

GENERIC · BODY

B00B2

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B00B2

Driver Seat Occupant Classification Sensor C

B00B2 indicates that the occupant classification system (OCS) has detected a fault with Sensor C in the driver's seat, which is used to determine whether an adult, child, or no one is sitting there so the airbag can deploy appropriately. The computer sets this code when the sensor's signal is out of range, erratic, or missing entirely.

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

- The airbag warning light stays illuminated on the dashboard.
- The passenger airbag indicator may show 'off' even when an adult is seated.
- The seatbelt reminder chime may not activate when the driver's seat is occupied.
- In some vehicles, the airbag system may be disabled entirely as a fail-safe.
- Often no symptoms besides the warning light, with no change in seat comfort or adjustment.
- Intermittent warning light that comes and goes over bumps or when the seat is moved.

Common causes, most likely first

- 1A faulty occupant classification sensor (pressure sensor) in the driver's seat cushion.
- 2Damaged or pinched wiring under the seat, often from seat movement or cargo.
- 3A loose or corroded electrical connector at the sensor or under the seat.
- 4A failed occupant classification module (OCM) that processes the sensor signal.
- 5Seat cushion damage or foreign objects interfering with the sensor mat.
- 6Water intrusion or spills soaking into the seat cushion and damaging the sensor.
- 7Aftermarket seat covers or heavy objects left on the seat altering sensor readings.

How to diagnose and fix it

- 1 Inspect the under-seat wiring and connectors for damage, corrosion, or looseness; reseal any connectors.
- 2 Check for aftermarket seat covers, heavy objects, or debris on the seat that could affect sensor readings.
- 3 Use a scan tool to read live data from the occupant classification sensor and compare to expected values.
- 4 Perform a resistance or voltage test on the sensor circuit according to the manufacturer's procedure.
- 5 If the sensor is faulty, replace the occupant classification sensor mat or sensor as required.
- 6 After repair, clear the code and perform the occupant classification system reset or calibration as specified.
- 7 Verify the repair by confirming the airbag light is off and the passenger airbag indicator functions correctly.

Before you replace the seat sensor

- A common oversight is a loose connector under the seat that gets kicked or disturbed by sliding the seat back and forth.
- The code can be set by a weak battery or low voltage condition, so always check the charging system before condemning the sensor.
- Aftermarket seat covers or heavy objects left on the seat can mimic a sensor failure and set this code.
- The occupant classification system often requires a relearn or calibration procedure after any sensor or module replacement, which many DIYers skip.
- This code does not always mean the sensor itself has failed; wiring faults and module issues are frequent culprits.

Can I keep driving with B00B2?

You can generally drive with this code, but the airbag system may be disabled or may not deploy correctly in a crash, so have it diagnosed promptly and avoid carrying passengers in the affected seat until repaired.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Socket set and trim removal tools
- Manufacturer-specific diagnostic software or reset tool
- Torque wrench



Reading B00B2

- 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.
- B2** The exact fault within that area.

Often seen with

B00B0 Driver Seat Occupant Classification Sensor A · **B00B1** Driver Seat Occupant Classification Sensor B · **B00B3** Driver Seat Occupant Classification Sensor D · **B00B4** Driver Seat Occupant Classification Sensor E · **B00B5** Driver Seat Track Position Restraints Sensor

See it working

Watch the animated explainer [How ABS Works: Anti-Lock Brakes in X-Ray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b00b2/>

