

Inspection of pass through Collets

Service Category Brakes Pneumatic

Section Brakes

Technician Skill Level C

Market North America

Applicability

VOLVO

Years	Models
2021	VN,VAH,VHD

Introduction

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 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.

Production Change Information

This bulletin applies to vehicles built within the specified production changes below.

Brand	Engine	Emission Level	Starting Build Date	Ending Build Date
Volvo	D11, D13	EOBD 19	08-July-20	08-Dec-20

Inspection of pass through Collets

Warranty Information

This repair may be eligible for reimbursement if a product failure was experienced with in 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.)		B
Primary Labor Code	Description	Hours
1720-16-09-01	Inspection of pass thru plate	0.8
1720-16-09-01	Replacement of defective collet if found (per collet)	0.1
Causal Part	85108475, 85108477	
SCC Authorization Code	S7547	

Parts Information

For all parts orders, it is required to email SCcampaign@volvo.com. The body of the email must include:

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

A response will be provided within 24hrs.

Part Names	Part Numbers	Quantity
1/4 COMPACT COLLET	85108475	As Needed
3/8 COMPACT COLLET	85108477	As Needed
1/4 PRESS IN FITTING SILICONE ORING	85146177	As Needed
3/8 PRESS IN FITTING SILICONE ORING	85146178	As Needed

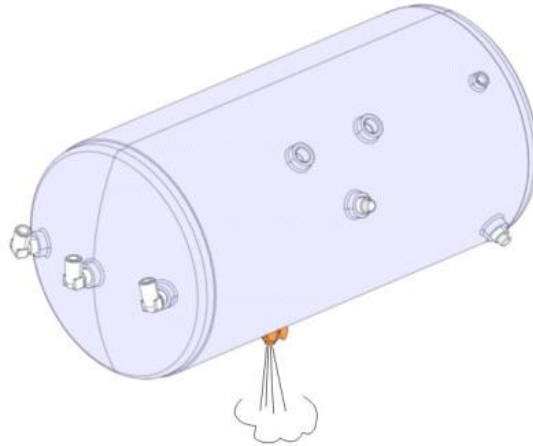
Required Tools & Equipment

- Pliers
- Pick
- Flat head Screwdriver
- Torque Wrench
- T25 torx bit
- 12 mm socket
- 10mm socket
- Ratchet

Inspection of pass through Collets

Inspection Procedure, Exterior side of pass through

1. Drain air tanks.



2. Open hood.
3. On each air hose at the pass through connection, one at a time, push in twice, and then pull out firmly.



4. If no fault found, exterior inspection is complete. If any hose comes free or is loose, proceed with replacement of affected collet(s) on page 9.
5. Close hood, and proceed to next step.

Inspection of pass through Collets

Inspection Procedure, Interior side of the pass through

1. Remove grab handle fasteners. Plastic cap will have to be removed to access top grab handle fastener. Remove grab handle.



2. Remove fastener holding panel in place



Inspection of pass through Collets

3. Pull floor mat back to expose fastener. Remove fastener. Remove panel exposing interior side of pass through.



4. Pull down on air vent, moving it out of the way to allow for air hose inspection.



5. On each air hose at the pass through connection, one at a time, push in twice, and then pull out firmly.

Inspection of pass through Collets

6. If no fault found, inspection is complete. If any hose comes free or is loose, proceed with replacement of affected collet(s) on page 9.
7. Reinstall air vent.



8. Install panel and fastener.



Inspection of pass through Collets

9. Install fastener



10. Install grab handle, torque fasteners to 18 +/- 3 foot pounds.



Inspection of pass through Collets

11. Install plug.



12. Interior inspection complete.

Inspection of pass through Collets

Collet Replacement Method

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



2. Remove the o-ring from the port, and discard.

NOTE: New O-ring is required.



Inspection of pass through Collets

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



4. Install the new collet in the port.



Inspection of pass through Collets

5. Insert the airline into the port, repeat two firm pushes and one pull on affected airline/collet to ensure the collet has been repaired.



6. Repair complete, repeat on all loose or free air hoses.