

GENERIC · BODY

B00B0

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B00B0

Driver Seat Occupant Classification Sensor A

B00B0 indicates that the occupant classification system for the driver's seat has detected a fault with Sensor A, which is part of the weight-sensing mat or bladder used to determine if a person is present and how heavy they are. 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

Body

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- The airbag warning light on the dashboard stays illuminated.
- The passenger airbag may be automatically disabled even when an adult is seated, though this code specifically affects the driver's seat.
- In some vehicles, the seatbelt reminder chime may not activate or may activate incorrectly.
- The driver's seat may not adjust automatically if the vehicle has a memory seat feature tied to occupant detection.
- Often no symptoms besides the warning light, as the system may default to a safe state without noticeable changes.

Common causes, most likely first

- 1 A faulty occupant classification sensor (the weight sensor itself) in the driver's seat cushion.
- 2 Damaged or pinched wiring under the seat, often from seat movement or objects caught in the tracks.
- 3 A loose or corroded connector at the sensor or at the occupant classification module.
- 4 The occupant classification module (a separate control unit) has failed or has internal errors.
- 5 Seat cushion damage or debris interfering with the sensor mat's operation.
- 6 Aftermarket seat covers or heavy objects placed on the seat that alter the sensor's readings.
- 7 Software glitches in the occupant classification system that require recalibration or a module update.



How to diagnose and fix it

- 1 Inspect the wiring and connectors under the driver's seat for damage, corrosion, or looseness, and repair as needed.
- 2 Check for any aftermarket accessories or objects on the seat that could affect the sensor and remove them.
- 3 Use a scan tool to read live data from the occupant classification sensor to see if the reading is within the expected range.
- 4 Perform a zero-point calibration or relearn procedure for the occupant classification system as specified by the manufacturer.
- 5 If the sensor signal is out of range, replace the occupant classification sensor mat or bladder assembly in the driver's seat cushion.
- 6 If the sensor and wiring are good, test the occupant classification module and replace it if faulty.
- 7 After repairs, clear the code and verify the airbag warning light goes out and the system passes a self-test.

Common missteps with driver seat sensor codes

- A common mistake is to replace the sensor without first checking the wiring harness under the seat, as chafed wires from seat movement are a frequent cause of this code.
- The occupant classification system often requires a calibration procedure after any sensor or module replacement, and skipping this step will leave the code stored.
- This code can be set by a weak battery or low voltage condition, so always verify the charging system before condemning expensive components.
- Some vehicles use a bladder and pressure sensor rather than a weight mat, and the diagnostic approach differs, so consult the factory service information for the specific system.
- The driver's seat occupant classification sensor is sometimes confused with the passenger side, but B00B0 specifically refers to the driver's seat, so do not replace passenger-side components.

Can I keep driving with B00B0?

You can generally continue driving with this code, but the airbag system may be compromised, so avoid severe impacts and have the fault diagnosed promptly to ensure the driver's airbag deploys correctly when needed.

Tools that help

- OBD-II scan tool with live data and bidirectional control capabilities
- Digital multimeter for checking wiring continuity and resistance
- Factory service information for wiring diagrams and calibration procedures
- Socket set and trim removal tools for accessing the seat sensor
- Torque wrench for seat bolt reinstallation



Reading B00B0

- 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.
- B0** The exact fault within that area.

Often seen with

B00B1 Driver Seat Occupant Classification Sensor B · **B00B2** Driver Seat Occupant Classification Sensor C · **B00B3** Driver Seat Occupant Classification Sensor D · **U0151** Lost Communication With Restraints Control Module

See it working

Watch the animated explainer [How a Padlock Works: Pin Tumbler Lock in X-Ray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b00b0/>

