

GENERIC · BODY

B009C

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B009C

Left Side Restraints Sensor 6

B009C indicates that the restraint control module has detected a fault with the left-side impact sensor number 6, which is part of the supplemental restraint system (SRS) that triggers airbags and seatbelt pretensioners. The module monitors a specific sensor circuit and sets this code when the signal is out of range, intermittent, or missing, which can disable deployment of certain restraints on the left side of the vehicle.

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

Symptoms you may notice

- The airbag warning light on the instrument cluster stays illuminated after the bulb check.
- A message such as 'Service Airbag' or 'SRS Fault' appears on the driver information display.
- The restraint system may be disabled, meaning airbags and pretensioners on the left side will not deploy in a collision.
- In some vehicles, other warning chimes or reminders may sound continuously until the fault is repaired.
- Often no symptoms besides the warning light, with no change in how the vehicle drives or handles.

Common causes, most likely first

- A damaged or corroded left-side impact sensor (sensor 6) or its mounting point.
- A chafed, pinched, or broken wire in the sensor circuit, often near a door hinge, seat track, or body seam.
- A loose or corroded connector at the sensor or at the restraint control module.
- Water intrusion into the sensor connector or into the module, causing signal shorts or opens.
- A failed restraint control module that is unable to process the sensor signal correctly.
- Aftermarket accessories or previous body repairs that disturbed the sensor wiring or mounting.
- A low or unstable battery voltage that causes the module to log a false sensor fault.



How to diagnose and fix it

- 1 Verify battery voltage and charge the battery if it is low, then clear the code and recheck to rule out a voltage-induced false fault.
- 2 Inspect the left-side sensor 6 and its connector for physical damage, corrosion, or loose pins, and repair or replace as needed.
- 3 Trace the sensor wiring from the sensor to the restraint control module, looking for chafing, pinches, or breaks, and repair the harness.
- 4 Check the sensor mounting for tightness and correct orientation, since a loose sensor can set this code.
- 5 Perform a resistance and voltage drop test on the sensor circuit according to the manufacturer's procedure to confirm the sensor is faulty before replacement.
- 6 If the sensor and wiring test good, substitute a known-good sensor or module only after confirming power and ground at the module.
- 7 After repairs, clear the code and perform a full restraint system self-test to confirm the warning light stays off.

Left-side sensor faults that fool technicians

- A common misdiagnosis is replacing the restraint control module when the real problem is a chafed wire behind a door sill or seat track that only shorts when the door is opened or the seat is moved.
- Water leaks from a clogged sunroof drain or a failed door seal often corrode the left-side sensor connector, setting B009C without any visible damage until the trim is removed.
- The code can be set by a low battery or a jump-start procedure that momentarily drops module voltage, so always clear the code and retest before condemning parts.
- Some vehicles use a single sensor to serve multiple restraint functions, so a fault in sensor 6 may also affect side airbag and pretensioner deployment on the left side even if the code description sounds narrow.
- Aftermarket alarm or audio installers frequently tap into the same harness area, and a poorly spliced wire can introduce the intermittent signal that sets this code.

Can I keep driving with B009C?

Because the restraint system may be partially disabled, avoid driving if possible until the fault is repaired, and never ignore the warning light. If you must drive, proceed cautiously and avoid any situation that could trigger a collision, as the left-side airbags and pretensioners may not deploy.

Tools that help

- OBD-II scan tool with SRS capability
- Digital multimeter
- Wire repair kit with crimpers and heat shrink
- Trim removal tools
- Manufacturer service information for circuit diagrams and sensor locations



Reading B009C

- 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.
- 9C** The exact fault within that area.

Often seen with

B009B Left Side Restraints Sensor 5 · **B009D** Right Side Restraints Sensor 4 · **B009E** Right Side Restraints Sensor 5 · **B009F** Right Side Restraints Sensor 6 · **B00A0** Occupant Classification System

See it working

Watch the animated explainer [How Airbags Work: A 50 km/h Crash in Slow Motion](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/b009c/>

