

GENERIC · NETWORK

U007A

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U007A

Control Module Communication Bus H Off

U007A is a generic network communication code indicating that a control module has lost communication on the dedicated bus designated 'H', which is a secondary or supplemental data bus used for specific module-to-module traffic. The detecting module has logged that it can no longer send or receive messages on that bus, often because the bus wiring is open, shorted, or a module on that bus has failed.

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 communication fault message on the dashboard
- Multiple unrelated warning lights appearing at once because several modules share the affected bus
- Intermittent or complete failure of features controlled by modules on bus H, such as memory seats, door modules, or trailer brake controllers
- The scan tool may fail to communicate with one or more modules during a health check
- Often no symptoms besides the warning light if the affected bus only carries non-critical convenience data
- Unexpected electrical gremlins such as modules waking up randomly or accessories not responding

Common causes, most likely first

- 1 Open circuit or high resistance in the bus H wiring, including a broken wire, corroded terminal, or damaged connector
- 2 Short to ground or short to voltage on one of the bus H conductors, often from chafed insulation or water intrusion
- 3 A failed control module on bus H that is dragging the bus down or no longer transmitting
- 4 Loose or corroded ground connection shared by modules on the bus, causing communication dropout
- 5 Low battery voltage or a failing charging system that causes modules to reset and lose bus communication
- 6 Aftermarket accessories improperly tapped into the bus wiring, introducing noise or a short
- 7 Internal fault in the gateway module that routes messages between buses, isolating bus H



How to diagnose and fix it

- 1 Perform a full scan of all modules and record which modules are online and which are missing from the bus H network
- 2 Check battery voltage and charging system output, as low voltage is a common cause of spurious communication codes
- 3 Inspect the bus H wiring harness and connectors for chafing, corrosion, water intrusion, and loose pins, especially near body seams and module connectors
- 4 Measure resistance on the bus H CAN (controller area network) lines with the battery disconnected to check for opens or shorts, comparing to manufacturer specifications
- 5 Disconnect modules one at a time from bus H to see if communication is restored, isolating a faulty module that is shorting the bus
- 6 Repair or replace damaged wiring, terminals, or connectors, then clear the code and verify communication with all modules on bus H
- 7 If a module is confirmed faulty, replace or reprogram it according to the manufacturer's procedures and recheck for the code

Why bus H faults are often misdiagnosed

- Bus H is frequently a secondary bus for body or convenience modules, so a failure may not affect drivability and the code can be ignored until a convenience feature stops working.
- A single failed module on bus H can pull the entire bus down, making it look like a wiring fault when the real problem is the module itself.
- Technicians often replace the module that set the code when the actual fault is a corroded connector or chafed wire elsewhere on the bus.
- Aftermarket alarms, remote starters, or trailer wiring tapped into bus H are a common source of intermittent communication codes that only appear under certain conditions.
- The code does not always mean the bus is dead; it can be set by a momentary glitch during a low-voltage event such as engine cranking or a weak battery.

Can I keep driving with U007A?

The vehicle is generally safe to drive if the code is the only symptom and the affected bus carries only convenience features, but avoid long trips until diagnosed because a failing bus can disable safety or body systems unpredictably. If multiple warning lights are on or the vehicle exhibits electrical oddities, have it inspected promptly.



Tools that help

- OBD-II scan tool with full system and module communication capability
- Digital multimeter with resistance and voltage measurement
- Wiring diagram and connector pinout for the specific vehicle
- Breakout box or terminal test kit for probing connectors without damage
- Battery load tester and charging system tester

Reading U007A

- 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.
- 7A** 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 CVT Works: Belt and Pulley Transmission](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u007a/>

