

GENERIC · BODY

B007C

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B007C

Second Row Right Seat Belt Pretensioner B Deployment Control

B007C indicates that the restraint control module has detected a fault in the deployment circuit for the second row right seat belt pretensioner B, which is the pyrotechnic device that tightens the belt during a collision. The module monitors the circuit's resistance and continuity and sets this code when the signal falls outside the expected range, often due to an open or shorted connection.

SYSTEM

Body

CODE TYPE

Generic (all makes)

SEVERITY

High

FIX DIFFICULTY

Professional

AREA

Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- The supplemental restraint system (SRS) warning light stays illuminated on the dashboard.
- A chime or message may appear indicating a restraint system fault.
- The seat belt pretensioner for the second row right seat may not deploy in a crash.
- Often no symptoms besides the warning light, with the belt operating normally otherwise.
- In some vehicles, other restraint functions may be disabled or altered.

Common causes, most likely first

- 1 Damaged or disconnected wiring harness at the seat belt pretensioner connector.
- 2 Corroded or loose electrical terminals at the pretensioner or control module.
- 3 Open circuit in the pretensioner squib due to age or moisture intrusion.
- 4 Short circuit to ground or power in the deployment circuit.
- 5 Faulty seat belt pretensioner assembly.
- 6 Internal failure in the restraint control module (less common).
- 7 Aftermarket accessories or previous repairs interfering with the circuit.



How to diagnose and fix it

- 1 Verify the code with a scan tool and check for any related SRS codes.
- 2 Inspect the seat belt pretensioner connector and wiring for damage, corrosion, or loose pins.
- 3 Disconnect the battery and wait the recommended time, then measure the resistance of the pretensioner circuit with a digital multimeter.
- 4 Check for short circuits to ground or power on the wiring between the module and pretensioner.
- 5 If the circuit tests good, substitute a known-good pretensioner to see if the code clears.
- 6 If the pretensioner is faulty, replace it and clear the codes.
- 7 If the wiring and pretensioner are good, diagnose the restraint control module and repair or replace as needed.

Before you replace the pretensioner

- A common mistake is replacing the pretensioner when the real problem is a damaged connector or chafed wire under the seat, so always inspect the harness first.
- The code can be set by a momentary loss of connection caused by a passenger moving the seat or items sliding under it, so check for intermittent faults.
- After any repair, the SRS system requires clearing codes and sometimes a relearn procedure, and the light will stay on until the fault is corrected and codes are cleared.
- Never use a standard ohmmeter on a live airbag circuit; always disconnect the battery and follow the manufacturer's safety procedures to avoid accidental deployment.
- This code does not always mean the pretensioner is defective; it can be triggered by a low battery or charging system issue that causes a voltage drop during cranking.

Can I keep driving with B007C?

It is not safe to continue driving with an active SRS fault because the affected pretensioner may not deploy in a collision, reducing occupant protection. Have the vehicle diagnosed and repaired by a qualified technician as soon as possible, and avoid any impact to the seat or wiring in the meantime.

Tools that help

- OBD-II scan tool with SRS capabilities
- Digital multimeter
- Battery disconnect tool
- Trim removal tools
- Service manual for the specific vehicle



Reading B007C

- 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.
- 7C** The exact fault within that area.

Often seen with

B007B Second Row Left Seat Belt Pretensioner B Deployment Control · **B007D** Second Row Center Seat Belt Pretensioner B Deployment Control · **B007E** Driver Seat Belt Pretensioner C Deployment Control · **B007F** Passenger Seat Belt Pretensioner C Deployment Control · **B0080** Driver Seat Belt Load Limiter Deployment Control

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/b007c/>

