

GENERIC · NETWORK

U0089

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0089

Vehicle Communication Bus G

U0089 is a generic network communication code indicating that a module on the vehicle's communication bus G has stopped reporting or is sending invalid data. The controlling module (often the gateway or body control module) sets this code when it cannot establish or maintain a reliable data link with one or more modules assigned to that bus segment.

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

- Illumination of the malfunction indicator lamp (MIL) or a message on the driver information center
- One or more electronic features (such as power windows, climate control, or instrument cluster displays) operating intermittently or not at all
- The vehicle may start and run normally, with no noticeable drivability issue
- Multiple unrelated warning lights appearing simultaneously on the dashboard
- Inability to communicate with certain modules using a scan tool
- Often no symptoms besides the warning light, especially if the affected module is non-critical

Common causes, most likely first

- 1 Damaged or chafed wiring in the bus G communication circuit, often near a hinge, grommet, or high-vibration area
- 2 Corroded or loose electrical connector at a module on bus G or at the gateway module
- 3 Failed module on bus G that is pulling the bus voltage down or not transmitting
- 4 Poor ground connection for a module on bus G, causing unreliable communication
- 5 Internal fault in the gateway or body control module that manages bus G
- 6 Aftermarket accessory improperly tapped into the bus wiring, introducing interference
- 7 Low battery voltage or a failing charging system causing modules to drop offline intermittently



How to diagnose and fix it

- 1 Verify battery voltage and charging system output; low voltage is a common root cause of communication codes
- 2 Use a scan tool to read all modules and record which modules on bus G are not responding or reporting faults
- 3 Inspect the bus G wiring harness and connectors for chafing, corrosion, or loose pins, especially at known flex points
- 4 Perform a voltage and resistance check on the bus G communication lines according to the manufacturer's network topology
- 5 Disconnect suspect modules one at a time to see if communication is restored, isolating a failed module
- 6 Check and clean the ground connections for all modules on bus G
- 7 If wiring and grounds are good, reprogram or replace the gateway module or the non-communicating module as diagnosed

What most technicians miss on bus G faults

- A module that is completely dead can still set U0089 because the gateway logs the missing heartbeat, so always check power and ground at the module before condemning the bus wiring.
- Aftermarket alarms, remote starters, or dash cams tapped into the bus can corrupt communication and set U0089 without any factory component being faulty.
- The code often appears alongside other U-codes for different modules, and clearing it without repairing the underlying bus fault will only make it return after a few drive cycles.
- Water intrusion into a connector or module on bus G is a frequent hidden cause, especially in vehicles with leaks around the windshield or rear hatch.
- A failed module on bus G can pull the entire bus down, causing U0089 and disabling unrelated features; disconnecting modules one at a time is the fastest way to isolate it.

Can I keep driving with U0089?

The vehicle is generally safe to drive if it starts, runs, and has functioning brakes and lights, but avoid relying on any electronic features that have stopped working. Have the fault diagnosed promptly, because a failing bus can disable safety systems without warning.

Tools that help

- OBD-II scan tool with enhanced manufacturer-specific software
- Digital multimeter
- Wiring diagram and network topology chart for the vehicle
- Breakout box or back-probe kit
- Contact cleaner and dielectric grease



Reading U0089

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

Often seen with

U0001 Loss of Bus Communication · **U0073** CAN Bus A Communication Bus Off · **U0100** Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module

See it working

Watch the animated explainer [How a MAF Sensor Works: Hot-Wire Airflow Explained](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0089/>

