

SCR Harness Connector, Replacement
 Cummins 15L Engines, Cummins SCR
 Emissions
 VN

**FSB 373-023, SCR Harness Connector,
 Replacement**

(August 2017)

The front chassis harness on some Volvo VNL trucks equipped with a Cummins engine and aftertreatment system built between 02/04/2013 and 12/31/2016 may have paint inside the SCR connector. This paint can lead to water intrusion and corrosion, causing datalink and aftertreatment system faults. Furthermore, connectivity problems can casuse the engine to derate and other drivability issues. If corrosion is found on the SCR connector on the front chassis harness, replace the connector following the instructions below.

Required Parts

Part Number	Description	Quantity
23146165	Connector and harness	1
NA	Heat Reflective Harness Tape	NA
NA	Cable Tie	NA

Service personnel: Please circulate, read and initial

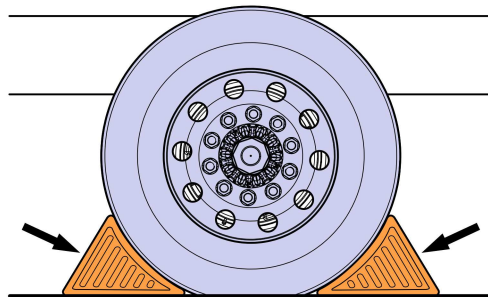
Service Manager	Warranty Administrator	Workshop Foreman	Service Technicians					

Decommissioning the Truck for Repair

You must read and understand the precautions and guidelines in Service Information, group 80, "General Safety Practices, Body, Cab & Interior" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

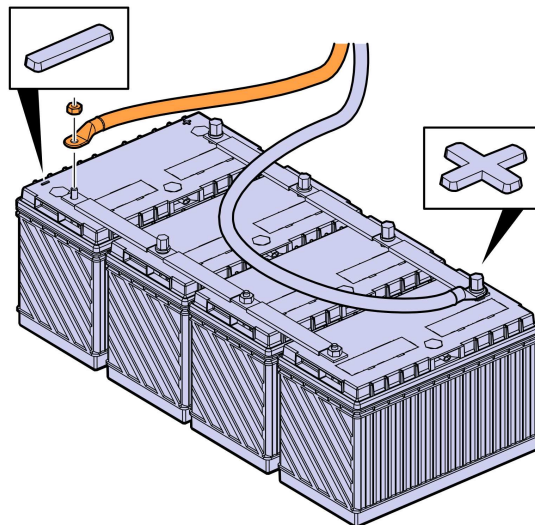
NOTE: Information is subject to change without notice. Illustrations are used for reference only and can differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

- 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 on the front wheels.



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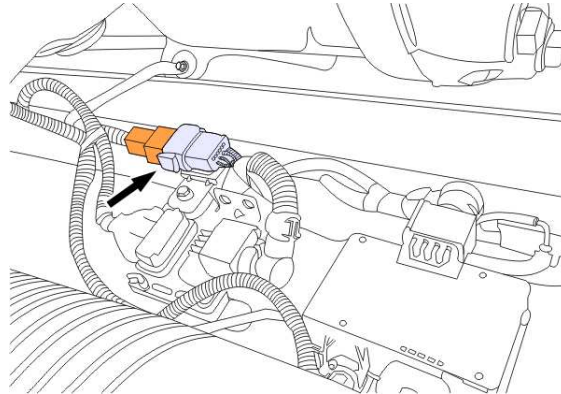
- 5 Disconnect the cable from the battery's negative terminal.



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Inspection Procedure

- 1 After allowing the emissions system to cool, Identify the harness and connector in question.
- 2 The connector will be accessed under the truck and located on the inner side of the SCR emissions system.



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- 3 Disconnect the connector and inspect the interior for any signs of paint or corrosion.
- 4 If paint or corrosion is found in the connector, continue the method below to repair the harness.

Repair Procedure

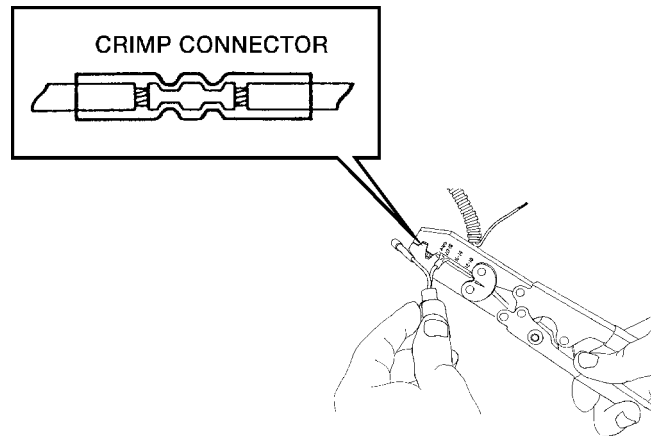
You must read and understand the precautions and guidelines in Service Information, Function Group 20, "Engine Safety Practices" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

- 1 Cut the harness tape back approximately 2 inches back from the connector.
- 2 Cut the 5 wires to remove the connector.

Note: Preserve as much length of undamaged wire as possible.

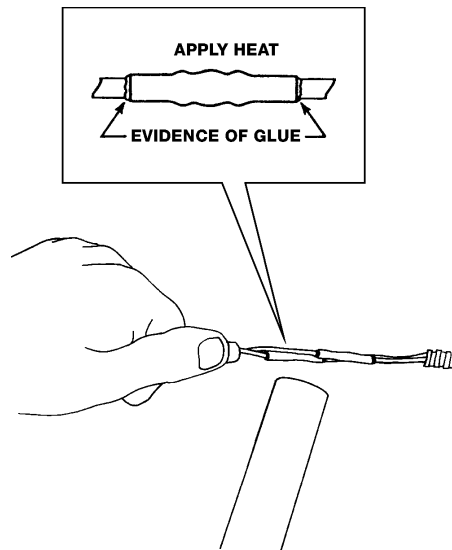
- 3 Strip 9 ± 1 mm (0.314 in) of insulation from each wire.
- 4 Use a wire splice to join the corresponding wires to the connector.

5 Crimp the wire splice.



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6 Use heat gun to shrink in place.



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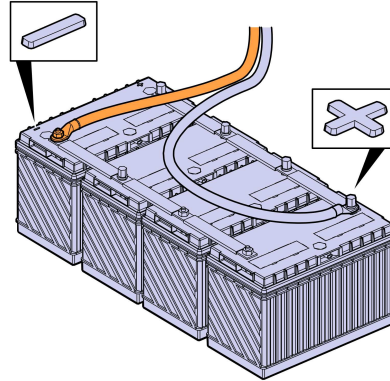
7 Repeat for each wire.

8 Tape the harness with heat resistant harness tape.

9 Reconnect the connectors and secure the harness with cable ties as necessary.

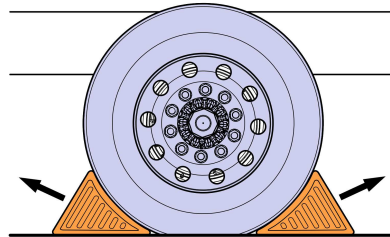
Commissioning the Truck for Operation

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



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- 2 Remove the wheel chocks.



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Reimbursement

This repair is covered by an authorized Service Program. Reimbursement is obtained via the normal claim handling process.	UCHP Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	W
Labor Code SCR Harness Connector, Inspection SCR Harness Connector, Replacement	3000-06-09-01 0.3hrs 3734-03-09-01 1.0 hrs
Causal Part	23146165

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