



U050D

Invalid Data Received From Wireless Accessory Charging Module A

The U050D code means the vehicle's central gateway or body control module has received invalid or missing data from the wireless accessory charging module, which is the pad that charges compatible phones without a cable. The computer detected a communication fault on the dedicated data bus or a signal that does not match expected values, so it flags the charging module as the source of the bad data.

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

Symptoms you may notice

- The wireless charging pad does not charge a phone or charges intermittently
- A warning light or message on the dash indicating a charging system or accessory fault
- The infotainment screen shows a 'wireless charger unavailable' or similar message
- Other modules on the same data bus may log communication codes or behave erratically
- Often no symptoms besides the warning light, because the charging module is a convenience feature

Common causes, most likely first

- 1 Failed or intermittent wireless charging module
- 2 Damaged or corroded wiring or connector at the charging module
- 3 Blown fuse or poor power/ground connection to the charging module
- 4 Software or calibration issue in the charging module or gateway
- 5 Data bus fault (CAN, LIN, or other serial line) between the charging module and the gateway
- 6 Aftermarket phone case or foreign object on the pad causing the module to shut down and report invalid data
- 7 Water intrusion or physical damage to the charging pad assembly

How to diagnose and fix it

- 1 Verify the code is current and check for any related communication codes in other modules
- 2 Inspect the charging module fuse and its power and ground connections with a multimeter
- 3 Visually inspect the charging module and its connector for corrosion, water damage, or loose pins
- 4 Check the data bus wiring between the charging module and the gateway for continuity and shorts
- 5 Test the charging module with a known-good phone and remove any case or metal object from the pad
- 6 If wiring and power are good, reflash or recalibrate the charging module or gateway with factory software
- 7 Replace the wireless charging module only after all wiring and power checks pass



Wireless charger faults that mimic module failure

- A phone case with metal, magnets, or a thick wallet-style cover can cause the charging module to report invalid data even though the module itself is fine.
- The charging module often shares a low-speed data bus with other accessories, so a fault in a different module on that bus can set U050D as a false lead.
- Aftermarket wireless chargers or phone mounts plugged into the accessory socket can interfere with the factory pad and trigger this code.
- A weak or failing vehicle battery can cause the charging module to drop offline intermittently, setting U050D without any charging complaint.
- The code does not always mean the charging module is dead; a simple software update or connector reseat often clears it.

Can I keep driving with U050D?

The vehicle remains safe to drive because the wireless charging module is a convenience feature and does not affect engine, braking, or steering. Avoid relying on the wireless pad for phone charging until the fault is repaired, and address the code if the warning light is distracting or if other electrical symptoms appear.

Tools that help

- OBD-II scan tool with live data and module communication capability
- Digital multimeter
- Factory service information for wiring diagrams and connector pinouts
- Trim removal tools
- Test light or power probe

Reading U050D

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.
0D	The exact fault within that area.

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U050C** Invalid Data Received From Door Control Module H · **U050E** 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/u050d/>

