

GENERIC · NETWORK

U0548

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0548

Invalid Data Received From Seat Control Module F

U0548 is a communication fault indicating that a control module on the vehicle's network received invalid or corrupted data from the seat control module, which is typically identified as module F in the network topology. The receiving module detected that the data frames from the seat control module did not match the expected format, checksum, or message content, so it flagged the signal as invalid rather than simply missing.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Low	Intermediate	Network communication

Symptoms you may notice

- The seat adjustment buttons may stop responding or move the seat in the wrong direction.
- Memory seat positions may fail to recall or may move to an incorrect position.
- The seat heater or ventilated seat function may not operate or may stay on continuously.
- A warning light or message on the instrument cluster indicating a seat system fault.
- Often no symptoms besides the warning light, because the seat may still work manually.
- Other modules on the same network may log communication codes if the seat module disrupts the bus.

Common causes, most likely first

- A faulty seat control module that is sending corrupted or out-of-range data frames.
- Damaged or chafed wiring in the seat harness, especially where it flexes with seat movement.
- Corroded or loose connectors at the seat control module or at the network gateway.
- Low battery voltage or a weak charging system causing the seat module to reset and transmit invalid data.
- Water intrusion into the seat module or connector, common after spills or a leaking roof.
- A software or calibration issue in the seat control module that requires a reflash or replacement.
- Network bus faults, such as a shorted CAN (Controller Area Network) line, that corrupt messages from the seat module.



How to diagnose and fix it

- 1 Verify battery voltage and charging system output, then clear the code and test-drive to see if U0548 returns.
- 2 Inspect the seat harness and connectors for chafing, corrosion, or loose pins, especially at the seat module.
- 3 Check for water intrusion or spilled liquid around the seat control module and dry or replace affected components.
- 4 Use a scan tool to read live data from the seat control module and compare commanded versus actual seat positions.
- 5 Perform a network integrity test to confirm the CAN bus is not shorted or open and that all modules communicate.
- 6 If data from the seat module remains invalid, reflash or replace the seat control module and perform any required calibration.
- 7 After repair, clear all codes, cycle the ignition, and verify that U0548 does not reset during a complete seat function test.

Seat module data faults that fool technicians

- A seat control module that still moves the seat manually can still send invalid network data, so functional tests alone do not rule out the module.
- The code often sets intermittently after the seat is moved to a specific position, which points to a harness flex point rather than a failed module.
- Low battery voltage during cranking can cause the seat module to boot improperly and transmit invalid frames, mimicking a hard module failure.
- Aftermarket seat covers or accessories tapped into the seat harness can introduce noise or voltage drops that corrupt the data signal.
- A gateway module that is failing can misreport invalid data from the seat module, so always check gateway communication codes before replacing the seat module.

Can I keep driving with U0548?

This code is safe to drive with in most cases because it affects seat comfort and memory functions rather than steering, braking, or airbags. Avoid adjusting the seat while the vehicle is in motion if the seat moves unexpectedly, and have the fault diagnosed soon to prevent a dead battery or network issue from developing.

Tools that help

- OBD-II scan tool with live data and network communication capabilities
- Digital multimeter for voltage, resistance, and continuity checks
- Wiring diagram and connector pinout for the seat control module circuit
- Trim removal tools to access seat harness and module connectors
- Battery load tester or charging system tester



Reading U0548

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

Often seen with

U0001 Loss of Bus Communication · **U0140** Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module · **U0547** Invalid Data Received From Seat Control Module E · **U0549** Invalid Data Received From Remote Accessory Module

See it working

Watch the animated explainer [How Hydraulic Brakes Work: Pedal to Caliper](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0548/>

