

GENERIC · BODY

B00C2

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B00C2

Passenger Seat Occupant Classification Sensor C

B00C2 indicates that the occupant classification system (OCS) for the passenger seat has detected a fault in sensor C, which is part of the weight-sensing mat or bladder assembly. The computer compares the sensor's signal to expected values and sets this code when the signal 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
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Symptoms you may notice

- The airbag warning light on the dashboard is illuminated.
- The passenger airbag may be automatically disabled, even with an adult in the seat.
- The passenger seatbelt reminder may not chime or may chime incorrectly.
- The passenger airbag status indicator may show 'off' or 'disabled' when it should be 'on'.
- Often no symptoms besides the warning light, with the system otherwise functioning normally.

Common causes, most likely first

- 1 Faulty occupant classification sensor C (part of the weight-sensing mat or bladder).
- 2 Damaged or chafed wiring harness under the passenger seat.
- 3 Loose or corroded electrical connector at the sensor or control module.
- 4 Occupant classification module (OCM) software needs recalibration or has failed.
- 5 Liquid spill or physical damage to the seat cushion affecting the sensor.
- 6 Aftermarket seat covers or heavy objects left on the seat interfering with calibration.

How to diagnose and fix it

- 1 Inspect the passenger seat area for any aftermarket accessories or heavy objects and remove them.
- 2 Check the wiring harness and connectors under the seat for damage, corrosion, or looseness; repair as needed.
- 3 Use a scan tool to read live data from the occupant classification sensors and compare sensor C readings to expected values.
- 4 Perform the occupant classification system calibration procedure according to the manufacturer's instructions.
- 5 If calibration fails or sensor C readings are out of range, replace the weight-sensing mat or sensor assembly.
- 6 After repair, clear the code and verify the airbag system operates correctly with a passenger seated.

Common misdiagnosis traps for B00C2

- A weak or failing battery can cause erratic sensor readings and set this code; always check battery voltage and charging system first.
- Seat covers, cushions, or objects left on the passenger seat can mimic a sensor fault by altering the weight distribution.
- The occupant classification system often requires recalibration after any seat or sensor replacement, and skipping this step will cause the code to return.
- Wiring harness damage from seat movement is common, especially at the connector under the seat; inspect the harness flex points carefully.
- This code can be set by a faulty occupant classification module even when the sensor itself is good, so module diagnostics should be performed before replacing parts.

Can I keep driving with B00C2?

The vehicle is safe to drive, but the passenger airbag may be disabled, reducing protection for a front passenger. 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
- Manufacturer-specific diagnostic software or scan tool
- Socket set and trim removal tools
- Torque wrench

Reading B00C2

- 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.
- C2** The exact fault within that area.

Often seen with

B00C0 Passenger Seat Occupant Classification Sensor A · **B00C1** Passenger Seat Occupant Classification Sensor B · **B00C3** Passenger Seat Occupant Classification Sensor D · **B00C4** Passenger Seat Occupant Classification Sensor E · **B00C5** Passenger Seat Track Position Restraints Sensor



See it working

Watch the animated explainer [Master the Four-Stroke Engine Cycle](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b00c2/>

