

GENERIC · BODY

B0024

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

B0024

Right Side Deployment Control

B0024 indicates that the right side deployment control circuit has a fault, meaning the airbag control module has detected an abnormal condition in the wiring or component that triggers the right-side airbag or pretensioner. The module monitors circuit resistance and voltage and sets this code when the signal falls outside the expected range, often due to an open circuit, short to ground, or short to power.

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 instrument cluster
- Often no symptoms besides the warning light
- Right-side airbag may be disabled and will not deploy in a collision
- Right-side seat belt pretensioner may not function
- In some vehicles, a chime or message reminding you to service the airbag system

Common causes, most likely first

- 1 Damaged or disconnected wiring harness under the right front seat or along the right side of the vehicle
- 2 Faulty right side airbag module or pretensioner connector
- 3 Corroded or loose electrical connector at the right side deployment component
- 4 Failed right side impact sensor or its wiring
- 5 Defective airbag control module (less common)
- 6 Aftermarket accessories or spilled liquids affecting the circuit

How to diagnose and fix it

- 1 Inspect the right side wiring harness and connectors for damage, corrosion, or loose pins
- 2 Check for technical service bulletins (TSBs) or recalls related to the airbag system for your vehicle
- 3 Disconnect the battery and wait for the system to discharge, then measure resistance of the right side deployment circuit with a digital multimeter (DMM)
- 4 Compare the measured resistance to the manufacturer's specification to identify an open or short
- 5 Inspect and test the right side impact sensor and its wiring if equipped
- 6 If the circuit tests good, substitute a known-good airbag control module only after confirming power and ground to the module
- 7 Clear the code and verify the repair by cycling the ignition and confirming the light stays off



Before you replace the airbag module

- A common cause is a pinched or chafed wire under the right front seat from seat movement or cargo, which is often overlooked during visual inspection.
- The code can be set by a low battery or charging system issue that causes voltage spikes, so always check battery health and connections first.
- Aftermarket seat covers or accessories that interfere with the right side seat connector can trigger this code without any component failure.
- The airbag control module rarely fails; misdiagnosis often leads to unnecessary replacement when the real issue is a simple connector or wire repair.
- Always follow the manufacturer's procedure for disabling the supplemental restraint system (SRS) before working on any airbag circuit to avoid accidental deployment.

Can I keep driving with B0024?

It is not safe to drive with an active airbag warning light because the right side airbag and pretensioner may not deploy in a crash. Have the vehicle diagnosed and repaired by a qualified technician as soon as possible, and avoid carrying passengers on the right side until fixed.

Tools that help

- Digital multimeter (DMM)
- OBD-II scan tool with airbag code capability
- Manufacturer service information for wiring diagrams and resistance specifications
- Battery disconnect tool or procedure
- Trim removal tools for accessing connectors

Reading B0024

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

Often seen with

B0020 Passenger Frontal Stage 1 Deployment Control Circuit · **B0021** Left Side Deployment Stage 1 Control · **B0022** Left Side Deployment Stage 1 Loop Open · **B0023** Left Side Deployment Stage 1 Loop Short to Ground · **B0025** Left Side Deployment Stage 2 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/b0024/>

