



Bulletin No.: PIP6003E

Published date: 03/18/2025

Preliminary Information

PIP6003E MIL Potential Stall No Start and/or DTCs P0089 P00C6 P228C P2C1F

Product Investigation Review Required

Models

Brand:	Model:	Model Years:	VIN: from to	Engine:	Transmissions:
Chevrolet	Equinox	2023 - 2024	All All	1.5 LSD	All
GMC	Terrain	2023 - 2024	All All	1.5 LSD	All

Involved Region or Country	North America
Condition	MIL illuminated, potential stall no start condition.
Cause	Potential high pressure pump and injector internal concern P0089, P228C, P00C6, P2C1F may be stored current or history.

Diagnostic Tips:

Technicians are to perform the following diagnostic steps.

Reviewing and following all published documentation, procedures, and tool usage is important for the success of all repairs performed:

If P2C1F is set with other DTC's please review and follow document ID 6286862 .

Confirm that the fuel feed line engine is properly oriented using SI document ID 6085710.

Verify fuel Hz reading and physical sample condition using SI document ID 5908954 and correct as necessary.

Using SI document ID: 6275090:

Perform a cold engine AFIT test and document results. If the injectors fail AFIT test, replace suspected injector(s). To test a cold engine using the AFIT tool please perform the following:

When the screen appears asking if the engine will start and run, select "no". This will bypass the 60 second run time eliminating the possibility of the engine or fuel system warming up so a true cold engine test can be performed.

Perform a hot engine AFIT test and document results. If the injectors fail AFIT test, replace suspected injector(s).

Contact TAC to assist in interpreting results.

If the injectors pass AFIT test, review and replace the High Pressure fuel pump and one time use parts using SI document 6169191 following ALL steps and utilizing all required TOOLS.

Inspect the catalytic converter for any concerns from an over fueling condition.

After repair please complete a full drive cycle at a minimum test drive of 10 miles and recheck for concerns.

Parts Information

Use the vehicle identification number (VIN), SI, and the GM Electronic Parts Catalog to determine the correct part to order.

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
4021890	Fuel injection pump replacement	See Labor Time Guide
4022330	Fuel injector replacement	See Labor Time Guide

Version History

Version	5
Modified	09/04/2024 - Created on. 09/12/2024 - Updated diagnostic steps. 09/25/2024 - Updated to correct labor operation. 12/16/2024 - Updated Diagnostic Tip and Warranty. 02/25/2025 - Updated Diagnostic Tip. 03/18/2025 - Updated Diagnostic Tip.