

GENERIC · NETWORK

U0133

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

U0133

Lost Communication with Yaw Rate Sensor Module

U0133 is a network communication fault indicating that the primary control module has lost the controller area network (CAN) signal from the yaw rate sensor module, which measures the vehicle's rotation around its vertical axis for stability control. The computer has detected that the expected periodic messages from this module have stopped arriving, not necessarily that the sensor itself has failed.

SYSTEM Network	CODE TYPE Generic (all makes)	SEVERITY Medium	FIX DIFFICULTY Intermediate	AREA Lost communication with a control module
-------------------------------------	--	--------------------------------------	--	--

Symptoms you may notice

- Anti-lock brake system (ABS) and electronic stability control (ESC) warning lights illuminated on the dashboard
- Traction control system disabled, often with a message on the driver information center
- Cruise control may become inoperative because it relies on stability control inputs
- Vehicle may exhibit reduced handling assistance or default to a conservative stability program
- Often no symptoms besides the warning light, with the vehicle driving normally

Common causes, most likely first

- 1 Damaged or corroded wiring harness or connector at the yaw rate sensor module
- 2 Faulty yaw rate sensor module (internal electronics failure)
- 3 Blown fuse or poor power/ground connection to the yaw rate sensor module
- 4 CAN bus communication line fault (open, short, or excessive resistance) between the module and the network
- 5 Failed or failing primary control module (rare, but possible if other modules also show communication codes)
- 6 Aftermarket accessories or improper electrical repairs introducing interference on the CAN bus



How to diagnose and fix it

- 1 Perform a full scan of all modules to identify any other communication codes and confirm the yaw rate sensor module is the only one missing
- 2 Check the fuse and relay supplying power to the yaw rate sensor module, and inspect the ground connection for corrosion or looseness
- 3 Visually inspect the wiring harness and connector at the yaw rate sensor module for damage, water intrusion, or pushed-out pins
- 4 Measure CAN bus voltage and resistance at the module connector to verify communication lines are intact and within specification
- 5 If wiring and power are good, substitute a known-good yaw rate sensor module and clear the code to see if communication returns
- 6 Repair or replace the faulty wiring harness or connector if a fault is found in the communication lines
- 7 After repair, clear all codes and perform a road test to verify the stability control system initializes and the code does not return

Yaw Sensor Communication Faults You Might Miss

- A loose or corroded ground connection at the yaw rate sensor module is a frequent culprit that mimics a failed sensor, so always check grounds before condemning the module.
- U0133 can be set by a low battery or charging system issue that causes momentary voltage drops, so verify battery health and charging voltage before diving into network diagnostics.
- The yaw rate sensor is often integrated into the airbag control module or a combined sensor cluster on some vehicles, so a code for the yaw sensor may actually point to a different module than expected.
- Aftermarket electronic accessories, such as dash cams or alarm systems, tapped into the CAN bus can introduce interference that disrupts communication and sets U0133 without any hard wiring fault.
- A failed yaw rate sensor module does not always cause a noticeable driving symptom because the stability control system may default to a safe mode, so the warning light is often the only clue.

Can I keep driving with U0133?

You can usually continue driving with U0133 because the vehicle remains controllable, but the stability control and anti-lock brake systems may be disabled, reducing safety in emergency maneuvers. Avoid aggressive driving, towing, or driving in slippery conditions until the fault is repaired, and have the system diagnosed promptly.



Tools that help

- OBD-II scan tool with CAN bus capability and module communication access
- Digital multimeter for voltage, resistance, and continuity checks
- Wiring diagram for the specific vehicle to locate yaw rate sensor module circuits
- Socket set and trim removal tools to access the yaw rate sensor module
- CAN bus breakout box or oscilloscope for advanced signal analysis

Reading U0133

U Network: communication between the vehicle's control modules.

0 Generic (SAE) code: it means the same thing on every OBD-II vehicle.

1 Lost communication with a control module.

33 The exact fault within that area.

Often seen with

C0050 Right Rear Wheel Speed Sensor Circuit Malfunction · **C0110** ABS Pump Motor Circuit Malfunction · **U0100** Lost Communication With ECM/PCM A · **U0122** Lost Communication With Vehicle Dynamics Control Module · **U0125** Lost Communication With Multi-axis Acceleration Sensor Modul

See it working

Watch the animated explainer [How a MAP Sensor Works: Engine Vacuum and Load](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/u0133/>

