



Service Bulletin

File in Section: -

Bulletin No.: PI0117A

Date: October, 2011

PRELIMINARY INFORMATION

Subject: SIR/Airbag Indicator Light On, DTC B0019 or B0020 Set

Models: 2009-2010 Chevrolet HHR

This PI is being revised to update the Recommendation/Instructions. Please discard PI0117.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

Some customers may comment on the SIR/Airbag indicator/light on in the instrument panel cluster (IPC). Upon investigation, the technician may find SIR DTCs B0019.0D, B0019.04, B0020.0D and/or B0020.04 set.

Note: This concern only involves the SIR/Airbag indicator (shown below). Do not proceed with this bulletin if only the Passenger Airbag indicator is On.



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This condition may be caused by fretting corrosion on the terminals of inflatable restraint I/P harness to body harness connector X211 due to excessive vibration.

Recommendation/Instructions

A new sealed connector has been released.

If a vehicle is encountered with the above condition, follow the procedure below to replace the connector from the body harness to the I/P passenger inflatable restraint harness (X211):

Important: When installing the new terminal kit, the male connector should be installed to the body harness and the female connector should be installed to the I/P passenger inflatable restraint harness.

1. Disable the SIR system. Refer to SIR Disabling and Enabling in SI.
2. Remove the right side kick panel.
3. Remove the right sound insulator.

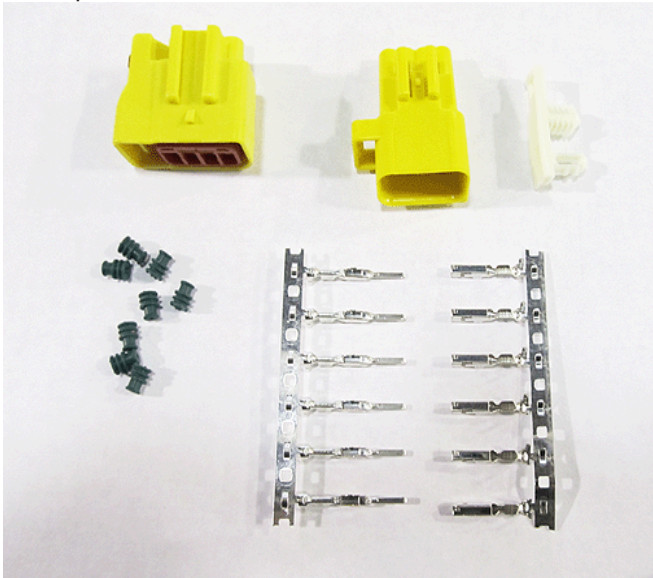
4. Remove the instrument panel (I/P) compartment.
5. Disconnect the I/P harness to body harness connector.

Important: Note the wire colors on the I/P passenger inflatable restraint and body harness. Ensure that the wire colors are matched when installing into the new connector.



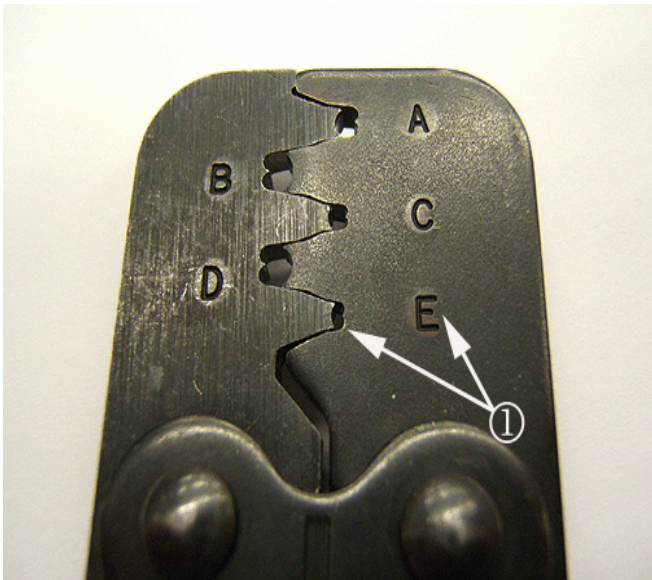
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6. Cut the wires from the I/P harness connector and body harness connector as close to the connector housing as possible to minimize wire length loss. Slide the conduit away on the airbag harness and remove just enough tape on the I/P harness to access the wires to install the terminals and seals.



