SAFETY RECALL

Volvo Trucks North America

Greensboro, NC USA

Service Brake Release Timing
VN (4)

RECALL INFORMATION

July 2026

Volvo Trucks has determined that certain model year 2025-2026 Volvo VN (4) vehicles built with a specific configuration of rear suspension, rear axle arrangement, brake chamber size and traction control do not meet FMVSS 121 (S5.3.4) release timing requirements. The specified vehicles do not meet the brake release timing requirement of a maximum of 0.55 seconds, with testing showing 0.61 seconds. While a non-compliant brake release timing may increase crash risk, the condition is not noticeable to the driver.

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

To ensure these vehicles comply with FMVSS, please follow the steps in this document to install an additional Electronic Pressure Modulator to correct the brake release timing requirement.

VEHICLES AFFECTED

Certain Volvo North America vehicles manufactured between May 28, 2024, and December 11, 2025.

VEHICLE QUANTITY

There are 282 vehicles affected by this recall (222 U.S., 60 Canada).

Required Tools & Equipment

Failure to use the proper tools when programming may result in labor times exceeding the covered limit.

- Workshop Toolbox (Latest Version)

OR

- Premium Tech Tool (PTT) (Latest Version)
- Vocom II Tough: 88894400.
- USB cable: 88890313.
- 16-pin OBD cable: 88894001 (blue end).

Parts

Order all parts using the normal process. If additional shop supplies are used, please claim under other costs.

Part Number	Part description	Quantity Per Truck
991063	Plug	4
991967	Elbow Nipple	2
3173152	Quick Release Valve	1
24079438	Bracket	1
60111757	Flange Screw	2
984735	Flange Screw	2
990940	Flange Nut	2
991084	Swivel	1
991965	Elbow Nipple	3
991083	Swivel	3
993859	Elbow Nipple	1
60110453	Nipple	1
24710104	Modulator	1
24172880	Bracket	1
60115457	Flange Screw	2
60111755	Flange Screw	2
992328	Flange Nut	4
24277102	Adapter	1
60113879	Elbow Nipple	2
991968	Swivel	1
24596680	Brake Hose	2
21022396	Cable Tie	10
24050524	Connector	2
992249	Elbow Nipple	1
60113987	Nipple	1
24893765	Tube	3
24893773	Tube	2
995115	Cover	2

EPM Harness Part Number Identification

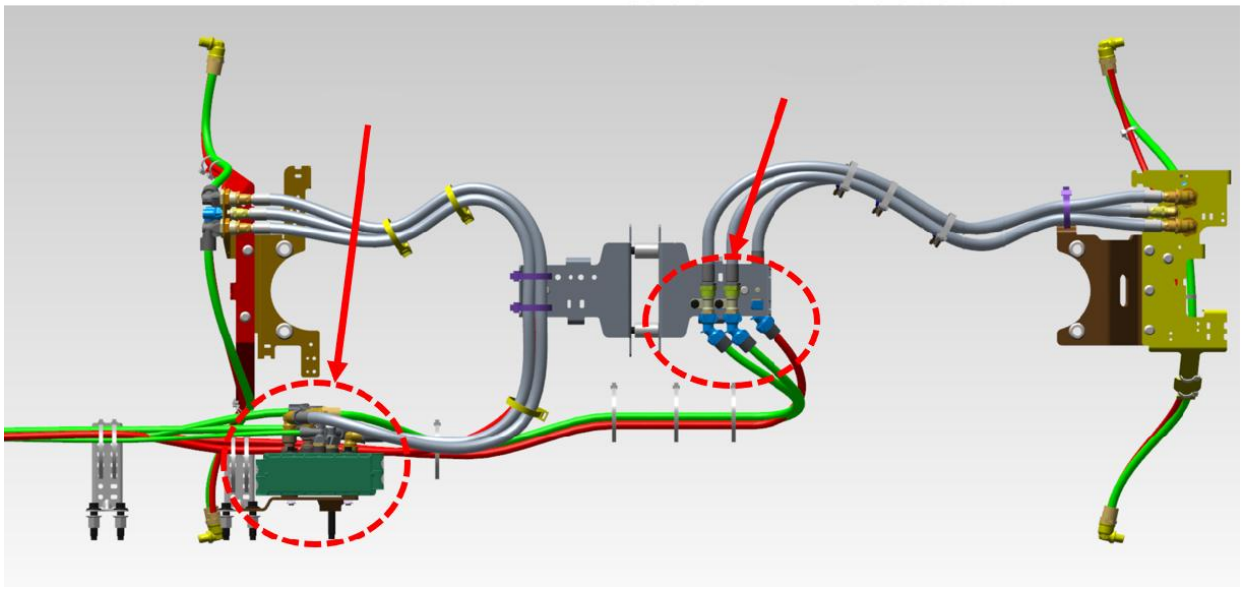
Use the chart below to identify the correct EPM harness part number needed for each VIN. If your VIN is NOT listed, order part number **24282449**. Order using the normal process.

VIN	Harness Part Number
4V4BC9EH0SN695027	24282446
4V4BC9EH1SN692976	24282447
4V4BC9EH2SN695353	24282450
4V4BC9EH2SN695871	24282447
4V4BC9EH3SN692977	24282447
4V4BC9EH3SN695023	24282446
4V4BC9EH4TN696800	24282450
4V4BC9EH5SN692978	24282447
4V4BC9EH5SN695024	24282446
4V4BC9EH5TN710705	24282447
4V4BC9EH7SN695025	24282446
4V4BC9EH8SN692974	24282447
4V4BC9EH9SN695026	24282446
4V4BC9EJ0SN664508	24282446
4V4BC9EJ1TN706749	24282447
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4V4BC9EJ2SN696098	24282450
4V4BC9EJ2TN699729	24282446
4V4BC9EJ3SN664566	24282446
4V4BC9EJ3TN699089	24282447
4V4BC9EJ4TN717731	24282450
4V4BC9EJ5SN664553	24282446
4V4BC9EJ5SN664567	24282446
4V4BC9EJ5SN664570	24282446
4V4BC9EJ6SN664433	24282446
4V4BC9EJ7SN664554	24282446
4V4BC9EJ7SN664568	24282446
4V4BC9EJ7SN664571	24282446
4V4BC9EJ8SN664434	24282446
4V4BC9EJ8TN706750	24282447
4V4BC9EJ8TN710054	24282451
4V4BC9EJ9SN664569	24282446
4V4BC9EJ9TN699730	24282446
4V4BC9EJXSN664435	24282446
4V4BC9EJXTN699090	24282447
4V4BC9EJXTN699655	24282446
4V4BC9EJXTN706751	24282447

