

VN(4) Parking Heater Plumbing

Release: 1**Technician Skill Level:** A**Revision Note:** 11/2025 Initial Release**Market:** North America**Service Category:** Service Department**Applicability:** Please refer to VDA+**Section:** Function Group 818**Description:**

Certain VN(4) model vehicles may have been built with the inlet and outlet parking heater coolant hoses incorrectly plumbed.

Concern:

If coolant runs through the heater unit backwards, damage to the parking heater could occur.

Action:

Follow the instructions below to inspect for inlet and outlet coolant hose plumbing. If inlet and outlet hoses are incorrectly installed, replacement of the parking heater burner unit and correction to the plumbing will need to be completed.

Warranty Information

This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process.		B
Main Labor Code	Description	Hours
1720-06-09-01	Campaign, Inspection .1 x 3	0.3
Labor Code	Description	Hours
8752-03-02-01	Parking Heater, Replacement	1.3
1700-22-03-12	Replace Hardware, Programming	0.3
Causal Part	23781577	
SCC Authorization Code	S4591	
Expiration Date	November 30, 2026	

Parts Information

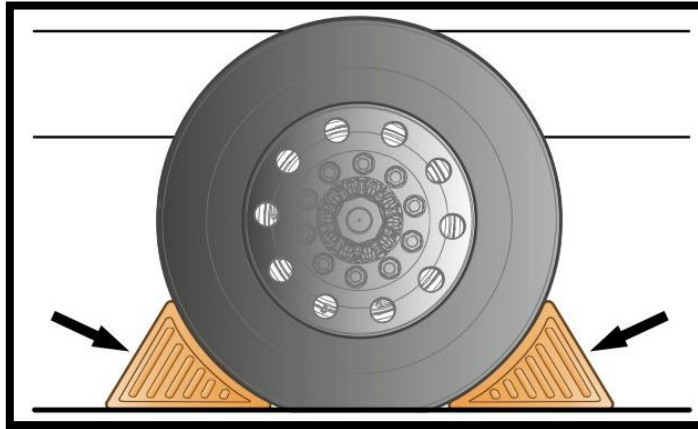
Order parts using normal process.

Part Numbers	Part Names	Quantity
23781577	Heater Unit	1 (as needed)

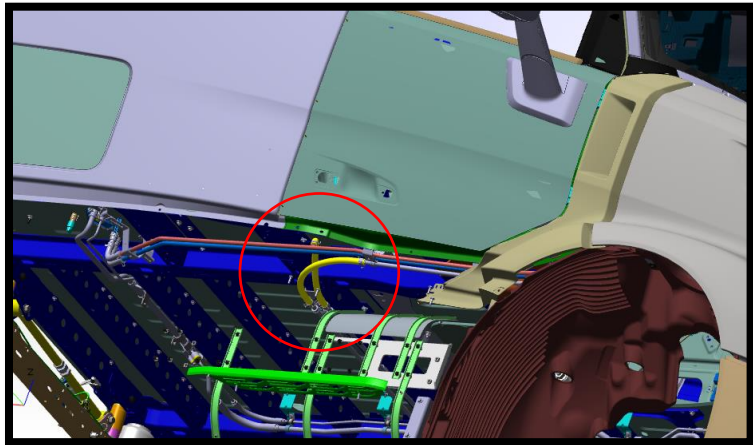
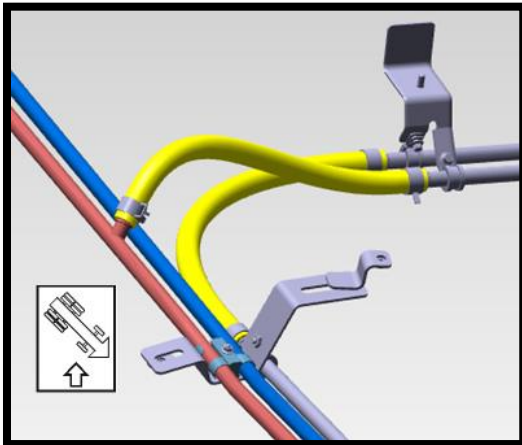
VN(4) Parking Heater Plumbing

Repair Procedure

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



5. Locate the inlet and outlet coolant hoses. Inspect coolant hoses for proper routing as shown below. The hoses should cross over one another.



