



B00A0

Occupant Classification System

B00A0 indicates that the Occupant Classification System (OCS) has detected a fault, typically a signal or communication problem with the passenger seat weight sensor or its control module. The computer sets this code when the expected resistance, voltage, or data from the occupant classification sensor falls outside the programmed range, disabling the passenger airbag in many cases.

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

Symptoms you may notice

- Airbag warning light illuminated on the dashboard
- Passenger airbag status indicator shows 'off' or 'disabled' even with an adult in the seat
- Passenger airbag may not deploy in a collision
- Often no symptoms besides the warning light
- Intermittent warning light that comes and goes with seat movement or temperature changes

Common causes, most likely first

- 1 Faulty occupant classification sensor (weight sensor) in the passenger seat cushion
- 2 Damaged or pinched wiring under the passenger seat
- 3 Loose or corroded connector at the occupant classification module or sensor
- 4 Failed occupant classification control module
- 5 Seat cushion foam degradation or foreign objects interfering with the sensor
- 6 Spilled liquids or physical damage to the seat sensor mat



How to diagnose and fix it

- 1 Inspect the under-seat wiring and connectors for damage, corrosion, or looseness; reseal connectors and clear the code
- 2 Check for technical service bulletins (TSBs) or software updates for the occupant classification system
- 3 Perform a zero-point calibration or rezero procedure on the occupant classification system using a scan tool
- 4 Measure resistance and voltage at the occupant classification sensor and compare to manufacturer specifications
- 5 Replace the occupant classification sensor mat or weight sensor if readings are out of spec
- 6 Replace the occupant classification control module if sensor and wiring test good
- 7 Clear codes and verify the passenger airbag status indicator operates correctly with and without weight on the seat

What most technicians overlook with B00A0

- A common mistake is replacing the occupant classification sensor when the real problem is a chafed wire under the seat that only loses contact when the seat is moved.
- The occupant classification system often requires a calibration or zero-point reset after any seat or sensor work, and skipping this step will immediately reset the code.
- Items stored under the passenger seat, such as heavy bags or aftermarket seat covers, can interfere with the weight sensor and trigger B00A0 without any failed component.
- On many vehicles, a weak or failing battery can cause the occupant classification module to set this code due to low voltage during startup, so always check battery health first.
- B00A0 can be set by a communication fault on the controller area network (CAN) bus between the occupant classification module and the airbag control module, not just by the sensor itself.

Can I keep driving with B00A0?

You can generally drive the vehicle, but the passenger airbag may be disabled, increasing injury risk for a front passenger in a crash. 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 airbag and occupant classification system capabilities
- Digital multimeter
- Trim removal tools
- Torque wrench
- Manufacturer service information for calibration procedures



Reading B00A0

- 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.
- A0** The exact fault within that area.

Often seen with

B00A1 Occupant Position System · **U0151** Lost Communication With Restraints Control Module

See it working

Watch the animated explainer [Manual Car Driving Simulator: Learn Clutch Control](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b00a0/>

