



P00FE

EVAP System Tank Vapor Line Restricted/Blocked

P00FE means the engine computer has detected a restriction or blockage in the vapor line that carries fuel tank vapors toward the EVAP canister. The computer typically infers this from abnormal pressure behavior during a tank venting or purge self-test, not from a dedicated flow sensor.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Generic (all makes)	Low	Intermediate	Fuel and air metering and auxiliary emission controls

Symptoms you may notice

- Illuminated check engine light, often with no other symptoms besides the warning light
- A slight fuel smell around the rear of the vehicle or near the fuel filler
- Difficulty or unusual resistance when refueling, such as the pump nozzle clicking off early
- A faint hiss or whoosh when removing the fuel cap, indicating tank pressure is not venting normally
- Rough idle or stumble after refueling on some vehicles if the purge system is affected
- Failed emissions inspection readiness for the EVAP monitor

Common causes, most likely first

- 1 A kinked, pinched, or crushed vapor hose between the fuel tank and the EVAP canister
- 2 A blocked or saturated EVAP canister restricting vapor flow through the tank vapor line
- 3 A stuck-closed or blocked fuel tank pressure relief or rollover valve
- 4 A blocked vapor line caused by debris, mud, or a spider nest in the vent path
- 5 A restricted or failed fuel tank pressure sensor giving false restriction readings
- 6 A stuck-closed EVAP vent solenoid or canister close valve preventing normal venting
- 7 A collapsed or internally deteriorated vapor line that looks fine from the outside



How to diagnose and fix it

- 1 Inspect the entire tank vapor line and EVAP hose routing for kinks, pinches, or physical damage
- 2 Check the fuel tank pressure sensor reading and compare it to expected values during a vent test
- 3 Command the EVAP vent solenoid and canister close valve with a scan tool to confirm they open and close
- 4 Perform a smoke test on the EVAP system to look for blockages as well as leaks
- 5 Disconnect the vapor line at both ends and check for flow by blowing low-pressure air through it
- 6 Inspect and test the fuel tank pressure relief and rollover valves for sticking or blockage
- 7 Replace the restricted vapor line or blocked component, then clear codes and run the EVAP monitor to verify

Why a blocked vapor line is often misdiagnosed

- A restriction in the tank vapor line can mimic a large EVAP leak because the computer sees pressure that will not bleed off during a vent test.
- Many technicians replace the canister or purge valve first, but a pinched rubber hose above the fuel tank is a common and easily overlooked cause.
- The code can set from a spider nest or mud dauber plugging the vent filter or line, especially on vehicles parked outdoors for long periods.
- A fuel tank pressure sensor that reads slightly off can trigger P00FE without any actual blockage, so always compare sensor values to a mechanical gauge.
- After refueling, a blocked vapor line can pressurize the tank and cause the engine to run rich briefly when the purge valve opens.

Can I keep driving with P00FE?

The vehicle is generally safe to drive with P00FE because it does not affect engine operation or safety systems, but avoid topping off the fuel tank and address the fault soon to prevent EVAP system damage and emissions test failure.

Tools that help

- Scan tool with bidirectional EVAP controls
- Smoke machine
- Hand vacuum pump
- Fuel tank pressure gauge
- Basic hand tools and hose clamp pliers



Reading P00FE

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

Often seen with

P0446 EVAP Vent Control Circuit Malfunction · **P0451** Evaporative Emission System Pressure Sensor/Switch Range/Per · **P0452** Evaporative Emission System Pressure Sensor/Switch Low · **P0453** Evaporative Emission System Pressure Sensor/Switch High · **P0455** EVAP System Leak Detected (Large)

See it working

Watch the animated explainer [How a Starter Motor Works: Pre-Engaged Starter](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/p00fe/>

