

## PTO Jumper Wire, Installation VN

### **SP 375-010, PTO Jumper Wire, Installation**

**(October 2017)**

On Certain Volvo Trucks with the I-Shift generation F transmissions, using PTO2, there could be intermittent drop-out of the PTO 2 operation. This is due to a wiring issue. To correct this issue follow the procedure below.

## Required Parts

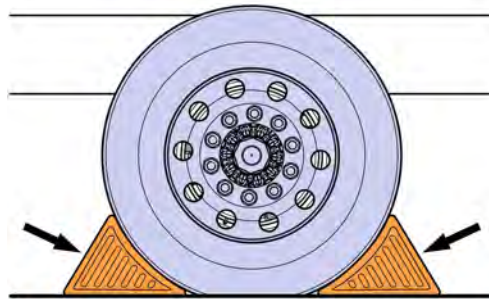
Part Description	Part Number
Jumper Wire	23178480

## 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.

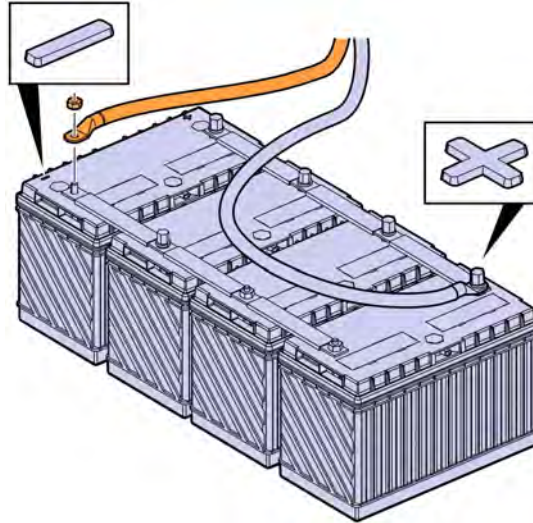
**NOTE:** Information is subject to change without notice. Illustrations are used for reference only and can differ slightly from the actual vehicle being serviced. However, key components addressed in this information are represented as accurately as possible.

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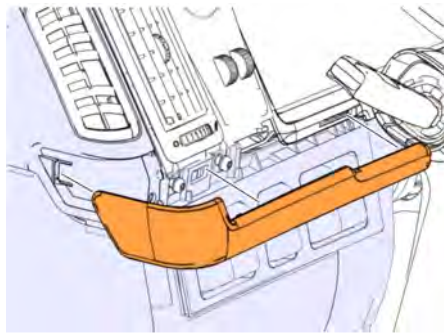
5 Disconnect the cable from the battery's negative terminal.



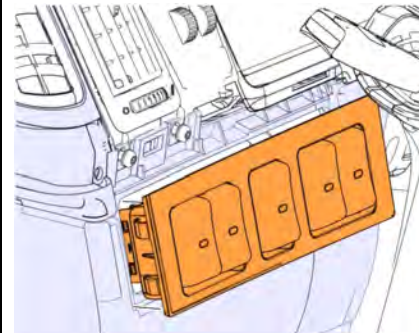
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## PTO Jumper Wire, Installation

1 Remove the panels.



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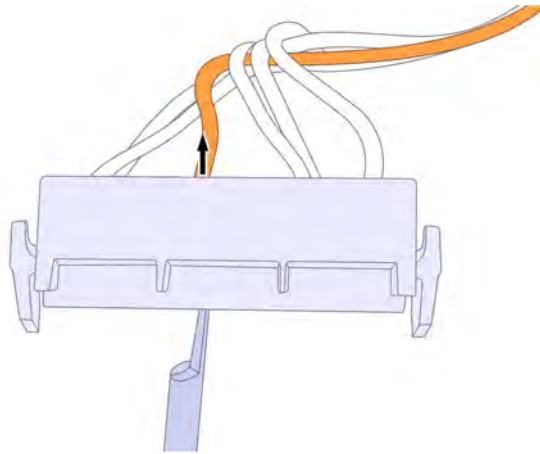


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- 2 Locate and identify the **PTO1** and **PTO2** connectors.

