



Preliminary Information

PIP5929B Diagnostic Tip for DTC P219A Setting with No Other Drivability Symptoms

Models

Brand:	Model:	Model Years:	VIN: from to	Engine:	Transmissions:
Buick	Encore GX	2020 - 2025	All	All 1.2L LIH and LBP	All
Chevrolet	Trailblazer	2021 - 2025	All	All 1.2L LIH and LBP	All
Chevrolet	Trax	2024 - 2025	All	All 1.2L LIH and LBP	All

Involved Region or Country	North America
Condition	MIL on with P219A stored in history.
Cause	Potential fuel injector issue.

Correction:

Diagnose any DTCs related to the following systems or components first.

- B23 Camshaft Position Sensor
- B34 Engine Coolant Temperature Sensor
- B52 Heated Oxygen Sensor
- B66 Intake Air Temperature Sensor
- B74 Manifold Absolute Pressure Sensor
- B75C Multifunction Intake Air Sensor
- Q17 Fuel Injector
- Q38 Throttle Body

Confirm that only the P219A is set and that no drivability concerns exist.

Perform SBD by verifying the following conditions do not exist:

- Exhaust System — Leaking / Missing components / Restricted » Refer to: Symptoms - Engine Exhaust
 - Fuel — Contaminated / Poor Quality — Refer to: Alcohol/Contaminants-in-Fuel Diagnosis
 - Fuel Injectors — Leaking / Restricted » Refer to: Fuel Injector Diagnosis
 - Ignition System — Malfunction » Refer to: Electronic Ignition System Diagnosis
 - Intake Air Duct — Leaking / Loose Clamps / Poor Connection / Restricted / Visible Damage
 - Intake Manifold — Vacuum leak
 - Mass Airflow Sensor — Contamination of the measuring element / Water intrusion
 - Mechanical Condition at Engine — Altered air flow
- For example:
- Exhaust Port or Intake Port at Cylinder Head — Casting Flash / Restrictions
 - Exhaust Valve or Intake Valve — Leaking / Stuck
 - Intake Manifold — Casting Flash / Restrictions / Vacuum leak
 - Positive Crankcase Ventilation System — Incorrect connection / Leaking / Restricted »
 - Vacuum Hoses — Incorrect connection / Kinked / Leaking / Restricted

If unable to isolate the concern, replace the Fuel Injection Rail Assembly including all three fuel injectors.

Road test to confirm the repair.

Version History

Version	3
Modified	6/16/2023 - Created. 12/16/2024 Updated Models and RPO code. 01/17/2025- Updated Models and RPO code.