

GENERIC · BODY

B007D

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B007D

Second Row Center Seat Belt Pretensioner B Deployment Control

B007D indicates that the restraint control module has detected a fault in the deployment circuit for the second row center seat belt pretensioner on the 'B' side, which is typically the passenger side or the second pretensioner in that seating position. The module monitors the circuit's resistance and continuity and sets this code when the measured values fall outside the expected range, disabling that pretensioner to prevent an unexpected deployment.

SYSTEM

Body

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Airbags, seats, doors, lights and comfort systems

Symptoms you may notice

- The airbag or supplemental restraint system warning light is illuminated on the dashboard.
- A chime or message may appear instructing you to service the restraint system immediately.
- The second row center seat belt pretensioner will not deploy in a collision, reducing occupant protection.
- Often no symptoms besides the warning light, with no change in how the vehicle drives or handles.
- In some vehicles, other restraint functions may be disabled or the system may enter a fail-safe mode.

Common causes, most likely first

- 1 A damaged or disconnected electrical connector at the second row center seat belt pretensioner.
- 2 Corroded or loose terminals in the pretensioner circuit, often from moisture exposure or spilled liquids.
- 3 A broken or chafed wire in the harness between the restraint control module and the pretensioner.
- 4 An open or shorted squib (the small explosive charge that tensions the belt) inside the pretensioner assembly.
- 5 A faulty restraint control module, though this is less common and should be diagnosed last.
- 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 body codes and record any freeze-frame data.
- 2 Visually inspect the second row center seat belt pretensioner connector for damage, corrosion, or loose pins.
- 3 Disconnect the battery and wait the recommended time, then check the pretensioner squib resistance with a digital multimeter and compare to specification.
- 4 Inspect the wiring harness along its route for chafing, pinches, or signs of rodent damage, repairing as needed.
- 5 If the squib resistance is out of range, replace the pretensioner assembly following the manufacturer's procedure.
- 6 Clear the code and perform a restraint system verification test to confirm the repair.
- 7 If the code persists after all circuit checks, diagnose or replace the restraint control module as a last resort.

What most technicians overlook on B007D

- A common mistake is replacing the pretensioner before checking the connector under the seat, where spilled drinks or cargo can cause corrosion that mimics a failed squib.
- The code can be set by a poor connection at the restraint control module itself, so always check both ends of the circuit before condemning parts.
- After any repair, the restraint system often requires a scan-tool reset or initialization procedure that many DIYers skip, leaving the light on.
- B007D does not always mean the pretensioner is defective; a shorted wire rubbing against the seat frame can set the same code.
- Vehicles with second-row center seats that fold or slide are prone to harness damage at flex points, which is a frequent hidden cause.

Can I keep driving with B007D?

You can usually drive the vehicle, but the second row center pretensioner will not function in a crash, so avoid carrying passengers in that seat until repaired. Have the system diagnosed promptly, and do not attempt to measure resistance on the squib circuit without first disconnecting the battery and waiting the specified time to avoid accidental deployment.

Tools that help

- OBD-II scan tool with body code and restraint system capability
- Digital multimeter with low-ohm capability
- Trim removal tools
- Torque wrench
- Battery disconnect tool
- Manufacturer service information for restraint system procedures



Reading B007D

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

Often seen with

B007C Second Row Right 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 · **B0081** Front Passenger Belt Switch Circuit

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/b007d/>