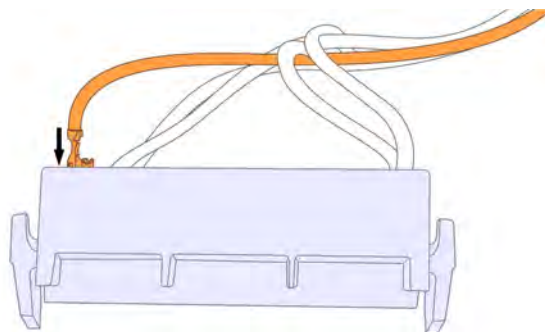
Connector	Label Identification
PTO1 Connector	White label with the text " <b>PTO SWITCH.</b> "
PTO2 Connector	White label with the text " <b>DUAL PTO I-SHIFT.</b> "

- 3 Using an appropriate terminal removal tool, remove the wire from **cavity 2** on the **PTO 2** connector.



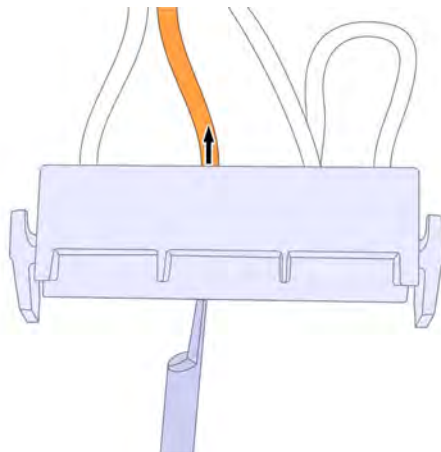
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- 4 Reinstall the same wire into **cavity 11** on the **PTO 2** connector.



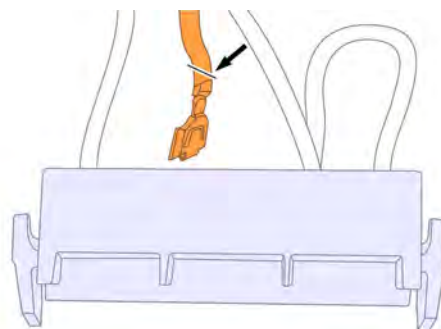
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- 5 Remove the wire from **cavity 2** on the **PTO 1** connector.



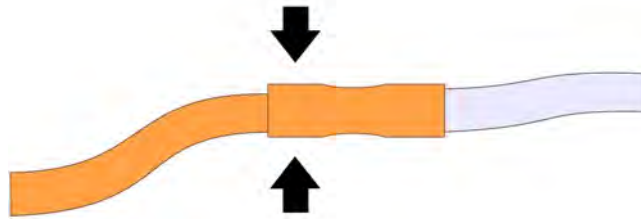
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- 6 Cut the terminal off the removed wire, and strip the end of the wire for crimping.



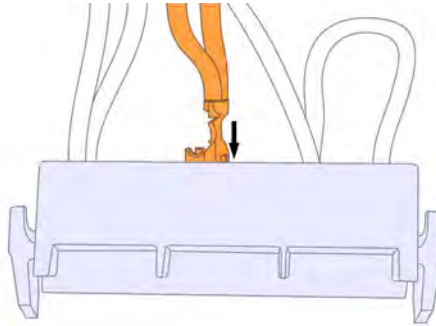
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- 7 Using the butt splice on the service jumper wire, crimp the loose wire into the service jumper.



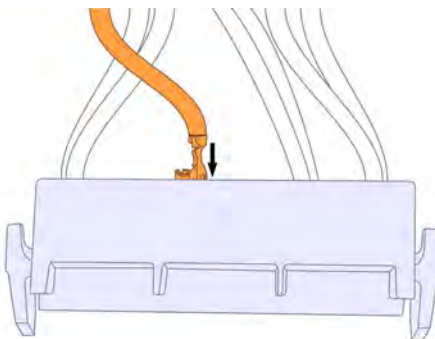
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- 8 Insert the double terminated wire terminal into **cavity 2** of the **PTO 1** connector.



