

Rear ESS Heater Bracket Update

Service Category Service

Section Function Group 311

Technician Skill Level A

Market North America

Applicability

VOLVO

Years	Models
2022-2023	VNRe

Introduction

Volvo Trucks has determined that certain VNRe model vehicles could be at risk of an electrical short due to insufficient connector clearance caused by the rear ESS heater bracket. A new updated heater bracket has been developed to provide sufficient clearance to heater connector. Follow repair instructions below to install the updated heater bracket.

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	BEV	EM-ZE	1-November-2021	08-April-2022

Warranty Information

This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process.		
Claim Type (used only when uploading from the Dealer Bus. Sys.)		B
Main Labor Code	Description	Hours
172016-09-01	Campaign, General 0.1x3	0.3
2609-01-01-04	Coolant, Draining	1.1
2609-02-01-01	Coolant, Filling	1.3
Causal Part	23760918	
SCC Authorization Code	S2973	
Expiration Date	March 31, 2025	

Rear ESS Heater Bracket Update

Parts Information

Part Numbers	Part Names	Quantity
24112754	Heater Bracket	1
24111822	Bracket Support	1



DANGER

Risk of electrical discharge.

Damaged traction voltage cables can cause electric shocks and arcs resulting in serious burns or death.

- ▶ Check that the traction voltage cables are in good condition before any operation is carried out.
- ▶ Report to the responsible person if any damaged traction voltage cables are found.



DANGER

Risk of electrical discharge.

Incorrect handling of the traction voltage system (>60 V DC) can cause electric shocks and arcs resulting in serious burns or death.

- ▶ Decommissioning and commissioning must only be carried out by personnel with adequate certification according to **Safety regulations, electric vehicles**, in function group 30.
- ▶ The steps described in the instruction are minimum requirements.
- ▶ Always comply with the local legislation or regulations with stricter safety requirements, including but not limited to, measuring tools and personal protective equipment to be used.



DANGER

Risk of electrical discharge.

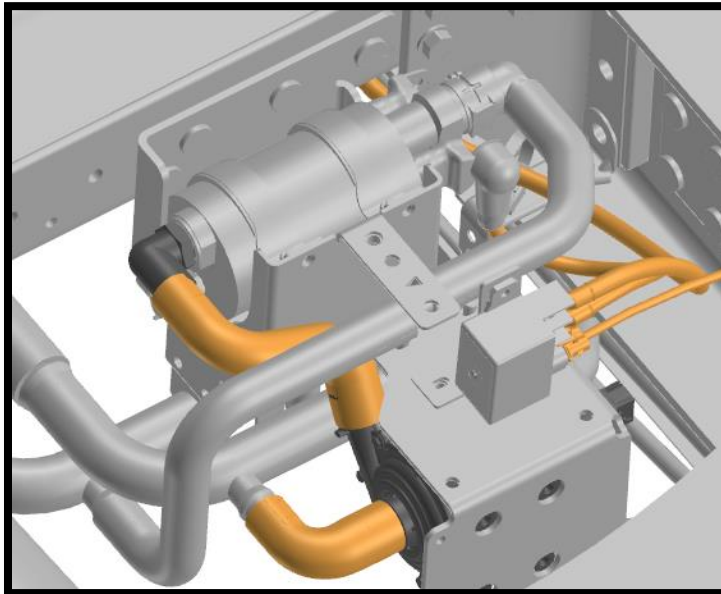
Defective gloves can result in electric shocks resulting in serious burns or death.

- ▶ Always use the gloves described in the instruction.
- ▶ Check gloves for leakage and damage before use, even if they are new.
- ▶ Ensure that gloves are completely dry before use.

