

#05-09-41-001B: Supplemental Inflatable Restraint (SIR) Light ON, Diagnostic Trouble Codes (Inspect/Replace IP Harness to Inflatable Restraint Module (Air Bag) Yellow 4-Way Connector C221 and/or C222) - (Jun 2, 2008)

Subject: Supplemental Inflatable Restraint (SIR) Light ON, Diagnostic Trouble Codes (DTC) B0013, B0014, B0017, B0018, B0024, B0026, B0043, B0044 (Inspect and/or Replace IP Harness to Inflatable Restraint Module (Air Bag) Yellow 4-Way Connector C221 and/or C222)



Models: 2003-2006 Cadillac Escalade Models
2003-2006 Chevrolet Avalanche, Suburban, Tahoe
2003-2007 Chevrolet Silverado (Classic Only)
2003-2006 GMC Yukon, Yukon XL, Yukon Denali, Yukon Denali XL
2003-2007 GMC Sierra (Classic Only)

This bulletin is being revised to add the 2007 model year for pickups and change a part number. Please discard Corporate Bulletin Number 05-09-41-001A (Section 09 -- Restraints).

Condition

Some customers may comment that the Service Supplemental Inflatable Restraint Light is on.

Diagnosis with a scan tool may indicate a DTC B0013, B0014, B0017, B0018, B0024, B0026, B0043, B0044.

Cause

The most likely cause of any one of the following DTCs: B0013, B0014, B0017, B0018, B0024, B0026, B0043, B0044 is improper connection/high resistance in the IP harness to inflatable restraint module connector C221 and/or C222.

Diagnostic Information

DTC B0013, B0014, B0017, B0018, B0024, B0026, B0043, B0044 will set when one of the following conditions occur:

- The SDM detects the air bag module deployment loop resistance is greater than 4.8 ohms for 500 milliseconds.
- The SDM detects that the voltage at the air bag module high control is less than 2.4 volts and deployment loop resistance is 6 ohms or greater for 500 milliseconds.
- For additional diagnostic information, refer to DTC B0013, B0014, B0017, B0018, B0024, B0026, B0043, B0044 in the appropriate SI Document.

Correction

DO THIS	Don't Do This
Test for proper connection/high resistance at connector C221 and/or C222.	DO NOT replace SIR system components prior to testing for proper connection/high resistance in C221 and/or for DTCs B0013, B0014, B0017, B0018, B0024, B0026, B0043, B0044.

Caution: When performing service on or near the SIR components or the SIR wiring, the SIR system must be disabled. Refer to SIR Disabling and Enabling Zones. Failure to observe the correct procedure could cause deployment of the SIR components, personal injury, or unnecessary SIR system repairs.

Important:

The IP harness to inflatable restraint module connectors C221 or C222 is NOT located at the base of the steering column.

- C221 (4 Cavities) -- I/P Harness to Body Harness, behind the left kick panel
- C222 (4 Cavities) (w/o HP2) -- I/P harness to body harness, behind the right kick panel
- C222 (4 Cavities) (w/HP2) -- Behind the left side I/P access panel
- Refer to the Master Electrical Component List for additional location information.

1. Remove the appropriate side door sill plate.
2. Remove the appropriate side hinge pillar panel.
3. Locate the IP harness to inflatable restraint module yellow 4-way connector C221 or C222.
4. Inspect the IP harness to inflatable restraint module connector C221 or C222 for proper connection.
5. Disconnect and reconnect the IP harness to inflatable restraint module connector C221 or C222 THREE times.
6. Clear the DTC and road test the vehicle.
 - If DTCs B0013, B0014, B0017, B0018, B0024, B0026, B0043, B0044 DOES NOT reset, no additional repairs are necessary. Continue with step 10.
 - If DTCs B0013, B0014, B0017, B0018, B0024, B0026, B0043, B0044 DOES reset, the most likely cause is high resistance in the IP harness to inflatable restraint module connector C221 or C222. Continue with the next step.
7. Replace the appropriate connector C221 and/or C222, P/N's 15306186 and 88987998. Refer to SIR/SRS Wiring Repairs (SI Document ID #325229).
8. Road test the vehicle and confirm that the repair is complete.
9. Install the driver's side hinge pillar panel.
10. Install the driver's side door sill plate.

Parts Information

Part Number	Description	Qty
15306186	Connector (4-way Female, w/Leads)	1
88987998	Connector (4-way Male, w/Leads)	1

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
N6624	Wiring And/Or Connector - Occupant Safety - Repair Or Replace	Use Published Labor Operation Time

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