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7. Slide the wire seals onto all leads back enough to enable removal of the insulation
8. Strip the insulation off all leads 5 mm (3/16 in). Align the seals with the wire insulation.



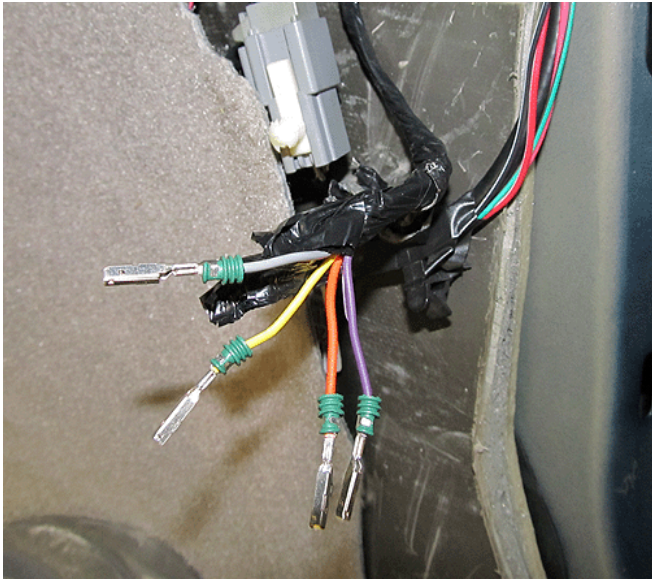
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9. Crimp the terminals on to the bare wire using the J-38125-7 crimp tool, jaw E (1).



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10. Position the wire seal to the terminal and crimp the seal and insulation using the J-38125-6 crimp tool, jaw 1 (1).



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The completed terminal and seal should appear as shown above.

Note: Avoid getting solder on the terminal end or overheating the terminal.

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 EL-28125-5A Ultra Torch or another butane fueled soldering iron when working on SIR circuits.

11. Solder all terminals at the wire crimp.



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Note: Remove the terminal position assurance (TPA) from the male connector before inserting the terminals.

Important: When installing the new terminal kit, the male connector should be installed to the body harness and the female connector should be installed to the I/P passenger inflatable restraint harness.

12. Slide the terminals into the appropriate connector body. Install the terminal position assurance (TPA) device onto the connector end.
13. Install the connector clip onto the appropriate connector body.
14. Add NyoGel 760 lubricant (dielectric lubricant) to the terminals on both sides of the connections.
15. Wrap Woven Polyester Electrical Tape (PET) (preferred) or equivalent anti-abrasion tape or electrical tape around the wires on the harness for a length of 30 mm (1.2 in) from the back of the connector. Continue to wrap the tape around the back of the connector.
16. Install the I/P harness to body harness connector.
17. Install the instrument panel (I/P) compartment.
18. Install the right sound insulator.
19. Install the right side kick panel.

20. Enable the SIR system. Refer to SIR Disabling and Enabling in SI.
21. Turn the ignition on and use the diagnostic tool to clear the SDM DTCs and verify that the issue has been corrected. If the code is still current, refer to the appropriate diagnostic procedure found in SI.

Parts Information

Part Number	Description
13580234	Wiring Harness Connector

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
N9674*	Replace Body Harness to I/P Passenger Inflatable Restraint Harness	0.7 hr

*This is a unique labor operation for bulletin use only. It will not be published in the Labor Time Guide.