Rear ESS Heater Bracket Update

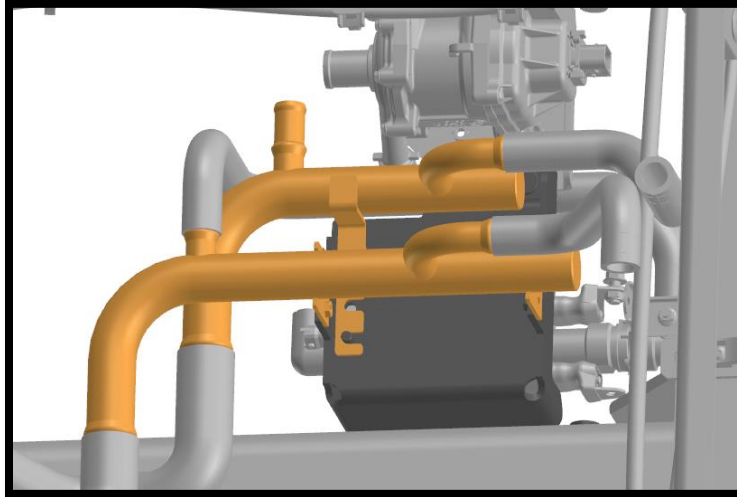
Repair Procedure

1. Follow instruction in Impact operation **2609-01-01-04** to decommission the 24-volt system and drain the coolant.
2. Remove electrical connectors from both the heater, heater relay, and water pump.
3. Position a drain container.
4. Remove clamps and remove hose from both the heater and the water pump.

