

GENERIC · NETWORK

U0572

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0572

Invalid Data Received From Vehicle Motion Control Module A

U0572 is a communication fault indicating that a control module received invalid or corrupted data from the Vehicle Motion Control Module A over the vehicle's network. The computer detected a message from that module that failed its internal checksum or contained out-of-range values, so it flagged the data as untrustworthy rather than a total loss of communication.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Medium	Professional	Network communication

Symptoms you may notice

- Illumination of the anti-lock brake system (ABS) or traction control warning light
- Illumination of the check engine light or a general stability control fault message
- Intermittent or permanent disabling of advanced driver assistance features such as adaptive cruise control or lane keeping
- A noticeable reduction in power or activation of limp mode in some vehicles
- Often no symptoms besides the warning light, with the vehicle driving normally
- Occasional harsh or delayed shifting if the motion control data feeds the transmission controller

Common causes, most likely first

- 1 Corroded, loose, or damaged electrical connector at the Vehicle Motion Control Module A
- 2 Chafed or open wiring in the controller area network (CAN) bus or other data bus between modules
- 3 Failing Vehicle Motion Control Module A itself, often due to internal circuit faults or water intrusion
- 4 Low or unstable battery voltage causing the module to send corrupted data frames
- 5 Software or calibration error in the motion control module requiring a reflash or update
- 6 A faulty sensor feeding the motion control module, such as a wheel speed or yaw rate sensor, causing it to transmit invalid data
- 7 Electromagnetic interference from aftermarket accessories or poor grounding points



How to diagnose and fix it

- 1 Perform a full scan of all modules to record stored, pending, and history codes, then clear codes and test-drive to see if U0572 returns immediately.
- 2 Inspect the battery state of charge and charging system output, as low voltage is a common cause of invalid data frames.
- 3 Locate Vehicle Motion Control Module A and check its connectors for corrosion, loose pins, or water intrusion, cleaning and reseating as needed.
- 4 Check the data bus wiring for continuity, shorts to ground or power, and proper termination resistance using a digital multimeter.
- 5 If wiring and power are good, substitute a known-good module of the same part number to see if the fault follows the module.
- 6 Verify that the motion control module has the latest software calibration and perform a reprogramming if a technical service bulletin applies.
- 7 After repairs, clear codes and perform a road test with a scan tool monitoring live data to confirm no invalid data frames are logged.

What the code does not always mean

- U0572 often appears after a low-voltage event such as a jump start or a weak battery, and the module may be perfectly fine once voltage is restored and codes are cleared.
- A wheel speed sensor or steering angle sensor that is slightly out of range can cause the motion control module to broadcast invalid data, so technicians who replace the module without checking sensor inputs often see the code return.
- The code can be set by a single corrupted message during a network glitch, so a history-only U0572 with no current symptoms may not warrant any repair beyond clearing and monitoring.
- Aftermarket electronic accessories wired into the CAN bus or poor ground connections can introduce noise that corrupts data frames, mimicking a failing module.
- Some vehicles require a relearn or calibration procedure after battery replacement or module service, and skipping it can leave U0572 stored even when all hardware is good.

Can I keep driving with U0572?

If the vehicle drives normally and only the warning light is on, you can drive cautiously to a repair shop, but avoid towing, heavy loads, or aggressive driving. If the ABS or stability control warning is active, remember that those safety systems may not intervene in an emergency, so reduce speed and increase following distance.



Tools that help

- OBD-II scan tool with full system and live data capability
- Digital multimeter with CAN bus testing functions
- Wiring diagram and connector pinout for the vehicle
- CAN bus breakout box or oscilloscope for signal integrity checks
- Module programming tool if a software update is required

Reading U0572

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.
72	The exact fault within that area.

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0121** Lost Communication With Anti-Lock Brake System (ABS) Control · **U0401** Invalid Data Received From ECM/PCM · **U0415** Invalid Data Received From Anti-Lock Brake System Control Mo · **U0422** Invalid Data Received From Body Control Module

See it working

Watch the animated explainer [Engine Cooling System Trainer: How Engines Stay Cool](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0572/>

