



U057C

Invalid Data Received From Battery Charger Control Module D

U057C is a communication fault indicating that a control module on the vehicle's network received invalid or corrupted data from the Battery Charger Control Module D. The computer detected a message from that module that failed its internal validity check, such as a missing checksum, out-of-range value, or counter mismatch, rather than a complete loss of communication.

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

Symptoms you may notice

- Illumination of the check engine light or service vehicle soon message
- Often no symptoms besides the warning light, especially if the charging system still functions normally
- A battery warning light or charging system message on the dashboard
- Reduced or disabled automatic start-stop function
- Inconsistent battery charging or a battery that drains overnight
- Other unrelated warning lights due to shared network communication disruption

Common causes, most likely first

- 1 Corroded, loose, or damaged wiring and connectors at the battery charger control module
- 2 Failing battery charger control module D itself, often due to internal electronics faults or heat damage
- 3 Low voltage or a weak 12-volt battery causing modules to send corrupted data
- 4 CAN bus network faults such as a shorted or open data line, or interference from a faulty module on the same bus
- 5 Software or firmware glitch in the battery charger control module requiring a reflash or update
- 6 Water intrusion or physical damage to the module or its harness
- 7 Poor ground connection shared by the charging system modules



How to diagnose and fix it

- 1 Perform a full scan of all modules and record all stored codes, then clear codes and test-drive to see if U057C returns
- 2 Inspect the battery charger control module connectors and harness for corrosion, loose pins, chafing, or water damage
- 3 Test the 12-volt battery state of charge and perform a charging system output test to rule out low voltage as the root cause
- 4 Check the CAN bus data lines for proper resistance and shorts using a multimeter or oscilloscope
- 5 Verify power and ground supplies at the battery charger control module connector with a test light or multimeter
- 6 If wiring and power are good, substitute a known-good module or perform a software update per manufacturer procedure
- 7 After repair, clear codes and verify that U057C does not reset during a complete drive cycle

What most technicians overlook with U057C

- A weak or failing 12-volt battery is a frequent hidden cause; modules can send invalid data when supply voltage dips during cranking or under load.
- U057C often appears alongside other U-codes from different modules, pointing to a shared network or power issue rather than a single faulty charger module.
- Replacing the battery charger control module without checking the CAN bus for intermittent shorts or interference can lead to a repeat failure.
- Some vehicles set this code after a jump-start or battery replacement if the module's learned values are not reset properly.
- The code can be stored historically and may not indicate a current fault if the charging system is working correctly and the light is off.

Can I keep driving with U057C?

If the charging system warning light is on or the battery is not charging, avoid long trips and have the vehicle checked promptly to prevent a no-start condition. If only the check engine light is on and the battery appears to charge normally, you can drive short distances but should schedule diagnosis soon.

Tools that help

- OBD-II scan tool with full system and live data capability
- Digital multimeter
- Oscilloscope for CAN bus signal analysis
- Battery load tester and charging system tester
- Wiring diagram and connector pinout for the battery charger control module
- Basic hand tools for trim and connector access



Reading U057C

- 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.
- 7C** The exact fault within that area.

Often seen with

P0562 System Voltage Low · **U0100** Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U057B** Invalid Data Received From Battery Charger Control Module C · **U057D** Invalid Data Received From Off-Board Charger Control Module

See it working

Watch the animated explainer [Readiness Monitors and the OBD-II Drive Cycle](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u057c/>

