

# Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## **1994 CHEVROLET Cavalier OEM Service and Repair Workshop Manual**

[Go to manual page](#)

## YOUR CURRENT VEHICLE

### DTC B324D

#### DTC B324D

#### Diagnostic Instructions

- Perform the [Diagnostic System Check - Vehicle](#) prior to using this diagnostic procedure.
- Review [Strategy Based Diagnosis](#) for an overview of the diagnostic approach.
- [Diagnostic Procedure Instructions](#) provides an overview of each diagnostic category.

#### DTC Descriptors

<b>DTC B324D</b>	Instrument Panel Compartment Door Latch Actuator Circuit
------------------	--

For symptom byte information refer to: [Symptom Byte List](#).

#### Diagnostic Fault Information

Circuit	Short to Ground	Open/High Resistance	Short to Voltage	Signal Performance
BCM B+	B324D 01, B324D 04	B324D 01, B324D 04	—	—
Instrument Panel Compartment Door Unlatch Actuator Relay Control	B324D 02	B324D 04	B324D 01	—
Underhood Fuse Block Ground	—	B324D 04	—	—

## B324D 02 or B324D 04

The body control module will command the relay, but the relay will not energize and the instrument panel compartment door unlatch actuator will not activate

### Conditions for Clearing the DTC

- The DTC will be current for as long as the fault is present.
- When the fault is no longer present, the DTC will be a history DTC.
- A history DTC will clear after 50 ignition cycles.

### Reference Information

#### Schematic Reference

- [Instrument Panel and Console Schematics](#)
- [Door Lock/Indicator Schematics](#)

#### Connector End View Reference

[Component Connector End Views](#)

#### Description and Operation

[Instrument Panel Compartment Description and Operation](#)

#### Electrical Information Reference

- [Circuit Testing](#)
- [Connector Repairs](#)
- [Testing for Intermittent Conditions and Poor Connections](#)
- [Wiring Repairs](#)

#### Scan Tool Reference

[Control Module References](#) for scan tool information

### Circuit/System Verification

1. Ignition ON.
2. Verify the M91 Instrument Panel Compartment Door Unlatch Actuator activates when pressing the appropriate switch on the S48D Multifunction Switch 2 – Instrument Panel.

5. Ignition OFF, connect the X1 harness connector at the X50A Fuse Block-Underhood. Disconnect the X4 harness connector at the K9 Body Control Module, ignition ON.
6. Verify the M91 Instrument Panel Compartment Door Unlatch Actuator is not activated.
  - **If the M91 Instrument Panel Compartment Door Unlatch Actuator is activated**
    1. Ignition OFF, disconnect the X1 harness connector at the X50A Fuse Block-Underhood.
    2. Test for less than 1 V between the K9 Body Control Module control circuit terminal 8 X4 and ground.
      - If 1 V or greater, repair the short to voltage on the circuit.
      - If less than 1 V, replace the X50A Fuse Block-Underhood.
  - **If the M91 Instrument Panel Compartment Door Unlatch Actuator is not activated**
7. Connect a 3A fused jumper wire between the control circuit terminal 8 and B+.
8. Verify the M91 Instrument Panel Compartment Door Unlatch Actuator activates.
  - **If the M91 Instrument Panel Compartment Door Unlatch Actuator does not activate**
    1. Ignition OFF, remove the jumper wire, disconnect the X1 harness connector at the X50A Fuse Block-Underhood, ignition ON.
    2. Test for infinite resistance between the K9 Body Control Module control circuit terminal 8 X4 and ground.
      - If less than Infinite resistance, repair the short to ground on the circuit.
      - If infinite resistance
    3. Test for less than 2  $\Omega$  in the control circuit end to end.
      - If 2  $\Omega$  or greater, repair the open/high resistance in the circuit.
      - If less than 2  $\Omega$ , replace the X50A Fuse Block-Underhood.
  - **If the M91 Instrument Panel Compartment Door Unlatch Actuator activates**
9. Replace the K9 Body Control Module.

## Repair Instructions

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

- [Front Compartment Fuse Block Replacement](#)
- [Control Module References](#) for body control module replacement, programming and setup

## Instrument Panel and Console Schematics

**Wiring Diagram Details:**

- Power Source:** B+ terminal.
- Fuse Block (X50A):** Underhood.
- Relay (KR147):** Instrument Panel Compartment Door Unlatch Actuator Relay.
- Fuse (F14UA):** 15A.
- Fuse (F10RA):** 8A.
- Switch (S137):** Instrument Panel Compartment Door Unlatch Switch.
- Actuator (M91):** Instrument Panel Compartment Door Unlatch Actuator.
- Body Control Module (K9):** Body Control Module.
- Wires:** 2450 BK, 1550 BK, 4048 BN/GY, 4046 BN/WH, 4047 GN.
- Terminals:** X2, K4, X1, G2, H1, X4, 8, X2, 18.

#### 4047 Instrument Panel Compartment Door Unlatch Signal