

GENERIC · BODY

B0327

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0327

Passenger Seat Position Memory

B0327 indicates that the passenger seat position memory system has a fault, typically involving the seat position sensor or its circuit. The body control module (BCM) or seat memory module detected an out-of-range voltage or signal from the passenger seat position sensor, which prevents the memory function from accurately storing or recalling the seat's position.

SYSTEM

Body

CODE TYPE

Generic (all makes)

SEVERITY

Low

FIX DIFFICULTY

Intermediate

AREA

Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- The passenger seat memory feature does not store or recall the set position.
- The seat may not move automatically to the memorized position when the corresponding button is pressed.
- A warning light or message may appear on the dashboard indicating a seat memory system fault.
- The passenger seat may move unexpectedly or fail to move when adjusted manually.
- Often no symptoms besides the warning light, as the memory function may be rarely used.

Common causes, most likely first

- 1 Faulty passenger seat position sensor or its wiring.
- 2 Open or short circuit in the seat position sensor circuit.
- 3 Failed seat memory control module or body control module (BCM).
- 4 Corroded or loose electrical connectors at the seat or module.
- 5 Mechanical binding or obstruction in the seat track affecting sensor reading.
- 6 Software glitch in the memory module requiring recalibration or update.

How to diagnose and fix it

- 1 Inspect the passenger seat position sensor and its wiring for visible damage or corrosion.
- 2 Check the electrical connectors at the seat and module for tightness and cleanliness.
- 3 Use a scan tool to read live data from the seat position sensor and verify smooth voltage changes through the seat travel.
- 4 Perform a resistance test on the sensor circuit to check for opens or shorts.
- 5 If the sensor signal is erratic, replace the passenger seat position sensor.
- 6 If the circuit is intact but the memory function still fails, test the seat memory module and BCM for proper operation.
- 7 After repair, clear the code and perform a memory system recalibration if required by the manufacturer.

Common oversights in seat memory diagnostics

- A weak or dying battery can cause the seat memory module to lose its stored positions and set B0327, so always check battery voltage and connections first.
- The seat position sensor often shares a ground with other seat components; a bad ground can cause multiple seat-related codes, not just B0327.
- After replacing the seat position sensor, some vehicles require a relearn procedure for the memory system, which is often overlooked.
- The code can be set by a mechanical issue such as a seat track obstruction that prevents the seat from reaching its full travel, causing the sensor to read out of range.
- B0327 may be stored intermittently due to a loose connector that only loses contact when the seat is moved, so wiggle-test the harness while watching live data.

Can I keep driving with B0327?

The vehicle remains safe to drive because the passenger seat memory function is a convenience feature and does not affect safety systems. Avoid using the memory function until repaired to prevent unexpected seat movement, and address the issue promptly to avoid battery drain or further electrical faults.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Wire probe set
- Service manual for the specific vehicle
- Basic hand tools for trim removal

Reading B0327

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

Often seen with

B0330 HVAC Rear Blower Motor Circuit



See it working

Watch the animated explainer [How a Manual Transmission Works: Four-Speed Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0327/>

