

GENERIC · BODY

B0056

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0056

Right Curtain Deployment Loop Open

B0056 indicates that the right side curtain airbag deployment loop is open, meaning the inflator circuit has a break in continuity. The airbag control module monitors this loop and sets the code when resistance is higher than expected, so the curtain airbag may not deploy in a side impact or rollover.

SYSTEM

Body

CODE TYPE

Generic (all makes)

SEVERITY

High

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
- Right curtain airbag may not deploy in a side impact or rollover
- Passenger airbag system may be disabled depending on vehicle design
- Intermittent warning light if the open circuit is caused by a loose connector

Common causes, most likely first

- 1 Disconnected or loose electrical connector at the right curtain airbag module
- 2 Damaged wiring harness in the roof pillar or headliner area from previous repairs or body work
- 3 Corroded or bent terminals inside the curtain airbag connector
- 4 Open squib (inflator) inside the right curtain airbag assembly
- 5 Faulty clockspring or wiring junction affecting the side airbag circuit (less common)
- 6 Water intrusion or rodent damage to the roof harness
- 7 Internal fault in the airbag control module (rare)



How to diagnose and fix it

- 1 Inspect and reseal the connector at the right curtain airbag module, checking for corrosion or bent pins
- 2 Visually inspect the wiring harness along the right roof rail and pillar for damage, chafing, or rodent chew marks
- 3 Disconnect the battery and wait the recommended time, then measure resistance across the curtain airbag squib to check for an open inflator
- 4 Check continuity of the wiring between the airbag module and the control module to isolate whether the open is in the harness or the airbag
- 5 Repair or replace damaged wiring and connectors as needed, then clear the code and verify it does not return
- 6 If the squib is open, replace the right curtain airbag assembly following manufacturer procedures
- 7 If all external circuits test good, diagnose or replace the airbag control module as a last resort

What most technicians miss on B0056

- A common cause is a connector that was left unplugged or partially seated after headliner or pillar trim work, so always check recent repair history before condemning the airbag.
- The code does not always mean the airbag itself is faulty; an open in the wiring harness from a pinched wire or corrosion is just as likely and far cheaper to fix.
- Measuring resistance directly at the airbag squib requires strict safety precautions and the battery disconnected, because an accidental deployment can cause serious injury.
- Some vehicles set a companion code for the same loop, such as a high-resistance or short-to-ground code, which can help confirm whether the fault is intermittent or hard.
- After any repair, the airbag module may need a scan-tool reset or calibration before the warning light will extinguish, even if the circuit is now good.

Can I keep driving with B0056?

The vehicle is safe to drive mechanically, but the right curtain airbag will not deploy in a crash, so avoid aggressive driving and have the fault repaired promptly. Do not attempt to measure or repair the airbag circuit without proper training and battery disconnect procedures.

Tools that help

- OBD-II scan tool with airbag system capability
- Digital multimeter with low-ohm resistance measurement
- Airbag simulator or load tool
- Trim removal tools
- Manufacturer service information for airbag circuit testing



Reading B0056

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

Often seen with

B0051 Driver Frontal Deployment Control Open · **B0052** Passenger Seat Belt Sensor · **B0055** Second Row Right Seat Belt Sensor · **B0057** Right Curtain Deployment Loop Short to Ground · **B0058** Third Row Right Seat Belt Sensor

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/b0056/>