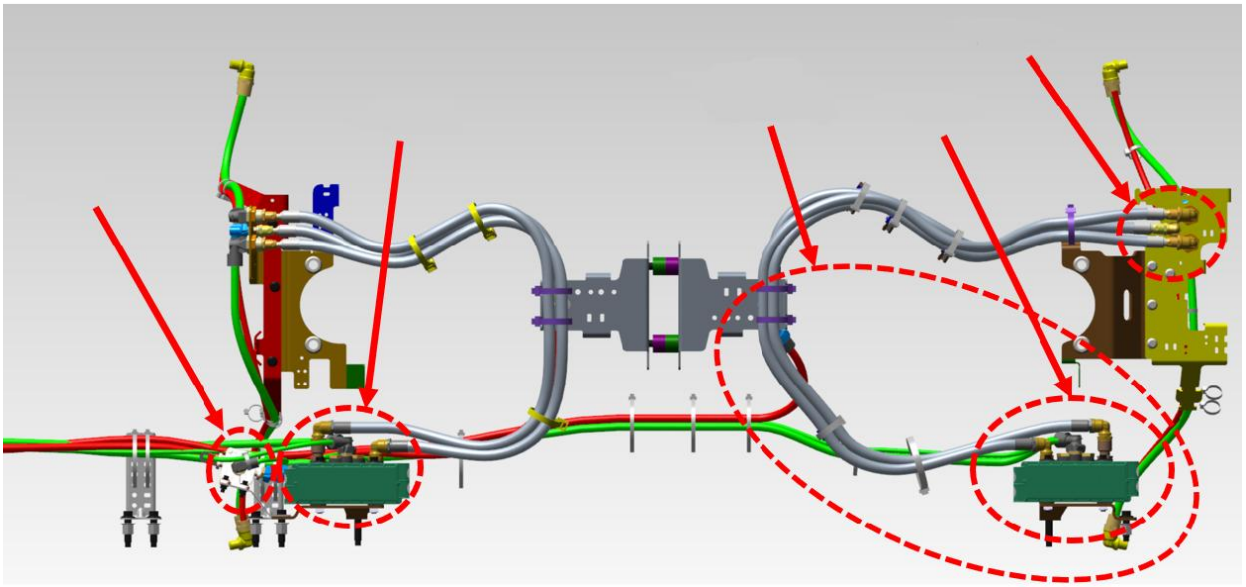
Overview of work to be completed

The following repair instructions outline the steps to convert the truck's electronic braking system from a TRACONT variant (single Electronic Pressure Modulator) to a TRAC-CH6 variant (dual Electronic Pressure Modulators).

TRACONT

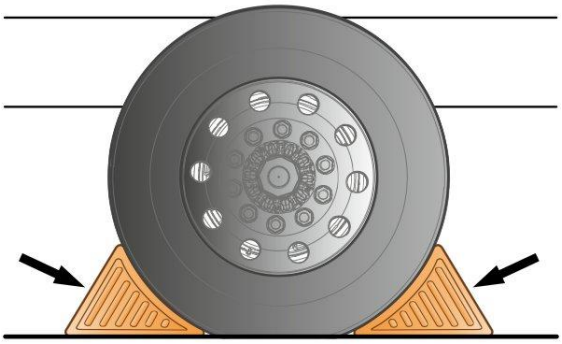


TRAC-CH6

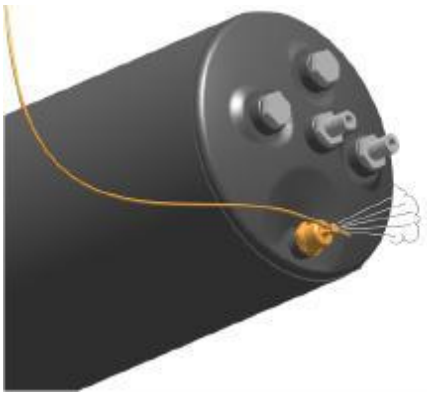


Repair Instructions

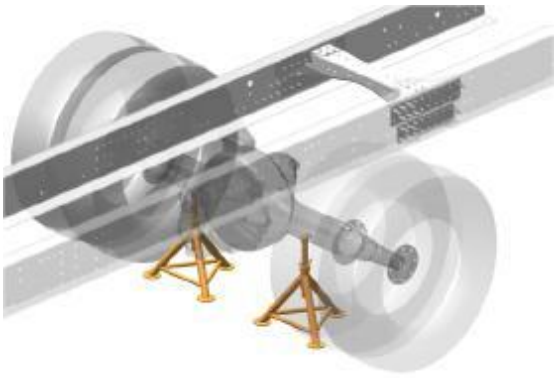
1. Secure vehicle for service.
2. Install wheel chocks.



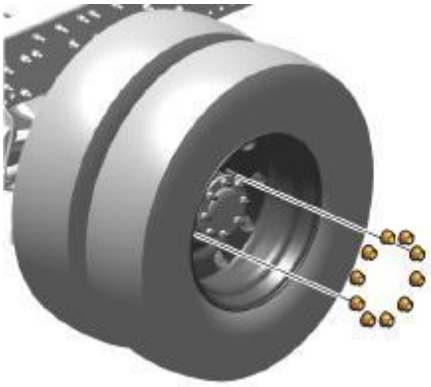
3. Follow the Impact operation 3100-09-01-06 to decommission the low-voltage system.
4. Drain the compressed-air tanks.



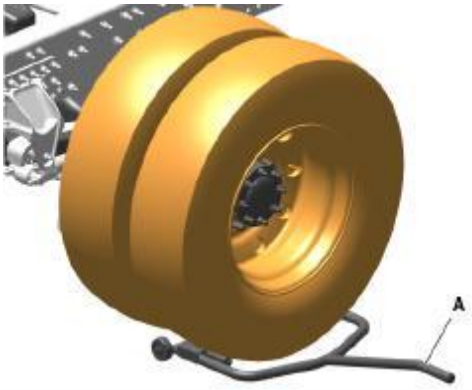
5. Raise the vehicle.
6. Position the jack stands.



