



**NUMBER:** 23-018-16

**GROUP:** Body

**DATE:** April 26, 2016

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**SUBJECT:**

Sunroof May Malfunction

**OVERVIEW:**

Sunroof may open, close or vent by itself while driving. The sunroof may also perform an auto reversal. Auto reverse feature functions properly.

**MODELS:**

2015 (LA) Dodge Challenger

**NOTE: This bulletin applies to vehicles within the following markets/countries:  
NAFTA.**

**NOTE: This bulletin applies to vehicles built on or before July 02, 2015 (MDH 0702XX) equipped with Power Sunroof (Sales Code GWA) and equipped with Universal Garage Door Opener (Sales Code XGD).**

**SYMPTOM/CONDITION:**

The customer may describe the sunroof opens by itself in the vent position or while driving.

**DIAGNOSIS:**

If the customer describes the symptom/condition listed above, perform the Repair Procedure.

1. Remove the passenger A-Pillar trim piece (Fig. 1). Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 23 - Body/Interior/Panel, A-Pillar Trim/Removal.

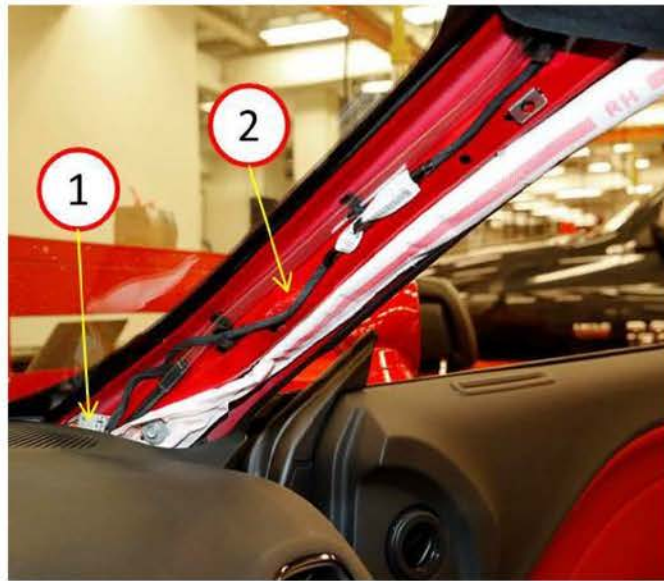


**Fig. 1 A Pillar Cover**

1 - Trim Piece

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2. Locate the sunroof circuit wiring connector. Examine the harness running up the A Pillar. If the harness is tight or stretched (causing connector stress), it may be pulling on the connector pins causing an intermittent connection. The figure shown shows a good wire harness with proper length ([Fig. 2](#)).



***Fig. 2 Electrical Connector***

1 - Electrical Connector

2 - Wiring

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3. Is the harness found to be tight or stretched?
  - a. YES>>> Separate the sunroof connector and inspect the connector and pins for damage. Proceed to [Step #1](#).
  - b. NO>>> Further diagnosis may be needed. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 23 - Body/Sunroof/Diagnosis and Testing>Power Top Sunroof.

**PARTS REQUIRED:**

Qty.	Part No.	Description
1 (AR)	68316916AA	Sunroof Connector Kit

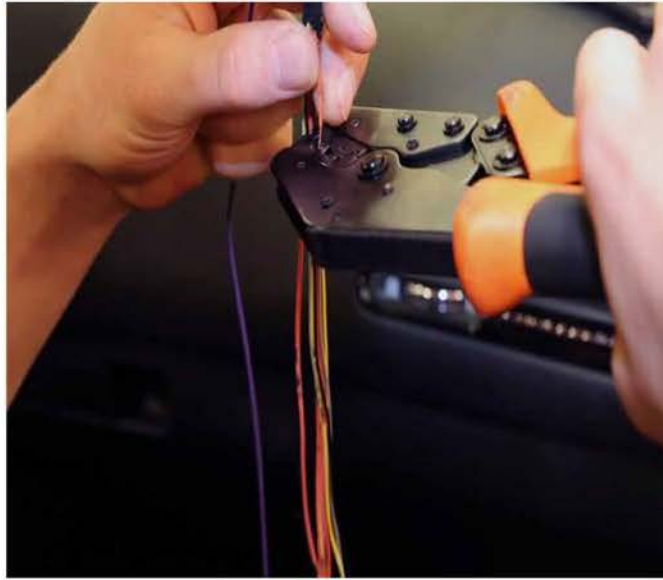
**REPAIR PROCEDURE:**

1. Repair and lengthen the sunroof male 12-pin connector with a replacement connector and wiring in the kit ([Fig. 3](#)) and stagger each wire repair to the individual wires repair all 9 wires. See figures ([Fig. 4](#)), ([Fig. 5](#)) & ([Fig. 6](#)) for reference. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 29 - Non-DTC Diagnostics/Circuit Testing Procedures/Standard Procedure>Wire Splicing. After repair is completed proceed to [Step #2](#).

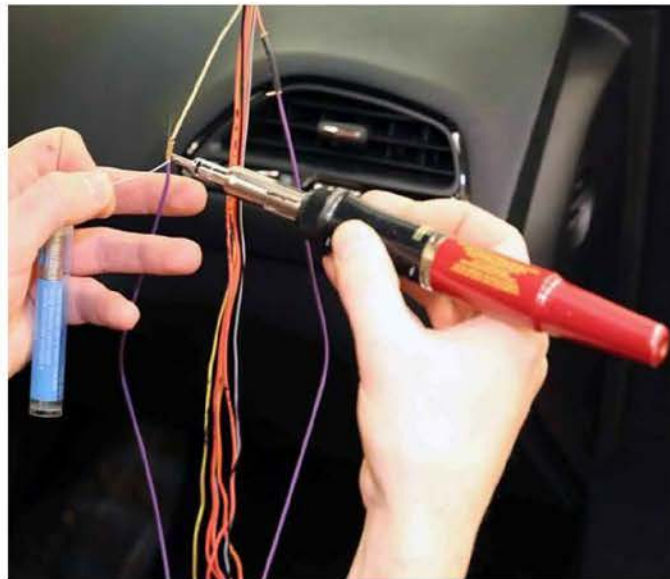
**NOTE:** When repairing the wire harness, lengthen the wires enough to avoid any stress on the connector as in ([Fig. 2](#)).



**Fig. 3 Connector Repair Kit**



***Fig. 4 Crimpers***



***Fig. 5 Wiring Repair***





**Fig. 6 Tape Wiring**

2. Test the sunroof. Does it operate normally?
  - a. YES>>> Repair is complete. Reinstall the passenger A-Pillar trim piece (Fig. 1). Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 23 - Body/Interior/Panel, A-Pillar Trim/Installation.
  - b. NO>>> Further diagnosis may be needed. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: 23 - Body/Sunroof/Diagnosis and Testing>Sunroof.
3. Check the operation of the interior lights and any component that is located in the headliner for proper function.
4. Clear any DTCs that may have been set due to the loose connector. The wiTECH application will automatically present any DTCs and allow them to be cleared.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
23-20-45-9F	Inspect Sunroof Electrical Connector (1 - Semi Skilled)	6 - Electrical and Body Systems	0.2 Hrs.
23-20-45-9K	Inspect and Replace Sunroof Connector (1 - Semi Skilled)	6 - Electrical and Body Systems	0.8 Hrs.

**FAILURE CODE:**

ZZ	Service Action
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