



Recall Bulletin



PRODUCT SAFETY RECALL

SUBJECT: Driver Airbag Connector Terminal Retention Loose

MODELS: 2014 Chevrolet Sonic

It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

All involved vehicles that are in dealer inventory must be held and not delivered to customers, dealer traded, or used for demonstration purposes until the repair contained in this bulletin has been performed on the vehicle.

CONDITION

General Motors has decided that a defect which relates to motor vehicle safety exists in certain 2014 model year Chevrolet Sonic vehicles. In some vehicles, a loss of electrical connection in the steering column may limit driver airbag deployment in some severe crashes to only the first-stage, preventing an additional second-stage deployment in crash events intended to include the second-stage. Absence of second-stage deployment, in crash events intended to include the second-stage, can reduce the effectiveness of the driver airbag for some drivers in some crash events, increasing the risk of injury during a crash. When electrical contact is not present, the airbag light will illuminate on the IP cluster display.

CORRECTION

Dealers are to replace a pin in the IP harness clock spring coil connector located in the steering column.

VEHICLES INVOLVED

All involved vehicles are identified by Vehicle Identification Number on the Investigate Vehicle History screen in GM Global Warranty Management system. Dealership service personnel should always check this site to confirm vehicle involvement prior to beginning any required inspections and/or repairs. It is important to routinely use this tool to verify eligibility because not all similar vehicles may be involved regardless of description or option content.

For dealers with involved vehicles, a listing with involved vehicles containing the complete vehicle identification number, customer name, and address information has been prepared and will be provided to US and Canadian dealers through the GM GlobalConnect Recall Reports. Dealers will not have a report available if they have no involved vehicles currently assigned.

The listing may contain customer names and addresses obtained from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this recall is a violation of law in several states/provinces/countries. Accordingly, you are urged to limit the use of this report to the follow-up necessary to complete this recall.

PART INFORMATION

Parts required to complete this recall are to be obtained from General Motors Customer Care and Aftersales (GMCC&A). Please refer to your "involved vehicles listing" before ordering parts. Normal orders should be placed on a DRO = Daily Replenishment Order. In an emergency situation, parts should be ordered on a CSO = Customer Special Order.

Part Number	Description	Quantity/Vehicle
12177007	Terminal (Part of Delphi Kit J-38125 – Tray 19)	1
1089482 (Obtain from Kent Automotive*)	WOVEN POLYESTER ELECTRICAL TAPE (PET) ----- -----	.10 per / vehicle (Submit in Net Item)

* Contact Kent Automotive at 1-888-937-5368 or www.kent-automotive.com. **Do not order from GMCCA.**

