

GENERIC · NETWORK

U0579

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0579

Invalid Data Received From Seat Module L

U0579 is a communication fault indicating that a control module on the vehicle's network received invalid or corrupted data from the seat module designated 'L' (left). The computer detected that the data frames coming from that seat module did not match the expected format, checksum, or message content, so it flagged the signal as untrustworthy 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 controls may stop responding or move in only one direction
- Memory seat positions may fail to recall or may move to the wrong position
- The seat heater or ventilation may not activate when selected
- A warning light or message on the dash indicating a seat system fault
- Often no symptoms besides the warning light, with the seat operating normally
- Other modules on the same network may log communication codes if the data bus is disturbed

Common causes, most likely first

- Corroded or loose electrical connector at the seat module or under the seat where moisture and movement are common
- Damaged wiring harness under the seat, often from seat movement chafing or pinching the loom
- Failing seat module internal circuitry producing corrupted data frames
- Low or unstable battery voltage causing the seat module to transmit invalid data
- Water intrusion into the seat module or connector causing intermittent signal corruption
- A faulty ground connection for the seat module, leading to erratic communication
- Network bus faults such as a shorted or open data line that corrupts messages from the seat module



How to diagnose and fix it

- 1 Inspect the seat module connectors and wiring under the seat for corrosion, looseness, or chafing, and clean or repair as needed
- 2 Check battery voltage and charging system output to rule out low voltage causing corrupted data
- 3 Verify the seat module ground connection is clean and tight
- 4 Use a scan tool to clear the code and observe whether it returns immediately or only after seat operation
- 5 Perform a wiggle test on the seat harness while watching live data for the seat module to catch intermittent faults
- 6 If wiring and power are good, substitute a known-good seat module or perform module reprogramming if applicable
- 7 Check the communication bus for shorts or opens that could corrupt data from the seat module

Why the seat module sends invalid data

- A seat module that still operates the seat normally can still set U0579 because the code is about data quality, not total failure, so replacing the module immediately is often unnecessary
- Moisture from spilled drinks or a wet floor can wick into the under-seat connector and corrupt the data lines without any visible damage to the module itself
- The 'L' designation refers to the left seat module, but on some vehicles the left and right seat modules share a power or ground circuit, so a fault on one side can affect the other
- A weak battery or a failing alternator can cause multiple modules to log invalid data codes simultaneously, so check for other U-codes before condemning the seat module
- Aftermarket seat covers or accessories that pinch the harness are a commonly overlooked cause of intermittent invalid data from the seat module

Can I keep driving with U0579?

The vehicle remains safe to drive because the seat module does not affect steering, braking, or powertrain operation, but avoid adjusting the seat repeatedly until the fault is repaired to prevent further harness damage. If the seat is stuck in a position that impairs your driving posture, address it before driving.

Tools that help

- OBD-II scan tool with live data and module communication capability
- Digital multimeter for voltage, resistance, and continuity checks
- Trim removal tools to access under-seat connectors
- Contact cleaner and dielectric grease for connector repair
- Wiring diagram for the seat module circuit



Reading U0579

- 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.
- 79** 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 · **U0578** Invalid Data Received From Seat Module K · **U0580** Invalid Data Received From Haptic Control Module

See it working

Watch the animated explainer [How a Helicopter Flies: Rotor and Tail in X-Ray](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0579/>