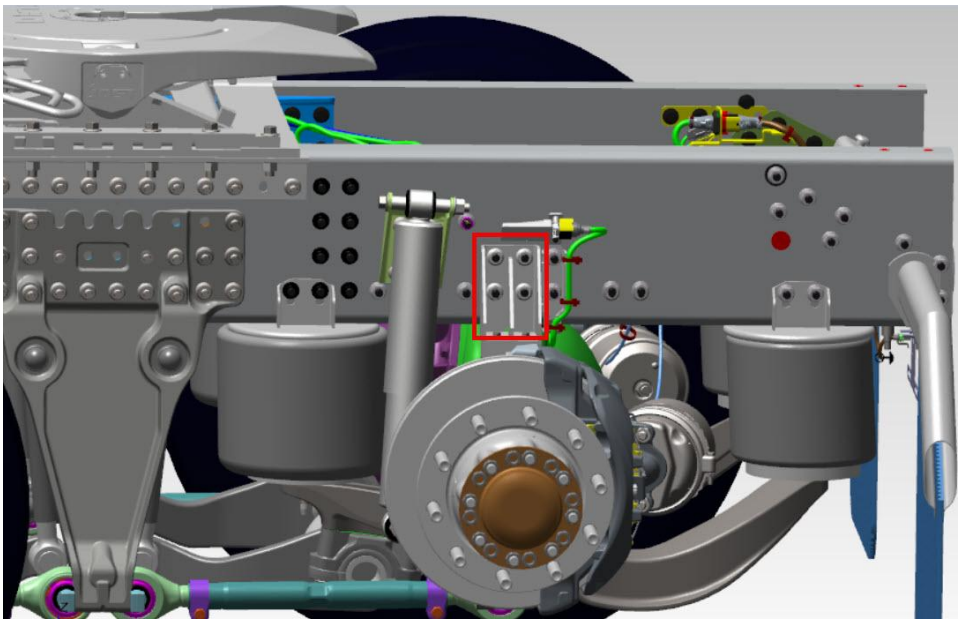
7. Remove the wheel nuts from the left side of the rear drive axle.



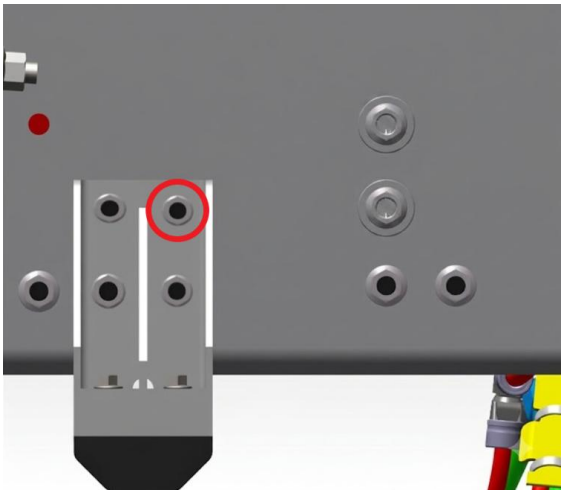
8. Remove the wheels from the left side of the rear drive axle.



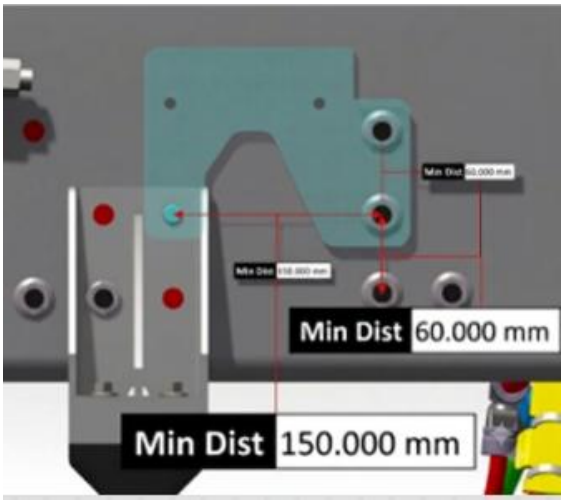
9. Locate the rearmost axle bump stop on the left side of the frame rail.



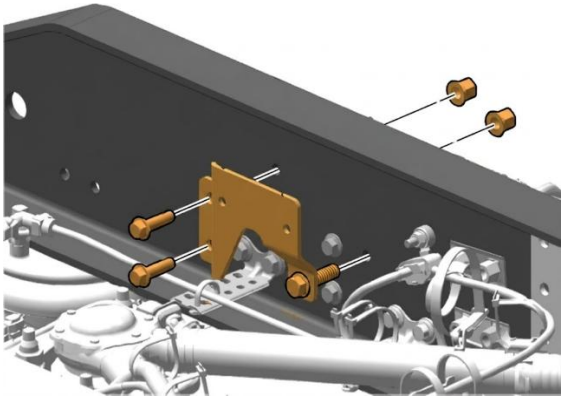
10. Remove the top right hardware from the bump stop bracket.



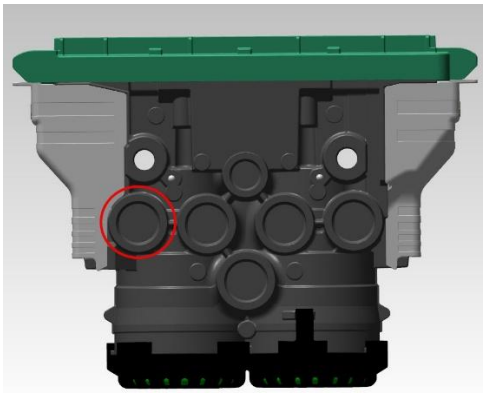
11. Drill two 15mm holes in the frame for the Electronic Pressure Modulator (EPM) mounting bracket. (The bracket can be used as a drilling template)



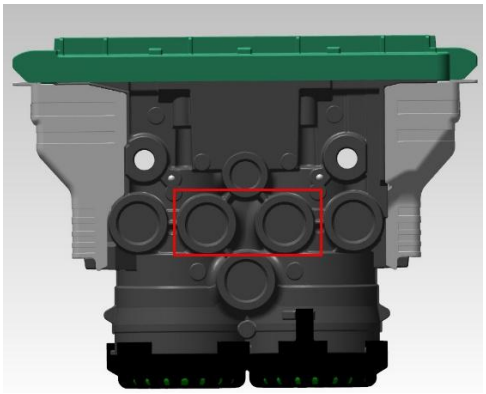
12. Install the EPM mounting bracket (P/N 24172880).
13. Install the screws P/N 60111755 x2, the nuts P/N 992328 x3. Use standard torque.



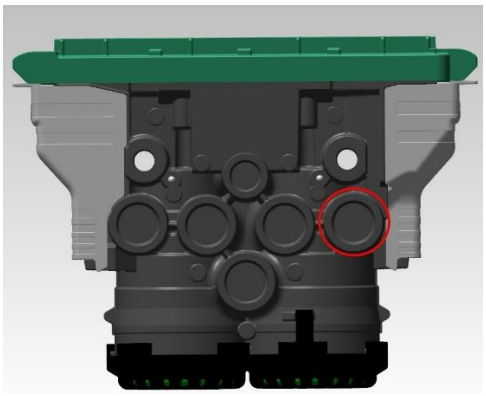
14. Combine the adapter (P/N 24277102) and nipple (P/N 60113879) and install in the left-most 22-port. **Leave loose until the modulator is installed.**



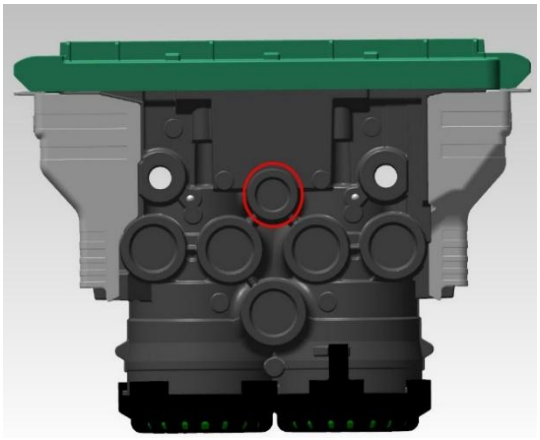
15. Install plug (P/N 901063) x 2 in the two middle ports 21 and 22.



