

GENERIC · NETWORK

U007E

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U007E

Control Module Communication Bus L Off

U007E is a generic network communication code indicating that the control module responsible for monitoring the vehicle's communication bus has detected a complete loss of signal on that bus, designated 'L'. The module that set the code can no longer exchange data with other modules on that network segment, which may disable multiple electronic systems at once.

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

Symptoms you may notice

- Multiple warning lights illuminated simultaneously, including ABS, airbag, traction control, and check engine lights
 - The engine may crank but fail to start, or start and run poorly, because the powertrain control module cannot coordinate with other modules
- Inoperative accessories such as the radio, climate control, power windows, or instrument cluster
- A no-start condition where the ignition is on but the starter does not engage or the security system prevents starting
- Erratic gauge behavior, with the instrument cluster flickering or showing dashes instead of readings
- Often no symptoms besides the warning light if the failed bus is a secondary network that does not affect drivability

Common causes, most likely first

- Open or shorted wiring on the bus L circuit, often from chafing, corrosion, or a broken connector pin
- A failed control module that has lost internal power or ground, pulling the entire bus down
- Blown fuse or faulty relay supplying power to one or more modules on the bus
- Corroded or loose ground connection shared by modules on the network
- Water intrusion into a connector or module housing causing corrosion and signal loss
- Aftermarket accessory improperly tapped into the bus wiring, creating a short or excessive load
- Failed transceiver inside one module that disrupts communication for the entire bus



How to diagnose and fix it

- 1 Connect a scan tool and record all stored codes from every module to identify which modules are offline and which bus is affected
- 2 Inspect the wiring harness and connectors at each module on bus L for corrosion, chafing, or loose pins, starting at the module that set the code
- 3 Check the fuse and relay that supply power to the modules on the affected bus, and verify battery voltage and ground integrity at each module
- 4 Measure resistance on the bus L circuit with the battery disconnected to check for opens or shorts, comparing to the manufacturer's specification
- 5 Disconnect modules one at a time to see if communication returns, isolating a failed module that is pulling the bus down
- 6 Repair or replace damaged wiring, connectors, or the faulty module, then clear codes and verify communication with all modules
- 7 Perform a road test and recheck for stored codes to confirm the repair is complete and no intermittent fault remains

What a dead bus L really tells you

- A single failed module can take down the entire bus L network, so technicians often find the fault by unplugging modules one at a time until communication returns rather than replacing the module that set the code
- The module that stores U007E is not always the defective one; it is simply the module that noticed the bus went silent, and the actual cause may be a module at the far end of the network
- Aftermarket alarms, remote starters, and audio equipment tapped into bus wiring are a frequent cause of bus L failure that owners overlook because the installation happened years earlier
- A weak or failing battery can cause modules to drop offline intermittently and set U007E, so voltage and ground checks must come before any module replacement
- Bus L is often a low-speed or secondary network, so the vehicle may drive normally with only a warning light, leading owners to postpone repair until multiple systems fail

Can I keep driving with U007E?

Do not drive the vehicle if multiple warning lights are on or the engine will not start, because the failure can disable safety systems and leave you stranded. If the vehicle runs and drives normally with only a warning light, limit driving to a short trip to a repair shop and avoid highways.



Tools that help

- OBD-II scan tool with enhanced manufacturer-specific software
- Digital multimeter with resistance and voltage measurement
- Wiring diagram for the affected network
- Test light or logic probe
- Socket set and trim removal tools

Reading U007E

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.

7E The exact fault within that area.

Often seen with

U0073 CAN Bus A Communication Bus Off · **U0100** Lost Communication With ECM/PCM A · **U0121** Lost Communication With Anti-Lock Brake System (ABS) Control · **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/u007e/>

