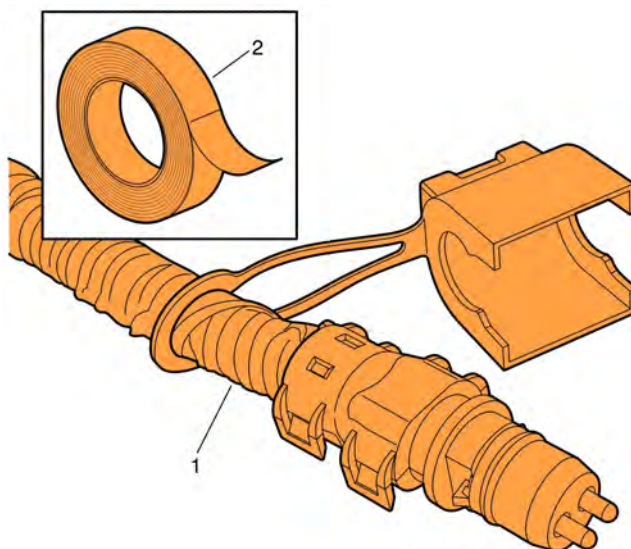


Anti-Lock Brake System (ABS) Sensor Connector, Replacement VN, VHD, VAH

FSB 371-040, Anti-Lock Brake System (ABS) Sensor Connector, Replacement

(December 2014)

The Anti-Lock Brake System (ABS) sensor connector on some VOLVO trucks built between 01/01/2013 and 11/12/2014 may show signs of corrosion. Corrosion of the ABS sensor connector can cause ABS sensor fault codes and cause the engine to de-rate on trucks equipped with I-Shift transmissions only. To prevent any further issues with ABS sensor fault codes, an aftermarket jumper harness (part number 22490460) is used in the repair procedure outlined in the document.



W3094860

Required Parts (ABS Sensor Connector Replacement)

Item	Description	Part Number	Qty
1	ABS Jumper Harness	22490460	1
2	Cloth Harness Tape	20469544	1

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.

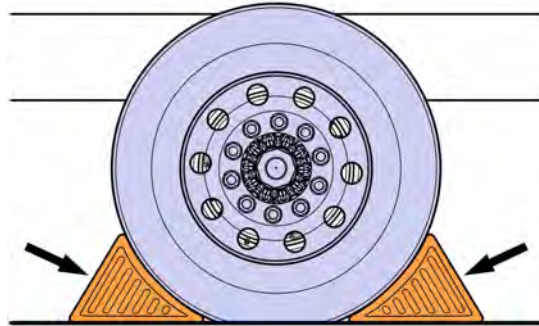
Procedure

You must read and understand the precautions and guidelines in Service Information, Function Group 3, "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.

DANGER

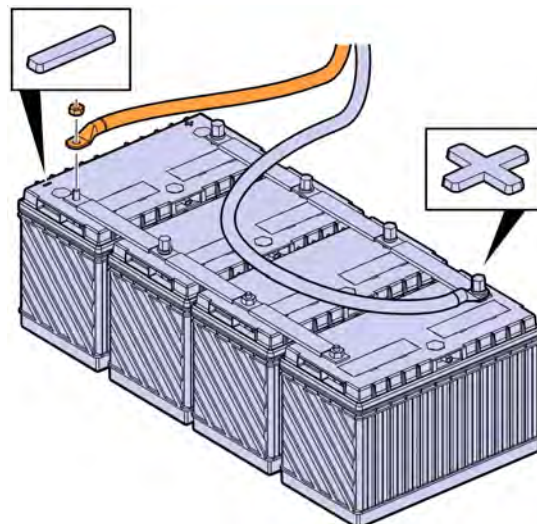
Do not attempt to repair or service a vehicle without the proper training, tools and service information. Failure to do so may result in component damage, serious injury or death.

- 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.



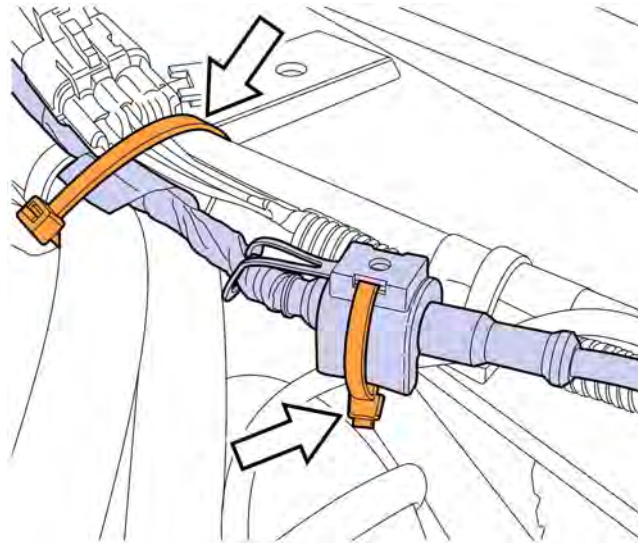
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- 5 Disconnect the cable from the battery's negative terminal.



