

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.

2006 Chevrolet Silverado Service Manual

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- If $2\ \Omega$ or greater, repair the open/high resistance in the circuit.
- If less than $2\ \Omega$, replace the K23 Folding Top Control Module.

- **If the test lamp illuminates**

3. Disconnect the X1 harness connector at K23 Folding Top Control Module.

4. Test for less than 1 V between the B251 Folding Top Down Position Sensor signal circuit terminal 2 and ground.

- **If 1 V or greater**

Repair the short to voltage on the circuit.

- **If less than 1 V**

5. Test for infinite resistance between signal circuit and ground.

- **If less than infinite resistance**

Repair the short to ground on the circuit.

- **If infinite resistance**

6. Test for less than $2\ \Omega$ between the B251 Folding Top Down Position Sensor signal circuit terminal 2 and the K23 Folding Top Control Module signal circuit terminal 15 X1.

- **If greater than $2\ \Omega$**

Repair the open/high resistance in the circuit.

- **If $2\ \Omega$ or less**

7. Test or replace the B251 Folding Top Down Position Sensor.

8. Ignition ON

9. Verify the scan tool Folding Top Down Position Sensor parameter changes between On and Off when closing and opening folding top.

- **If parameter does not change between On and Off**

Replace the K23 Folding Top Control Module.

- **If parameter changes between On and Off**

10. All OK.

Repair Instructions

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



YOUR CURRENT VEHICLE

DTC B1322 and B1323

DTC B1322 and B1323

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 Descriptor

DTC B1322	Tonneau Up Sensor Circuit
DTC B1323	Tonneau Down and Latched Sensor 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
High Control	B1445 02	B12FF 06, B12FE 06, B1322 06, B1323 06, B1311 06, B1310 06, B3687 06, B3688 06, B1445 04	—	—
Signal – Terminal 2	B1322 06	B1322 06	B1322 01	B1322 08

The folding top control module has detected an invalid signal in the signal circuit.

Action Taken When the DTC Sets

If folding top switch is pressed, the driver information center will display “Only Manual Operation of Top Possible”.

Conditions for Clearing the DTC

The condition responsible for setting the DTC no longer exists.

Reference Information

Schematic Reference

[Folding Top Schematics](#)

Connector End View Reference

[Component Connector End Views](#)

Description and Operation

[Power Folding Top 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 scan tool Folding Top Stowage Compartment Lid Open Position Sensor and Folding Top Stowage Compartment Lid Fully Closed Position Sensor parameters change between On and Off when closing and opening the folding top.
 - **If parameter does not change between On and Off**

- B245 Folding Top Stowage Compartment Lid Fully Closed Position Sensor – Signal circuit terminal 3
- **If less than infinite resistance**
Repair the short to ground on the circuit.
- **If infinite resistance**

6. Test for less than 2 Ω in the signal circuits end to end:

- B248 Folding Top Stowage Compartment Lid Open Position Sensor terminal 2 to K23 Folding Top Control Module terminal 11 X1
- B245 Folding Top Stowage Compartment Lid Fully Closed Position Sensor terminal 3 to K23 Folding Top Control Module terminal 12 X1
- **If greater than 2 Ω**
Repair the open/high resistance in the circuit.
- **If 2 Ω or less**

7. Test or replace the appropriate B248 Folding Top Stowage Compartment Lid Open Position Sensor or B245 Folding Top Stowage Compartment Lid Fully Closed Position Sensor.

8. Ignition ON.

9. Verify the scan tool Folding Top Stowage Compartment Lid Open Position Sensor and Folding Top Stowage Compartment Lid Fully Closed Position Sensor parameters change between On and Off when closing and opening folding top.

- **If parameter does not change between On and Off**
Replace the K23 Folding Top Control Module.
- **If parameter changes between On and Off**

10. All OK.

Repair Instructions

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

- [Roof Retractable Position Sensor Replacement](#)
- [Control Module References](#) for folding top control module replacement, programming and setup.