through plate while under pressure. If this occurs on the park brake circuit, signal pressure that holds of the mechanical spring in the park brake chambers will be lost allowing the park brakes to apply.

If the park brakes apply, the driver may lose control of the vehicle under certain conditions increasing the risk of a vehicle crash.

### VEHICLES AFFECTED

Certain 2021 VAH, VHD, VNL, and VNR model vehicles manufactured from July 8, 2020 through January 11, 2021.

### VEHICLE QUANTITY

8,014 (6,952 US, 994 Canada, 68 Mexico)

### SOLUTION

An Inspection needs to be performed in order to determine if repair is necessary.

## DECOMMISSIONING THE TRUCK FOR INSPECTION/REPAIR



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.

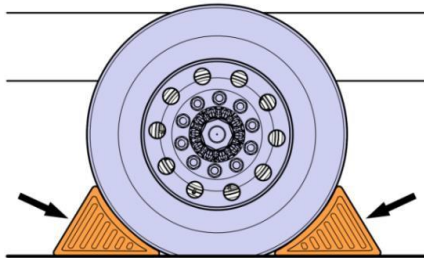
### NOTE

The Illustrations shown in this document are used for reference only and may differ slightly from the actual vehicle being serviced. However, the replacement procedure is represented as accurately as possible.

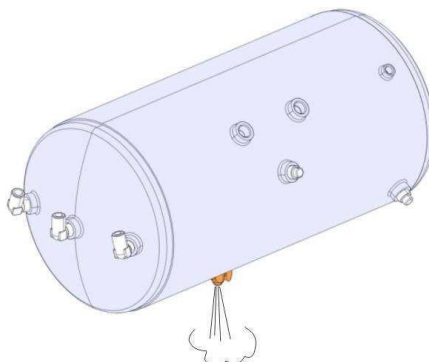
### NOTE

Wear safety glasses during the duration of this repair to protect from possible inadvertent glass breakage

1. Secure the vehicle for service by parking on a flat and level surface.
2. Apply parking brake.
3. Place the transmission in neutral or park.
4. Install the wheel chocks.



5. Disconnect the cable from the battery's negative (ground) terminal.
6. Unlatch and raise the bonnet.
7. Drain the compressed air tanks.



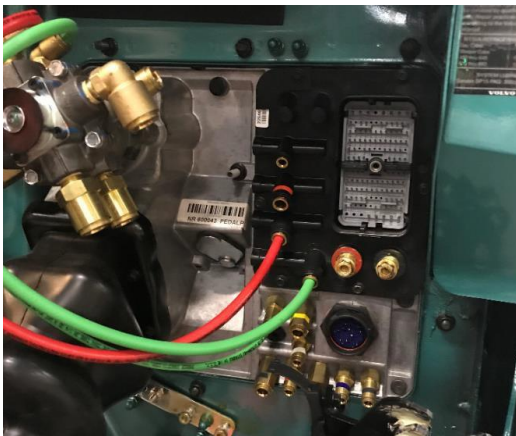
## INSPECTION PROCEDURE

### INSPECTION PROCEDURE - EXTERIOR SIDE OF PASS THROUGH

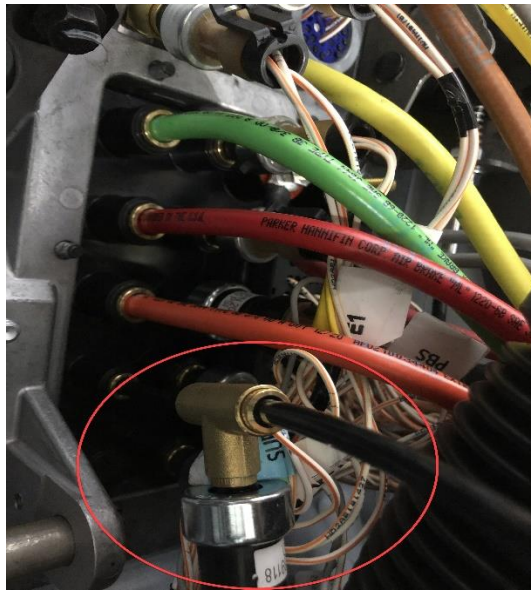
1. Remove the cable tie securing the air line bundle going into the pass through. This bundle will include the orange air line that supplies air to the park brake circuit port on the pass through.