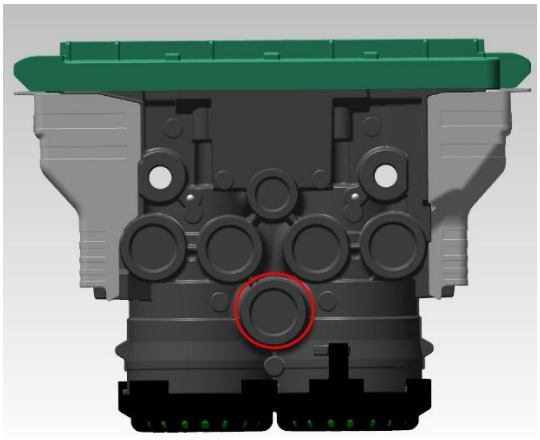
16. Install elbow nipple (P/N 60113879) into port 22. **Leave loose until the modulator is installed.**



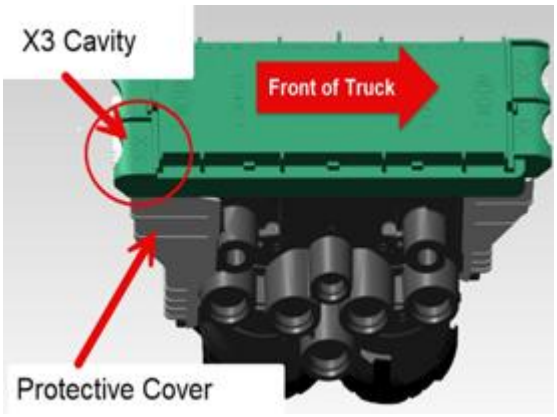
17. Install swivel (P/N 991083) into port 4.



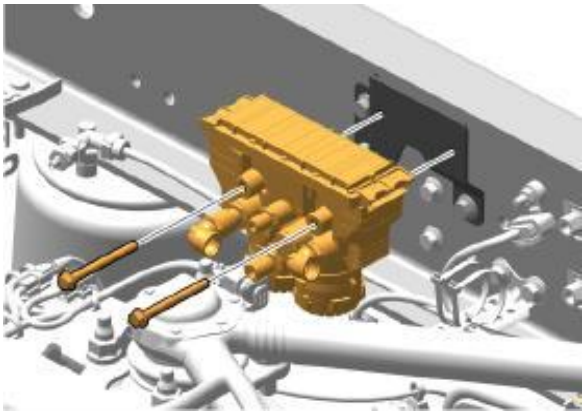
18. Install swivel (P/N 991968) into port 1



19. Remove the rear cover on the EPM and install cap (P/N 995115) on the X3 socket.



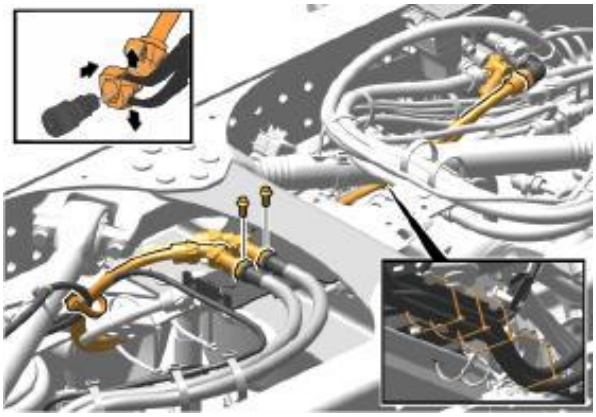
20. Install the modulator P/N 24710104 using flange screw P/N 984761 x2. Use standard torque.



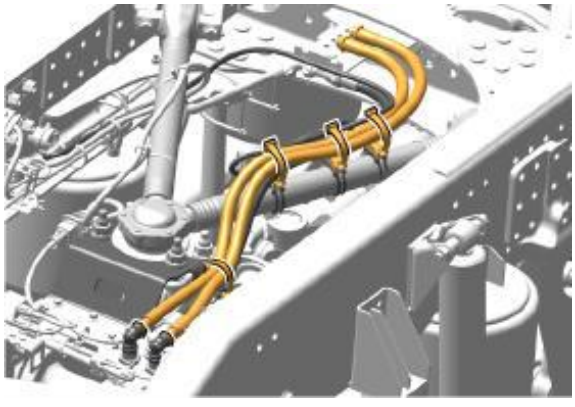
21. Torque all nipples and plugs.

Tightening Torque	
Modulator, nipple & plug	40 ± 8 Nm

22. Clean off the front EPM over the front axle with compressed air.
23. Remove the airlines from the middle 21 and 22 ports on the front EPM. Remove cable ties as needed.
24. Remove the fitting from port 21. Leave the fitting in port 22.
25. Remove the unions mounted to the cross-member bracket.

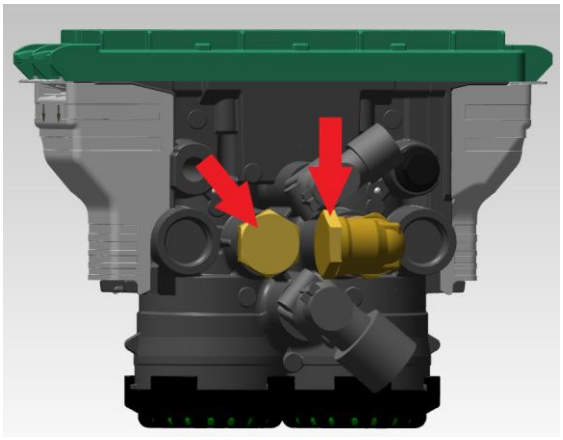


26. Remove the airlines that were disconnected from the front EPM and cable ties as needed from the chassis. Do NOT cut the cable ties off of the V-Bar.



27. Install plugs (P/N 901063) in the middle 21 port and to the fitting installed in the middle 22 port of the front EPM.