SERVICE PROCEDURE

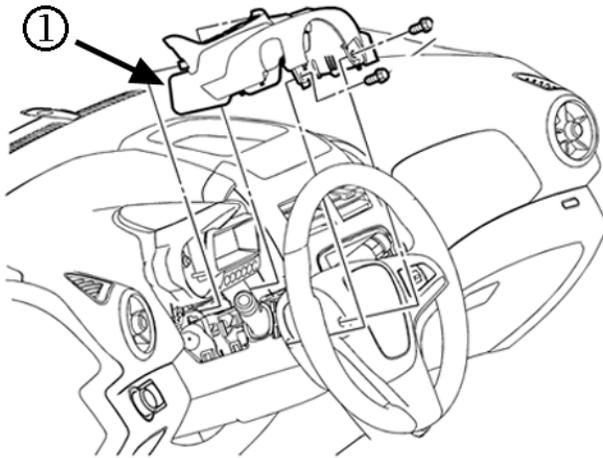
Inspection Procedure

Tools Required

- J-35616-64B (L-BU), Diagnostic Test Probe

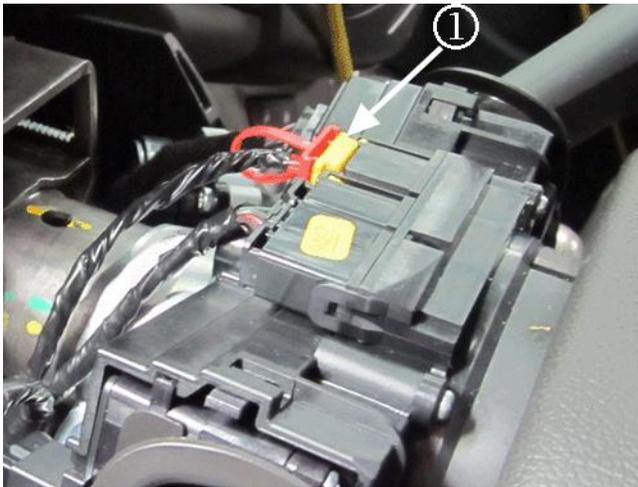
Warning: When performing service on or near the SIR components or the SIR wiring, the SIR system must be disabled. Failure to observe the correct procedure could cause deployment of the SIR components. Serious injury can occur. Failure to observe the correct procedure could also result in unnecessary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

1. Disable the Supplemental Inflatable Restraints (SIR) system. Refer to *SIR Disabling and Enabling* in SI.



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2. Remove the steering column upper trim cover (1). Refer to *Steering Column Upper Trim Cover Replacement* in SI.



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3. Disconnect the steering wheel air bag coil X2 connector (1).



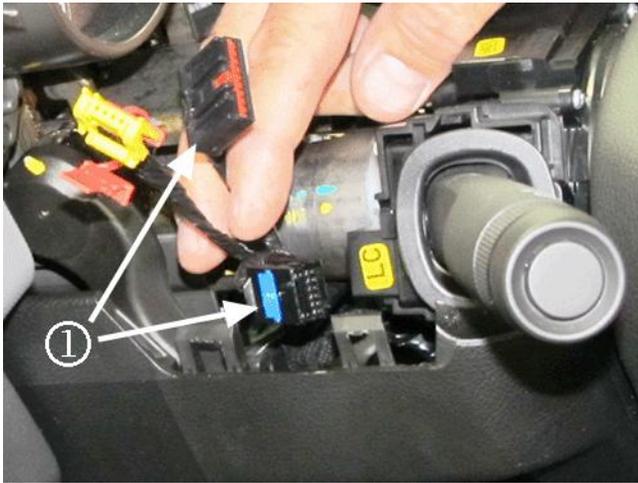
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4. Using Diagnostic Test Probe J-35616-64B (L-BU), or equivalent, drag test the four female terminals in the X2 connector. Gently probe into each female terminal.
 - If slight resistance upon insertion, and slight drag upon removal is felt, no further action is necessary. Reconnect the X2 connector, reinstall the steering column upper trim cover and enable the SIR. Refer to *Steering Column Upper Trim Cover Replacement and SIR Disabling and Enabling* in SI.
 - If little or NO drag is felt, the female terminal needs replacement. Continue ahead to the *Repair Procedure* below.

Repair Procedure

Tools Required

- J-38125-559, Terminal Removal Tool
- J-38125-7, Splice Sleeve Crimp Tool
- J- 38125-6, Insulation Crimp Tool
- J-38125-5, Ultratorch, or equivalent butane fueled soldering iron



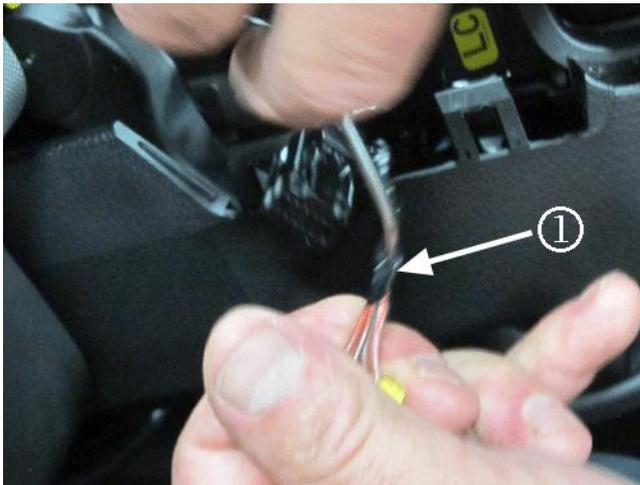
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1. To obtain more slack on the X2 connector harness, disconnect the neighboring connectors (1) on the top and left side of the steering column.



