



Service Bulletin

File in Section: -

Bulletin No.: PI1469

Date: May, 2015

PRELIMINARY INFORMATION

Subject: Service Air Bag Message Displayed in Driver Information Center (DIC), DTC B0014, B0021 or B001E Set with Symptom Code :04 or 0D

Models: 2014 Chevrolet Silverado 1500
2015 Chevrolet Silverado 2500/3500, Suburban, Tahoe
2014 GMC Sierra 1500
2015 GMC Sierra 2500/3500, Yukon, Yukon XL

Attention: Ensure the vehicle is not included in Customer Satisfaction Program 14166 before proceeding with this bulletin.

Condition/Concern

Some customers may comment on a "Service Air Bag" message displayed in the driver information center (DIC). This may be caused by high resistance in the wiring harness connectors. The SDM interprets the high resistance as a fault. DTCs set are B0014 or B0021 or B001E with symptom bytes :04 or :0D.

Recommendation/Instructions

Determine which DTC has been set: Either B0014 or B001E (Driver's side seat only) or B0021 (Passenger side seat only) and install electrical jumper wires following the instructions below:

Note: Perform the procedure in this bulletin on either the front driver or passenger seat. The SIAB connectors are located under the seat cushion. On the driver side it is a GREEN connector on the outboard side of the seat; on the passenger side it is a GREY connector on the inboard side of the seat.

Warning: *When performing service on or near the SIR components or the SIR wiring, the SIR system must be disabled. Failure to observe the correct procedure could cause deployment of the SIR components. Serious injury can occur. Failure to observe the correct procedure could also result in unnecessary SIR system repairs.*

DTC B0014 or B001E (Driver's side seat only) for Standard Cab Pickup Models Seat Removal:



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1. Remove the driver front seat. Refer to Driver or Passenger Seat Removal and Installation in SI.
2. Remove the front driver seat from the vehicle and place on a clean, covered work surface. Position the seat so you can access the Side Impact Airbag (SIAB) harness connectors on the underside of the seat cushion.
3. Proceed to the Driver Side Seat Repair Procedure below.

DTC B0014 or B001E (Driver's side seat only) for Double Cab Pickup, Crew Cab Pickup and Utility Models Seat Removal:

1. Disable the Supplemental Inflatable Restraints (SIR) system. Refer to SIR Disabling and Enabling in SI.
2. Move the driver front seat to the full forward and full up position.
3. Remove the front seat assembly bolts.
4. Move the front seat back to the full forward recline position.
5. Unplug the seat side connector for the main body wiring harness.
6. Disengage the seat front foot hooks by tilting the seat forward, and then lifting and pulling the seat rearwards.



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7. Gain access to the underside of the seat cushion by tilting the seat forward until the seat back rests on the steering wheel or IP. The repair can then be performed from the rear seat area.
8. Proceed to the Driver Side Seat Repair Procedure below.

DTC B0021 (Passenger side seat only) for Standard Cab Pickup Models Seat Removal:



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1. Remove the passenger front seat. Refer to Driver or Passenger Seat Removal and Installation in SI.
2. Remove the front passenger seat from the vehicle and place on a clean, covered work surface. Position the seat so you can access the Side Impact Airbag (SIAB) harness connectors on the underside of the seat cushion.
3. Proceed to the Passenger Side Seat Procedure below.

DTC B0021 (Passenger side seat only) for Double Cab Pickup, Crew Cab Pickup and Utility Models Seat Removal:

