

Constellation > 4900 Models
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General Information

Though the back-up light harness is long enough to connect to the backup light switch, it may be short enough that the wire seals in the connector can be stressed. Moisture entering through the seals can cause corrosion, resulting in a bad connection and/or failure of the switch.

As a result, backup lights and, if equipped, the backup alarm, may not function when the vehicle is shifted into reverse.

All Western Star vehicles built through March of 2019 using the back light switch (POL21 465 or POL21 566) may be affected.

Parts

The parts required for this procedure are shown in [Table 1](#).

Parts Table		
Part Name	Part Number	Quantity
Light Switch Jumper Harness	A66-19642-000	1

Table 1, Parts Table

Work Instructions

1. Park the vehicle on a level surface, apply the parking brakes, and shut down the engine. Chock the tires.
2. Disconnect the batteries.
3. Locate the backup light switch on the transmission and, as needed, remove the clipping points for access. Unplug the connector from the backup switch. See [Fig. 1](#).



Fig. 1, Connector Unplugged

4. Cut off the backup harness connector where the wires enter the connector. See [Fig. 2](#).



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1. STA-DRY Butt Connectors
2. Stripped Wires on Light Switch Jumper Harness (A66-19642-000)
3. Stripped Wires on Old Harness
4. Light Switch Jumper Harness (A66-19642-000)

Fig. 2, New Light Switch Jumper Harness

5. Connect the new jumper harness (A66-19642-000) using two STA-DRY butt connectors (PHM 1 1863). See [Fig. 3](#).

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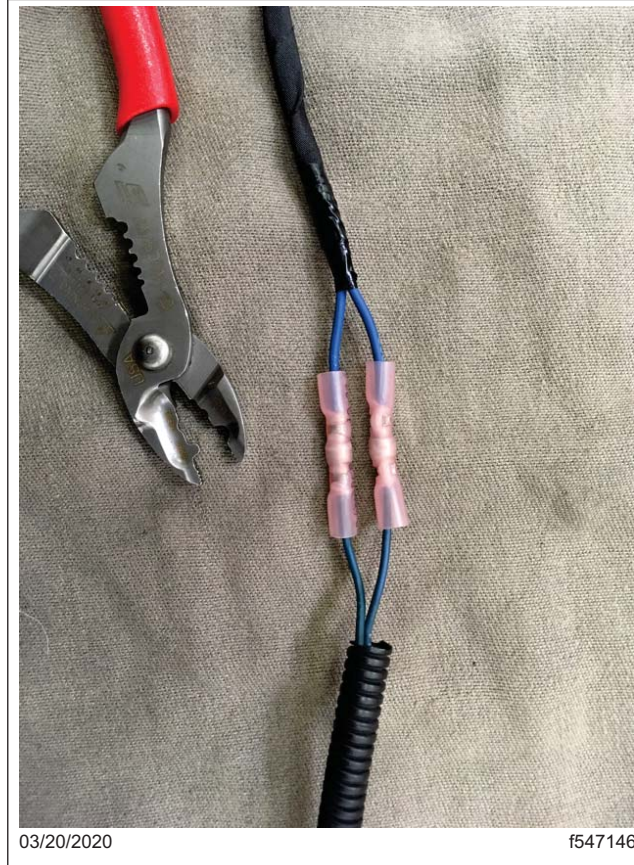


Fig. 3, STA-DRY Butt Connectors, Crimped

6. Using a heat gun, carefully heat shrink the butt connector.
7. Protect the butt splices and exposed wiring with an appropriate harness wrap.
8. Connect the new connector at the backup light switch, making sure the wires enter the connector as straight as possible and are not stressed.
9. Secure the backup light harness as needed using the original clipping points or tie straps.
10. Connect the batteries.
11. Test the operation of the backup and lights, and, if equipped, the backup alarm.

Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See [Table 2](#) for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Correction Code	SRT Code	Description	Time: Hours
Harness, Back Up Light Switch	034-002-035	03	35H-5001A	Jumper, Backup Switch Service Harness, R/R	0.3

Table 2, OWL VMRS Codes and Labor Allowance