



B00A1

Occupant Position System

B00A1 indicates that the Occupant Position System has detected a fault, typically a circuit or sensor issue within the occupant classification or position sensing system. The computer monitors sensors in the seats to determine occupant presence, position, and weight, and sets this code when the signal from a position sensor or its circuit is out of expected range or missing.

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

Symptoms you may notice

- Airbag warning light illuminated on the dashboard
- Passenger airbag may be automatically disabled even with an adult seated
- Seatbelt reminder chime may not activate or may activate incorrectly
- Power seat memory or easy-entry features may not function
- Often no symptoms besides the warning light

Common causes, most likely first

- 1 Faulty occupant position sensor or weight sensor in the seat
- 2 Damaged or chafed wiring under the seat, often from seat movement
- 3 Loose or corroded connector at the seat harness
- 4 Failed occupant classification module (OCM) or seat control module
- 5 Seat track position sensor misalignment or failure
- 6 Aftermarket seat covers or objects interfering with sensor calibration

How to diagnose and fix it

- 1 Inspect the under-seat wiring and connectors for damage, corrosion, or looseness
- 2 Check for any aftermarket accessories or objects that may obstruct the seat sensors
- 3 Use a scan tool to read live data from the occupant position sensor and compare to specifications
- 4 Perform a calibration or relearn procedure for the occupant classification system if required
- 5 Test the sensor circuit with a multimeter for continuity, resistance, and voltage drops
- 6 Replace the faulty sensor or module and clear the code, then verify the repair



Before you replace the occupant sensor

- A common oversight is a loose connector under the seat that gets bumped by passengers or cargo, causing intermittent faults that mimic a failed sensor.
- Seat-mounted sensors can be affected by spilled liquids or debris, leading to false readings that set this code without any visible damage.
- The occupant position system often shares wiring with the seatbelt buckle switch, so a fault in that circuit can trigger B00A1 even if the position sensor itself is fine.
- After a battery replacement or module disconnect, some vehicles require a recalibration of the occupant classification system, and skipping this step can cause the code to reappear.
- This code does not always mean the airbag system is disabled; it may only affect the passenger airbag suppression feature, but the system should still be diagnosed promptly for safety.

Can I keep driving with B00A1?

It is generally safe to drive with this code, but the passenger airbag may not deploy correctly in a crash, so avoid carrying passengers in the affected seat until the fault is repaired. Have the system diagnosed by a qualified technician as soon as possible.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Trim removal tools
- Socket set
- Service manual or wiring diagram

Reading B00A1

- 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.
- A1** The exact fault within that area.

Often seen with

B00A0 Occupant Classification System · **U0151** Lost Communication With Restraints Control Module



See it working

Watch the animated explainer [Car Relay Test Bench: Test 4-Pin and 5-Pin Relays](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b00a1/>