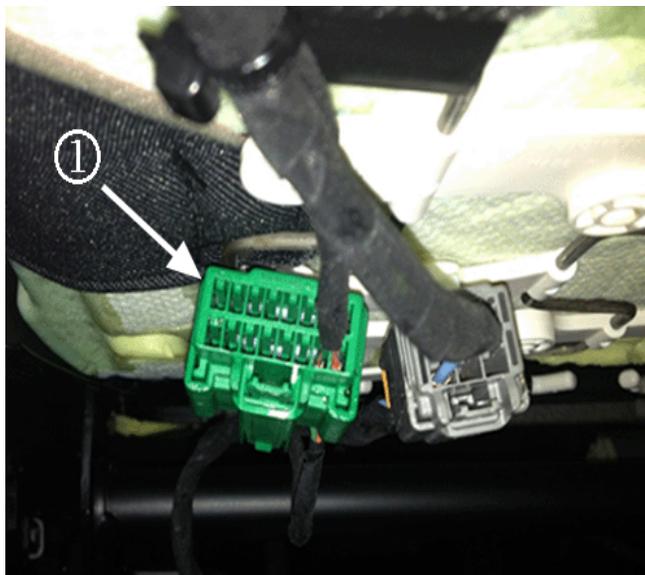
1. Disable the Supplemental Inflatable Restraints (SIR) system. Refer to SIR Disabling and Enabling in SI.
2. Move the passenger front seat to the full forward and full up position.
3. Remove the front seat assembly bolts.
4. Move the front seat back to the full forward recline position.
5. Unplug the seat side connector for the main body wiring harness.
6. Disengage the seat front foot hooks by tilting the seat forward, and then lifting and pulling the seat rearwards.



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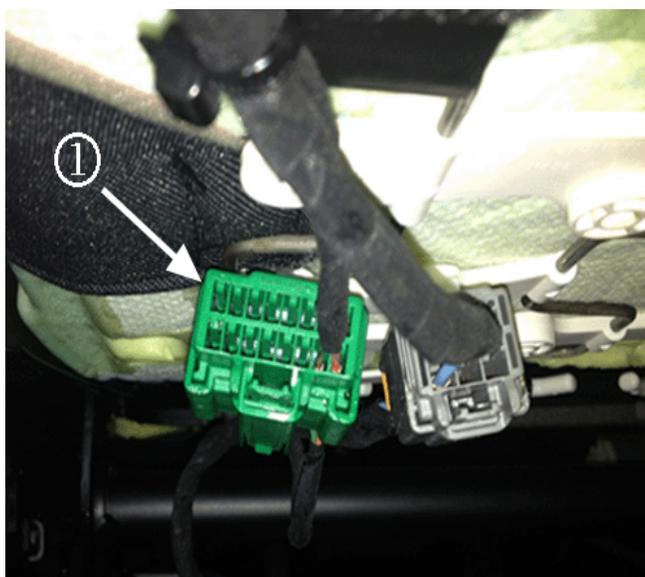
7. Gain access to the underside of the seat cushion by tilting the seat forward until the seat back rests on the steering wheel or IP. The repair can then be performed from the rear seat area.
8. Proceed to the Passenger Side Seat Procedure below.

Driver Side Seat Repair Procedure

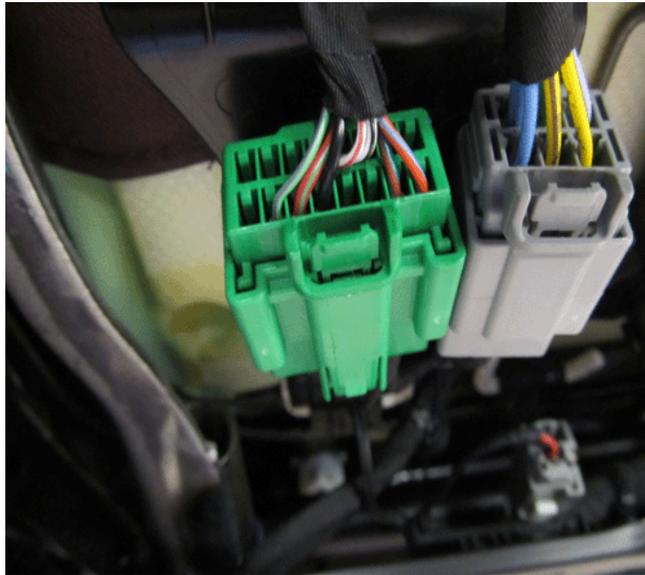


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1. On the driver seat, locate the outboard green SIAB harness connector (1) on the underside of the seat cushion.
2. Gently pry the connectors from the seat mat.
3. Carefully remove approximately 76 mm (3 in) of conduit and tape from each side of the connector to gain access to the wires.



