



U050E

Invalid Data Received From Wireless Accessory Charging Module B

U050E is a communication fault indicating that a control module received invalid or missing data from the Wireless Accessory Charging Module B over the vehicle's data bus. The computer detected that the messages from this charging module were either absent, corrupted, or outside the expected format, so it flagged the module as unreliable.

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

Symptoms you may notice

- The check engine light or service vehicle soon message illuminates on the dashboard.
- The wireless charging pad may not charge a phone or may charge intermittently.
- A warning message about the wireless charger or accessory power may appear on the infotainment screen.
- Other electronic features that share the same data bus may behave erratically, such as radio presets resetting or driver assist warnings.
- Often no symptoms besides the warning light, especially if the charging module is not in use.

Common causes, most likely first

- 1 A weak or failing 12-volt battery that causes voltage drops and disrupts module communication.
- 2 Corroded, loose, or damaged wiring or connectors at the wireless charging module or along its data bus circuit.
- 3 A faulty wireless accessory charging module B that is internally damaged and cannot transmit valid data.
- 4 Water intrusion or physical damage to the charging module or its harness, common in areas near cup holders or armrests.
- 5 A software glitch or outdated calibration in the charging module or the module receiving its data.
- 6 A shorted or open data bus line (CAN, LIN, or similar) that affects communication with the charging module.



How to diagnose and fix it

- 1 Perform a battery and charging system test to rule out low voltage as the root cause of the communication fault.
- 2 Inspect the wireless charging module and its connectors for corrosion, loose pins, or water damage, and clean or repair as needed.
- 3 Check the data bus wiring between the charging module and the module that set the code for continuity, shorts to ground, and shorts to power.
- 4 Clear the code and test-drive the vehicle to see if U050E returns; if it does, proceed with module-level diagnostics.
- 5 Use a scan tool to check for software updates or calibration procedures for the wireless charging module and related modules.
- 6 If wiring and power are confirmed good, substitute a known-good wireless charging module B to see if the code disappears.
- 7 After repair, clear all codes and verify that no communication faults remain and that the wireless charger operates correctly.

What most technicians overlook with U050E

- A weak battery is the most common hidden cause of U050E; the charging module may drop offline during cranking or under load, setting the code without any charging fault.
- The code can be set by a module other than the wireless charger itself, so always check which module stored U050E before replacing the charger.
- Aftermarket phone cases or metal objects left on the charging pad can cause the module to overheat and shut down, leading to intermittent invalid data and this code.
- A poor ground connection at the charging module or its mounting point can mimic a failed module, so voltage drop testing on the ground circuit is essential.
- U050E often appears alongside other U-codes when a shared data bus is disturbed, so diagnosing the bus as a whole is smarter than chasing each code individually.

Can I keep driving with U050E?

The vehicle remains safe to drive because the wireless charging module is a convenience feature and does not affect engine, steering, or braking. Avoid relying on the wireless charger until the fault is repaired, and address any low battery or wiring issues promptly to prevent other communication faults.



Tools that help

- OBD-II scan tool with module-level communication capabilities
- Digital multimeter for voltage and continuity testing
- Battery tester and charging system analyzer
- Wiring diagram and connector pinout for the wireless charging module circuit
- Trim removal tools to access the charging module and harness

Reading U050E

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.

0E The exact fault within that area.

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U050D** Invalid Data Received From Wireless Accessory Charging Modul · **U3000** Control Module

See it working

Watch the animated explainer [Helicopter Flight Simulator: Learn the Three Controls](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u050e/>

