



U042B

Invalid Data Received From Chassis Control Module A

U042B means the module that coordinates the vehicle's main network received data from Chassis Control Module A that it judged invalid or out of range. The receiving module did not lose contact with the chassis module; it got a message it could not trust, so it set this communication code and may disable features that depend on that data.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Medium	Professional	Invalid data received from a module

Symptoms you may notice

- Illumination of the anti-lock brake (ABS), traction control, or stability control warning light
- A message on the driver information display stating that a chassis or stability system is unavailable
- Reduced or disabled stability control, traction control, or hill-descent features
- An unexpected steering feel or warning if the chassis module shares steering angle data
- Often no symptoms besides the warning light, with the vehicle driving normally
- Multiple unrelated warning lights if the invalid data affects several modules on the network

Common causes, most likely first

- 1 A weak or failing 12-volt battery or poor charging system voltage causing the chassis control module to transmit corrupted data
- 2 Corroded, loose, or damaged connectors and terminals at Chassis Control Module A or at the module that stores the code
- 3 Wiring damage in the controller area network (CAN) bus or other communication circuits between the chassis module and the receiving module
- 4 A software or calibration fault in Chassis Control Module A that causes it to broadcast out-of-range values
- 5 A failing Chassis Control Module A that intermittently drops off the network or sends invalid frames
- 6 A faulty wheel speed sensor, steering angle sensor, or yaw rate sensor feeding bad data into Chassis Control Module A
- 7 A problem with the receiving module itself, such as an internal communication fault, that makes it reject valid data



How to diagnose and fix it

- 1 Perform a full scan of all modules and record every stored, pending, and history code before clearing anything
- 2 Test the battery and charging system, including a load test and voltage-drop checks, because low voltage corrupts network messages
- 3 Inspect and clean the connectors and terminals at Chassis Control Module A and at the module that set U042B, looking for corrosion, water intrusion, or loose pins
- 4 Check the communication bus wiring for continuity, shorts to ground or power, and correct termination resistance
- 5 Verify that Chassis Control Module A has the latest known-good software or calibration and reprogram it if an update applies
- 6 Check live data from the wheel speed, steering angle, and yaw rate sensors that feed the chassis module for implausible or intermittent values
- 7 If wiring, power, and sensor inputs are correct, substitute a known-good Chassis Control Module A or the receiving module to isolate the faulty unit

Why U042B is often a voltage or wiring fault

- A weak battery is one of the most common root causes of U042B because chassis control modules can transmit corrupted frames when supply voltage sags during cranking or under load.
- Technicians who replace Chassis Control Module A first often find the code returns because the real problem is a corroded connector or a chafed CAN bus wire that intermittently shorts.
- U042B does not mean the chassis module is dead or offline; it means the receiving module received a message it considered invalid, which can come from a sensor feeding bad data into the chassis module.
- A wheel speed sensor or steering angle sensor with an intermittent signal can cause the chassis module to broadcast implausible values without setting its own sensor code, so live data review is essential.
- After repairs, the code may need to be cleared and a relearn or calibration drive cycle performed before stability control features return to normal.

Can I keep driving with U042B?

The vehicle is usually safe to drive to a repair shop because the fault mainly affects stability and traction features, but avoid aggressive driving, towing, or slippery conditions until it is diagnosed. If the warning lights are accompanied by reduced power steering assist or brake warning lamps, stop driving and have the vehicle towed.



Tools that help

- OBD-II scan tool with full module scanning and live data capability
- Digital multimeter with voltage-drop and resistance functions
- Battery load tester and charging system tester
- CAN bus breakout box or oscilloscope for network signal analysis
- Factory service information with wiring diagrams and connector pinouts
- Terminal pick and contact cleaner for connector inspection

Reading U042B

U	Network: communication between the vehicle's control modules.
0	Generic (SAE) code: it means the same thing on every OBD-II vehicle.
4	Invalid data received from a module.
2B	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 · **U0126** Lost Communication With Steering Angle Sensor Module · **U042A** Invalid Data Received From V2X Module · **U042C** Invalid Data Received From Chassis Control Module B

See it working

Watch the animated explainer [Excavator Simulator: Hydraulics You Can Operate](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u042b/>

