

GENERIC · NETWORK

U0544

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0544

Invalid Data Received From Parking Assist Control Module B

U0544 means the vehicle's main computers received invalid or missing data from Parking Assist Control Module B, which is one of the modules that runs the parking sensors and related driver aids. The computer detected a communication problem on the controller area network (CAN) bus, not necessarily a failed sensor, so the fault could be wiring, power, or the module itself.

SYSTEM

Network

CODE TYPE

Generic (all makes)

SEVERITY

Medium

FIX DIFFICULTY

Professional

AREA

Network communication

Symptoms you may notice

- Parking assist warning light or message on the dashboard
- Parking sensors or automatic parking feature stop working
- Chimes or beeps from the parking assist system become erratic or silent
- Often no symptoms besides the warning light
- Other driver assistance features may be disabled as a precaution
- Intermittent warning that comes and goes with bumps or weather changes

Common causes, most likely first

- 1 Loose, corroded, or damaged wiring at Parking Assist Control Module B connector
- 2 Failed Parking Assist Control Module B
- 3 Low or unstable battery voltage affecting module communication
- 4 CAN bus wiring fault between the module and the rest of the network
- 5 Water intrusion or corrosion in the module or connector
- 6 Aftermarket accessories improperly tapped into the CAN bus
- 7 Software or configuration mismatch after battery replacement or module swap



How to diagnose and fix it

- 1 Scan all modules for related communication codes and record freeze-frame data
- 2 Inspect the battery, charging system, and ground connections for stable voltage
- 3 Locate Parking Assist Control Module B and check its connector for corrosion or loose pins
- 4 Perform a wiggle test on the module harness while watching live data for dropouts
- 5 Check CAN bus resistance and continuity according to the service information
- 6 If wiring and power are good, substitute a known-good module or reprogram the existing one
- 7 Clear codes and verify the repair with a road test and a full scan

What U0544 really tells you about the module

- U0544 is a communication code, so the parking sensors themselves are often fine and the fault lies in the module's power, ground, or network connection.
- A weak battery or poor ground can set this code without any module failure, especially after a jump start or long storage.
- Water leaks into the rear quarter panel or bumper area commonly corrode Parking Assist Control Module B connectors on many vehicles.
- Aftermarket dash cams or alarm systems tapped into the CAN bus can corrupt data and trigger U0544 along with other U-codes.
- The code may reappear after clearing if the underlying network fault is intermittent, so a wiggle test and live data review are essential.

Can I keep driving with U0544?

You can usually drive the vehicle, but parking assist and related driver aids may be disabled, so rely on your own mirrors and judgment when parking. Avoid ignoring repeated warnings because an intermittent network fault can spread to other modules and affect safety systems.

Tools that help

- OBD-II scan tool with CAN bus and live data capability
- Digital multimeter
- Wiring diagram and service information for the vehicle
- Trim removal tools
- Contact cleaner and dielectric grease



Reading U0544

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

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0121** Lost Communication With Anti-Lock Brake System (ABS) Control · **U0140** Lost Communication With Instrument Panel Cluster · **U0543** Invalid Data Received From Headlamp Control Module B · **U0545** Invalid Data Received From Running Board Control Module A

See it working

Watch the animated explainer [How the PCV System Works: Crankcase Ventilation](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0544/>

