

P0441: EVAPORATIVE EMISSION CONTROL SYSTEM INCORRECT PURGE FLOW

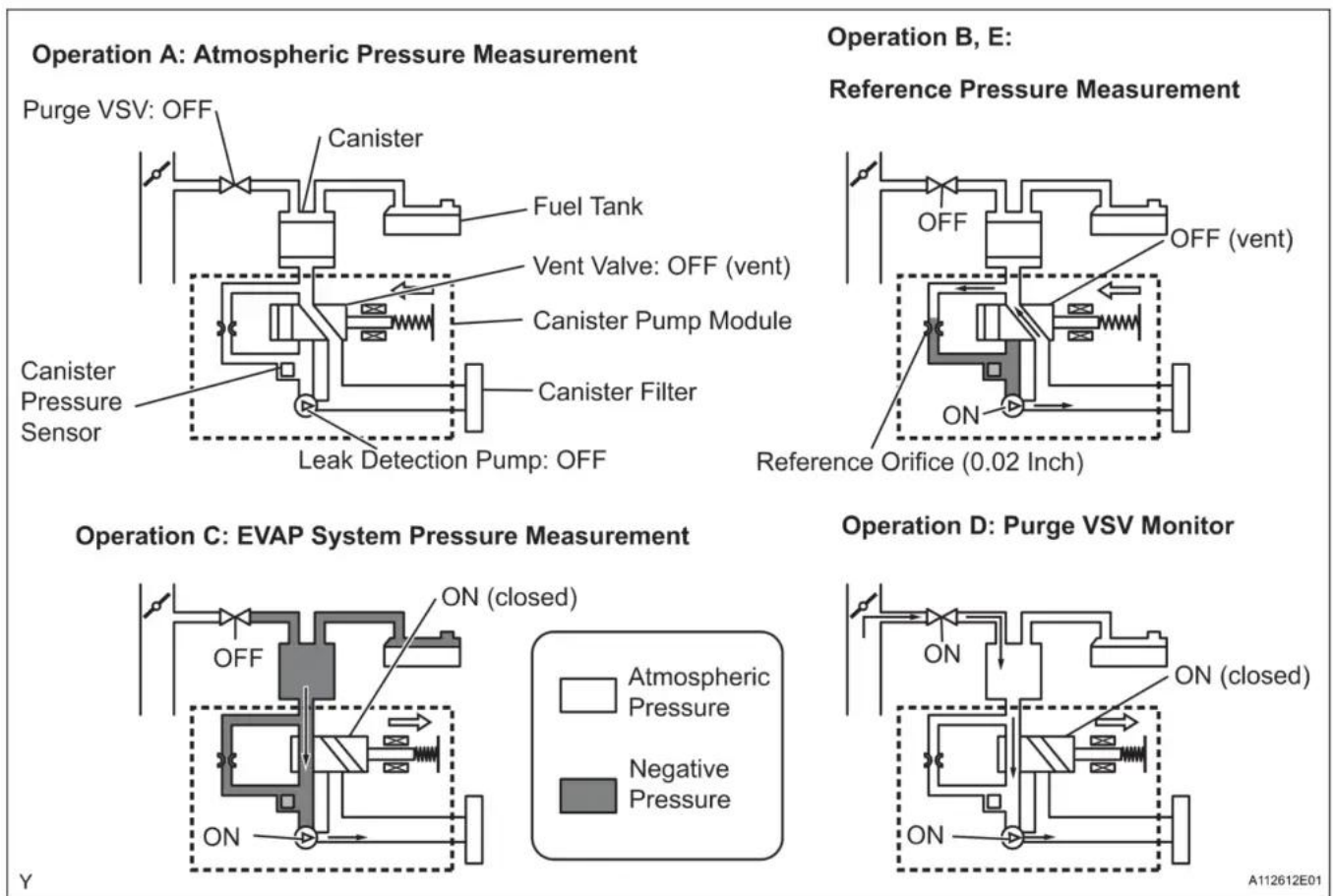
OVERVIEW

Severity	:	<div><div>Low</div></div>
DIY Difficulty Level	:	<div><div>Beginner</div></div>
Repair Cost	:	\$150-\$300
Can I Still Drive?	:	Yes

What Does The P0441 Code Mean?

This indicates that a part of the EVAP control system is no longer functioning correctly. The EVAP system consists of many parts, including (but not limited to) the gas cap, fuel lines, carbon canister, purge valve, and other hoses. The (EVAP) emission control system prevents the escape of fuel vapors from a vehicle's fuel system. Fuel vapors are routed by hoses to a charcoal canister for storage. Later, when the engine is running a purge control valve opens allowing intake vacuum to siphon the fuel vapors into the engine.

EVAP emission canister purge is controlled by a valve which allows engine vacuum to pull stored fuel vapors from fuel tank into the engine to be burned, rather than be vented to atmosphere. A vacuum switch is used to detect when flow exists. If the PCM commands purge and sees that the switch is closed (indicating no detected purge flow) P0441 is set.



P0441 wiring diagram

What Are The Symptoms Of The P0441 Code?

Likely, no symptoms will be discernible to the driver, other than the illuminated Check Engine Light.

What Are The Potential Causes Of The P0441 Code?

A code P0441 could mean one or more of the following has happened:

- Bad vacuum switch
- Broken or damaged EVAP line or canister
- Open in PCM purge command circuit
- Open or short in Voltage feed circuit to Purge Solenoid
- Faulty purge solenoid
- Restriction in EVAP solenoid, line or canister
- Corrosion or resistance in purge connector
- Bad PCM

How Can You Fix The P0441 Code?

With a P0441 OBD-II trouble code, diagnosis can be tricky at times. Here are some things to try:

- Common Chrysler fix – Replace Leak Detection Pump / LDP
- Repair damaged EVAP lines or canister
- Repair open or short in voltage feed circuit to Purge Solenoid
- Repair open in PCM purge command circuit
- Replace purge Solenoid
- Replace vacuum switch
- Repair restriction in Evap line or canister or solenoid
- Repair resistance in purge connector
- Replace PCM

Other EVAP DTCs: [P0440](#)– [P0442](#)– [P0443](#)– [P0444](#)– [P0445](#)– [P0446](#)– [P0447](#)– [P0448](#)– [P0449](#)– [P0452](#)– [P0453](#)– [P0455](#)– [P0456](#)

Reference Sources

[Diagnostic Chart with Trouble Code for LHD Vehicles for P0441](#) - Pages 118-119.