

GENERIC · BODY

B0094

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0094

Side Impact Sensor Right Front Malfunction

B0094 indicates that the right front side impact sensor, also called a side airbag sensor, is not communicating properly with the airbag control module or is reporting an internal fault. The computer has detected an abnormal signal or loss of communication from that specific sensor, which can prevent the side airbag and seatbelt pretensioner from deploying in a crash.

SYSTEM

Body

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- Airbag warning light illuminated on the dashboard
- Often no symptoms besides the warning light
- Side airbag system may be disabled, though this is not always obvious to the driver
- In some vehicles, a message on the driver information center stating 'Service Airbag' or 'Airbag System Failure'
- Intermittent warning light that comes and goes, especially over rough roads or after door slams

Common causes, most likely first

- 1 Faulty right front side impact sensor (internal failure or water intrusion)
- 2 Damaged or corroded wiring harness or connector at the sensor
- 3 Poor electrical connection at the sensor or airbag control module
- 4 Crash damage or previous repair that disturbed the sensor mounting or wiring
- 5 Water leaks into the cabin or door area that corrode the sensor or connector
- 6 Faulty airbag control module (less common)

How to diagnose and fix it

- 1 Inspect the right front side impact sensor and its connector for physical damage, corrosion, or loose pins
- 2 Check the sensor mounting for proper torque and condition, as a loose sensor can set a code
- 3 Perform a wiggle test on the wiring harness while watching live data for the sensor to identify intermittent faults
- 4 Measure resistance and voltage on the sensor circuit according to the manufacturer's service information
- 5 Replace the right front side impact sensor if it fails electrical tests or shows internal fault
- 6 Repair or replace damaged wiring or connectors as needed
- 7 Clear the code and verify the repair by cycling the ignition and confirming the light stays off



What most technicians overlook with B0094

- A weak or failing battery or charging system can cause low voltage codes that mimic sensor faults, so always check battery health first.
- The side impact sensor is often located under the front seat or in the B-pillar, where spilled drinks or water leaks can cause corrosion that is not visible until the connector is removed.
- After any airbag system repair, the airbag control module may need to be reinitialized or the code may not clear even with a new sensor.
- A code for one side impact sensor does not always mean the sensor is bad; the airbag control module itself can have an internal fault that affects only one channel.
- Never use a standard multimeter to probe airbag sensor connectors without following service precautions, as accidental deployment can occur.

Can I keep driving with B0094?

The vehicle is safe to drive in normal conditions, but the side airbag system may not deploy in a collision, so avoid aggressive driving and have the fault diagnosed promptly. Do not attempt to repair the airbag system yourself unless you are trained and have the proper tools.

Tools that help

- OBD-II scan tool with airbag system capability
- Digital multimeter
- Manufacturer service information for wiring diagrams and torque specs
- Trim removal tools
- Torque wrench

Reading B0094

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

Often seen with

B0090 Driver Side Pretensioner Stage 2 Deployment Control · **B0092** Side Impact Sensor Left Front Malfunction · **B0093** Side Impact Sensor Left Front Communication Lost · **B0095** Occupant Classification System Performance · **B0096** Side Impact Sensor Left Rear Malfunction



See it working

Watch the animated explainer [How a Car Clutch Works: Diaphragm Clutch Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b0094/>

