

Your Ultimate Source for OEM Repair Manuals

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2007 CHEVROLET Colorado Regular Cab OEM Service and Repair Workshop Manual

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- If less than infinite resistance, repair the short to ground on the circuit.
- If infinite resistance, replace the K85 Passenger Presence Module.

- **If greater than 5K Ω**

7. Disconnect the harness connector at the K85 Passenger Presence Module.

8. Test for less than 2 Ω between the B61P Seat Belt Tension Sensor - Passenger signal circuit terminal 2 and the K85 Passenger Presence Module signal circuit terminal 6.

- **If 2 Ω or greater**

Repair the open/high resistance in the circuit.

- **If less than 2 Ω**

9. If all circuits test normal, replace the B61P Seat Belt Tension Sensor - Passenger.

10. Ignition ON, clear DTCs. Operate the vehicle within the Conditions for Running the DTC.

11. Verify DTC B0071 does not set.

- **If DTC B0071 is set**

Replace the K85 Passenger Presence Module.

- **If DTC B0071 is not set**

12. All OK.

Repair Instructions

Perform the [Diagnostic Repair Verification](#) after completing the repair.

- [Front Seat Belt Retractor Replacement](#) for B61P Seat Belt Tension Sensor - Passenger
- [Control Module References](#) for passenger presence module replacement, programming, and setup

B0074 0E

The passenger presence module has detected a resistance below threshold.

B0074 0F

The passenger presence module has detected a wet seat fault.

Action Taken When the DTC Sets

The inflatable restraint sensing and diagnostic module requests the instrument panel cluster to illuminate the AIR BAG indicator.

Conditions for Clearing the DTC

- The condition for setting the DTC no longer exists.
- A history DTC will clear once 100 malfunction-free ignition cycles have occurred.

Diagnostic Aids

NOTE

Note

The following diagnostic aids apply for both current and history DTCs.

- Refer to [SIR Disabling and Enabling](#).
- Thoroughly inspect the wiring and the connectors. An incomplete inspection of the wiring and the connectors may result in a misdiagnosis, causing a part replacement with a reappearance of the malfunction. If an intermittent malfunction exists, refer to [Testing for Intermittent Conditions and Poor Connections](#).
- If either the inflatable restraint sensing and diagnostic module or passenger presence module were replaced verify that the correct part numbers were used for the vehicle application.
- If this DTC is set as either current or history it may have been caused by an electronic device. If an electronic device (computers, MP3 players, cell phones, diagnostic scan tool, power inverter, etc.) was placed on the passenger seat the passenger presence module may command the passenger air bag indicator to turn on and/or command the passenger seat belt indicator to turn on. Make sure there are no objects on the passenger seat and clear the DTCs. If this DTC resets then perform this diagnostic. If the DTC does not reset there is no further work needed on the passenger presence system.

The connector and connector position assurance (CPA) may seat independent of each other. Both the connector and CPA should seat with an audible and/or tactile click.

1. Verify the DTC remains current while moving the passenger seat forward and backward through it's full range of motion.
 - **If the DTC changes to History**

If the status changes this could be indication of a seat to vehicle harness connection issue, refer to Circuit/System Testing.
 - **If the DTC remains Current**
2. Verify with the scan tool, the fault does not change status while moving the harness near each connector listed below.
 - K85 Passenger Presence Module
 - B60 Passenger Presence Sensor
 - Any seat harness inline
 - **If the status changes**

If the reading is erratic while moving the harness, perform the following:

 - Inspect each connector terminal for damage or corrosion and repair as necessary.
 - Ensure each connector and CPA is correctly seated.
 - **If the status does not change**

3. All OK.

Circuit/System Testing

NOTE

Note

- Refer to [SIR Service Precautions](#).
- Refer to [SIR Disabling and Enabling](#).
- Inspect all terminals for damage or corrosion when disconnecting connectors. Damage or corrosion in the following requires repair or replacement of the affected component/connector.
 - Passenger presence module

- DTC B0074 00, B0074 0D or B0074 0E do not set.

4. All OK.

Repair Instructions

Perform the [Diagnostic Repair Verification](#) after completing the repair.

Sample