



Heated Drain Valve Wired Incorrectly

Description:

Some Volvo trucks were built with the heated drain valve circuit wired incorrectly, which may overload the circuit breaker and cause the heated drain valve to not function correctly.

Corrective Action:

Inspect the wiring and re-pin the connectors to correct the heated drain valve circuit. Replace the circuit breaker.

UCHP SCC CODE: S7494

EXPIRATION DATE: 4/30/2021

CAUSAL PART NUMBER: 20915165

UCHP Labor Code:

1720-16-09-01 – Campaign, General – 0.6

PARTS MARKUP: 30%

PARTS LIST:

PN – Description – QTY

8082427 – CIRCUIT BREAKER, MINI 15 AMPS (BLUE) – 1

FOR MORE INFORMATION CONTACT: Sean Gallagher

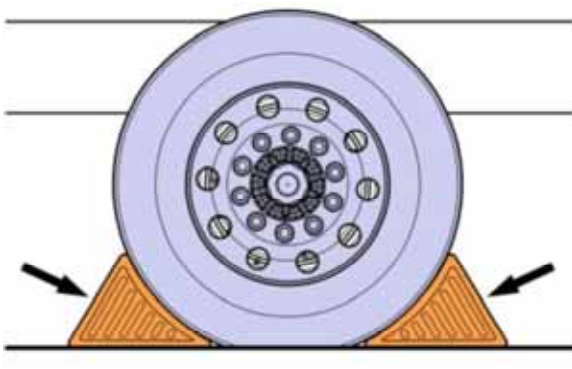
sean.gallagher@volvo.com

Decommissioning the Truck for Repair

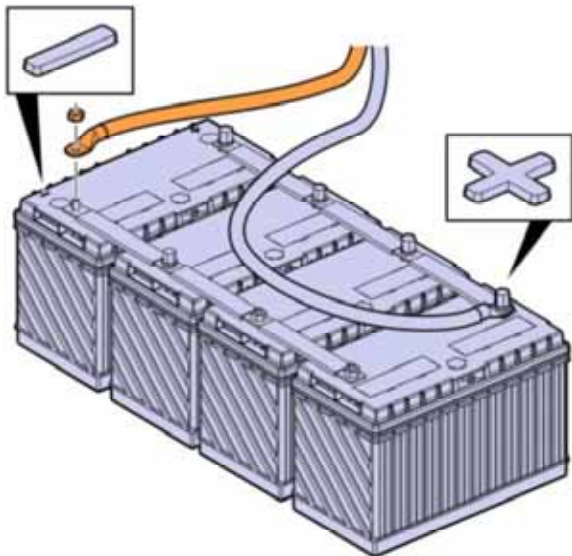
You must read and understand the precautions and guidelines in Service Information, group 30, "General Safety Practices, Electrical" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

NOTE: Information is subject to change without notice. Illustrations are used for reference only and can differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

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



5. Disconnect the battery.



Repair Procedure

1. Inspect heated drain valve connector for damage. If the connector, terminals, or wiring is damaged then it must be replaced.
2. Inspect that the circuits are in the correct cavities. If wires are not in the correct terminals then the connector must be re-pinned. Note: The connector on the drain valve, the connector on the harness, or both connectors may be pinned incorrectly. If BOTH connectors are pinned correctly, no action is needed in this step.



Drain valve connector:

Cavity A: Black wire

Cavity B: White wire

Harness connector:

Cavity A: White/orange wire

Cavity B: Grey wire

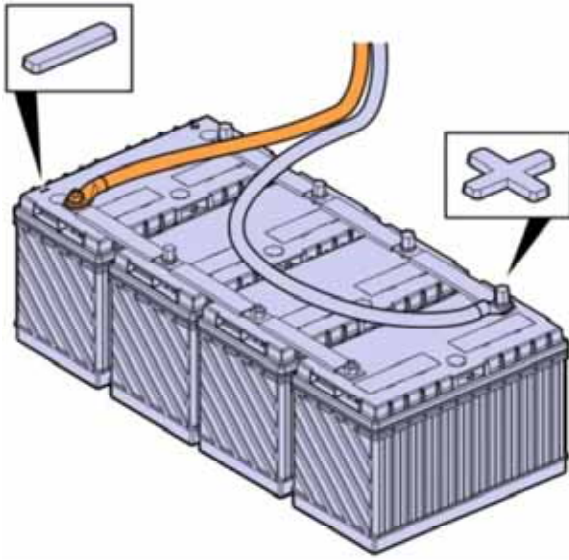
3. Locate and remove circuit breaker FE13 in the EFRC.



4. Inspect location FE13 for signs of damage. If the EFRC is damaged then it must be replaced.
5. Insert 15A circuit breaker PN 8082427 into location FE13.

Testing the Circuit

1. Connect the battery cable to the negative (ground) terminal.



2. Turn the ignition to run
3. Check that the voltage at the heated drain valve cavity A connector is above 12V
4. Check that the ground at the heated drain valve cavity B connector is good
5. Turn the ignition off
6. Reconnect the heated drain valve electrical connector

Commissioning the Truck for Operation

1. Remove the wheel chocks.

