

GENERIC · NETWORK

U044C

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U044C

Invalid Data Received From Hybrid/EV Battery Inductive Charging Module

The U044C code means the vehicle's control module responsible for monitoring the hybrid or electric vehicle battery inductive charging module has received invalid or missing data from that module over the communication network. The computer detected a message that was either absent, out of range, or corrupted, so it cannot trust the charging module's status.

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 malfunction indicator lamp (MIL) or a dedicated charging system warning light.
- The inductive charging system may fail to start or may stop charging unexpectedly.
- A message on the dashboard indicating a charging system fault or that charging is unavailable.
- Often no symptoms besides the warning light, especially if the fault is intermittent.
- Possible reduction in vehicle performance or disabling of the charging feature as a protective measure.

Common causes, most likely first

- 1 Faulty or intermittent wiring and connectors between the inductive charging module and the network bus.
- 2 A software or firmware issue in the inductive charging module causing it to send invalid data.
- 3 A failing inductive charging module itself, such as internal circuit degradation.
- 4 Corrosion or water intrusion in the charging module's electrical connectors.
- 5 A malfunctioning control module that receives the data, misinterpreting valid messages.
- 6 Low voltage or a weak 12-volt battery affecting module communication.
- 7 Aftermarket accessories or improper repairs that disturb the communication bus.



How to diagnose and fix it

- 1 Perform a visual inspection of the inductive charging module and its wiring for damage, corrosion, or loose connections.
- 2 Check for technical service bulletins (TSBs) or software updates for the inductive charging module and related control modules.
- 3 Use a scan tool to retrieve all stored codes and freeze-frame data, then clear codes and test-drive to see if U044C returns.
- 4 Measure the voltage and resistance on the communication bus circuits at the charging module connector to verify integrity.
- 5 Substitute a known-good inductive charging module if available, or perform a module swap from an identical vehicle for testing.
- 6 Repair any damaged wiring or connectors, then recheck communication and clear codes.
- 7 If the module is confirmed faulty, replace and program the inductive charging module according to the manufacturer's procedure.

When the charging module is not the culprit

- A weak or failing 12-volt battery often causes communication codes like U044C because modules may not power up correctly or send corrupted messages.
- The code can be set by a momentary loss of communication during charging, so intermittent faults may not reappear immediately after clearing.
- Aftermarket charging accessories or improper installation of a charging station can introduce electrical noise that disrupts the data bus.
- A misdiagnosis trap is replacing the inductive charging module without first checking for loose or corroded connectors, which are common causes.
- The U044C code may be accompanied by other U-codes that point to a shared communication bus fault rather than an issue with the charging module alone.

Can I keep driving with U044C?

If the only symptom is a warning light and the vehicle drives normally, you can continue driving, but avoid using the inductive charging system until the fault is repaired. If charging is disabled or the vehicle enters a reduced-power mode, seek professional diagnosis promptly.

Tools that help

- OBD-II scan tool with manufacturer-specific software
- Digital multimeter
- Wiring diagram and service information
- CAN bus tester or oscilloscope
- Terminal cleaning tools and contact enhancer



Reading U044C

- 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.
- 4C** The exact fault within that area.

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U0293** Lost Communication with Hybrid Vehicle Control System · **U044B** Invalid Data Received From Battery Energy Control Module C · **U044D** Invalid Data Received From Generator B Control Module

See it working

Watch the animated explainer [How Regenerative Braking Works in Electric Cars](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u044c/>