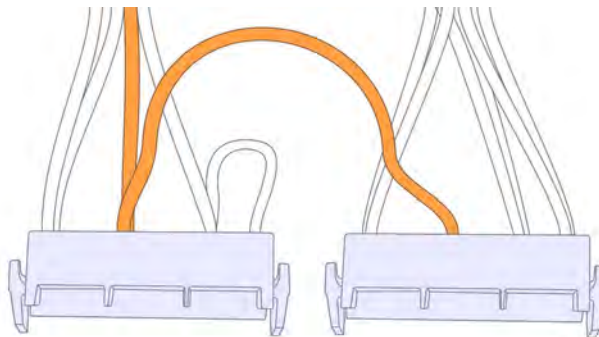
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- 9 Insert the terminal on the other end of the service jumper into **cavity 2** on the **PTO 2** connector.



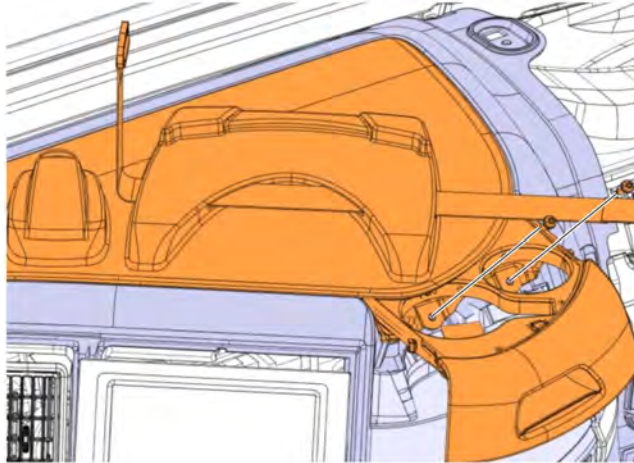
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- 10 Check that the jumper wire has been correctly installed..



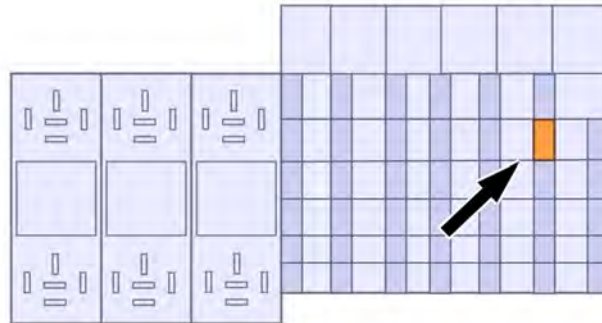
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11 Remove the FRC access panel.



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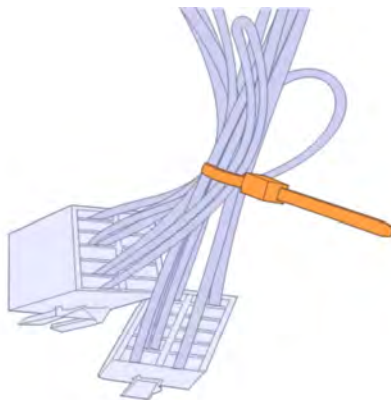
12 Install a **5 amp** mini fuse into **slot 34 (PTO)** in the FRC.



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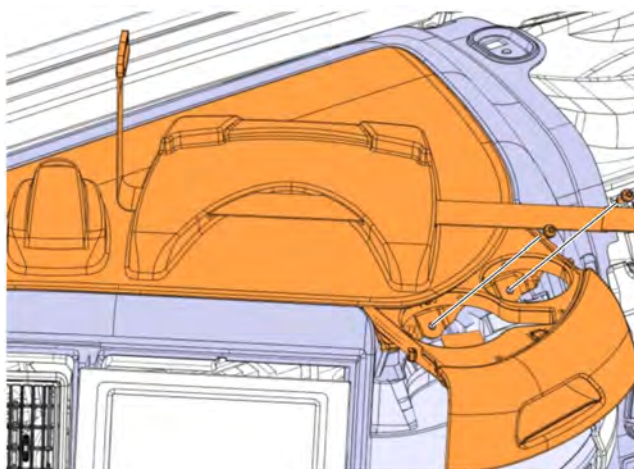