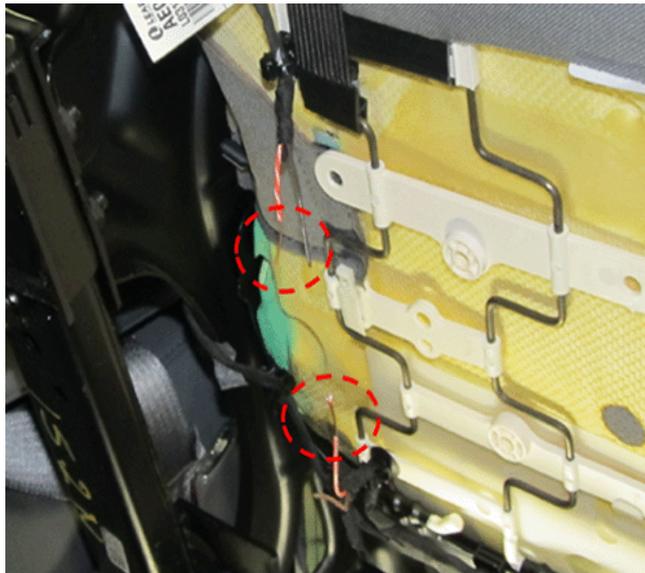
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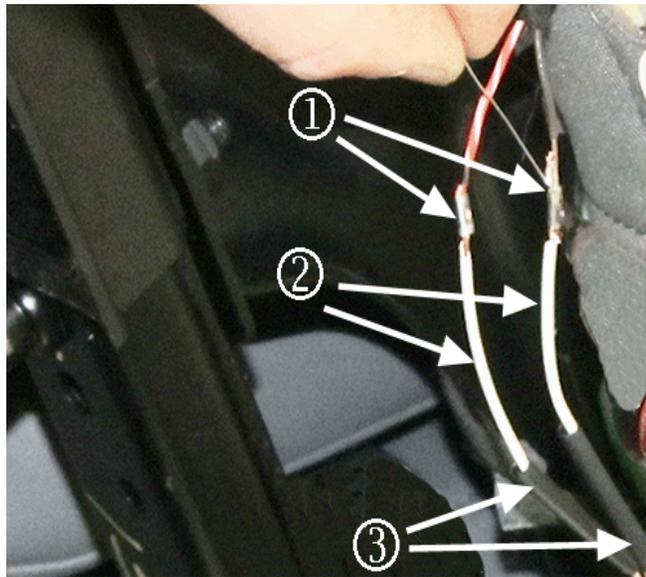
Note: This connector will have varying numbers of wires depending on the vehicle options. Only cut the specified wires.

4. Cut the OG/L-BU (pin 1) and L-GN/OG (pin 2) wires from the connector.
If the vehicle is equipped with RPO AYQ, also cut the VT (pin 3) and BN/WH (pin 4) wires from the connector.



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5. Strip off approximately 13 mm (1/2 in) of insulation from the wiring ends.



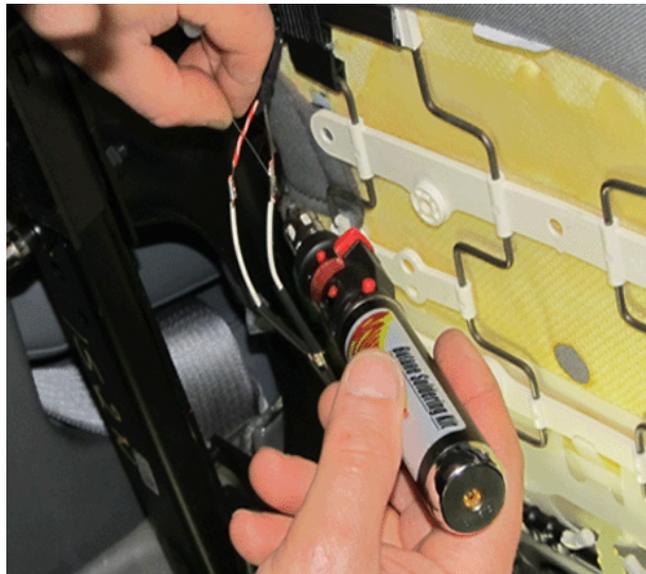
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Note: Only use heat shrink tube, P/N 12355010, or an equivalent flexible adhesive-lined/moisture resistant heat shrink tube to perform the repair in this bulletin.