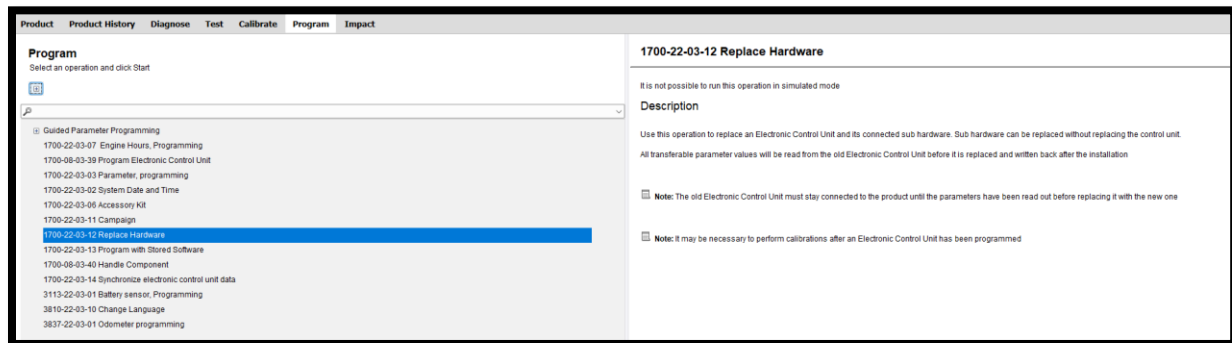
6. If coolant hoses are **correct**, release truck for service and claim inspection only.

VN(4) Parking Heater Plumbing

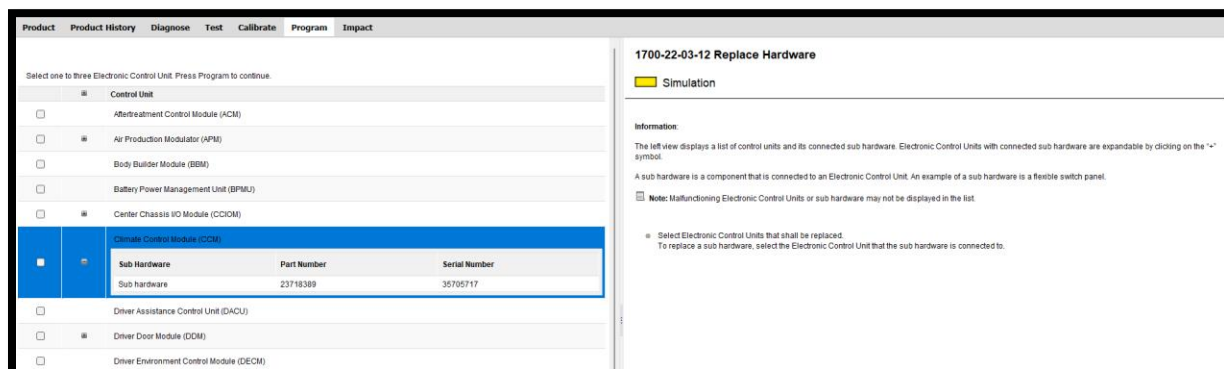
7. If coolant hoses are **incorrectly routed (as seen below)**, correct the plumbing at the location shown by swapping the hose position and follow impact procedure **8752-03-02-01 Parking Heater, Replacement** to replace the parking heater assembly.



8. If the Parking Heater required replacement, follow Premium Tech Tool function **1700-22-03-12 Replace Hardware** to ensure proper operation.
- Begin by navigating to the program tab and selecting **1700-22-03-12 Replace Hardware** option and select “start”.



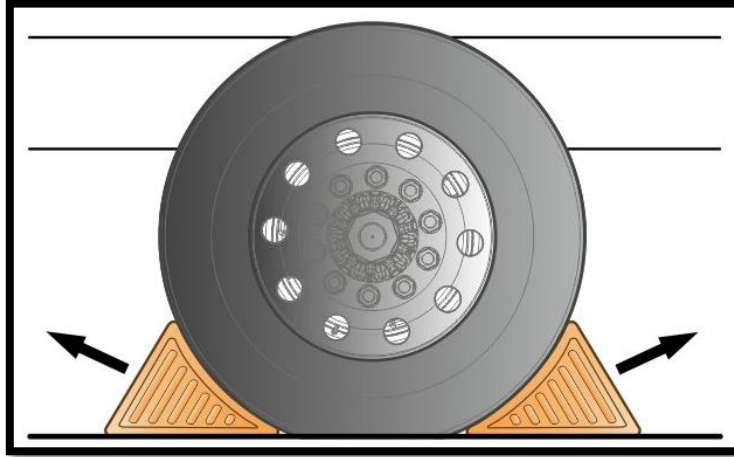
- Choose the **CCM Sub Hardware** option and select “Program”



VN(4) Parking Heater Plumbing

- c. Follow the programming steps to complete the replace hardware update. Once completed, continue to step 9.

9. Remove wheel chocks.



10. Release truck for service.