13 Secure the wires as needed with cable ties.



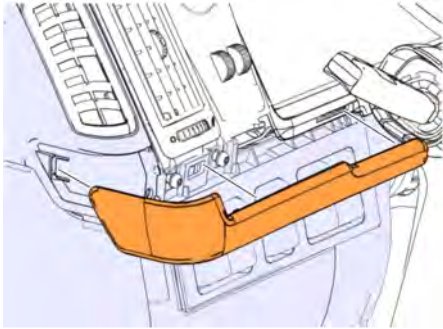
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14 Reinstall the FRC access panel.

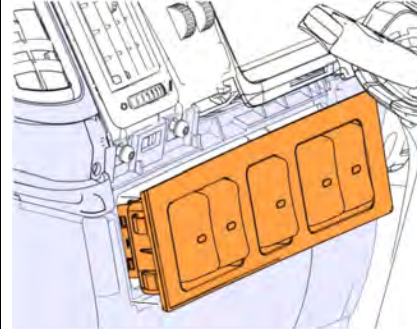


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15 Re-install the panels



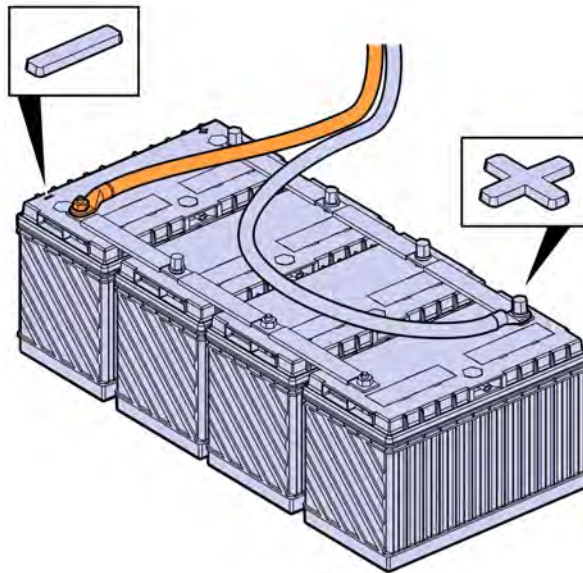
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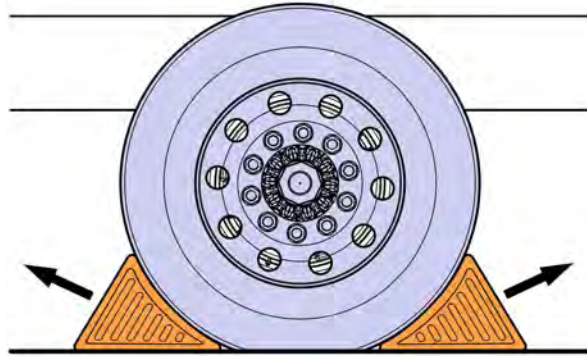
## Commissioning the Truck for Operation

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



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2 Remove the wheel chocks.



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**Reimbursement**

<b>This repair is covered by an authorized Service Program. Reimbursement is obtained via the normal claim handling process.</b>	<b>UHP Reimbursement</b>
<b>Claim Type (used only when uploading from the Dealer Bus. Sys.)</b>	B
<b>Recall Status</b>	
Vehicle inspected, repair not required	
Vehicle repaired per instruction	
<b>Labor Code</b>	
Primary Labor Code ( PTO Jumper Wire, Installation)	3751-02-09-01 0.5 hrs
Take to take charge and determine campaign status	1700-16-01-01 0.3 hrs
<b>Causal Part</b>	21720494
<b>SCC Code</b>	S7250
<b>Authorization Number</b>	NA
<b>Expiration Date</b>	October 31, 2018

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.