

GENERIC · NETWORK

U0526

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0526

Invalid Data Received From Door Window Motor D

U0526 is a communication fault indicating that a control module received invalid or corrupted data from the door window motor on the D circuit, which is typically the right rear window motor. The computer detected a message from that motor that failed its internal validity check, such as a missing checksum, out-of-range value, or malformed data frame.

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 not move at all, move slowly, or stop partway through its travel.
- The window switch on that door or the master switch may fail to operate the window, or operation may be intermittent.
- A window anti-pinch or auto-up feature may stop working or reverse unexpectedly.
- The body control module (BCM) may log the code and trigger a warning light or message on the dashboard.
- Often no symptoms besides the warning light, especially if the fault is intermittent and the window still works normally.

Common causes, most likely first

- A failing door window motor assembly, particularly a worn internal position sensor or motor control electronics.
- Damaged or corroded wiring in the door jamb boot, where the harness flexes every time the door opens and closes.
- A poor ground connection at the window motor or door module, causing voltage drops that corrupt data.
- Water intrusion into the door connector or motor housing, leading to corrosion and intermittent communication.
- A faulty body control module (BCM) or door control module that is misinterpreting valid data from the window motor.
- Low battery voltage or a weak charging system, which can cause modules to send invalid data frames.
- Aftermarket window accessories or improper previous repairs that disturb the data bus wiring.



How to diagnose and fix it

- 1 Scan all modules for related codes and record freeze-frame data to see when the fault occurs.
- 2 Inspect the door jamb wiring harness and connector for chafing, corrosion, or loose pins, and repair as needed.
- 3 Check battery voltage and charging system output to rule out low voltage as a cause of invalid data.
- 4 Test the window motor ground circuit and power supply under load using a multimeter or test light.
- 5 Clear the code and operate the window through several full cycles to see if the fault returns immediately.
- 6 If the code persists, substitute a known-good window motor or use a scan tool to monitor live data from the motor.
- 7 If data remains invalid with a known-good motor and wiring, diagnose the BCM or door module and its software.

Why window motor data goes invalid

- A window motor can still move the glass perfectly while its internal position sensor sends corrupted data, so a working window does not rule out the motor as the cause.
- The door jamb boot is a common failure point that technicians overlook because the wiring looks fine until the door is opened and closed through its full range.
- Water leaks from clogged sunroof drains or door seals often corrode the window motor connector and cause this code long before the motor fails completely.
- A weak battery or a failing alternator can cause multiple modules to log invalid data codes, so check system voltage before condemning the window motor.
- Aftermarket window modules or alarm systems tapped into the door wiring can interfere with the data bus and set this code without any factory component being faulty.

Can I keep driving with U0526?

The vehicle is safe to drive because the fault affects only the door window, not engine, braking, or steering systems. Avoid operating the affected window repeatedly until the fault is repaired, and keep the window closed in wet or dusty conditions to protect the door interior.

Tools that help

- OBD-II scan tool with module-level communication capability
- Digital multimeter
- Trim removal tools
- Test light
- Wiring diagram for the affected vehicle



Reading U0526

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

Often seen with

U0140 Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module · **U0525** Invalid Data Received From Door Window Motor C · **U0527** Invalid Data Received From Door Window Motor E · **U0528** Invalid Data Received From Door Window Motor F

See it working

Watch the animated explainer [How Push-Button Start Works: Keyless Ignition](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0526/>

