

Powertrain Management: All Technical Service Bulletins Stalls/Runs Out of Fuel While Gauge Shows Fuel Remaining

File In Section: 6E - Engine Fuel & Emission

Bulletin No.: 67-65-19

Date: July, 1996

Subject:
Vehicle Stall or Runs Out of Fuel While Gauge Shows Fuel Remaining (Repair/Replace Fresh Air Hose/Canister and Bracket)

Models:
1994-95 Buick Roadmaster
1994-95 Cadillac Fleetwood
1994-95 Chevrolet Caprice, Impala SS
with 4.3L, 5.7L Engines (VINs W, P - RPOs L99, LT1)

Condition

Some vehicles may stall or run out of fuel but fuel gauge shows fuel remaining.

Cause

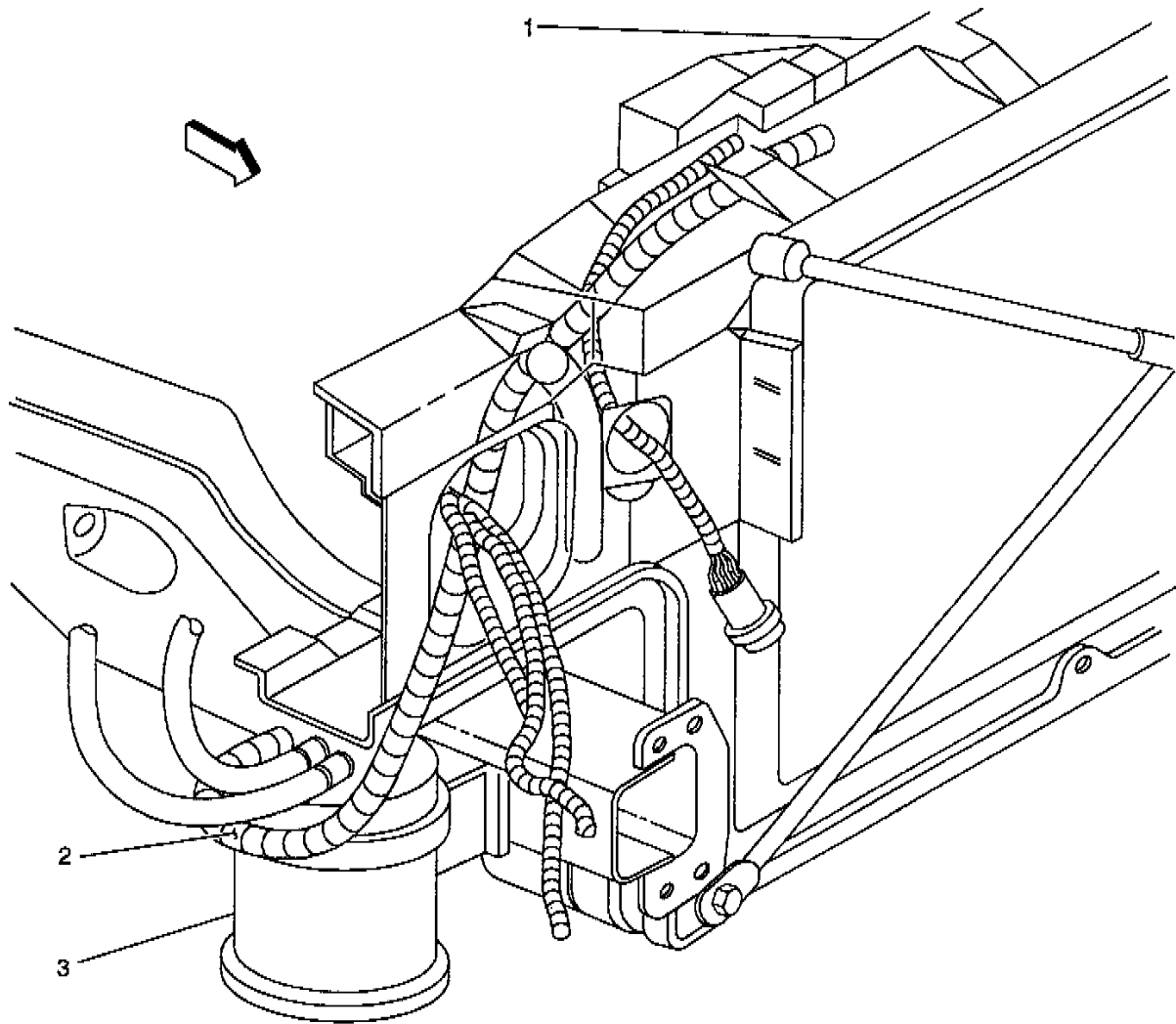
The fuel vapor canister fresh air system may be restricted.

Correction

Check for restrictions in the fuel vapor fresh air system.

1. Remove both vacuum lines from the EVAP canister purge solenoid, connect them together and tee in a vacuum gauge. The solenoid is located on the RH (Right Hand) side of the intake manifold near the number four injector.
2. Start the engine and let it idle. **Note:** The engine may stall until all the fuel vapors are drawn out of the canister.
3. Observe the vacuum gauge, if more than 16 inches of vacuum is indicated, then there is a restriction either in the canister or the fresh air hose.
4. Inspect the fresh air hose for kinks or possible restrictions. If any are found, correct where needed. If the fresh air hose is damaged, replace it.

Figure 1



Legend

- 1. Radiator Support
- 2. Fresh Air Hose
- 3. Fuel Vapor Canister

5. If the fresh air hose is located in the RH fender well, relocate it to the front radiator support area. See Figure 1.
6. If the fresh air hose is not kinked or damaged and there is still a restriction, replace the canister and bracket.

Parts Information

Part Number	Description
12553048	Canister Bracket
17113148	Canister
12554296	Fresh Air Hose

Parts are currently available from GMSPO.

Labor Operation	Labor Time
L0600 Canister Bracket	Use published labor operation time.
L0620 Fuel Vapor Canister	

