

GENERIC · NETWORK

U011F

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U011F

Lost Communication With V2X Module

U011F means the vehicle's main communication network has lost contact with the V2X (Vehicle-to-Everything) module, which is the system that lets the car talk to other vehicles and roadside infrastructure. The computer detected that it stopped receiving the periodic status messages the V2X module is supposed to broadcast over the CAN (Controller Area Network) bus.

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

Symptoms you may notice

- A warning light or message on the dash, often related to driver assistance or connectivity features
- Often no symptoms besides the warning light, because V2X is a convenience and safety aid rather than an engine control system
- V2X-dependent features such as forward collision warnings or intersection alerts may stop working
- A stored code in other modules that also communicate with the V2X module
- Intermittent operation of connected services or over-the-air update features

Common causes, most likely first

- 1 A blown fuse or poor power/ground connection at the V2X module
- 2 Damaged or corroded wiring or connectors in the V2X module's CAN bus circuit
- 3 A failed V2X module itself, often due to internal electronics failure
- 4 A CAN bus fault elsewhere that disrupts communication on the network segment shared with the V2X module
- 5 Software or configuration mismatch in the V2X module after a battery replacement or module swap
- 6 Water intrusion or physical damage to the V2X module or its antenna



How to diagnose and fix it

- 1 Check all fuses that supply power to the V2X module and replace any that are blown
- 2 Inspect the V2X module connectors for corrosion, loose pins, or water damage and clean or repair as needed
- 3 Measure voltage and ground at the V2X module connector to confirm it has proper power and ground
- 4 Use a scan tool to check for communication on the CAN bus and look for other modules that are also offline
- 5 Perform a voltage drop test on the CAN bus wiring between the V2X module and the network gateway to find high resistance
- 6 If wiring and power are good, substitute a known-good V2X module or perform a software update/relearn procedure as required by the manufacturer
- 7 Clear the code and verify communication is restored after the repair

V2X module communication loss traps

- A weak or failing battery can cause the V2X module to drop off the network intermittently, so always load-test the battery before condemning the module.
The V2X module often shares a CAN segment with other telematics or driver-assist modules, so a single wiring fault can set several U-codes at once and mislead you into replacing multiple parts.
- After replacing or reprogramming the V2X module, many vehicles require a configuration or initialization procedure that a generic scan tool cannot perform, leading to a repeat U011F if skipped.
- Water leaks into the trunk or rear quarter panel are a common hidden cause because the V2X module is frequently mounted in those areas, and the corrosion may not be visible until the connector is unplugged.
A U011F can be set by a completely dead V2X module or by a module that is alive but unable to transmit due to a software hang, so checking for power alone does not prove the module is good.

Can I keep driving with U011F?

The vehicle remains safe to drive because V2X is an assistive communication system and does not control steering, braking, or engine operation. Avoid relying on any V2X-based warnings until the fault is repaired, and address the code promptly if the vehicle is under warranty or if other communication codes appear.

Tools that help

- OBD-II scan tool with CAN bus communication capability
- Digital multimeter for voltage, ground, and resistance checks
- Fuse puller and test light
- Wiring diagram for the V2X module circuit
- Trim removal tools to access module connectors



Reading U011F

- 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.
- 1F** The exact fault within that area.

Often seen with

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 · **U0184** Lost Communication With Radio

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/u011f/>