6. Add one approximate 38 mm (1.5 in) section of heat shrink tube (3) to each of the cut wires.

Important: .500 mm (20 gauge) wire is recommended as the jumper in order to help maintain the integrity of the splice crimp.

7. Add an approximate 102 mm (4.0 in) length jumper wire (2), obtained locally, to reconnect each set of cut wires.
 - 7.1. Strip off approximately 10 mm (0.40 in) of insulation from each end of the jumper wire.
 - 7.2. Fold over one end of the jumper wire and position it together with the folded over end of one the cut wires.
 - 7.3. Crimp a splice clip (1) over the joined wires using Special Tool J-38125-8, nest F. Verify the crimp quality.
 - 7.4. Fold over the other end of the jumper wire and position it together with the folded end of the remaining wire.
 - 7.5. Crimp a splice clip (1) over the joined wires using Special Tool J-38125-8, nest F. Verify the crimp quality.
8. Repeat step 7 on the remaining cut wire(s).

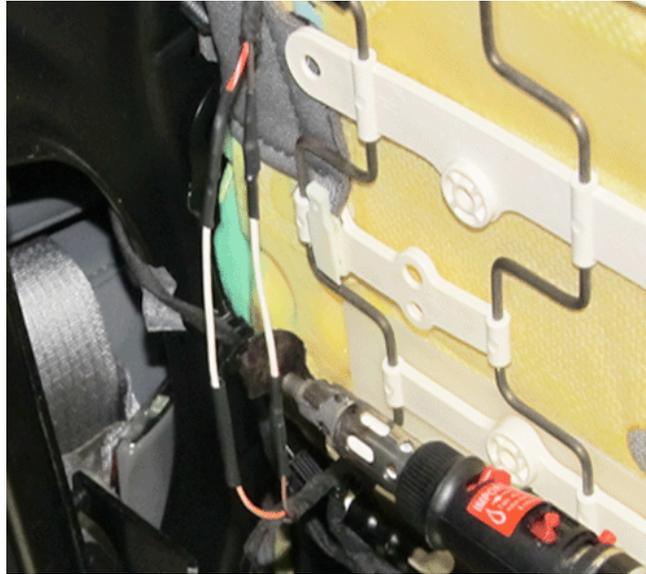


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Caution: Keep the heat shrink tube below the splice when soldering the splice to ensure that the heat shrink is not prematurely shrunk and closed down over the wire or splice area due to the heat from the soldering iron.

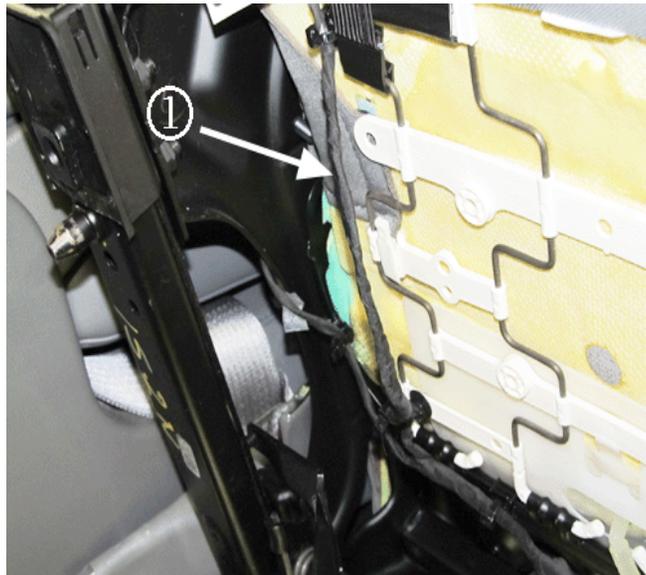
Warning: *DO NOT use soldering equipment that is battery or electric powered. These types of soldering irons can induce voltage into the circuit, which may cause inflator module deployment and/or damage to electrical components. Use only the J-38125-5A Ultra Torch or another butane fueled soldering iron when working on SIR circuits.*

- Solder both crimp and splice clips using the Ultratorch, part number J-38125-5A, or another butane fueled soldering iron.



