



TECH TIP

Transaction No: 2057754/1

01-19-09TT - EVAP Fault(s) P0442, P0456, P0441, P0496, Present After Software Update

Release date: 11/22/2019

Condition

ATTENTION:

**THIS IS A TECH TIP, NOT A TECHNICAL BULLETIN.
TECH TIPS ARE NOT ASSOCIATED WITH WARRANTY CLAIMING.**

Applicable Vehicles

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Atlas	2018 - 2019	3.6L (CDVC)	All	All	All

Revision Table

Instance Number	Published Date	Version Number	Reason For Update
2057754/1	11/22/19	01-19-09	Original publication.

Technical Background

Diagnostic Trouble Codes (DTCs) found stored in the ECM after the software update.

DTC	Description
P0441	EVAP Emission Contr.Sys.Incorrect Purge Flow
P0442	EVAP Emission Contr.Sys.(Small Leak) Leak Detected
P0456	EVAP Emission Contr. Sys. (very small Leak) Leak Detected
P0496	EVAP System High Purge Flow

Service

With pressure on the fuel system:

- Leak test the EVAP system using soapy water on the hose connections at the top of the fuel tank.

One common leak frequently found is by pulling the rubber boot in the fuel filler door and checking the connections located there (canister breather line and filler neck collar).

- Remove and shake the charcoal canister to check for a rattle.
- Disconnect the EVAP line running to the **-N80-** EVAP Canister Purge Regulator Valve 1 in the engine compartment and tap it on a piece of white paper to check for charcoal particles.

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If particles are found, or the carbon canister is rattling:

- Replace the **-N80-**, Charcoal canister and blow out the line with compressed air to clear debris before assembly.

If no debris or charcoal canister rattling is identified:

- Vacuum test the **-N80-**, replace if found suspect.

If all testing has passed:

- Check the wiring and connections to the DMTL, **-J909-** Fuel Tank Leak Detection Control Module.
- Replace the **-J909-** Fuel Tank Leak Detection Control Module if no concerns found.

Additional Information

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