2. One at a time, push in twice and then pull out firmly once on each air line inserted into the pass through.



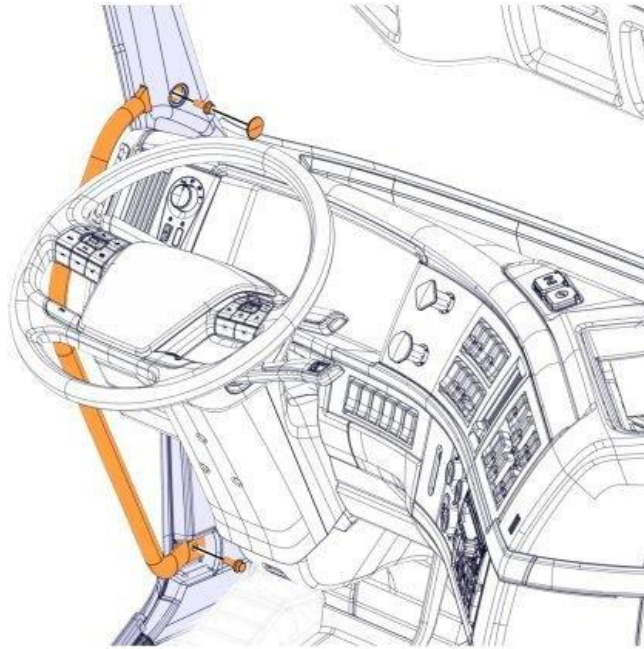
3. One at a time, pull out firmly on each transducer inserted into the pass through.



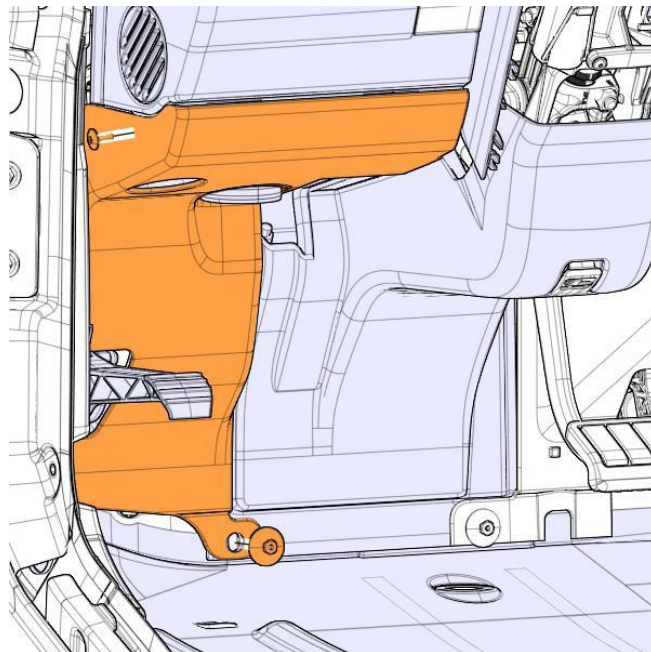
4. If no fault found, exterior inspection is complete. If any air line or transducer comes free or is loose, proceed with replacement of affected collet(s) on page 7. Document the position of any collet found to be faulty and include this when submitting the claim.
5. Replace the cable tie on the air line bundle that was removed for inspection.
6. Close hood, and proceed to next step.

