

GENERIC · NETWORK

U0525

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0525

Invalid Data Received From Door Window Motor C

U0525 is a communication fault where a control module on the vehicle's network receives data from the door window motor on circuit C that it considers invalid or out of range. The module monitoring that message sets the code because the window motor's reported position, status, or command acknowledgement does not match what the network expects, even though the motor may still operate.

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

Symptoms you may notice

- The window on the affected door may fail to move, move in the wrong direction, or stop partway through its travel.
- The one-touch auto-up or auto-down feature may stop working or reverse unexpectedly.
- The window switch may need to be held continuously because the motor's position data is rejected by the module.
- A window-related warning message or chime may appear on the driver information display.
- Often no symptoms besides the warning light, with the window still functioning normally.
- Other body functions tied to the same network, such as door lock or mirror controls, may act intermittently.

Common causes, most likely first

- A failing door window motor module that is sending corrupted or out-of-range position and status data onto the network.
- Damaged or chafed wiring in the door jamb boot where the harness flexes every time the door opens and closes.
- Corroded or loose connector pins at the window motor, door module, or body control module (BCM) connector.
- Low battery voltage or a weak ground at the door causing the motor module to transmit invalid data frames.
- A software or calibration issue in the body control module or door module that misinterprets valid motor data.
- Water intrusion into the door cavity that has reached the motor connector or the module mounted inside the door.



How to diagnose and fix it

- 1 Connect a scan tool and read all body and network codes, then record freeze-frame data and confirm U0525 is current rather than history.
- 2 Inspect the door jamb wiring boot and the window motor connector for chafing, corrosion, water intrusion, and loose pins.
- 3 Check battery voltage and the ground connection at the door and body to rule out low-voltage data corruption.
- 4 Command the window motor through the scan tool bidirectional controls and watch whether the reported position data tracks the actual glass movement.
- 5 Perform a window motor initialization or relearn procedure after any battery disconnect or motor replacement.
- 6 If data remains invalid, substitute a known-good window motor or module and recheck the code before condemning the body control module.
- 7 Clear codes, verify the repair with a full window cycle in both directions, and confirm U0525 does not return after a road test.

Why window motor data goes invalid

- A window motor that still moves the glass can still set U0525 because the code is about the data message, not the motor's mechanical function.
- The door jamb boot is the most commonly missed failure point, since the harness strands break inside the rubber sleeve where visual inspection from outside shows nothing.
- Low battery voltage during cranking or a weak door ground can corrupt the motor's data frames without ever setting a low-voltage code.
- After replacing a window motor or disconnecting the battery, many vehicles require a position relearn or the module will keep rejecting the motor's data as invalid.
- A body control module that has been flashed or replaced may need configuration before it will accept the door window motor's messages, and skipping that step mimics a faulty motor.

Can I keep driving with U0525?

The vehicle remains safe to drive because the fault affects a body convenience system rather than steering, braking, or airbags. Avoid leaving the affected window down in rain or secure parking situations until the fault is repaired, and do not force the window if it stops moving.

Tools that help

- OBD-II scan tool with body and bidirectional control capability
- Digital multimeter for voltage, ground, and continuity checks
- Trim removal tools for door panel access
- Wiring diagram for the affected door window circuit
- Test light or logic probe for network line checks



Reading U0525

- 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.
- 25** The exact fault within that area.

Often seen with

U0140 Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module · **U0524** Invalid Data Received From Door Window Motor B · **U0526** Invalid Data Received From Door Window Motor D

See it working

Watch the animated explainer [Turbocharger Trainer: Boost, Wastegate and Intercooler](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0525/>

