

GENERIC · BODY

B00C8

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B00C8

Passenger Seat Occupant Position Sensor B

B00C8 indicates that the body control module or occupant detection module has detected a fault in the passenger seat occupant position sensor circuit, specifically the 'B' sensor. The computer monitors the sensor's signal voltage and sets this code when the reading falls outside the expected range or the circuit has an open, short, or erratic signal.

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 dashboard
- Passenger airbag may be automatically disabled even with an adult seated
- Passenger seatbelt reminder chime may not activate
- Inconsistent or no response from the passenger seat position sensor during diagnostics
- Often no symptoms besides the warning light

Common causes, most likely first

- Faulty passenger seat occupant position sensor B
- Damaged or chafed wiring harness under the passenger seat
- Loose or corroded electrical connector at the sensor or module
- Failed occupant detection module or body control module
- Seat track obstruction or mechanical binding affecting sensor movement
- Water intrusion or debris in the seat connector area

How to diagnose and fix it

- Inspect the passenger seat wiring harness and connectors for damage, corrosion, or loose pins
- Check the sensor mounting and seat track for physical obstructions or binding
- Measure sensor resistance and voltage with a multimeter and compare to manufacturer specifications
- Perform a calibration or relearn procedure for the occupant detection system using a scan tool
- Replace the passenger seat occupant position sensor B if tests confirm it is faulty
- Repair or replace damaged wiring and connectors as needed
- Clear the code and verify the repair by cycling the ignition and checking for return of the fault



What Most Techs Miss on B00C8

- A weak or failing battery can cause erratic sensor signals and set this code without any sensor fault, so always check battery health first.
- The occupant position sensor often shares a connector with the seatbelt buckle and weight sensor, so corrosion in one pin can affect multiple systems.
- After replacing the sensor or module, a calibration procedure is usually required; skipping it will cause the code to reset immediately.
- Seat covers or heavy objects left on the passenger seat can interfere with sensor operation and trigger false codes.
- This code can be set by a faulty passenger seat weight sensor even though the definition points to position sensor B, so verify which sensor is actually reporting.

Can I keep driving with B00C8?

The vehicle is generally safe to drive, but the passenger airbag may not deploy correctly in a crash, so avoid carrying passengers in the front seat until the fault is repaired. Have the system diagnosed promptly to restore full safety functionality.

Tools that help

- OBD-II scan tool with body control module capability
- Digital multimeter
- Trim removal tools
- Manufacturer service information for calibration procedures
- Socket set for seat removal if needed

Reading B00C8

- 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.
- C8** The exact fault within that area.

Often seen with

B00C5 Passenger Seat Track Position Restraints Sensor · **B00C6** Passenger Seat Recline Position Restraints Sensor · **B00C7** Passenger Seat Occupant Position Sensor A · **B00C9** Passenger Seat Occupant Position Sensor C · **B00CA** Passenger Seat Occupant Position Sensor D



See it working

Watch the animated explainer [How Hydraulic Brakes Work: Pedal to Caliper](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b00c8/>

