

GENERIC · NETWORK

U068E

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U068E

Lost Communication With EGR Temperature Sensor B

U068E is a network communication code indicating that a control module on the vehicle's Controller Area Network (CAN) bus has lost contact with the Exhaust Gas Recirculation (EGR) Temperature Sensor B. The module that monitors this sensor, often the Engine Control Module (ECM) or a dedicated EGR controller, has stopped receiving valid temperature data over the communication bus, which can affect EGR system operation and emissions control.

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

Symptoms you may notice

- Illumination of the Check Engine Light or Service Engine Soon light, often with no other noticeable symptoms.
- Rough or unstable engine idle, particularly when the engine is cold or during EGR activation.
- Reduced fuel economy as the ECM may default to a less efficient fueling strategy.
- Failed emissions test due to an incomplete or failed EGR monitor.
- Intermittent engine hesitation or stumble during light acceleration.
- Other communication-related warning lights if the fault is part of a broader bus issue.

Common causes, most likely first

- 1 Damaged, corroded, or disconnected wiring or connector at the EGR temperature sensor B or its harness.
- 2 Failed EGR temperature sensor B itself, causing the module to stop transmitting data.
- 3 Faulty CAN bus wiring (open, short, or high resistance) between the sensor module and the ECM.
- 4 Poor ground connection for the EGR sensor circuit or the module that reports the sensor data.
- 5 Failed control module (ECM or EGR controller) that cannot communicate on the bus.
- 6 Software or calibration issue in the ECM causing intermittent loss of communication.
- 7 Aftermarket accessories or improper electrical repairs introducing bus interference.



How to diagnose and fix it

- 1 Perform a visual inspection of the EGR temperature sensor B connector and harness for corrosion, damage, or loose pins.
- 2 Use an OBD-II scan tool to check for communication with the module that reports EGR temperature sensor B and verify live data availability.
- 3 Measure resistance and voltage on the sensor signal circuit and compare to manufacturer specifications.
- 4 Check CAN bus continuity and resistance (typically 60 ohms across the bus) to rule out wiring faults.
- 5 Inspect and clean ground connections for the EGR sensor and the control module.
- 6 If wiring and sensor test good, substitute a known-good sensor or module to isolate the faulty component.
- 7 Repair or replace the faulty wiring, sensor, or module as needed, then clear codes and verify communication is restored.

When U068E is not the sensor's fault

- A loose or corroded ground at the EGR sensor or module can mimic a failed sensor and set U068E without any sensor defect.
- The code often appears after battery replacement or jump-starting if the module loses its communication configuration temporarily.
- CAN bus faults from unrelated modules or aftermarket electronics can disrupt EGR temperature sensor B communication, so always check for other U-codes.
- Some vehicles use a dedicated EGR controller that reports sensor B data; a failure in that controller can set U068E even when the sensor itself is fine.
- Intermittent U068E codes are frequently caused by chafed wiring near hot exhaust components, which only lose contact when the engine bay reaches operating temperature.

Can I keep driving with U068E?

The vehicle is generally safe to drive with U068E because it is a communication code and does not cause immediate safety hazards, but prolonged driving may increase emissions and reduce fuel economy. Avoid heavy loads or long trips until the fault is diagnosed, and address the code promptly to prevent secondary EGR system damage.

Tools that help

- OBD-II scan tool with live data and CAN bus communication capability
- Digital multimeter for voltage, resistance, and continuity checks
- Wiring diagram for the specific vehicle to trace EGR sensor B circuits
- Socket set and trim removal tools for accessing sensor and module connectors
- Contact cleaner and dielectric grease for connector maintenance



Reading U068E

- U** Network: communication between the vehicle's control modules.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 6** Network communication.
- 8E** The exact fault within that area.

Often seen with

P0400 Exhaust Gas Recirculation Flow Malfunction · **P0401** EGR Flow Insufficient Detected · **P0402** EGR Flow Excessive Detected · **U068D** Lost Communication With EGR Temperature Sensor A · **U068F** Lost Communication With EGR Temperature Sensor C

See it working

Watch the animated explainer [Manual Car Driving Simulator: Learn Clutch Control](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u068e/>

