

This Field Service Bulletin replaces bulletin, "Jumper Harness, Repair", PV729-FSB371-042_V (USA53818) dated (07/2012).

Date 1.2013 Group **371** No. **042** Release **02** Page 1(6)

Jumper Harness, Repair
VN, VHD, VT, VAH

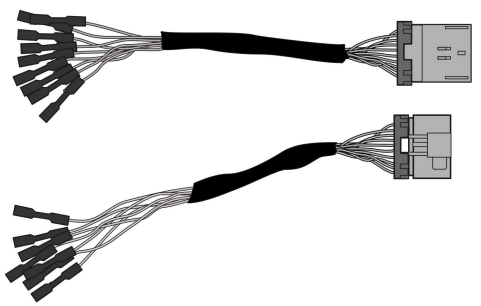
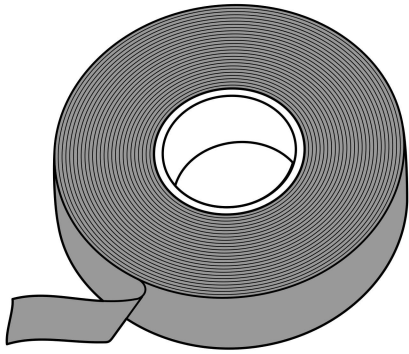
FSB 371-042, Jumper Harness, Repair

(January 2013)

On some Volvo trucks built between January 2010 and May 2012, the front chassis to chassis extension harness connector may not seal properly. This may lead to corrosion which can cause ABS faults. New service jumpers have been released, and should be used to replace the existing connector if corrosion occurs.

If a corrosion issue should occur, follow the repair procedure below.

Required Parts

 W3057833	 W1000209
Black female with 14 wires with splices – 21945719 Black male with 14 wires with splices – 21945721	Harness Repair Tape 20469544

Service personnel: Please circulate, read and initial

Service Manager	Warranty Administrator	Workshop Foreman	Service Technicians						

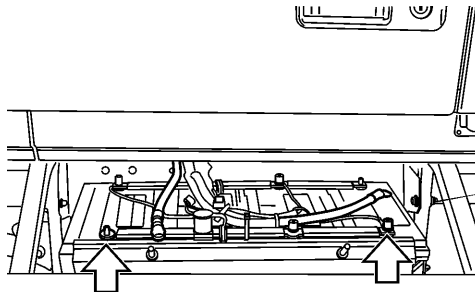
Repair Procedure

Note: Information is subject to change without notice.

Illustrations are used for reference only, and may differ slightly from the actual engine version. However, key components addressed in this information are represented as accurately as possible.

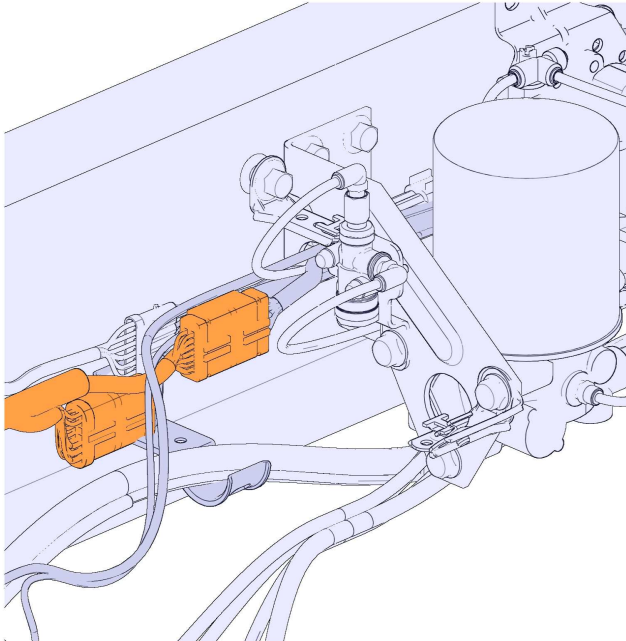
You must read and understand the precautions and guidelines in Service Information, Function Group 30, "General Safety Practices, Electrical and Electronics" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you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

- 1 Secure the vehicle for service by parking on a flat level surface, apply the parking brake, chocking the rear wheel, and placing the transmission in neutral.
- 2 Disconnect all cables from the negative (ground) battery terminals to prevent personal injury from electrical shock and prevent damage to electrical components.



W2003815

- 3 Locate the black 14 pin connector within the frame near the air dryer as shown. There will also be a grey connector near the same area. Do not cut or splice the grey connector.



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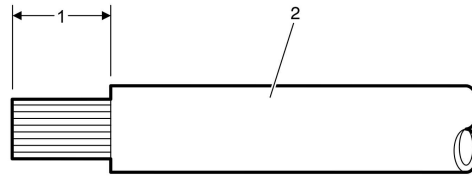
Note: Frame location may vary depending on cab type.