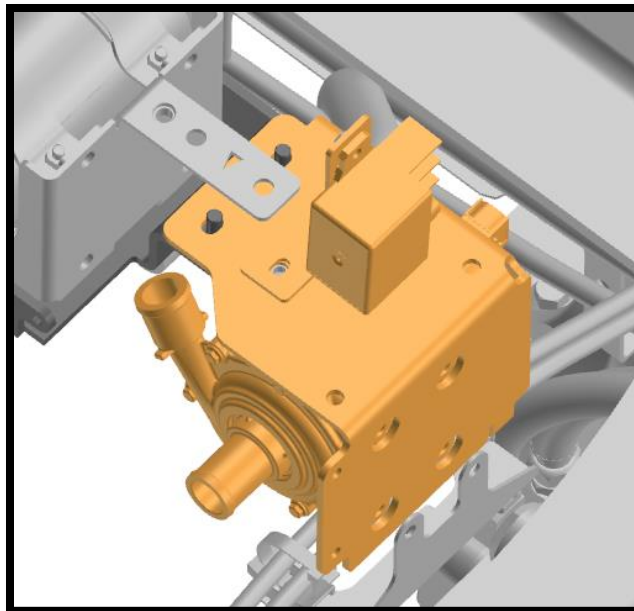


Rear ESS Heater Bracket Update

5. Remove pipes from the heater bracket.

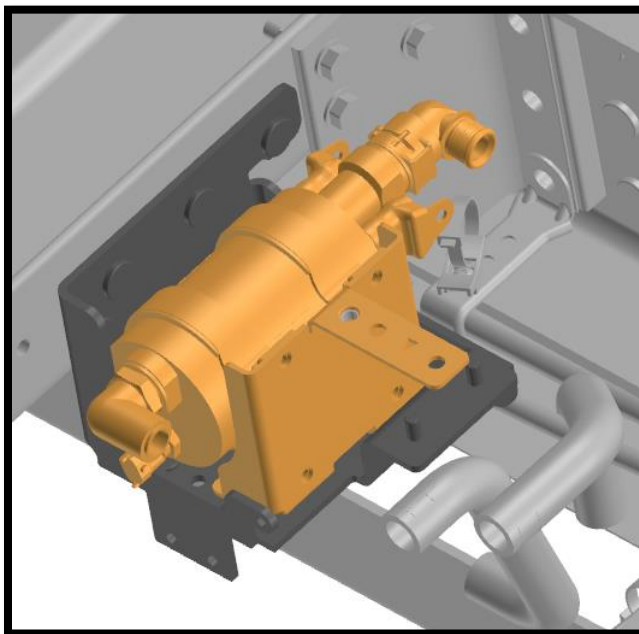


6. Remove the pump and relay assembly.

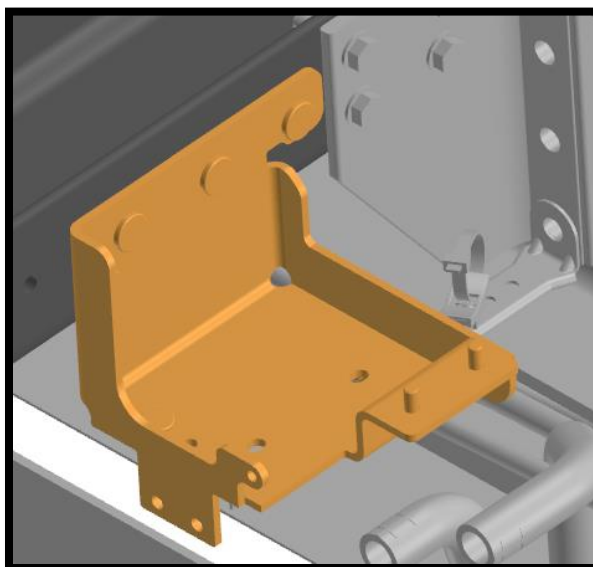


Rear ESS Heater Bracket Update

7. Remove the heater assembly.

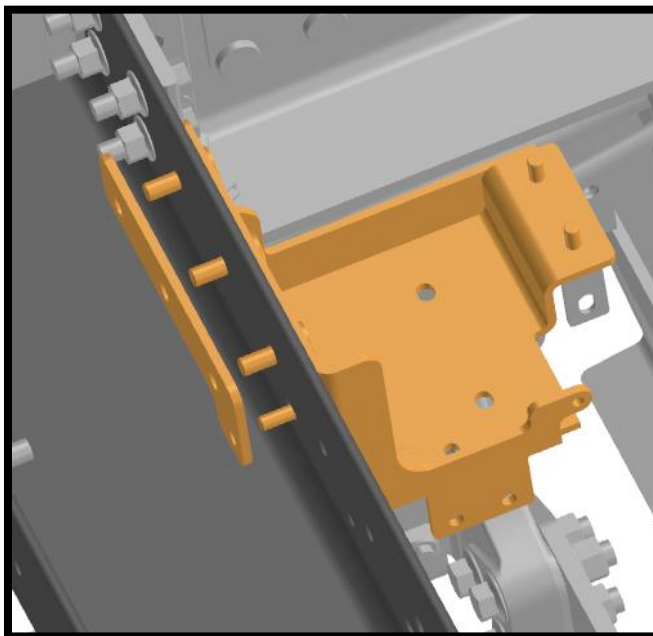


8. Remove and discard the heater bracket.

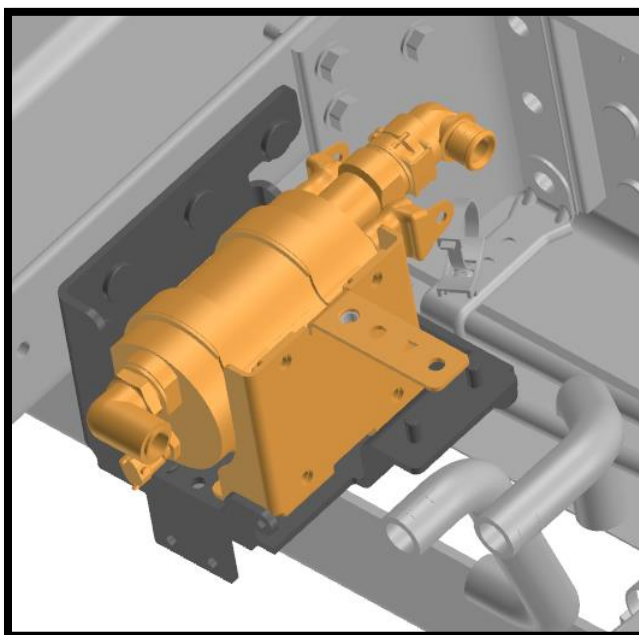


Rear ESS Heater Bracket Update

9. Install the new heater bracket P/N 24112754 and support bracket P/N 2411822.