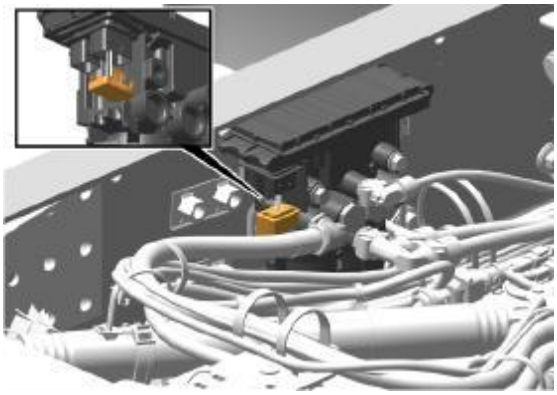
Tightening Torque	
Modulator, nipple & plug	40 ± 8 Nm



28. Remove the rear cover from the front EPM.



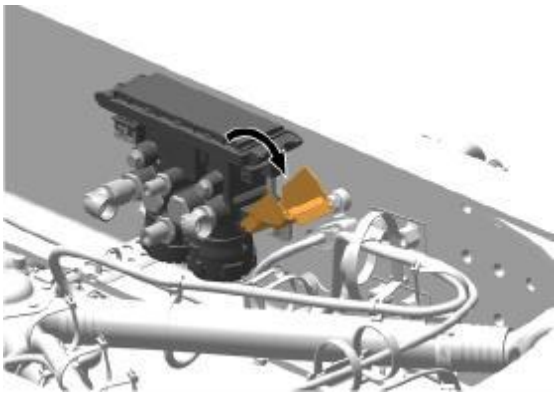
29. Disconnect the harness connector from the X3 socket and install the cap (P/N 995115).



30. Install the rear cover on the front EPM



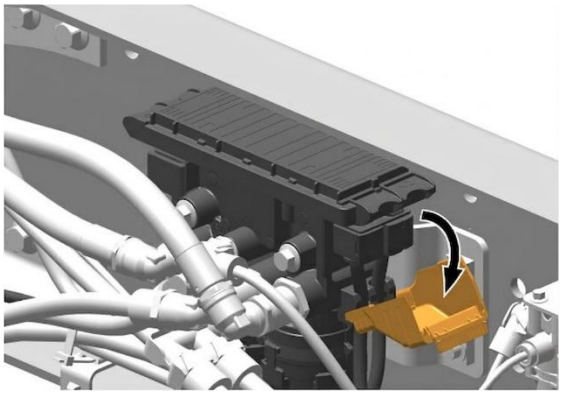
31. Remove the front cover on the rear EPM.



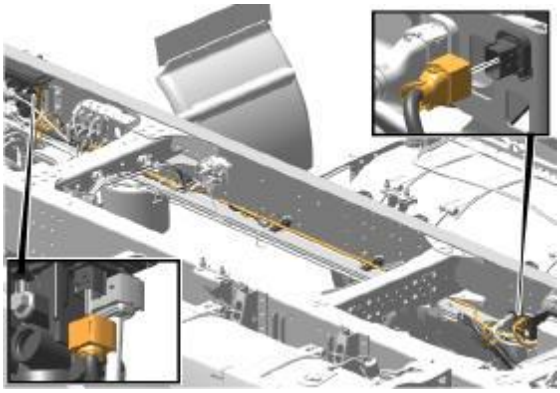
32. Reroute the harness that was disconnected in step 29 to the rear EPM. Removal and installation of cable ties will be necessary to ensure the harness reaches the rear EPM and remains secure.
33. Trim the two connector keys pictured off and connect the harness X2 of the rear EPM.



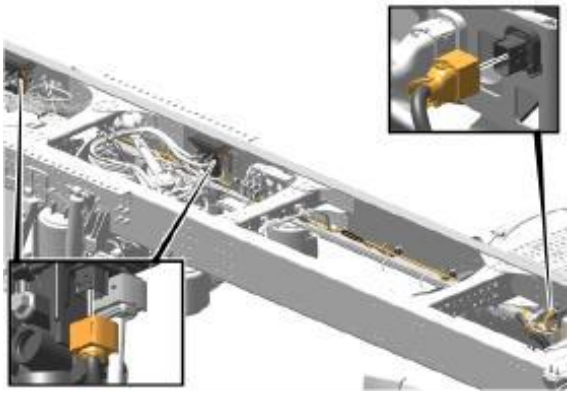
34. Remove the front cover of the front EPM.



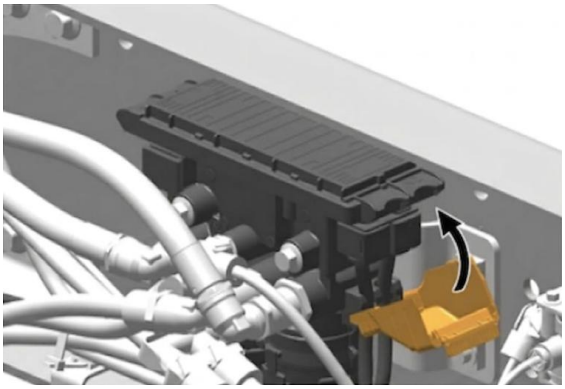
35. Disconnect the harness from the X1 connector.
36. Trace the harness forward to locate the other end's connector (By the APM). Disconnect the harness, remove cable ties, and remove the harness.

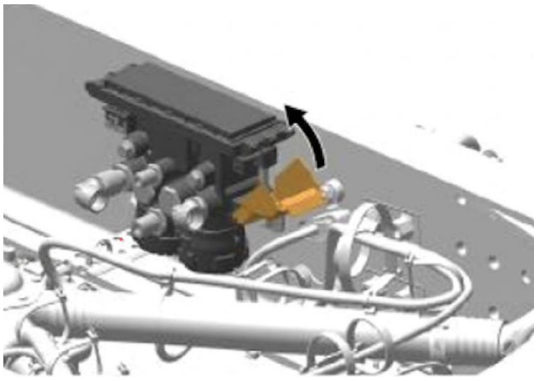


37. Install the new EPM harness. Refer to the chart for P/N. Connect it to both X1 connectors of the front and rear EPMs. Install cable ties and secure in the same manner as the removed harness.

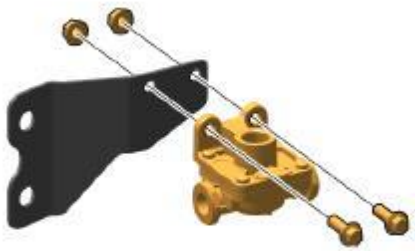


38. Install the front covers on both EPMs.





39. Mount Quick Release Valve P/N 3173152 to Bracket P/N 24073438 using two flange screw P/N 984735 and two flange nuts P/N 990940.