## INSPECTION PROCEDURE - INTERIOR SIDE OF PASS THROUGH

1. Remove the screw cover.
2. Remove the screws.
3. Remove the handle.



4. Remove the screws.  
**Note:** Pull floor mat back to expose the screw on the lower end.
5. Remove the panel exposing the interior side of pass through.

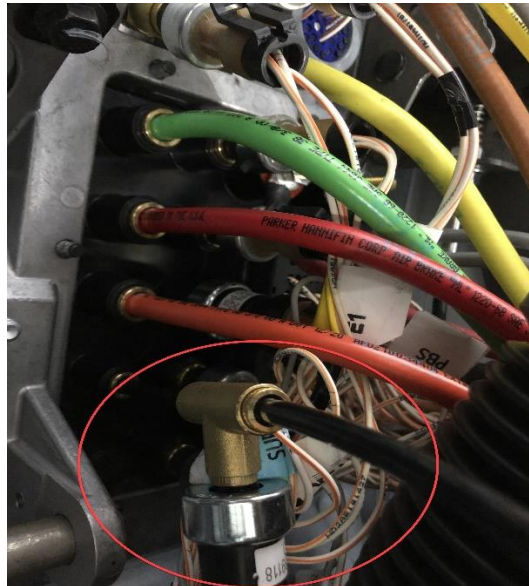




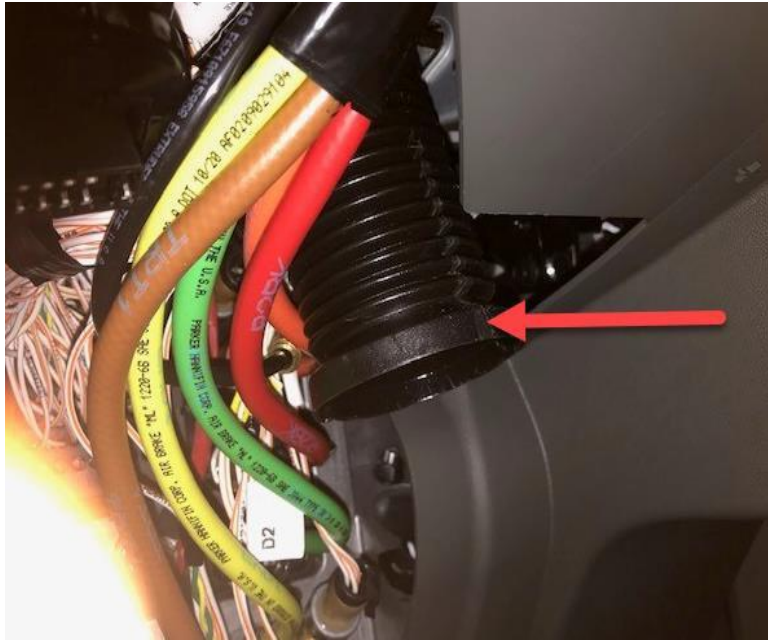
6. Pull the air vent down, moving it out of the way to allow for air line inspection.



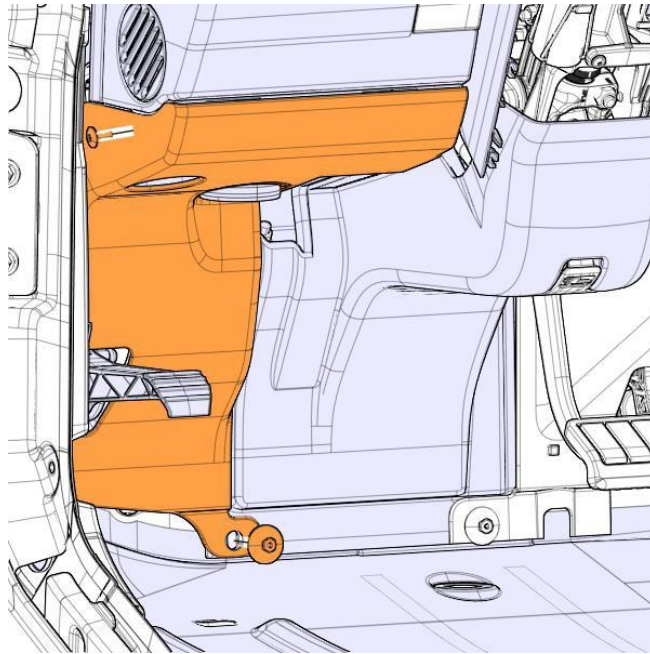
7. One at a time, push in twice and then pull out firmly once on each air line inserted into the pass through.
8. One at a time, pull out firmly on each transducer inserted into the pass through.