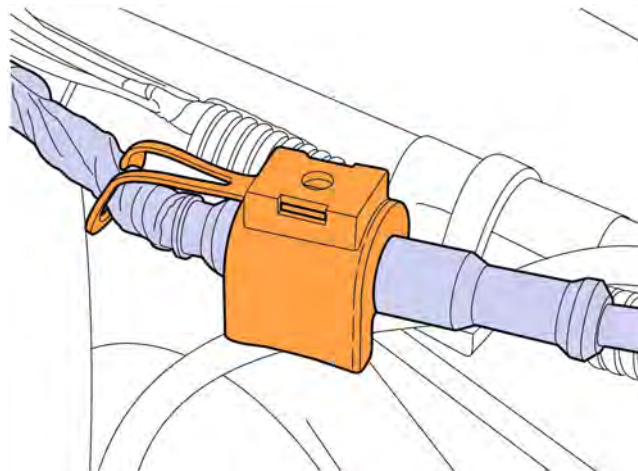
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- 6 Cut cable ties as needed to gain access to the ABS sensor connector and plug.
- 7 Remove the cable tie securing yellow safety cap to the ABS sensor connector.



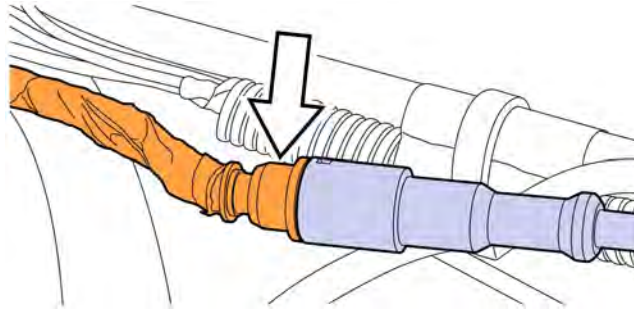
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- 8 Remove the yellow safety cap from the ABS sensor connector and harness plug.



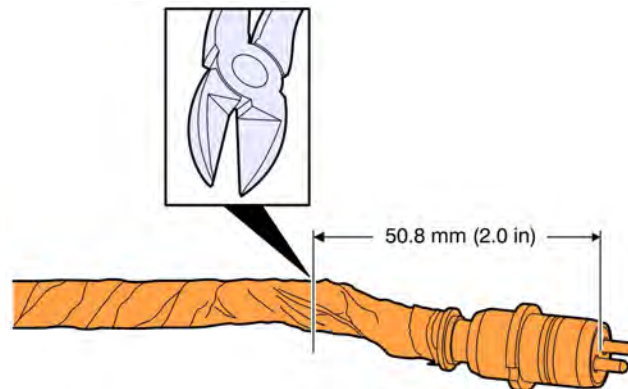
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9 Disconnect the ABS sensor connector.



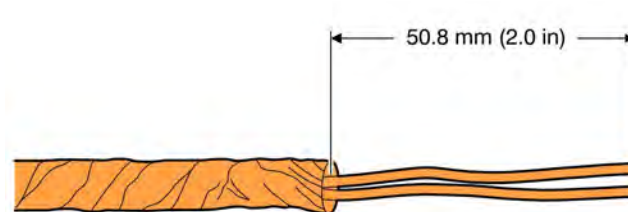
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10 Using wire cutters, cut the existing ABS sensor connector from the end of the harness.



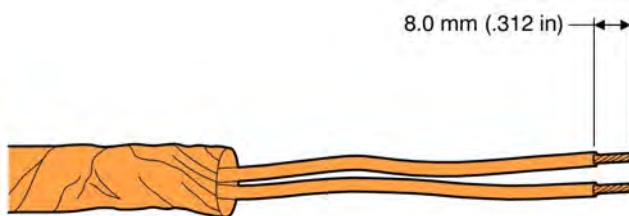
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11 Remove approximately 50.8 mm (2.0 in) of cloth harness tape from the end of the harness