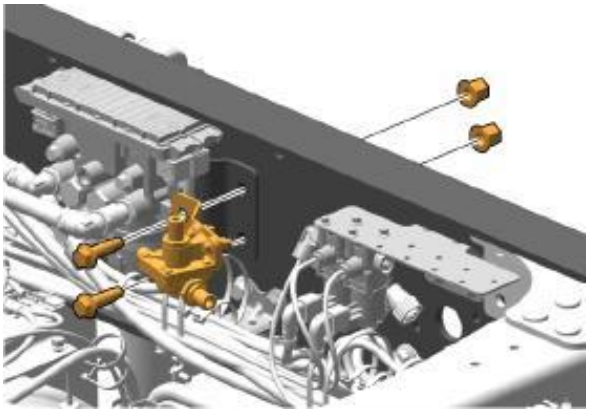


40. Install and torque fittings. Top Fitting – P/N 991084, Side Fittings P/N 991083 x2.

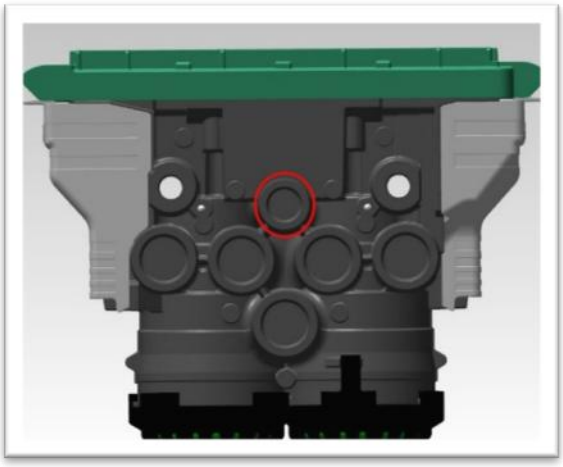
Tightening torque		
Modulator, nipple	Side Fittings	M16x1.5
		40 ±8 Nm
	Top Fitting	M22x1.5
		40 ±8 Nm



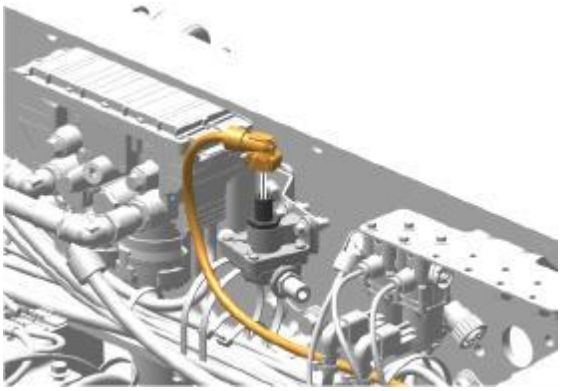
41. Remove the front two fasteners from the front EPM bracket and use flange screw P/N 60115457 x2 and nut P/N 992328 x2 to mount the QRV assembly.



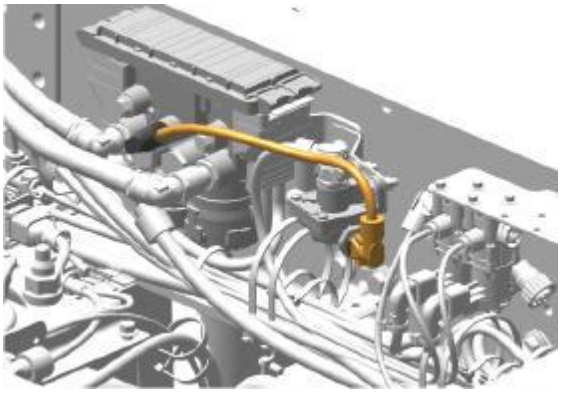
42. Disconnect the airline from port 4 of the front EPM.

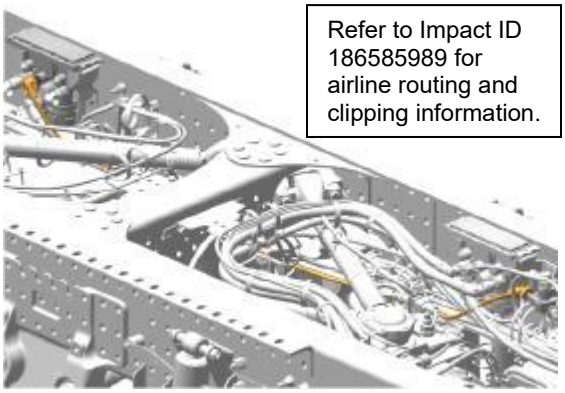


43. Connect the removed airline to the top port (port 1) of the QRV. Use fitting P/N 991965.

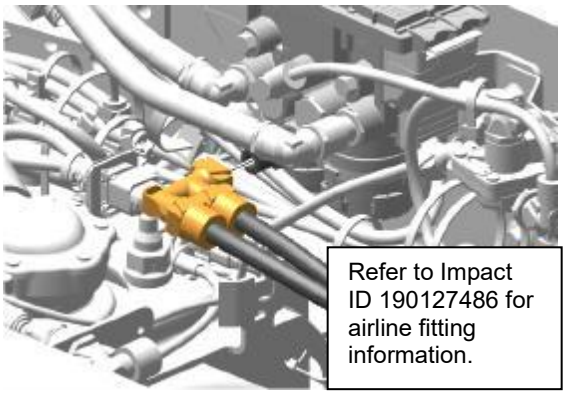


44. Connect the two side ports to QRV to port 4 of both the front and rear EPMs using 3/8s airline. Use P/N 991965 in the front port and P/N 993859 and 60110453 in the rear port.

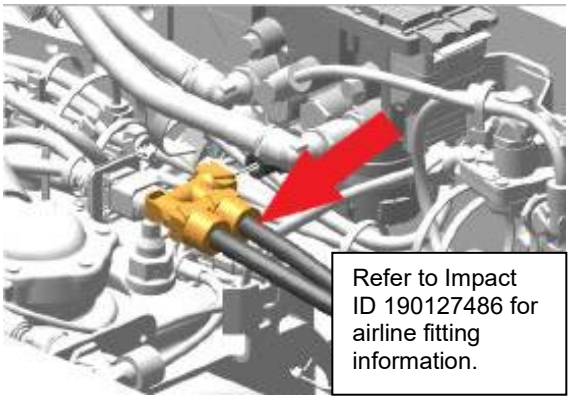




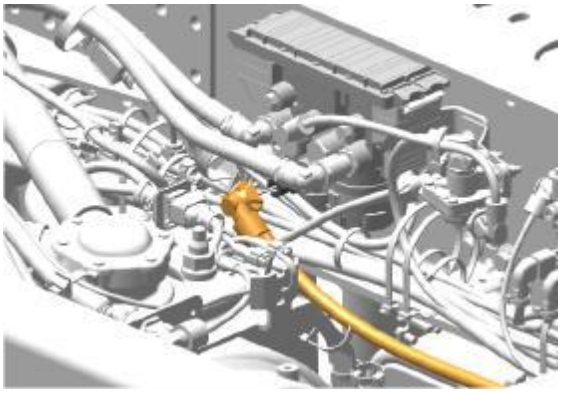
45. Disconnect the fitting from port 1 of the front EPM.



