

GENERIC · BODY

B00B3

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B00B3

Driver Seat Occupant Classification Sensor D

B00B3 indicates that the Occupant Classification System (OCS) module has detected a fault specifically with Sensor D in the driver's seat, which is part of the weight-sensing mat used to determine if an occupant is present and their size. The computer compares the sensor's signal to expected values and sets this code when the reading is out of range, erratic, or missing entirely.

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

Symptoms you may notice

- The airbag warning light on the instrument cluster is illuminated.
- The passenger airbag may be disabled automatically even when an adult is seated, though this code is for the driver's seat.
- In some vehicles, the seatbelt reminder chime may not activate or may behave erratically.
- The driver's seat may feel normal, and often there are no symptoms besides the warning light.
- Remote start or other features that rely on occupant detection may be disabled.
- In rare cases, the seat adjustment memory may not function correctly if the OCS shares data with the seat module.

Common causes, most likely first

- A faulty occupant classification sensor (sensor D) in the driver's seat cushion.
- Damaged or pinched wiring under the seat, often from seat movement or objects caught in the track.
- Corroded or loose electrical connector at the OCS sensor or control module.
- A failed occupant classification system control module.
- Liquid spill or physical damage to the seat cushion and sensor mat.
- Aftermarket seat covers or heavy objects placed on the seat that interfere with sensor calibration.
- Software glitch in the OCS module requiring recalibration or reprogramming.



How to diagnose and fix it

- 1 Inspect the under-seat wiring and connectors for damage, corrosion, or loose pins; repair or replace as needed.
- 2 Check for any aftermarket accessories or objects under the seat that could interfere with the sensor.
- 3 Use a scan tool to read live data from the OCS sensors and compare sensor D readings to the other sensors for consistency.
- 4 Perform a zero-point calibration or relearn procedure for the occupant classification system as specified by the manufacturer.
- 5 If calibration fails or sensor D readings are out of range, replace the occupant classification sensor mat or sensor D as applicable.
- 6 After replacement, clear codes and verify the airbag light is off and the system passes a self-test.
- 7 If the fault persists, diagnose the OCS control module and its power/ground circuits, replacing the module if necessary.

Common Missteps with Occupant Sensor D

- A common mistake is replacing the seat sensor when the real problem is a chafed wire under the seat that only acts up when the seat is moved.
- The OCS may set this code after a battery replacement or low voltage event; a simple recalibration often resolves it without parts.
- Aftermarket seat covers or heavy objects left on the seat can cause the sensor to read out of range and set this code.
- This code does not always mean the sensor is dead; it can be set by a loose connector or a module that needs a software update.
- On some vehicles, the driver's seat OCS shares a circuit with the passenger seat, so a fault in the passenger side can trigger a driver-side code.

Can I keep driving with B00B3?

You can generally drive with this code, but the airbag system may be compromised, so have it diagnosed promptly. Avoid heavy loads on the driver's seat and do not attempt to bypass or disable the airbag system.

Tools that help

- OBD-II scan tool with live data and bidirectional control capabilities
- Digital multimeter
- Trim removal tools
- Socket set
- Manufacturer-specific diagnostic software (if available)



Reading B00B3

- 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.
- B3** The exact fault within that area.

Often seen with

B0092 Side Impact Sensor Left Front Malfunction · **B00B2** Driver Seat Occupant Classification Sensor C · **B00B4** Driver Seat Occupant Classification Sensor E · **B00B5** Driver Seat Track Position Restraints Sensor · **U0151** Lost Communication With Restraints Control Module

See it working

Watch the animated explainer [Turbocharger Trainer: Boost, Wastegate and Intercooler](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b00b3/>