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- Center the heat shrink tube over all 2 splices and shrink/seal the heat shrink tube securely over the splice crimp and insulated wires.



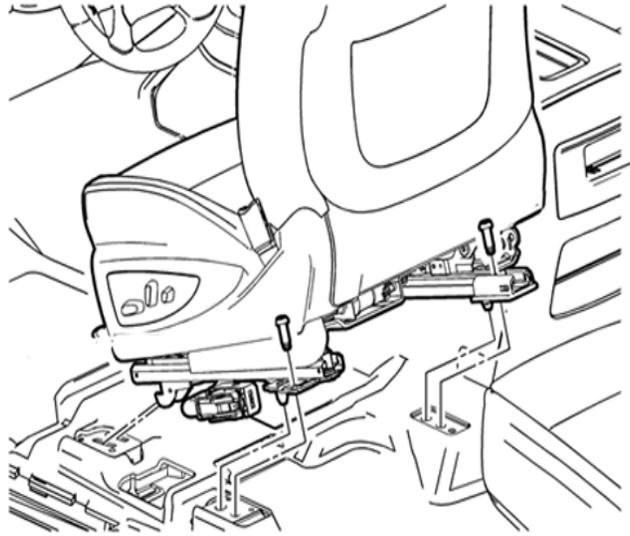
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- Wrap woven polyester electrical tape (PET) or equivalent anti-abrasion tape or electrical tape (1) around the spliced section of both wires.

Warning: Ensure yellow tape is wrapped around the splice section of the seat wire harness to properly identify supplemental inflatable restraint (SIR) wiring. Failure to properly identify SIR wiring could cause deployment of the SIR components, personal injury, or unnecessary SIR system repairs.

- Wrap yellow electrical tape over the polyester electrical tape or black electrical tape.

Caution: Avoid routing the harness along sharp metal edges. Ensure that harness is secured with some slack in the harness to allow the harness to flex or move.



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13. Re-install the driver seat. Refer to Driver or Passenger Seat Removal and Installation in SI.
14. Enable the SIR system. Refer to Disabling and Enabling in SI.
15. Connect the vehicle to scan tool (GDS2) and clear any DTCs. Repair complete.

Passenger Side Seat Repair Procedure



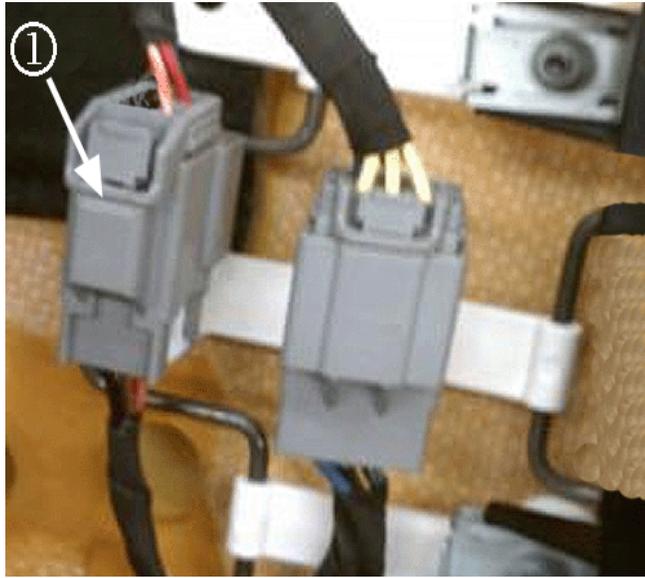
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1. On the passenger seat, locate the inboard grey SIAB harness connector (1) on the underside of the seat cushion.

