

GENERIC · NETWORK

U0149

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0149

Lost Communication With Gateway 'D'

U0149 indicates that a control module on the vehicle's network has lost communication with a gateway module designated 'D', which is a central routing device that relays messages between different communication buses. The detecting module has stopped receiving the periodic status messages it expects from that gateway, so it sets this code and may disable features that depend on data passing through it.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Medium	Professional	Lost communication with a control module

Symptoms you may notice

- Illumination of the malfunction indicator lamp (MIL) or a message on the driver information display
- Multiple unrelated warning lights appearing at once because several modules share the same gateway path
- Intermittent or total failure of features such as the infotainment screen, climate controls, or driver-assist systems
- The vehicle may start and run normally with no noticeable change in drivability
- A no-start condition if the gateway is part of the immobilizer or powertrain communication path
- Stored codes in several modules all pointing to lost communication with the same gateway

Common causes, most likely first

- 1 Loose, corroded, or damaged connector pins at the gateway module or at a splice in the network wiring
- 2 Open or shorted controller area network (CAN) bus wiring between the gateway and the detecting module
- 3 Failed gateway module, often due to internal circuit board damage or water intrusion
- 4 Low battery voltage or a weak charging system causing modules to drop offline intermittently
- 5 A different module on the same bus holding the network down and preventing gateway messages from getting through
- 6 Aftermarket accessories wired into the network or power circuits that disturb communication
- 7 Software or configuration mismatch after a module replacement that was not properly programmed



How to diagnose and fix it

- 1 Scan all modules and record every stored code, then clear codes and verify whether U0149 returns immediately or only after a drive cycle
- 2 Inspect the gateway module connectors and nearby wiring for corrosion, pushed-out pins, or chafed insulation
- 3 Measure battery voltage at rest and during cranking, and test the charging system to rule out low-voltage dropouts
- 4 Check network continuity and resistance between the gateway and the detecting module according to the manufacturer's wiring diagram
- 5 Disconnect suspected modules one at a time to see whether communication to the gateway restores, isolating a module that is holding the bus down
- 6 Verify the gateway module has power, ground, and correct software configuration, then replace or reprogram it only after wiring and power checks pass
- 7 After repair, clear codes and complete several drive cycles to confirm the gateway communication remains stable

Gateway faults that mimic module failures

- A gateway module is often the first component replaced when the real fault is a single chafed wire in a door hinge or trunk harness that shorts the bus intermittently.
- Because the gateway routes messages between buses, one failed gateway can set communication codes in half a dozen modules, which leads technicians to chase multiple phantom failures at once.
- Low battery voltage during a cold start can make the gateway drop offline long enough to set U0149 without leaving any permanent damage, so always check the battery before condemning parts.
- Aftermarket remote starters, alarms, and dash cameras tapped into network wiring are a frequent and easily overlooked cause of intermittent gateway communication loss.
- U0149 does not always mean the gateway itself has failed; a module on another bus can flood the network and prevent the gateway from delivering its expected status messages.

Can I keep driving with U0149?

The vehicle may remain drivable if only comfort or infotainment features are affected, but loss of gateway communication can disable safety systems or cause a no-start condition without warning. Avoid long trips and have the network inspected promptly, especially if multiple warning lights are present.



Tools that help

- OBD-II scan tool capable of reading all modules and live network data
- Digital multimeter with resistance and voltage measurement
- Manufacturer-specific wiring diagrams for the gateway and network circuits
- CAN bus breakout box or network test adapter
- Battery load tester and charging system tester
- Terminal pick and contact cleaner for connector inspection

Reading U0149

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

Often seen with

U0001 Loss of Bus Communication · **U0100** Lost Communication With ECM/PCM A · **U0141** Lost Communication With Body Control Module 'A' · **U0148** Lost Communication With Gateway 'C' · **U0150** Lost Communication With Gateway 'E'

See it working

Watch the animated explainer [Manual Car Driving Simulator: Learn Clutch Control](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0149/>

