

GENERIC · NETWORK

U0547

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0547

Invalid Data Received From Seat Control Module E

U0547 is a communication fault indicating that a control module on the vehicle's network received invalid or corrupted data from Seat Control Module E, which manages power seat functions for a specific seating position. The receiving module detected that the data frames coming from the seat module did not match the expected format or values, so it flagged the message as invalid rather than acting on unreliable commands.

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

Symptoms you may notice

- The seat memory, power adjustment, or heating functions for the affected seating position may stop responding or behave erratically.
- A seat-related warning message or icon may appear on the instrument cluster or infotainment screen.
- The affected seat may default to a fixed position and refuse to move when the switch is operated.
- Other modules on the same communication bus may log unrelated communication codes if the seat module is disrupting network traffic.
- Often no symptoms besides the warning light, with the seat continuing to work normally because the invalid data was intermittent.
- The seat may move on its own or fail to hold a memorized position if corrupted commands are intermittently accepted.



Common causes, most likely first

- 1 A failing Seat Control Module E, typically due to internal circuit board faults or water intrusion from spills or a leaking sunroof drain.
- 2 Corroded, loose, or damaged pins in the seat module's electrical connector, often caused by moisture or repeated seat movement stressing the harness.
- 3 A chafed or broken wire in the seat harness where it flexes with seat travel, producing intermittent data corruption on the network bus.
- 4 Low battery voltage or a weak charging system causing the seat module to transmit malformed data frames during voltage sags.
- 5 A software or calibration mismatch in Seat Control Module E after a replacement part was installed without proper configuration.
- 6 Network bus faults such as a shorted or open data line that corrupt the signal reaching the receiving module.
- 7 A faulty receiving module that misinterprets valid seat module data, though this is less common than faults at the seat module itself.

How to diagnose and fix it

- 1 Perform a full scan of all modules and record every stored and pending code to establish whether the fault is isolated to the seat module or part of a wider network issue.
- 2 Check battery voltage and charging system output, then clear the code and test-drive to see whether U0547 returns under normal operating conditions.
- 3 Inspect the Seat Control Module E connector and harness for corrosion, loose pins, or chafed wires, repairing any damaged terminals or wire sections found.
- 4 Measure the network bus voltage and resistance at the seat module connector to confirm the data lines are intact and within specification.
- 5 Substitute a known-good Seat Control Module E of the same part specification, or swap the module to a different seating position where the wiring allows, to see whether the code follows the module.
- 6 If a replacement module is fitted, perform the required configuration or calibration procedure with a scan tool so the module transmits data the other modules accept.
- 7 After repair, clear all codes, cycle the ignition, operate every seat function through several full cycles, and verify that U0547 does not reset.



Seat module faults that mimic network codes

- A spill or a blocked sunroof drain that soaks the seat module is one of the most common causes of invalid data from a seat control module, and the corrosion often looks minor until the connector pins are examined closely.
- U0547 does not always mean the seat module has failed; a weak battery or a voltage drop during cranking can corrupt data frames long enough to set the code without any permanent module fault.
- Technicians sometimes replace the seat module only to find the code returns because the real problem is a chafed wire in the seat harness where it bends with every fore-and-aft adjustment.
- Because Seat Control Module E shares the communication bus with many other modules, a fault there can set communication codes in unrelated systems, leading to misdiagnosis of the wrong module.
- After replacing a seat module, failing to perform the configuration or calibration step can leave the new module transmitting data the network rejects, so the code persists even though the hardware is good.

Can I keep driving with U0547?

This code is safe to drive with in most cases because it affects seat convenience functions rather than steering, braking, or powertrain control. Avoid adjusting the seat repeatedly if it behaves erratically, and have the fault diagnosed soon if the seat is stuck in a position that compromises your driving posture or if other modules begin logging communication codes.

Tools that help

- OBD-II scan tool with full module network access and live data capability
- Digital multimeter for voltage, resistance, and bus signal checks
- Wiring diagram and connector pinout for the seat control module circuit
- Trim removal tools for accessing the seat module and harness
- Battery load tester or charging system analyzer
- Contact cleaner and terminal repair kit for corroded connectors

Reading U0547

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.
47	The exact fault within that area.



Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module · **U0546** Invalid Data Received From Entertainment Control Module - Fr · **U0548** Invalid Data Received From Seat Control Module F

See it working

Watch the animated explainer [How a Catalytic Converter Works: 3D Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0547/>