- 4 Loosen the harness section in front and behind the connector, by cutting all necessary cable ties.
- 5 Lay the harness in place over top of the old section to be removed. Mark the section to be cut just above the butt splice located from the end of the new harness. This will allow some extra length of wire to work with. Cut and remove old sections of harness.

Note: make sure you do not cut more than is required or the new harness will be too short to make the connection.

Note: Make of notation of wire location for future reference.

- 6 Strip each wire evenly. Strip length = approximately 8 mm (0.314 inch).

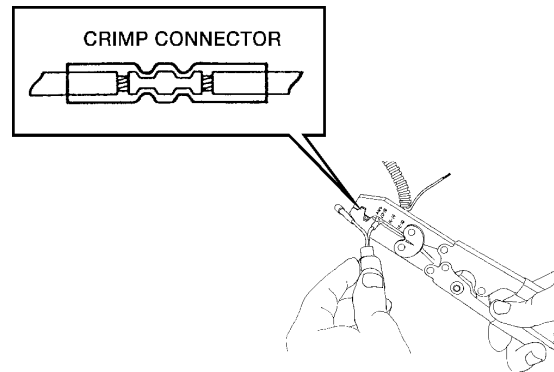


W3079547

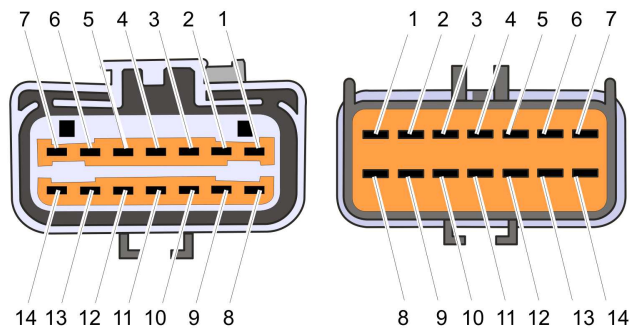
1. Stripped Insulation 8 mm (0.314 inch)

2. Wire

- 7 Crimp the splice leads to the chassis wires referring to your notation that was made before the old connectors were cut off.



W3002876

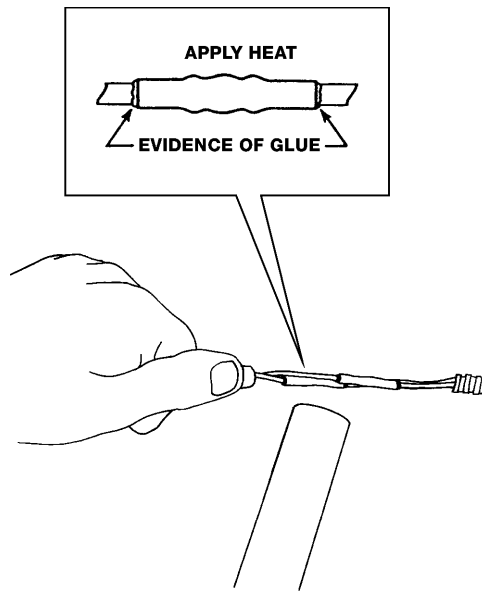


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- 8 Using a heat gun, shrink the wire splices until glue appears from the end of the splice.

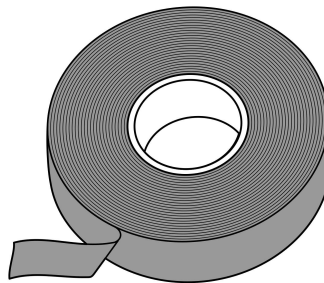
Note: Some vehicles will not use all of the wires. Cut the butt splice from the unused wires and heat shrink the wires to seal them from the element.

Note: Make certain the factory crimped ends of the splice are also heat shrunk properly.



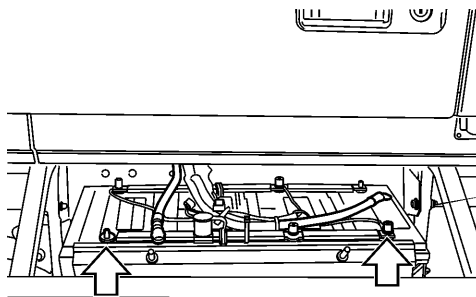
W3002877

- 9 Once all splice leads are properly shrunk, tape the exposed bundles to protect it.



W1000209

- 10 Secure the harness back into proper position using cable ties as needed.
- 11 Make certain the new connectors are connected all the way and the secondary lock is secured.
- 12 Install all previously removed cables to the negative (ground) battery terminals.



W2003815

- 13 Start the engine, check for proper vehicle operation.
Using Tech Tool, check and clear all diagnostic trouble codes.

Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	
Claim Type (used only when uploading from the Dealer Bus. Sys.)	01
Labor Code	
Primary Labor Code	37123-2-00 1.7 hrs.
Causal Part	20449814

Volvo Trucks North America engages in a comprehensive program of testing and evaluating to provide the best possible product. Volvo Trucks North America however, is not committed to, or liable for updating existing vehicles.