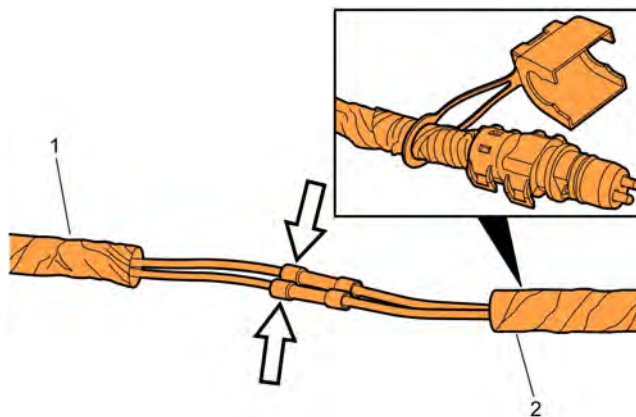
W3094865

12 Remove 8 mm (0.31 in) of wire insulation from the end of each wire.



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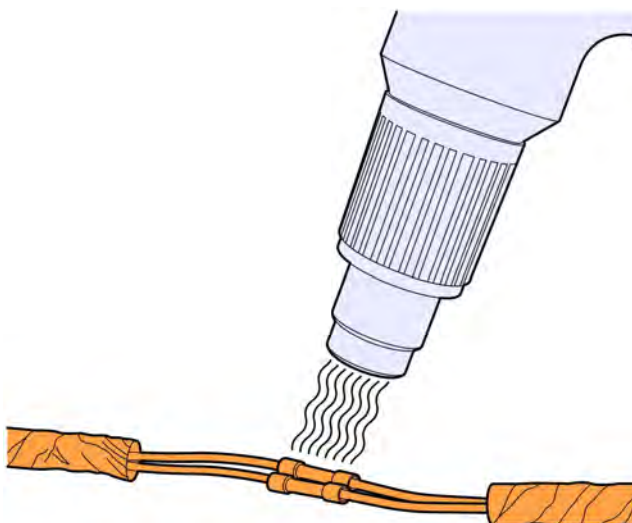
13 Using a proper crimping tool, crimp the jumper harness (2) to the ABS sensor harness (1).



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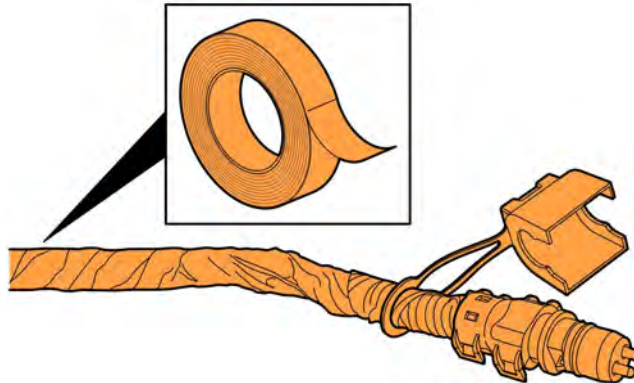
14 Using a heat gun, heat shrink the wire splices.

Note: To ensure the splices are heat shrunk properly, heat the splices until glue or resin appears at the end of the splices.



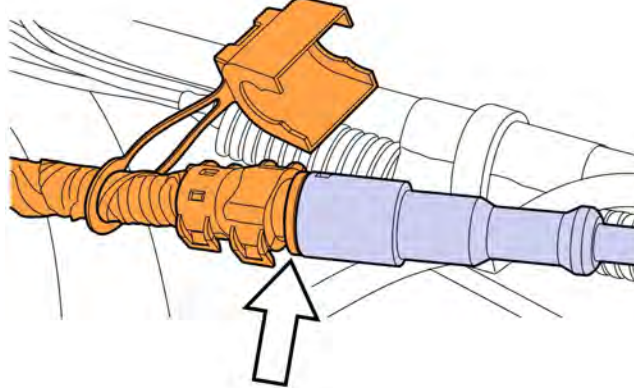
W3094868

15 Wrap the ABS sensor harness and jumper harness with cloth tape as shown.



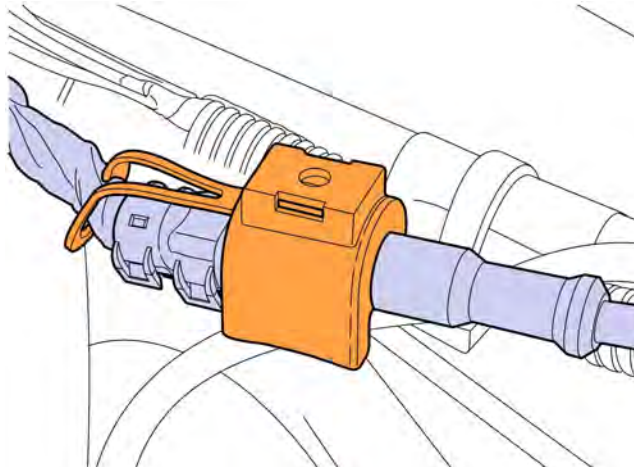
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16 Connect the ABS sensor harness and plug.