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2. Remove the CPA (1) from the air bag coil X2 connector.



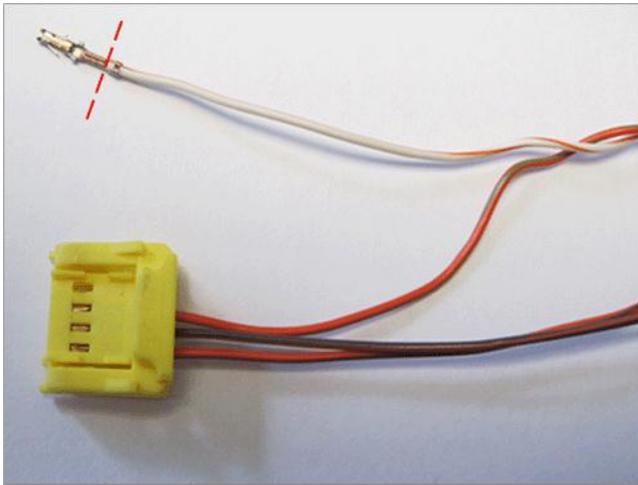
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3. Remove approx. 50 mm (2.0 in) of tape/conduit (1) from the X2 connector harness.



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4. Using terminal removal tool J-38125-559, or equivalent, gently remove the loose terminal from the connector.



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Note: To minimize wire length loss, cut off the terminal between the core and the insulation crimp.



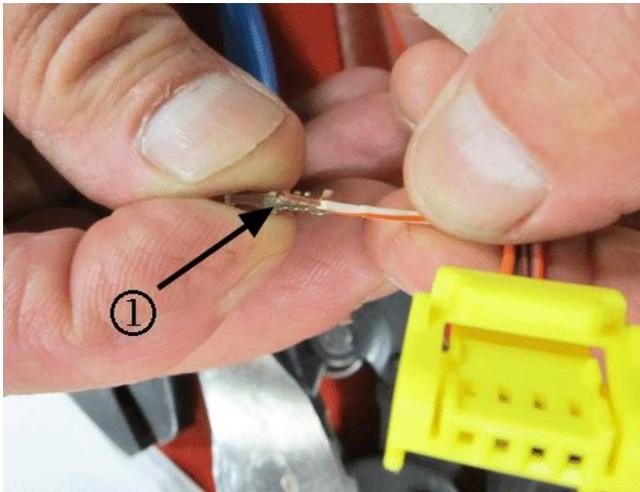
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5. Using side cutters, cut off the terminal end at the core joint crimp and slide off the old crimp insulation wings.



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6. From Delphi part kit J-38125 – tray 19, obtain terminal P/N 12177007.
7. Strip insulation from the wire appropriate to the new terminal being crimped.



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Important: Prior to installation, note that the terminal is in the proper orientation on the wire.

8. Slide the new terminal (1) onto the wire.



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9. First hand crimp the core wings of the new terminal using J-38125-7, crimp E.



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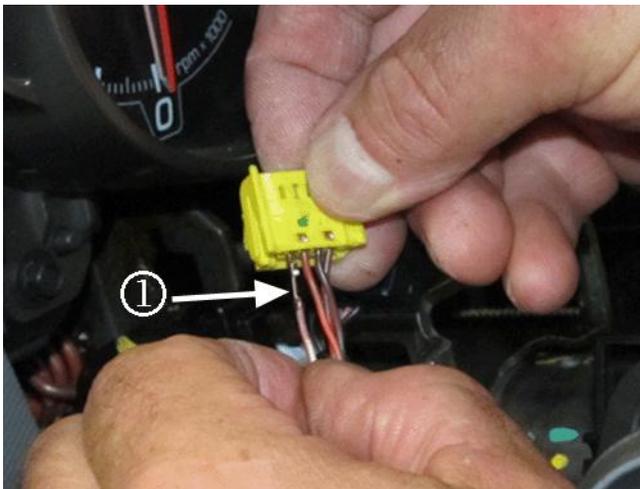
10. Next crimp the terminal insulation wings using J- 38125-6, crimp 2.