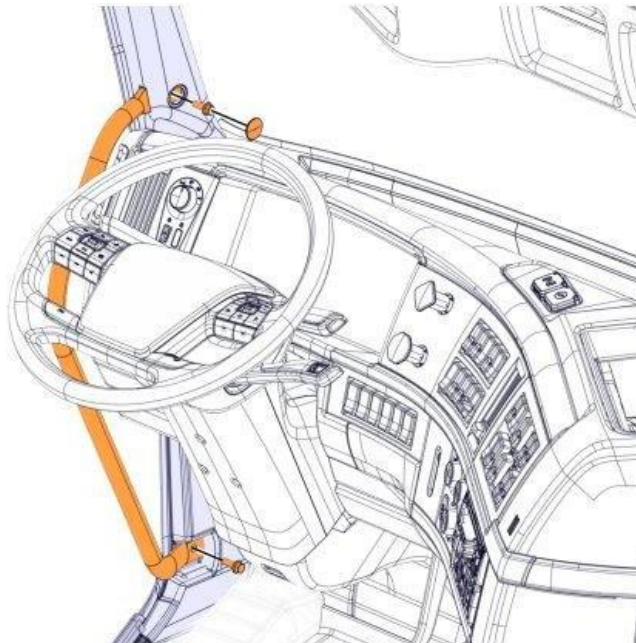
9. If no fault found, inspection is complete. If any air line or transducer comes free or is loose, proceed with replacement of affected collet(s) on page 7. Document the position of any collet found to be faulty and include this when submitting the claim.
10. Start vehicle and build air pressure to compressor cut out. Apply foot brake, listen for audible air leaks at the pass through. If leaks are found repeat inspection procedure.
11. Reinstall air vent.



6. Install the panel.
7. Install the screws.



8. Install the handle.
9. Install the screws.
10. Torque tighten the screws to 18 +/- 3 foot pounds.
11. Install the screw cover.



12. Interior inspection complete.



## REPAIR PROCEDURE

### PARTS INFORMATION:

For all parts orders, it is required to email [campaign@volvo.com](mailto:campaign@volvo.com). The body of the email must include:

- VIN being repaired
- Dealer ID number
- PO number
- Parts needed

Item	Description	Part Number	Quantity
1.	1/4 COMPACT COLLET	85108475	As needed
2.	3/8 COMPACT COLLET	85108477	As needed
3.	1/4 PRESS IN FITTING SILICONE O-RING	85146177	As needed
4.	3/8 PRESS IN FITTING SILICONE O-RING	85146178	As needed

