

GENERIC · NETWORK

U0608

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0608

Lost Communication With Throttle/Pedal Position Sensor/Switch C

U0608 is a generic network communication code indicating that a control module on the vehicle's Controller Area Network (CAN) bus has lost contact with the Throttle/Pedal Position Sensor/Switch C circuit or the module responsible for reporting that sensor's data. The computer detected that expected messages from that sensor or its reporting module stopped arriving within the required time window, which can affect throttle response and pedal-to-engine communication.

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 electronic throttle control warning lamp
- Reduced engine power or limp-home mode with limited throttle response
- Hesitation or delayed acceleration when pressing the accelerator pedal
- Erratic or inconsistent engine idle quality
- Often no symptoms besides the warning light if the fault is intermittent

Common causes, most likely first

- 1 Damaged, chafed, or corroded wiring in the throttle/pedal position sensor circuit
- 2 Loose or contaminated electrical connector at the accelerator pedal position sensor or throttle body
- 3 Faulty throttle/pedal position sensor C or its integrated switch
- 4 Failed or failing electronic throttle control module or powertrain control module
- 5 CAN bus communication fault such as a shorted or open data line affecting the module that reports sensor C
- 6 Low battery voltage or poor grounds disrupting module communication
- 7 Aftermarket electronic accessories improperly tapped into the sensor or CAN wiring



How to diagnose and fix it

- 1 Perform a visual inspection of the accelerator pedal sensor, throttle body, and related harness connectors for looseness, corrosion, or damage
- 2 Check battery voltage and ground connections to ensure stable module power supply
- 3 Use a scan tool to read live data from the throttle/pedal position sensors and compare sensor C readings with expected values through the full pedal travel
- 4 Perform a wiggle test on the sensor harness and connectors while monitoring live data to expose intermittent wiring faults
- 5 Check for continuity and resistance on the sensor C signal, reference, and ground circuits according to the manufacturer's wiring diagram
- 6 Inspect the CAN bus data lines for shorts or opens that could prevent the reporting module from communicating
- 7 Replace the faulty throttle/pedal position sensor or repair the wiring, then clear codes and perform a throttle relearn or idle relearn procedure as required

What U0608 rarely tells you directly

- A loose or corroded connector at the accelerator pedal assembly is a far more common cause of U0608 than a failed sensor, and it often escapes notice because the connector sits out of sight under the dash.
- This code can be set by a communication dropout on the CAN bus rather than by a defective sensor, so replacing the pedal sensor without checking network integrity frequently fails to resolve the fault.
- Intermittent U0608 codes that appear only in cold or damp weather often trace to chafed wiring near a bulkhead grommet or a ground point that corrodes over time.
- A weak battery or failing alternator can produce communication codes like U0608 because modules drop offline momentarily during cranking, so always verify charging system health before condemning a sensor.
- Some vehicles report throttle/pedal position sensor C through a separate module, meaning the actual fault may lie in that module's power or ground circuit rather than in the pedal sensor itself.

Can I keep driving with U0608?

If the vehicle is in limp-home mode with severely limited power, avoid highway driving and move it to a safe location for diagnosis. When only the warning light is present and throttle response feels normal, you may drive cautiously to a repair shop, but do not ignore the code because the fault can worsen without warning.

Tools that help

- OBD-II scan tool with live data capability
- Digital multimeter
- Manufacturer-specific wiring diagram or service information
- Basic hand tools for connector and sensor access
- Battery load tester or charging system tester



Reading U0608

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

Often seen with

P0120 Throttle Position Sensor A Circuit Malfunction · **P0220** Throttle Position Sensor B Circuit Malfunction · **P2135** Throttle/Pedal Position Sensor A/B Voltage Correlation · **U0100** Lost Communication With ECM/PCM A · **U0607** Lost Communication With Throttle/Pedal Position Sensor/Switch

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/u0608/>

