



U008B

Vehicle Communication Bus G (+) Open

U008B is a generic network communication code indicating that a control module has detected an open circuit on the positive side of a vehicle communication bus, often a Controller Area Network (CAN) data line. The computer is reporting that the bus wire it expects to carry a signal is electrically disconnected or broken, preventing normal data exchange between modules.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Medium	Professional	Network wiring and bus faults

Symptoms you may notice

- Illumination of the malfunction indicator lamp (MIL) or a dedicated communication fault light
- Multiple warning lights on the dashboard, such as ABS, traction control, or airbag, because several modules lose communication
- Intermittent or complete failure of systems that rely on shared bus data, including instrument cluster, transmission shifting, or stability control
- Engine may start and run but enter a default or limp mode with reduced performance
- No symptoms besides the warning light if the open circuit affects a non-critical segment of the bus
- Random electrical gremlins such as flickering lights or inoperative accessories that share the same network

Common causes, most likely first

- 1 Broken or chafed wire in the positive bus circuit, often at a flex point or near a connector
- 2 Corroded or backed-out terminal in a bus connector, creating an open circuit
- 3 Failed splice or junction point within the wiring harness where bus segments meet
- 4 Damaged control module connector or internal module fault that opens the bus positive line
- 5 Aftermarket accessory installation that cut or disturbed a bus wire
- 6 Rodent damage or physical impact that severed the bus conductor



How to diagnose and fix it

- 1 Connect a scan tool and record all stored codes and live data to confirm U008B and identify which modules are offline
- 2 Obtain the vehicle-specific wiring diagram and locate the bus positive circuit, including all connectors and splices
- 3 Perform a visual inspection of the harness for chafing, corrosion, rodent damage, or loose connectors along the affected bus segment
- 4 Use a digital multimeter to check continuity and resistance on the bus positive wire from end to end, isolating the open section
- 5 Disconnect modules one at a time and recheck bus continuity to determine whether a module or the wiring is causing the open
- 6 Repair the open circuit by soldering and sealing the wire or replacing the affected harness section, then clear codes and verify communication
- 7 If the open is internal to a module, replace or reprogram that module according to manufacturer procedures and retest the network

What the bus open really means

- U008B often appears after a battery replacement or jump-start when a module fails to wake up and reports the bus as open, so always check battery voltage and module power feeds first.
- A single open on the positive bus line can take down multiple modules, but the code may be stored only in the module that detected the loss, leading technicians to replace the wrong component.
- Aftermarket alarms, remote starters, or dash cams tapped into bus wiring are a frequent cause of an open circuit that owners overlook when diagnosing U008B.
- The code does not always mean the bus wire itself is broken; a failed module that internally disconnects the bus positive pin can set the same code, so module isolation testing is essential.
- On some vehicles, the bus positive circuit passes through a connector behind the kick panel or under the seat where corrosion from water leaks creates an intermittent open that only appears when the harness is flexed.

Can I keep driving with U008B?

If the vehicle starts and runs without obvious loss of critical systems, you can drive it cautiously to a repair shop, but avoid long trips and be prepared for sudden loss of dashboard or safety systems. If multiple warning lights are on or the engine runs poorly, stop driving and have the vehicle towed to prevent unsafe operation.



Tools that help

- OBD-II scan tool with live data and network communication capability
- Digital multimeter with continuity and resistance functions
- Vehicle-specific wiring diagram or service information
- Wire repair kit including soldering iron, heat shrink, and proper gauge wire
- Terminal pick and connector release tools

Reading U008B

- U** Network: communication between the vehicle's control modules.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 0** Network wiring and bus faults.
- 8B** The exact fault within that area.

Often seen with

U0001 Loss of Bus Communication · **U008A** Vehicle Communication Bus G Performance · **U008C** Vehicle Communication Bus G (+) Low · **U0100** Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster

See it working

Watch the animated explainer [How Coil-on-Plug Ignition Works: Coil and Spark Plug](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u008b/>