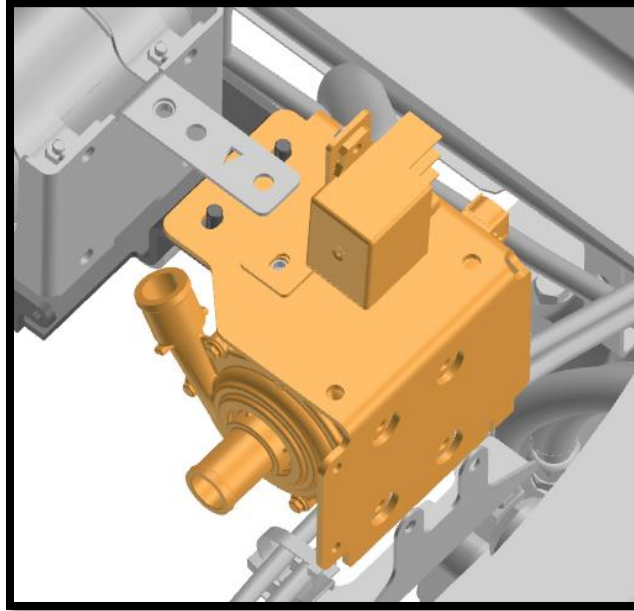


10. Install the heater assembly.

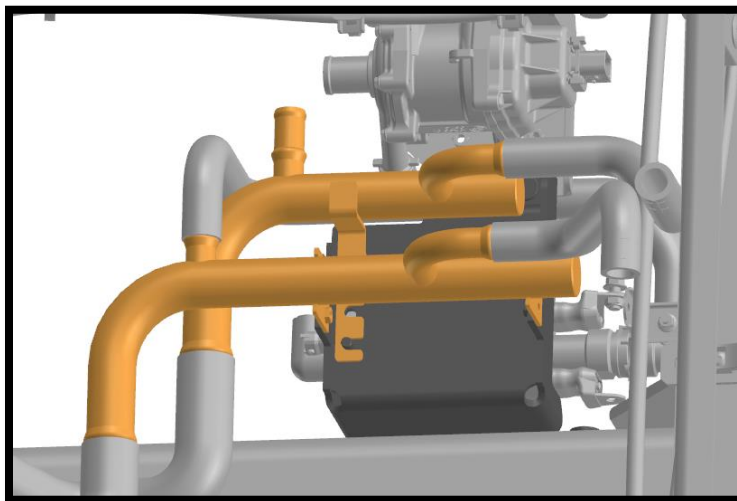


Rear ESS Heater Bracket Update

11. Install the pump and relay assembly.



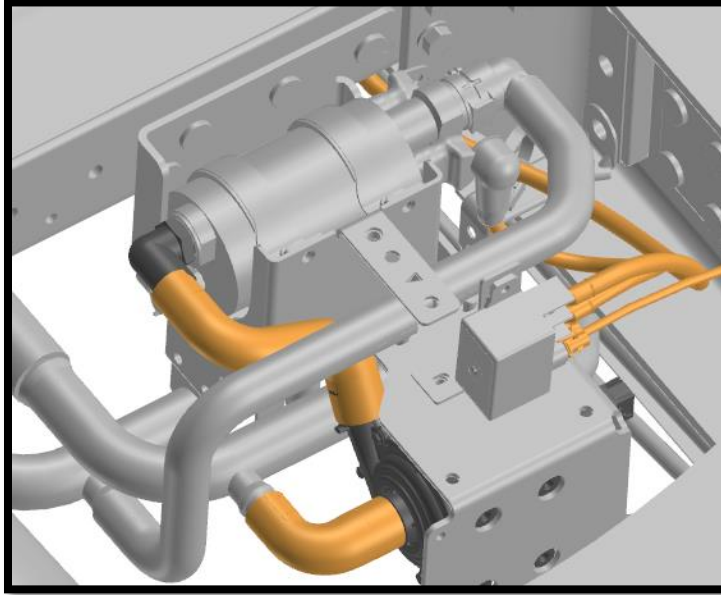
12. Install pipes onto heater bracket.



Rear ESS Heater Bracket Update

13. Install hose and clamps.

14. Connect all electrical connectors.



15. Follow instruction in Impact operation **2609-01-01-09** to commission the 24-volt system and fill the coolant.