

GENERIC · NETWORK

U0459

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0459

Invalid Data Received From Head Up Display

U0459 means the module that receives data from the Head Up Display (HUD) has detected invalid or missing messages from the HUD over the vehicle's communication network. The HUD projects speed and other driving information onto the windshield, and when its data is corrupted or absent, the receiving module sets this code and may disable or degrade the projection.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Network	Generic (all makes)	Low	Intermediate	Invalid data received from a module

Symptoms you may notice

- Head Up Display may be blank, flickering, or showing garbled or incorrect information
- A warning light or message on the instrument cluster indicating a HUD or communication fault
- Driver information such as speed or navigation prompts missing from the windshield projection
- Other driver-assist or display features that share the network may act intermittently
- Often no symptoms besides the warning light if the HUD still powers up but sends flawed data
- The HUD may default to a basic mode or shut off after a short period

Common causes, most likely first

- 1 Loose, corroded, or damaged electrical connector at the HUD unit or its power/ground circuit
- 2 Faulty HUD module internal electronics causing it to transmit invalid data frames
- 3 Damaged or chafed wiring in the communication network (CAN, LIN, or dedicated serial link) between the HUD and the receiving module
- 4 Low or unstable battery voltage affecting module communication during startup
- 5 Software or calibration mismatch in the HUD or receiving module after a battery replacement or repair
- 6 Failed HUD power supply or ground connection causing intermittent operation
- 7 Network communication fault elsewhere that corrupts messages before they reach the receiving module



How to diagnose and fix it

- 1 Verify battery voltage and charging system output, then clear the code and test-drive to see if it returns
- 2 Inspect the HUD connector and pins for corrosion, looseness, or pushed-out terminals, and reseat firmly
- 3 Check the HUD power and ground circuits with a multimeter for voltage drop and continuity
- 4 Inspect the communication network wiring between the HUD and the module that set the code for chafing, pinching, or water intrusion
- 5 Use a scan tool to read live HUD data and confirm whether the HUD is transmitting any messages at all
- 6 If wiring and power are good, substitute a known-good HUD unit or perform module reprogramming per manufacturer procedure
- 7 After repair, clear codes and verify the HUD operates correctly and the code does not reset

HUD data faults that fool good technicians

- A HUD that lights up and appears to work can still set U0459 because the code is about invalid data content, not a dead display, so visual checks alone are misleading.
Low battery voltage during engine cranking is a common trigger because modules may boot in an unexpected order and log communication faults that never return after clearing.
- The receiving module, not the HUD itself, stores U0459, so replacing the HUD without checking the network and power circuits often fails to fix the fault.
- Aftermarket window tint or a replacement windshield can disturb HUD calibration or connectors, leading to data errors that look like an internal HUD failure.
A poor ground shared with other dashboard electronics can corrupt HUD messages intermittently, so voltage-drop testing on grounds is essential before condemning the module.

Can I keep driving with U0459?

The vehicle remains safe to drive because the HUD is a convenience display and does not control steering, braking, or engine operation. Avoid relying on the projection for speed or navigation until repaired, and address the fault promptly if the warning light is accompanied by other electrical symptoms.

Tools that help

- OBD-II scan tool with live data and module communication capability
- Digital multimeter for voltage, resistance, and voltage-drop tests
- Trim removal tools to access the HUD and dashboard connectors
- Wiring diagram or service information for the HUD communication circuit
- Test light or logic probe for quick circuit checks



Reading U0459

- 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.
- 59** The exact fault within that area.

Often seen with

U0100 Lost Communication With ECM/PCM A · **U0140** Lost Communication With Instrument Panel Cluster · **U0155** Lost Communication With Body Control Module · **U0458** Invalid Data Received From Information Center B · **U0460** Invalid Data Received From Automated Driving System Interfac

See it working

Watch the animated explainer [How a Wideband Air-Fuel Sensor Works](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0459/>