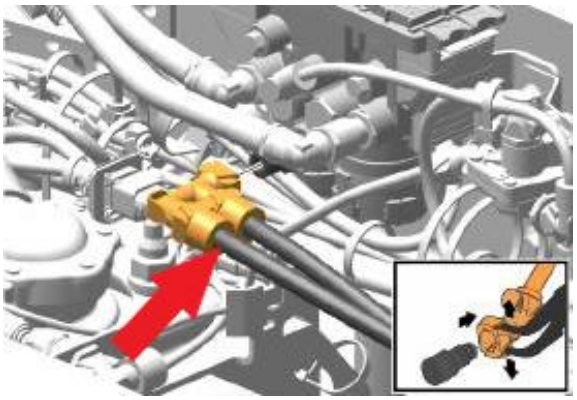
46. Remove the inside line from the fitting. (The 3-way fitting can be disregarded at this step)



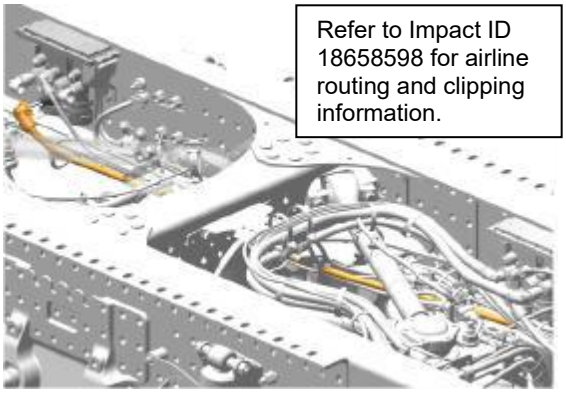
47. Connect the removed airline to port 1 of the front EPM. Use fitting P/N 991967.



48. Remove the outside line.

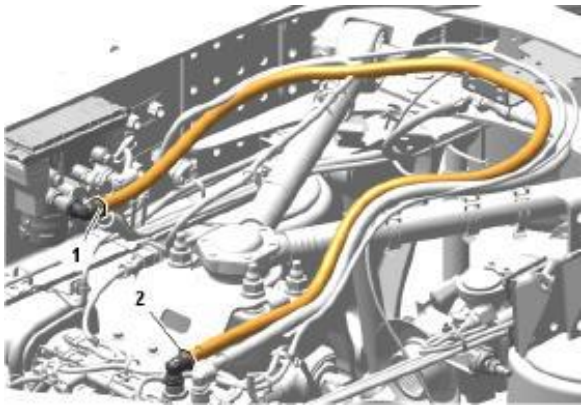


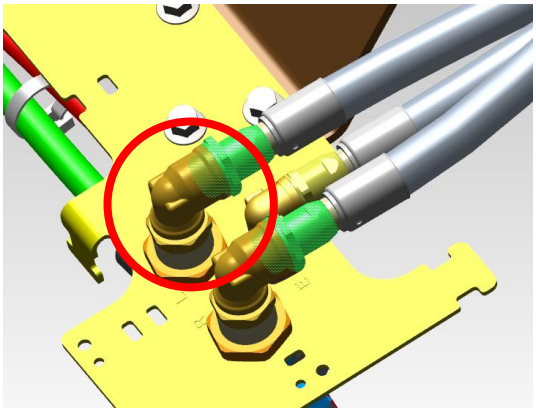
49. Extend the airline with a 5/8s union and connect it to port 1 of the rear EPM. Use P/N 991967 to connect to the EPM.



50. Connect hose P/N 24596680 between port 22 of the rear EPM and the left fitting on the bulkhead bracket. Use fitting P/N 24050524 at the bulkhead to connect the hose.
51. Torque the hose nuts.

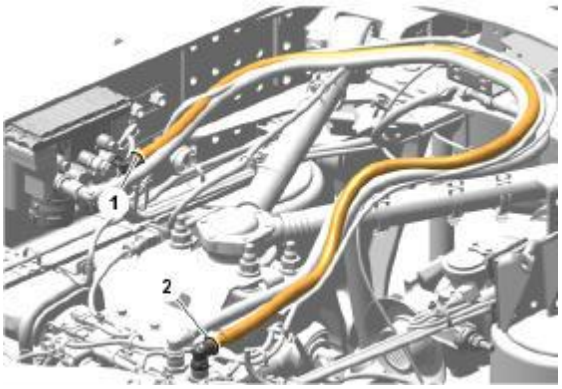
Tightening torque	
Brake hose, connector, nut	40 ±8 Nm

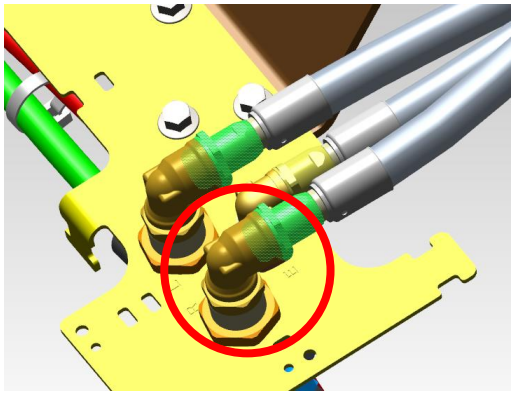




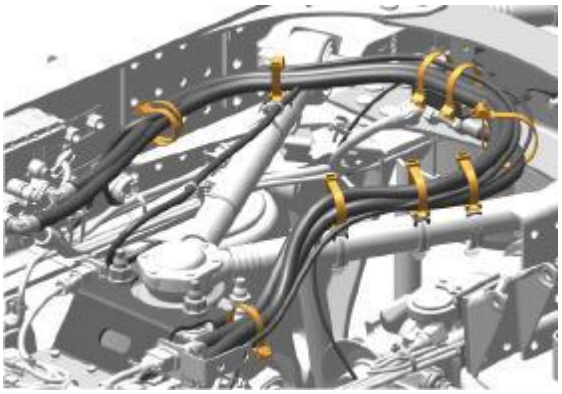
52. Connect hose P/N 24596680 between port 21 of the rear EPM and the right fitting on the bulkhead bracket. Use fitting P/N 24050524 at the bulkhead to connect the hose.
53. Torque the nuts.

