



P1441 · Jaguar ELC System 1

P1441 on a Jaguar indicates that the Evaporative Loss Control (ELC) system, specifically its purge or leak detection circuit, has failed a self-test monitored by the engine control module. The computer typically detects an unexpected pressure or flow condition in the fuel vapor system, such as a stuck purge valve or a large leak, and logs the code when the fault persists across two consecutive drive cycles.

SYSTEM	CODE TYPE	SEVERITY	FIX DIFFICULTY	AREA
Powertrain	Jaguar specific	Low	Intermediate	Auxiliary emission controls

Symptoms you may notice

- Illumination of the check engine light, often with no other noticeable symptoms
- A faint fuel odor around the rear of the vehicle or in the engine bay after parking
- Rough idle or slight hesitation when the purge valve is commanded open
- Difficulty refueling or a hissing sound when removing the fuel cap
- Intermittent warning light that clears after several drive cycles
- Slightly increased fuel consumption in some cases

Common causes, most likely first

- 1 Faulty evaporative purge valve (stuck open or closed)
- 2 Leaking or loose fuel filler cap
- 3 Cracked or disconnected EVAP hose or purge line
- 4 Failed fuel tank pressure sensor giving false readings
- 5 Leaking charcoal canister or canister purge line
- 6 Corroded or damaged wiring to the purge valve or pressure sensor
- 7 Engine control module software issue or faulty ECM driver for the purge circuit



How to diagnose and fix it

- 1 Check the fuel filler cap for tightness, cracks, or a damaged seal and replace if suspect
- 2 Inspect all visible EVAP hoses and lines for cracks, splits, or disconnections and repair as needed
- 3 Use a scan tool to command the purge valve open and closed while listening for a click and checking for vacuum at the valve
- 4 Measure resistance of the purge valve solenoid and compare to Jaguar specifications; replace if out of range
- 5 Perform a smoke test on the EVAP system to locate any leaks not visible to the eye
- 6 Check the fuel tank pressure sensor signal with a scan tool while applying vacuum to the system
- 7 Inspect wiring and connectors at the purge valve and pressure sensor for corrosion or damage, and repair as required

Before you replace the purge valve

- A loose or aftermarket fuel cap is the most common cause of P1441 on Jaguars, so always verify the cap seals correctly before condemning any component.
The code can be set by a purge valve that is electrically sound but mechanically stuck, so a resistance check alone will not always catch the fault.
- Jaguar's EVAP monitor runs only under specific conditions, so the light may clear itself after several trips even though the underlying leak remains.
- A smoke test is far more reliable than a visual inspection for finding small leaks in the charcoal canister and lines that are hidden from view.
Some aftermarket scan tools misreport P1441 as a different EVAP code on Jaguars, so confirm the code with a Jaguar-compatible diagnostic platform.

Can I keep driving with P1441?

You can generally continue driving with P1441 because it does not affect engine safety or performance, but avoid topping off the fuel tank and have the system checked soon to prevent a small leak from becoming a larger one.

Tools that help

- OBD-II scan tool with Jaguar-specific software
- Hand vacuum pump
- Smoke machine
- Digital multimeter
- Socket set and screwdrivers



Reading P1441

- P** Powertrain: engine, transmission and emissions.
- 1** Manufacturer-specific code (Jaguar): its meaning depends on the make.
- 4** Auxiliary emission controls.
- 41** The exact fault within that area.

Often seen with

P0442 EVAP System Leak Detected (Small) · **P0443** EVAP Purge Control Valve Circuit Malfunction · **P0453** Evaporative Emission System Pressure Sensor/Switch High · **P0455** EVAP System Leak Detected (Large) · **P0456** Evaporative Emission System Leak Detected (very small leak)

See it working

Watch the animated explainer [Four-Stroke Engine Cutaway: Intake to Exhaust](#) on Auto Veteran to see the parts involved moving.

Full guide, related articles and animations: <https://www.autoveteran.tech/dtc-codes/jaguar-p1441/>