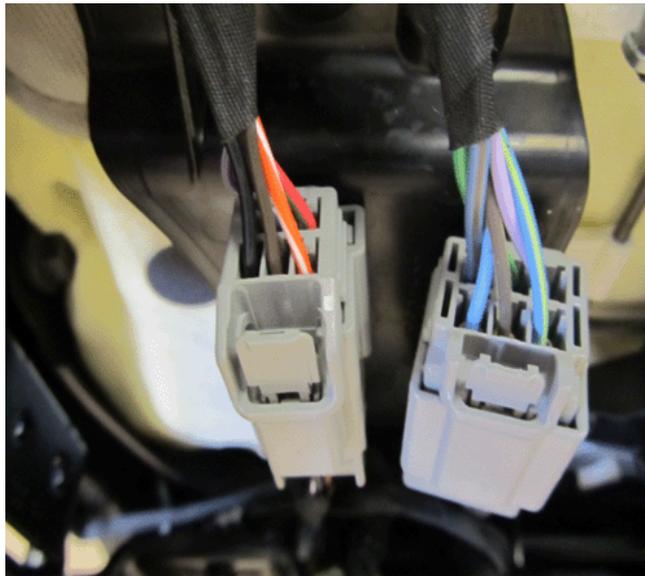


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2. Gently pry the connectors from the seat mat.
3. Carefully remove approximately 76 mm (3 in) of conduit and tape from each side of the connector to gain access to the wires.



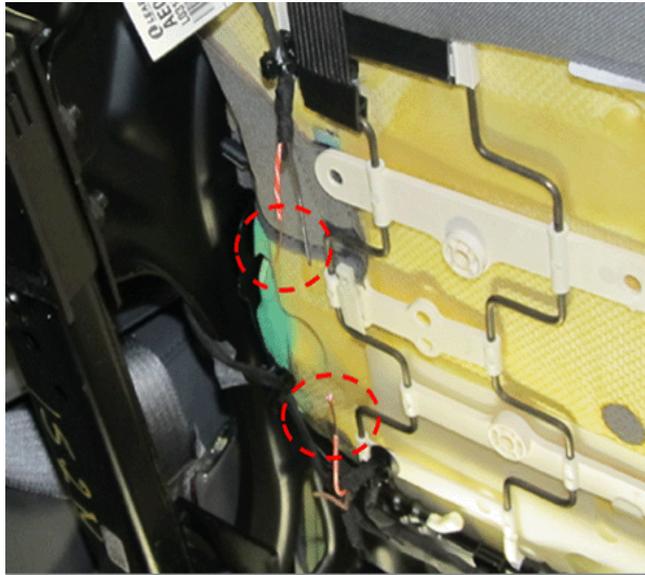
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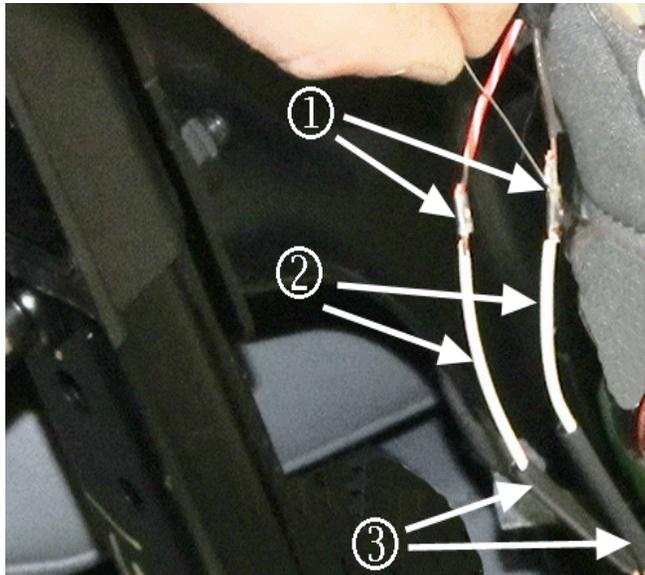
Note: This connector will have varying numbers of wires depending on the vehicle options. Only cut the specified wires.

4. Cut the OG/GY – L-GN/L-GN (pin 1) and BN/OG – OG/OG (pin 2) wires from the connector.



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5. Strip off approximately 13 mm (1/2 in) of insulation from the wiring ends.



