

GENERIC · BODY

B0095

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0095

Occupant Classification System Performance

B0095 indicates that the Occupant Classification System (OCS) has detected a performance fault, meaning the passenger seat weight sensor and its control module are not reporting a valid occupant status to the airbag control module. The computer has compared the OCS signal against expected values and found it out of range, erratic, or implausible, so it sets this code and typically disables the passenger airbag to avoid improper deployment.

SYSTEM

Body

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Intermediate

AREA

Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- Airbag warning light illuminated on the instrument cluster
- Passenger airbag status indicator shows 'off' or 'disabled' even with an adult in the seat
- Passenger airbag may not deploy in a collision, or may deploy when the seat is empty
- Seat belt reminder or chime may behave erratically for the passenger seat
- Often no symptoms besides the warning light, with the system otherwise functioning normally

Common causes, most likely first

- 1 Faulty occupant classification sensor mat or weight sensor in the passenger seat cushion
- 2 Damaged or pinched wiring harness under the passenger seat, often from seat movement or cargo
- 3 Loose or corroded connector at the occupant classification module or seat sensor
- 4 Failed occupant classification control module
- 5 Seat cushion deformation or foreign objects interfering with the sensor mat
- 6 Software calibration issue or unperformed zero-point reset after seat or module replacement
- 7 Water intrusion or spills damaging the sensor mat or connectors



How to diagnose and fix it

- 1 Inspect the passenger seat area for loose connectors, pinched wires, and debris under the seat
- 2 Check the occupant classification system wiring for continuity and shorts using a multimeter
- 3 Perform a scan tool reset or zero-point calibration of the occupant classification system
- 4 Verify sensor resistance values against manufacturer specifications with a multimeter
- 5 Replace the occupant classification sensor mat if resistance is out of spec or the mat is damaged
- 6 Replace the occupant classification control module if calibration fails and wiring is confirmed good
- 7 Clear codes and verify the passenger airbag status indicator operates correctly with and without weight on the seat

What most technicians overlook on B0095

- A common oversight is replacing the occupant classification module when the real fault is a chafed wire under the seat that only loses contact when the seat is moved.
- The code can be set by a simple spilled drink that corrodes the sensor mat connector, so always check for moisture damage before condemning expensive parts.
- Many vehicles require a zero-point calibration after any seat removal or battery disconnect, and skipping this step will immediately reset B0095.
- B0095 does not always mean the sensor mat is bad; a weak battery or charging system fault can cause the module to log implausible signals during cranking.
- Aftermarket seat covers or heavy objects left on the passenger seat can distort the weight reading and trigger this code intermittently.

Can I keep driving with B0095?

You can usually drive the vehicle, but the passenger airbag may be disabled, so avoid carrying a passenger in the front seat until the fault is repaired. Have the system diagnosed promptly because the airbag may not deploy correctly in a collision.

Tools that help

- OBD-II scan tool with airbag/OCS capability
- Digital multimeter
- Trim removal tools
- Torque wrench
- Manufacturer service information for calibration procedures



Reading B0095

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

Often seen with

B0090 Driver Side Pretensioner Stage 2 Deployment Control · **B0091** Passenger Side Pretensioner Stage 2 Deployment Control · **B0092** Side Impact Sensor Left Front Malfunction · **B0093** Side Impact Sensor Left Front Communication Lost · **B0094** Side Impact Sensor Right Front Malfunction

See it working

Watch the animated explainer [How an Automatic Transmission Works, Gear by Gear](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0095/>

