

GENERIC · BODY

B00C5

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B00C5

Passenger Seat Track Position Restraints Sensor

B00C5 indicates that the restraints control module has detected a fault in the passenger seat track position sensor circuit, which is used to determine how far forward or rearward the passenger seat is positioned. The module monitors the sensor's signal voltage and sets this code when the voltage falls outside the expected range or the circuit is open or shorted.

SYSTEM Body	CODE TYPE Generic (all makes)	SEVERITY Medium	FIX DIFFICULTY Intermediate	AREA Airbags, seats, doors, lights and comfort systems
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Symptoms you may notice

- Airbag warning light illuminated on the instrument cluster
- Passenger airbag may be automatically disabled even when the seat is occupied
- Seat position memory or easy-entry feature may not function correctly
- Intermittent warning light that comes and goes over bumps or when adjusting the seat
- Often no symptoms besides the warning light, with no noticeable change in vehicle operation

Common causes, most likely first

- Faulty passenger seat track position sensor
- Damaged or chafed wiring harness under the seat
- Loose or corroded electrical connector at the sensor or module
- Seat track mechanism binding or damaged, causing sensor misalignment
- Failed restraints control module (less common)
- Aftermarket seat covers or accessories interfering with sensor movement

How to diagnose and fix it

- Inspect the under-seat wiring and connectors for damage, corrosion, or loose pins
- Check the sensor mounting and seat track for physical damage or binding
- Measure sensor resistance or voltage with a multimeter and compare to manufacturer specifications
- Perform a wiggle test on the harness while monitoring live data to identify intermittent faults
- Replace the seat track position sensor if it fails electrical testing
- Repair or replace damaged wiring and connectors as needed
- Clear the code and verify the repair with a scan tool and test drive



Seat position sensor faults often misdiagnosed

- A seat track position sensor that is simply unplugged or has a loose connector can set B00C5, so always check connector seating before replacing parts.
- The sensor is often part of the seat track assembly and may not be available separately, requiring replacement of the entire track on some vehicles.
- Aftermarket seat covers or objects lodged under the seat can prevent the sensor from moving through its full range, triggering the code.
- The restraints control module may set this code if battery voltage is low during cranking, so check for other low-voltage codes before condemning the sensor.
- This code does not always mean the airbag system is disabled; the module may still deploy the passenger airbag based on other inputs, but the warning light will remain on.

Can I keep driving with B00C5?

The vehicle is safe to drive, but the passenger airbag may not deploy correctly in a crash if the seat position is not detected. Avoid carrying passengers in the front seat until the fault is repaired, and have the system diagnosed promptly.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Trim removal tools
- Socket set
- Wiring diagram for the specific vehicle

Reading B00C5

- B** Body: airbags, seats, doors, lights and comfort systems.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 0** Airbags, seats, doors, lights and comfort systems.
- C5** The exact fault within that area.

Often seen with

B0001 Driver Frontal Stage 1 Deployment Control Circuit · **B00C6** Passenger Seat Recline Position Restraints Sensor · **B00C7** Passenger Seat Occupant Position Sensor A · **B00C8** Passenger Seat Occupant Position Sensor B · **U0151** Lost Communication With Restraints Control Module



See it working

Watch the animated explainer [How Airbags Work: A 50 km/h Crash in Slow Motion](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b00c5/>

