

GENERIC · NETWORK

U0534

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0534

Invalid Data Received From Side Obstacle Detection Control Module B

U0534 means the vehicle's main computer network has received data from the side obstacle detection control module B that it considers invalid or corrupted. The module is responsible for monitoring blind spots on one side of the vehicle, and the code is set when the data it broadcasts does not match the expected format or values.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Medium	Professional	Network communication

Symptoms you may notice

- Illumination of the blind spot monitoring warning light or a message on the driver information center.
- The side obstacle detection system may be completely inoperative on one or both sides.
- False alerts or intermittent warnings from the blind spot system even when no vehicle is present.
- Often no symptoms besides the warning light, with the system otherwise appearing to function normally.
- Related driver assistance features such as rear cross-traffic alert may also be disabled.
- In some cases, a stored code may be the only indication, with no driver-visible symptoms at all.

Common causes, most likely first

- 1 Corroded, damaged, or loose wiring and connectors at the side obstacle detection module B or along its communication bus.
- 2 A failing side obstacle detection control module B itself, often due to water intrusion or internal electronic failure.
- 3 Low battery voltage or a weak charging system causing the module to send corrupted data.
- 4 A software or calibration issue in the module that requires a reflash or update.
- 5 Faulty grounds for the module or the network it communicates on, leading to voltage drops that distort data.
- 6 Damage to the communication bus wiring from road debris, collision repair, or rodent activity.



How to diagnose and fix it

- 1 Perform a full scan of all modules to confirm U0534 is current and check for related communication codes in other systems.
- 2 Inspect the side obstacle detection module B and its connectors for corrosion, water intrusion, or loose pins, and clean or repair as needed.
- 3 Test the battery and charging system to ensure stable voltage, as low voltage can cause invalid data transmission.
- 4 Check the communication bus wiring for continuity, shorts, and proper termination, repairing any damaged sections.
- 5 If wiring and power are good, substitute a known-good module of the same part number to see if the code clears and stays away.
- 6 After repair, clear codes and perform a road test to verify the blind spot system operates correctly and the code does not return.
- 7 If the module is replaced, follow the manufacturer's procedure for configuration or calibration to ensure proper operation.

What most technicians overlook with U0534

- A weak or failing battery is a surprisingly common cause of invalid data codes like U0534, because modules may send corrupted messages when supply voltage dips during cranking or under load.
- The side obstacle detection module B is often located behind the rear bumper, where it is exposed to road spray and debris, making water intrusion a frequent culprit that is easily missed during a quick visual inspection.
- U0534 can be set by a module that is otherwise functioning perfectly but has a corrupted software calibration, so a reflash or update may resolve the issue without any hardware replacement.
- Technicians sometimes replace the module only to find the code returns because the real problem is a chafed wire in the harness that only shorts intermittently when the vehicle is driven over bumps.
- This code does not always mean the module has failed; it can also be triggered by a communication bus fault that affects multiple modules, so checking for other U-codes is essential before condemning the module.

Can I keep driving with U0534?

You can generally continue driving with U0534 because the vehicle remains controllable, but the blind spot monitoring system may not function, so you should rely on manual mirror checks and shoulder checks when changing lanes. Avoid long trips or heavy electrical loads until the fault is diagnosed, and have the system inspected promptly to prevent further communication issues.



Tools that help

- OBD-II scan tool with manufacturer-specific software for module communication and code reading
- Digital multimeter for voltage, resistance, and continuity testing
- Battery tester and charging system analyzer
- Wiring diagram and connector pinout for the side obstacle detection system
- Socket set and trim removal tools for accessing the module
- Manufacturer diagnostic software for module configuration or calibration if required

Reading U0534

U	Network: communication between the vehicle's control modules.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
5	Network communication.
34	The exact fault within that area.

Often seen with

U0122 Lost Communication With Vehicle Dynamics Control Module · **U0140** Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module · **U0533** Invalid Data Received From Side Obstacle Detection Control M · **U0535** Invalid Data Received From Convenience Recall Module

See it working

Watch the animated explainer [How a Manual Transmission Works: Four-Speed Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0534/>