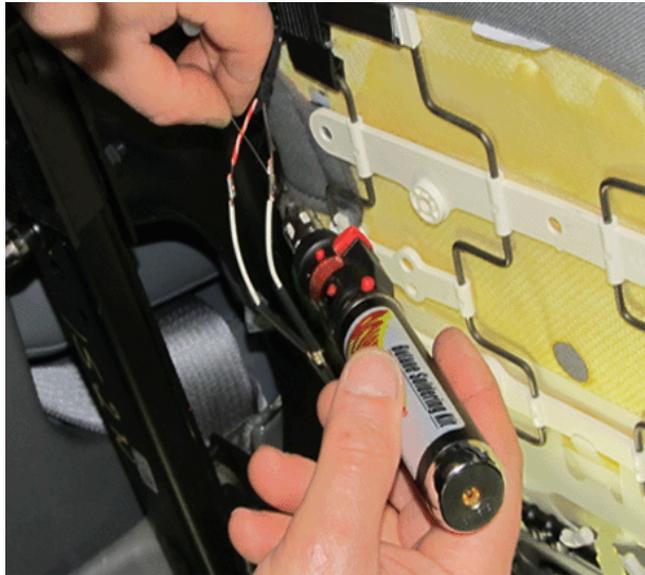
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Note: Only use heat shrink tube, P/N 12355010, or an equivalent flexible adhesive-lined/moisture resistant heat shrink tube to perform the repair in this bulletin.

6. Add one approximate 38 mm (1.5 in) section of heat shrink tube (3) to each of the 2 wires.

Important: .500 mm (20 gauge) wire is recommended as the jumper in order to help maintain the integrity of the splice crimp.

7. Add an approximate 102 mm (4.0 in) length jumper wire (2), obtained locally, to reconnect each set of cut wires.
 - 7.1. Strip off approximately 10 mm (0.40 in) of insulation from each end of the jumper wire.
 - 7.2. Fold over one end of the jumper wire and position it together with the folded over end of one the cut wires.
 - 7.3. Crimp a splice clip (1) over the joined wires using Special Tool J-38125-8, nest F. Verify the crimp quality.
 - 7.4. Fold over the other end of the jumper wire and position it together with the folded end of the remaining wire.
 - 7.5. Crimp a splice clip (1) over the joined wires using Special Tool J-38125-8, nest F. Verify the crimp quality.
8. Repeat step 7 on the second cut wire.