Tightening torque	
Brake hose, connector, nut	40 ±8 Nm

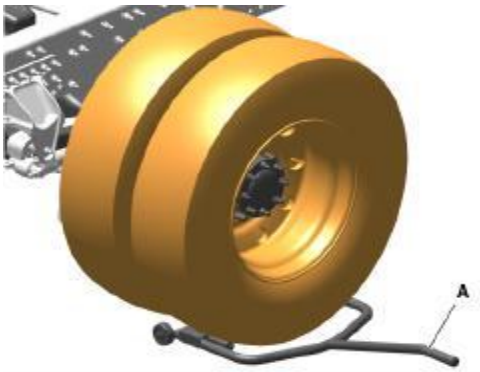




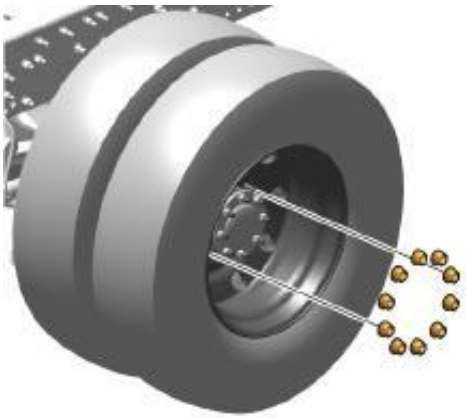
54. Secure the air hoses using cable ties.



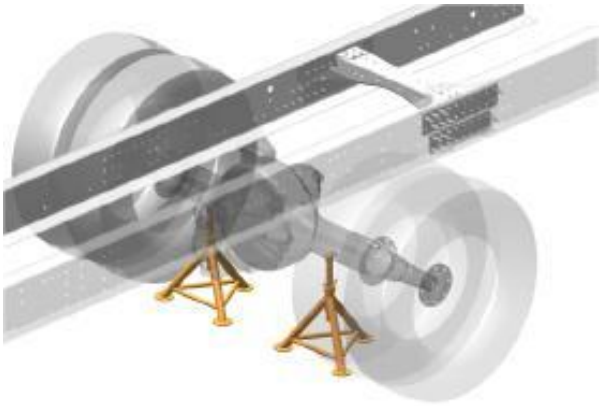
55. Ensure that all harnesses and airlines are routed and secure. Use cable ties as needed.
56. Install the wheels.



57. Install the wheel nuts.



58. Remove the jack stands.



59. Lower the vehicle.
60. Torque the wheel nuts.

Tightening torque	
Wheel, nut	Tightening sequence: 1–10
	644 ±34 Nm



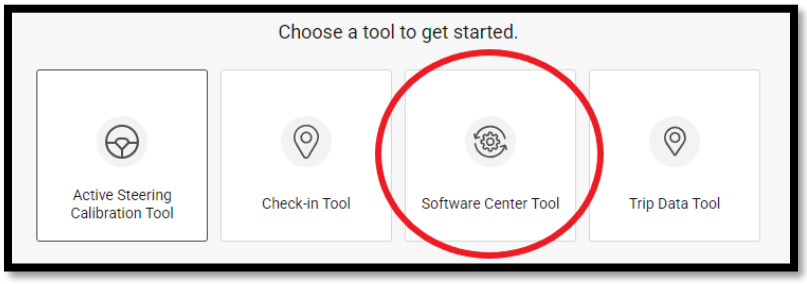
61. Follow the Impact operation 3100-09-01-05 to commission the low-voltage system.
62. Turn the ignition to the on position.

63. Select the tool that will be used from the options below and continue with the corresponding repair instructions.
    - Workshop Toolbox
    - Premium Tech Tool

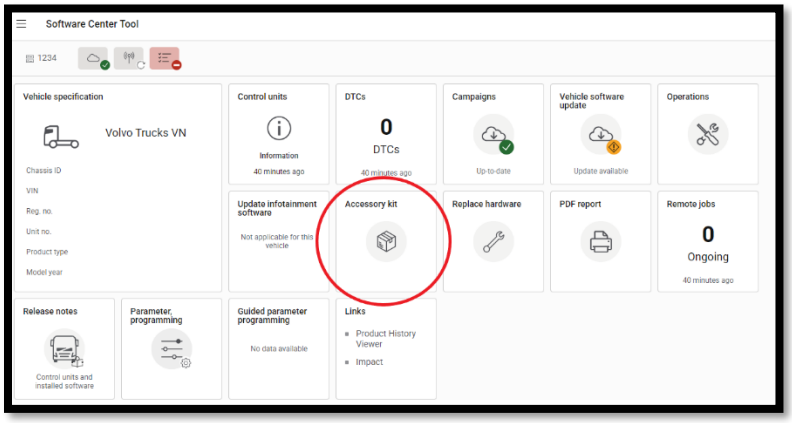
Workshop Toolbox Instructions

- Connect the vehicle to Workshop Toolbox
- Once connected, select the Software Center Tool

Important Note
If the unit needs a complete service pack update, please perform the update outside of this recall and claim using the normal warranty process.



- Select Accessory Kit



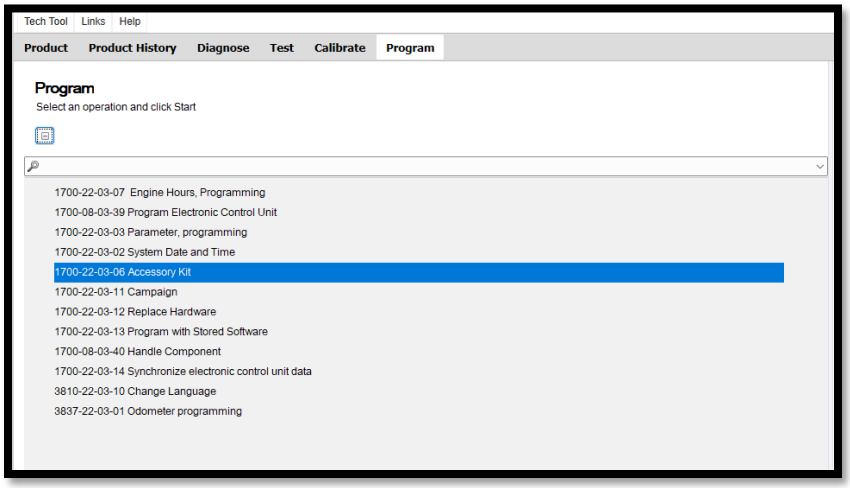
- Enter accessory kit number **26215197**
- Install accessory kit
- Once programming is complete, clear DTCs caused by programming

PTT Instructions

- Connect the vehicle to PTT
- Once connected, select the Programming tab

Important Note
If the unit needs a complete service pack update, please perform the update outside of this recall and claim using the normal warranty process.

- Then select operation **1700-22-03-06 Accessory Kit**



- Enter accessory kit number **26215197**
- Install accessory kit
- Once programming is complete, clear DTCs caused by programming

63. Idle truck to build air pressure.
64. Check the air system for leaks.
65. Release the truck.

REIMBURSEMENT

This repair is covered by an authorized Non Compliance 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	
5000-19-09-01 Brake System, Refit	3.0
Causal Part	24710104
Defect Code	09
Authorization Number	C0536

Note: Dealers are to perform Non Compliance Recall (or Safety Recall Campaign) 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 Non Compliance Recall (or 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.