



U055E

Invalid Data Received From Front Controls Interface Module B

U055E means the module that receives data from the Front Controls Interface Module B (FCIM-B) has detected invalid or missing messages from that module over the vehicle's communication network. The FCIM-B typically handles climate, audio, or other front-panel control inputs, so the receiving module sets this code when the data it expects does not arrive correctly.

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

Symptoms you may notice

- A warning light or message on the instrument cluster indicating a communication or system fault
- Front panel controls for climate, audio, or other cabin functions may become unresponsive or behave erratically
- Some settings may revert to defaults or fail to change when buttons are pressed
- Intermittent operation of affected controls, especially in cold or damp weather
- Often no symptoms besides the warning light if the fault is stored but not currently active
- Other unrelated modules may log communication codes if the network is disturbed

Common causes, most likely first

- 1 Loose, corroded, or damaged connector at the Front Controls Interface Module B
- 2 Faulty FCIM-B module itself, often due to internal electronics failure
- 3 Wiring damage (open, short, or chafed harness) between the FCIM-B and the network
- 4 Low battery voltage or poor ground connection causing intermittent module communication
- 5 Network bus fault (CAN, LIN, or other protocol) affecting message integrity
- 6 Aftermarket accessories or improper repairs tapping into the communication wiring
- 7 Software or configuration mismatch after module replacement or battery service



How to diagnose and fix it

- 1 Verify battery voltage and charging system health, as low voltage is a common cause of communication codes
- 2 Inspect and reseal the electrical connector at the Front Controls Interface Module B for corrosion or loose pins
- 3 Check the wiring harness between the FCIM-B and the network for chafing, opens, or shorts
- 4 Use a scan tool to clear the code and see if it returns immediately or only under specific conditions
- 5 Perform a network communication test to confirm whether the FCIM-B is online and responding
- 6 If wiring and power are good, substitute a known-good FCIM-B or perform module reprogramming per manufacturer procedure
- 7 After repair, clear codes and verify that all front panel controls operate correctly and the code does not reset

What the FCIM-B code really tells you

- This code is often set by a weak battery or poor ground rather than a failed module, so always load-test the battery before condemning parts.
- A loose connector at the FCIM-B can cause intermittent invalid data that only appears over bumps or in damp weather, making it easy to miss during a quick inspection.
- The code does not always mean the FCIM-B is dead; it can be logged by another module that simply did not receive the expected message due to a network disturbance.
- Aftermarket radio or accessory installations that tap into the communication bus are a frequent cause of invalid data codes on the front control interface.
- Clearing the code without checking power and grounds often leads to a comeback, because the underlying voltage issue remains.

Can I keep driving with U055E?

You can usually continue driving if the only symptom is a warning light and the vehicle runs normally, but avoid relying on the affected front panel controls until the fault is repaired. If multiple warning lights appear or the vehicle enters a reduced-power mode, have it checked promptly.

Tools that help

- OBD-II scan tool with module communication and live data capability
- Digital multimeter for voltage, resistance, and continuity checks
- Test light or logic probe for quick circuit verification
- Battery load tester or conductance tester
- Trim removal tools for accessing the front control interface module
- Manufacturer service information for wiring diagrams and connector pinouts



Reading U055E

- 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.
- 5E** The exact fault within that area.

Often seen with

U0140 Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module · **U0164** Lost Communication With HVAC Control Module · **U055D** Invalid Data Received From Special Purpose Vehicle Control M · **U055F** Invalid Data Received From Electronic Brake Booster Control

See it working

Watch the animated explainer [How Coil-on-Plug Ignition Works: Coil and Spark Plug](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u055e/>

