

GENERIC · BODY

B0102

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0102

Power Mirror Switch Circuit

B0102 indicates a fault in the power mirror switch circuit, which is the electrical path between the mirror control switch and the body control module (BCM) or dedicated mirror module. The computer has detected an abnormal voltage or current on the switch signal circuit, such as a short to ground, short to power, or open circuit, preventing it from reliably commanding the mirrors.

SYSTEM

Body

CODE TYPE

Generic (all makes)

SEVERITY

Low

FIX DIFFICULTY

Intermediate

AREA

Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- One or both power mirrors fail to move in any direction
- Mirror moves only in some directions or moves intermittently
- Mirror switch feels loose or unresponsive when pressed
- Often no symptoms besides the warning light, especially if the fault is intermittent
- Memory mirror positions may not recall correctly if the switch signal is erratic
- Mirror may move on its own or not stop when the switch is released

Common causes, most likely first

- 1 Faulty power mirror switch (worn contacts or internal failure)
- 2 Damaged or corroded wiring harness between the door and body (flex point)
- 3 Loose or corroded connector at the switch or mirror motor
- 4 Short to ground or short to power on the switch signal circuit
- 5 Failed body control module (BCM) or mirror control module
- 6 Blown fuse or poor ground connection for the mirror circuit

How to diagnose and fix it

- 1 Verify the fault with a scan tool and check for related codes in the BCM or mirror module
- 2 Inspect the power mirror switch connector for corrosion, loose pins, or damage
- 3 Test the switch with a multimeter for continuity and correct voltage signals in each position
- 4 Check the wiring harness at the door hinge area for chafed or broken wires
- 5 Measure resistance and voltage on the switch signal circuit to rule out shorts or opens
- 6 If the switch and wiring test good, test the mirror motor circuits and the BCM output
- 7 Replace the faulty switch, repair wiring, or replace the BCM as needed, then clear codes and retest



Common misdiagnosis traps for B0102

- A faulty switch is often replaced unnecessarily when the real problem is a chafed wire in the door hinge boot, which flexes every time the door opens.
- Intermittent B0102 codes frequently trace to a poor ground connection at the mirror motor or switch, not a failed component.
- Some vehicles use a serial data message from the switch to the BCM, so a scan tool that reads live switch data is more useful than a simple multimeter.
- The code can be set by a weak battery or low voltage during cranking, so always check battery health before condemning the switch.
- Aftermarket mirror replacements with incorrect resistance can trigger B0102 even when the switch and wiring are perfect.

Can I keep driving with B0102?

The vehicle remains safe to drive because the power mirrors are a convenience feature and do not affect steering, braking, or visibility laws in most areas. Avoid adjusting the mirrors repeatedly until the fault is repaired, and manually position them if needed for safe driving.

Tools that help

- Scan tool with body control module capability
- Digital multimeter
- Trim removal tools
- Wiring diagram for the power mirror circuit
- Test light or jumper wires

Reading B0102

- B** Body: airbags, seats, doors, lights and comfort systems.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 1** Airbags, seats, doors, lights and comfort systems.
- 02** The exact fault within that area.

Often seen with

B0100 Restraints Control Module Internal Fault · **B0101** Front Crash Sensor Circuit Malfunction · **B0103** Front Crash Sensor Left Communication Lost · **U0140** Lost Communication With Instrument Panel Cluster



See it working

Watch the animated explainer [How a Starter Motor Works: Pre-Engaged Starter](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0102/>

