

GENERIC · BODY

B007B

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B007B

Second Row Left Seat Belt Pretensioner B Deployment Control

B007B indicates that the restraint control module has detected a fault in the deployment circuit for the second-row left seat belt pretensioner, which is the device that tightens the belt during a crash. The module monitors the circuit's resistance and continuity and sets this code when the readings fall outside the expected range or when a deployment command cannot be verified.

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 airbag or supplemental restraint system warning light stays illuminated on the dashboard.
- The seat belt reminder chime may sound continuously or intermittently even when the belt is buckled.
- The pretensioner may not activate during a collision, increasing injury risk for the second-row left occupant.
- In some vehicles, other restraint functions such as seat belt reminders for other positions may be disabled.
- Often no symptoms besides the warning light, with the vehicle driving normally.

Common causes, most likely first

- 1 A damaged or disconnected electrical connector at the second-row left seat belt pretensioner.
- 2 Corroded or frayed wiring in the pretensioner circuit, often due to moisture or seat movement.
- 3 An open or shorted pretensioner squib (the small explosive charge that tensions the belt).
- 4 A faulty restraint control module that is unable to communicate with or drive the pretensioner circuit.
- 5 A poor ground connection for the pretensioner or restraint module.
- 6 Aftermarket accessories or previous repairs that disturbed the pretensioner wiring.



How to diagnose and fix it

- 1 Verify the code with a scan tool that can read restraint system codes and check for any related codes in other modules.
- 2 Inspect the pretensioner connector and wiring for damage, corrosion, or loose pins, and repair as needed.
- 3 Measure the resistance of the pretensioner squib with a digital multimeter and compare it to the manufacturer's specification.
- 4 Check the continuity and insulation of the wiring between the restraint control module and the pretensioner.
- 5 Test the restraint control module's output to the pretensioner if the wiring and squib test good.
- 6 Replace the faulty pretensioner or restraint control module as required, following the manufacturer's procedures.
- 7 Clear the codes and perform a system verification to ensure the warning light goes out and the code does not return.

Why the pretensioner code often misleads

- A common mistake is replacing the pretensioner when the real fault is a corroded connector under the second-row seat, which is exposed to spills and moisture.
- The code can be set by a low battery or a voltage spike during jump-starting, so always check the battery and charging system before condemning parts.
- Some vehicles require the restraint control module to be configured or programmed after replacement, and skipping this step will leave the code stored.
- The pretensioner circuit is monitored only when the ignition is on, so an intermittent fault may not appear during a quick test drive.
- After any airbag or pretensioner deployment, the module and all affected components must be replaced, and this code may be a remnant of a previous deployment that was not properly repaired.

Can I keep driving with B007B?

Because the pretensioner may not function in a crash, have the fault diagnosed and repaired promptly; avoid heavy loads or passengers in the second-row left seat until the system is fixed, and do not attempt to repair the pretensioner circuit yourself.

Tools that help

- Scan tool capable of reading restraint system codes
- Digital multimeter
- Wiring diagram for the specific vehicle
- Trim removal tools
- Torque wrench



Reading B007B

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

Often seen with

B007A Passenger Seat Belt Pretensioner B Deployment Control · **B007C** Second Row Right 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

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/b007b/>