### REQUIRED TOOLS & EQUIPMENTS:

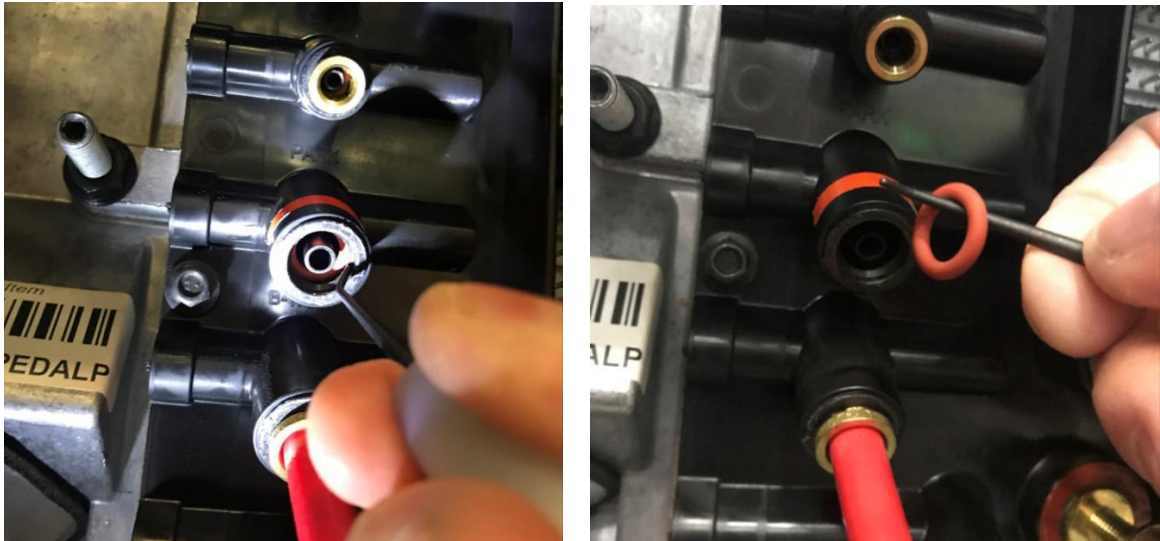
Item	Description
1.	Pliers
2.	Pick
3.	Flat head Screwdriver
4.	Torque Wrench
5.	12 mm socket
6.	10mm socket
7.	Ratchet

### REPLACEMENT PROCEDURE:

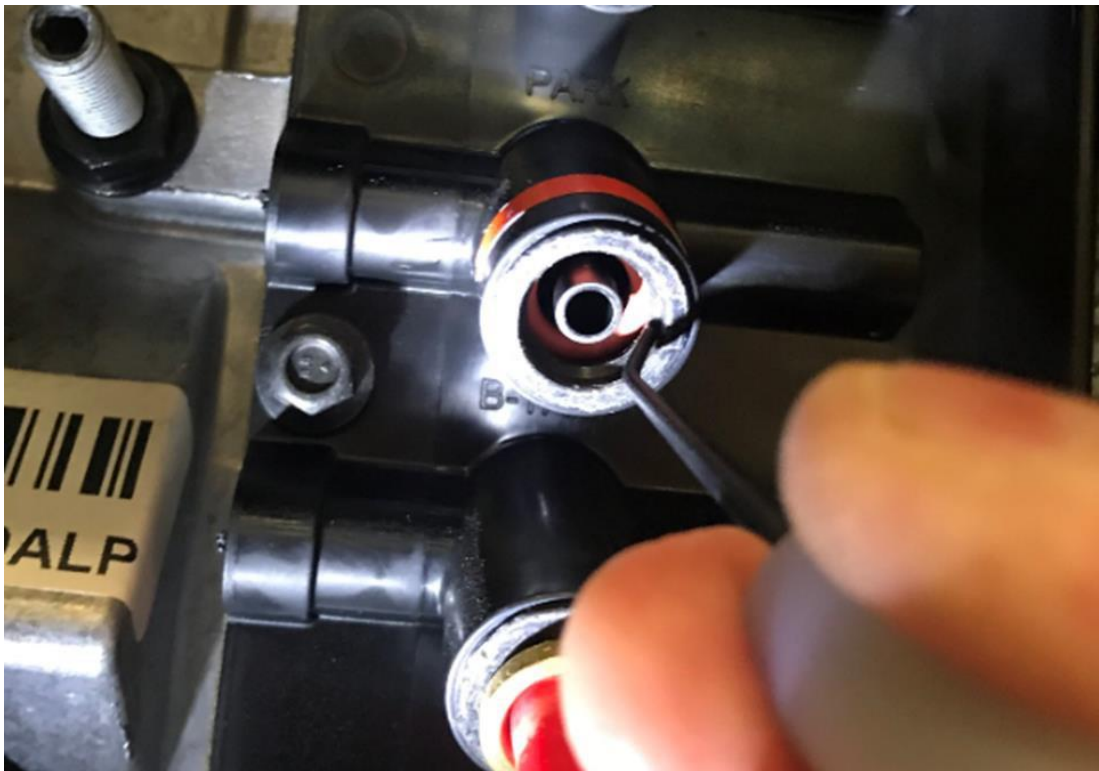
1. Remove collet from port in pass through using a pair of pliers.