W3094870

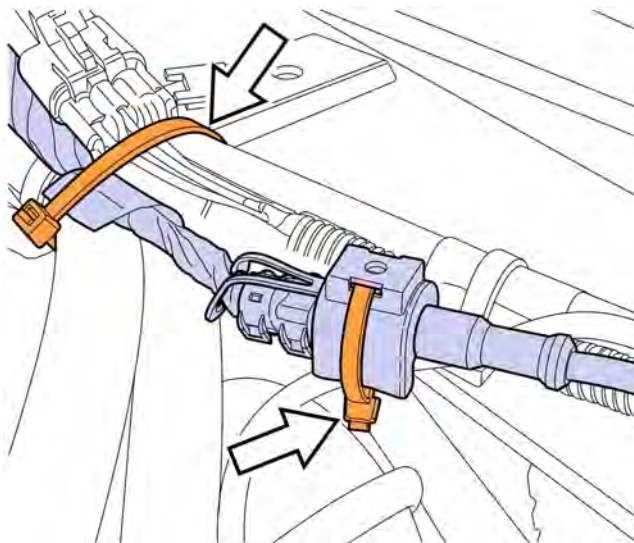
17 Install the yellow safety cap over the ABS sensor harness connections.



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18 Using a cable tie, secure the yellow safety cap over the ABS harness connections as shown.

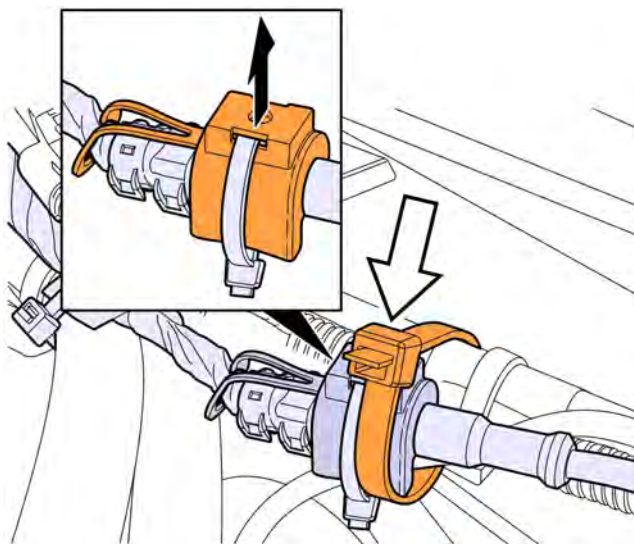
19 Using a cable tie, secure the ABS connector harness as shown.



W3094872

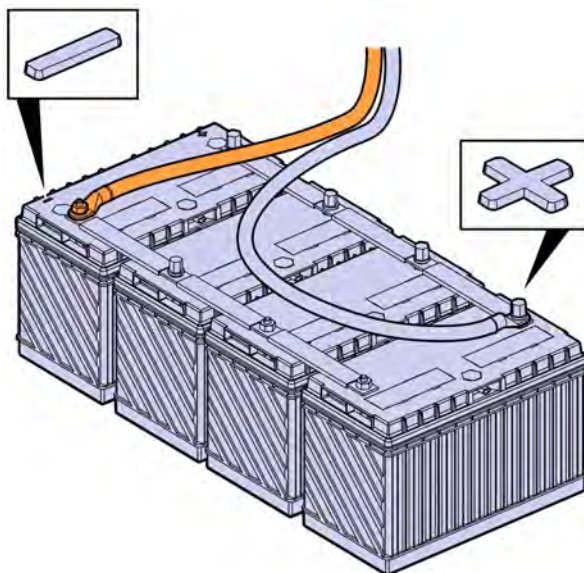
20 Using a cable tie, secure the ABS harness and yellow safety cap as shown in the figure below.

Note: Ensure the yellow safety cap is oriented facing up to prevent moisture and debris from being trapped between the harness connector and plug.



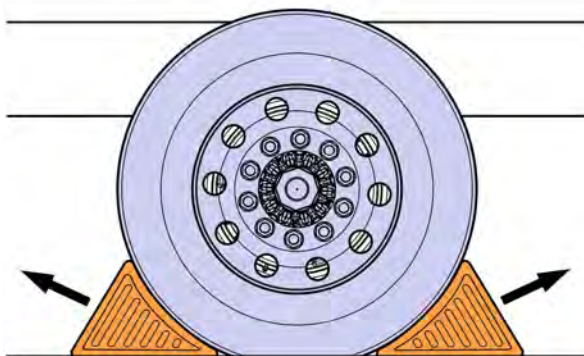
W3094873

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



W3086758

22 Remove the wheel chocks.



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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.	UCHP Reimbursement	eWarranty Reimbursement
Claim Type (used only when uploading from the Dealer Bus. Sys.)	W	W
Labor Code		
Primary Labor Code (Anti-Lock Brake System (ABS) Sensor Connector, Replacement)	3719-03-09-01 0.3 hrs.	37128-2-00 0.3 hrs.
Causal Part	25173585	25173585

VOLVO Trucks North America reserves the right to make any changes in design or to make additions to or upon its products without incurring any obligations to install the same on vehicles previously built.