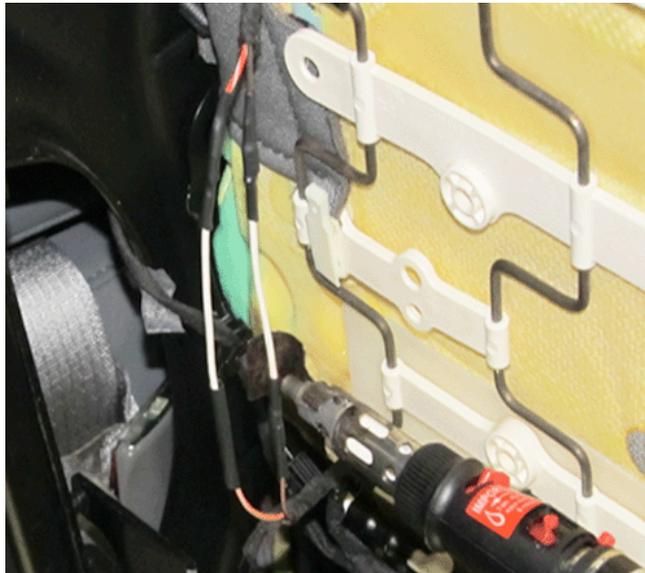


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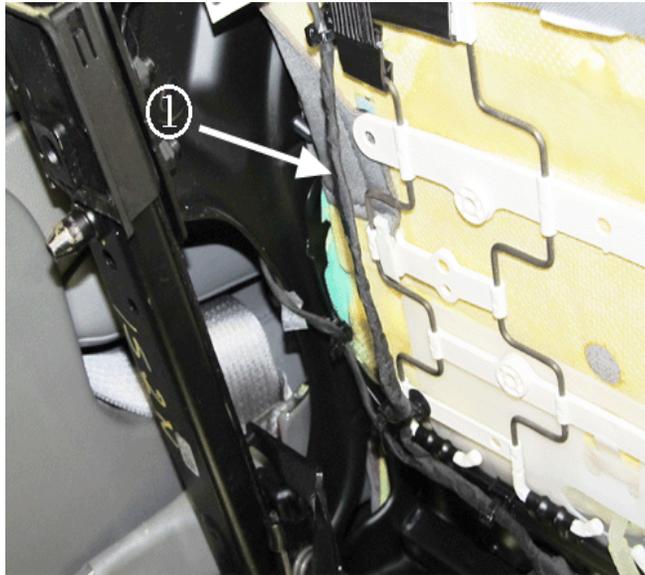
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9. Solder both crimp and splice clips using the Ultratorch, part number J-38125-5A, or another butane fueled soldering iron.



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10. Center the heat shrink tube over all 2 splices and shrink/seal the heat shrink tube securely over the splice crimp and insulated wires.



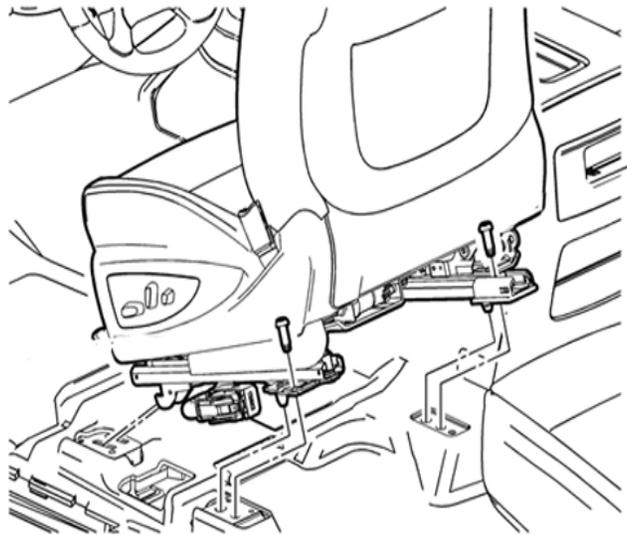
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11. Wrap woven polyester electrical tape (PET) or equivalent anti-abrasion tape or electrical tape (1) around the spliced section of both wires.

Warning: *Ensure yellow tape is wrapped around the splice section of the seat wire harness to properly identify supplemental inflatable restraint (SIR) wiring. Failure to properly identify SIR wiring could cause deployment of the SIR components, personal injury, or unnecessary SIR system repairs.*

12. Wrap yellow electrical tape over the polyester electrical tape or black electrical tape.

Caution: Avoid routing the harness along sharp metal edges. Ensure that harness is secured with some slack in the harness to allow the harness to flex or move.



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13. Re-install the passenger seat. Refer to Driver or Passenger Seat Removal and Installation in SI.
14. Enable the SIR system. Refer to Disabling and Enabling in SI.
15. Connect the vehicle to scan tool (GDS2) and clear any DTCs. Repair complete.

Parts Information

Part Number	Description	Quantity	Material Allowance
05297428	CLIP, WRG HARN SPLICE (pk of 10)	8 (W/ RPO AYQ) 4 (W/O RPO AYQ)	-
12355010	TUBING, SHRINK (1/8" BLACK) (pk of 10)	2	-
1089482* (Preferred)	WOVEN POLYESTER ELECTRICAL TAPE (PET)	As Req'd	0.65 USD / \$0.90 CAD
Obtain Locally or 90235* (Preferred)	YELLOW ELECTRICAL TAPE	As Req'd	0.65 USD / \$0.90 CAD

*To obtain the PET and Yellow tape, contact Kent Automotive at 1-888-937-5368 or www.kent-automotive.com. **Do not order from GMCCA.**

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
2608178*	Modify Driver or Passenger Seat SIAB Connector	0.8 hr
Add	With RPO AYQ	0.2 hr

*This is a unique Labor Operation for Bulletin use only. It will not be published in the Labor Time Guide.