



**Bulletin No.:** PIP5929B  
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## Preliminary Information

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

#### Models

<b>Brand:</b>	<b>Model:</b>	<b>Model Years:</b>	<b>VIN: from to</b>	<b>Engine:</b>	<b>Transmissions:</b>
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	

<b>Involved Region or Country</b>	North America
<b>Condition</b>	MIL on with P219A stored in history.
<b>Cause</b>	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

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