2. Remove the O-ring from the port.  
**Note:** New O-ring is required.



3. Install a new O-ring in the port.



4. Install the new collet in the port.

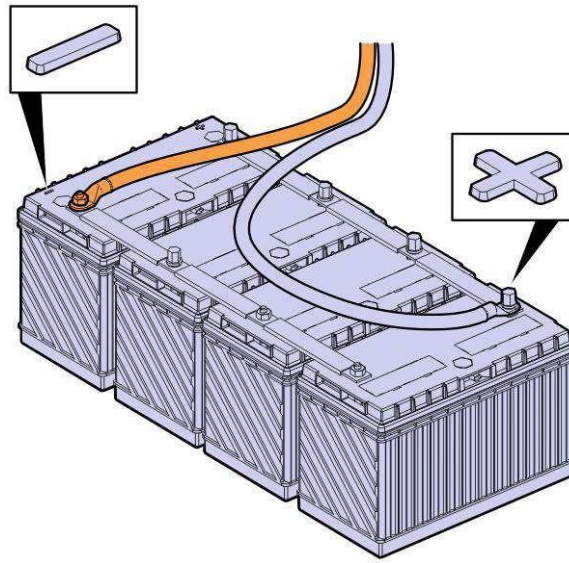


5. If the collet has an air line installed, after collet replacement insert the air line into the repaired port and repeat two firm pushes and one pull to ensure the collet has been repaired. If the collet has a transducer installed, after collet replacement repeat one firm pull to ensure the collet has been repaired.

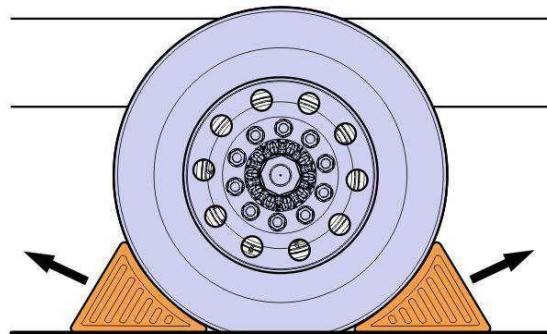


6. Repair is complete. Repeat on all loose or free air lines.

7. Connect the cable to the negative terminal.



13. Start the engine.
14. Idle engine until the pneumatic system is at operating pressure.  
**Note:** The pneumatic system is full when the compressor unloads.
15. Check for leaks and proper operation.
16. Remove the wheel chocks.





## Safety Recall

01/21

RVXX2006

(11)

**REIMBURSEMENT:**

<b>This repair is covered by an authorized Safety Recall campaign. Reimbursement is obtained through the normal claim handling process.</b>	
<b>Claim Type</b> (used only when uploading from the Dealer Business System)	R
<b>Recall Status</b>	
<b>Vehicle repaired per instructions</b>	Modified per instructions
<b>Labor Codes</b>	
<b>Primary Labor Code</b> Inspection of pass through plate Replacement of defective collet if found (per collet)	1720-16-09-01 (0.8 hrs) 1720-16-09-01 (0.1 hrs)
<b>Causal Part</b>	85108475, 85108477
<b>Authorization Number</b>	C6621

**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, 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.