

GENERIC · POWERTRAIN

P0467

OBD-II DIAGNOSTIC TROUBLE CODE (DTC)

P0467

EVAP Purge Flow Sensor Circuit Low

P0467 indicates that the powertrain control module (PCM) has detected a low-voltage condition on the evaporative emission (EVAP) purge flow sensor circuit. This sensor, often a differential pressure or flow sensor, monitors the actual flow of fuel vapor from the EVAP canister to the intake manifold during purge events, and the PCM sets this code when the sensor signal falls below the expected threshold, indicating a short to ground, an open circuit, or a faulty sensor.

SYSTEM

Powertrain

CODE TYPE

Generic (all makes)

SEVERITY

Low

FIX DIFFICULTY

Intermediate

AREA

Auxiliary emission controls

Symptoms you may notice

- Illumination of the check engine light (malfunction indicator lamp) on the dashboard.
- Often no noticeable drivability symptoms, as the EVAP system primarily controls emissions.
- A slight fuel odor may be present if the purge system is not functioning correctly.
- In some cases, a rough idle or hesitation may occur if the purge valve is stuck open or closed.
- Increased evaporative emissions, which may be detected during an emissions inspection.

Common causes, most likely first

- 1 Faulty EVAP purge flow sensor (internal short or failure).
- 2 Damaged or disconnected wiring in the purge flow sensor circuit (short to ground or open).
- 3 Corroded or loose electrical connector at the purge flow sensor.
- 4 Failed purge solenoid valve causing incorrect flow readings.
- 5 Leaking or blocked EVAP hose or canister, affecting flow sensor readings.
- 6 PCM internal fault (rare) misinterpreting the sensor signal.



How to diagnose and fix it

- 1 Use an OBD-II scanner to retrieve the code and freeze-frame data, then visually inspect the purge flow sensor and its wiring for obvious damage.
- 2 Check the sensor's electrical connector for corrosion, tightness, and proper pin fit; clean or repair as needed.
- 3 Measure the sensor's reference voltage and ground at the connector with a digital multimeter (DMM) to verify the circuit integrity.
- 4 Test the purge flow sensor's signal output with a DMM or oscilloscope while commanding the purge valve on and off with a scan tool.
- 5 Inspect the EVAP purge solenoid for proper operation and verify that it opens and closes when commanded.
- 6 If the sensor or wiring is faulty, replace the purge flow sensor or repair the affected wiring harness.
- 7 Clear the code and perform a drive cycle to confirm the repair; if the code returns, further diagnose the PCM or EVAP system.

Don't overlook the purge solenoid

- A stuck-closed purge solenoid can cause the flow sensor to read low, leading to a P0467 even when the sensor itself is good.
- Corroded wiring at the sensor connector is a frequent cause that is often missed during visual inspections.
- The code can be set by a temporary low-voltage condition, such as a weak battery, so check the charging system before replacing parts.
- Some vehicles use a combined purge flow sensor and solenoid assembly, so a failure in either component may require replacing the entire unit.
- A P0467 does not always mean the sensor is defective; a leaking EVAP hose can alter flow readings and trigger the code.

Can I keep driving with P0467?

The vehicle is generally safe to drive with a P0467 code, as it primarily affects emissions and not engine performance. However, avoid ignoring the check engine light, and address the issue promptly to prevent potential EVAP system damage or emissions test failure.

Tools that help

- OBD-II scanner with live data and bidirectional control capabilities
- Digital multimeter (DMM)
- Hand tools for connector and component removal
- Vacuum pump or smoke machine for EVAP system testing
- Wiring diagram for the specific vehicle



Reading P0467

- P** Powertrain: engine, transmission and emissions.
- 0** Generic (SAE) code: it means the same thing on every OBD-II vehicle.
- 4** Auxiliary emission controls.
- 67** The exact fault within that area.

Often seen with

P0440 Evaporative Emission Control System Malfunction · **P0442** EVAP System Leak Detected (Small) · **P0446** EVAP Vent Control Circuit Malfunction · **P0455** EVAP System Leak Detected (Large) · **P0496** Evaporative Emission System High Purge Flow

See it working

Watch the animated explainer [How a Boxer Engine Works: Flat Engine Cutaway](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p0467/>