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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 damage to electrical components. Use only the J-38125-5A Ultra Torch or another butane fueled soldering iron when working on SIR circuits.

11. Solder the terminal using the Ultratorch, part number J-38125-5A, or another butane fueled soldering iron.



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12. Fully seat the new terminal (1) into the X2 connector.
13. Wrap woven polyester electrical tape (PET) or equivalent anti-abrasion tape around the harness wires where the tape had been previously removed.



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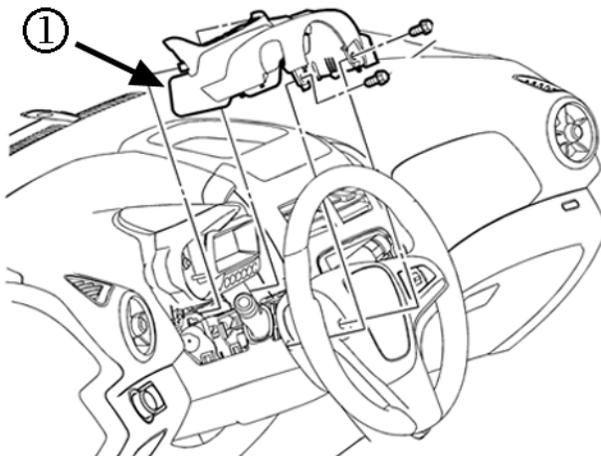
14. Reinstall the CPA to the connector.



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15. Reinstall the three removed connectors.

16. Connect an MDI and clear any DCT codes.



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17. Reinstall the steering column upper trim cover. Refer to *Steering Column Upper Trim Cover Replacement* in SI.

18. Enable the Supplemental Inflatable Restraints (SIR) system. Refer to *SIR Disabling and Enabling* in SI.

COURTESY TRANSPORTATION – For US and Canada

The General Motors Courtesy Transportation program is intended to minimize customer inconvenience when a vehicle requires a repair that is covered by the New Vehicle Limited Warranties. The availability of courtesy transportation to customers whose vehicles are within the warranty coverage period and involved in a product program is very important in maintaining customer satisfaction. Dealers are to ensure that these customers understand that shuttle service or some other form of courtesy transportation is available and will be provided at no charge. Dealers should refer to the General Motors Service Policies and Procedures Manual for Courtesy Transportation guidelines.

WARRANTY TRANSACTION INFORMATION

Submit a transaction using the table below. All transactions should be submitted as a ZFAT transaction type, unless noted otherwise.

Labor Code	Description	Labor Time
9100923	Steering Wheel Air Bag Coil X2 Connector Drag Test	0.5
9100924	Steering Wheel Air Bag Coil X2 Terminal Replacement (Incl. Inspection)	0.8

CUSTOMER NOTIFICATION

General Motors will notify customers of this recall on their vehicle.

DEALER RECALL RESPONSIBILITY – For US (US States, Territories, and Possessions)

It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by this notification under a sale or lease until the defect or noncompliance is remedied.

The US National Traffic and Motor Vehicle Safety Act provides that each vehicle that is subject to a recall of this type must be adequately repaired within a reasonable time after the customer has tendered it for repair. A failure to repair within sixty days after tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within a reasonable time, the customer may be entitled to an identical or reasonably equivalent vehicle at no charge or to a refund of the purchase price less a reasonable allowance for depreciation. To avoid having to provide these burdensome remedies, every effort must be made to promptly schedule an appointment with each customer and to repair their vehicle as soon as possible. In the recall notification letters, customers are told how to contact the US National Highway Traffic Safety Administration if the recall is not completed within a reasonable time.

DEALER RECALL RESPONSIBILITY – All

All unsold new vehicles in dealers' possession and subject to this recall must be held and inspected/repaired per the service procedure of this recall bulletin before customers take possession of these vehicles.

Dealers are to service all vehicles subject to this recall at no charge to customers, regardless of mileage, age of vehicle, or ownership, from this time forward.

Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the dealer listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. Recall follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this recall enters your vehicle inventory, or is in your dealership for service in the future, you must take the steps necessary to be sure the recall correction has been made before selling or releasing the vehicle.

