



Preliminary Information

PIP5849 LUV/LUJ Intermittent P0299 Codes

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	Encore	2013 - 2022	All	All	1.4L LUV	All
Chevrolet	Cruze	2011 - 2016	All	All	1.4L LUV	All
Chevrolet	Cruze	2011 - 2016	All	All	1.4L LUJ	All
Chevrolet	Sonic	2012 - 2020	All	All	1.4L LUV	All
Chevrolet	Trax	2013 - 2022	All	All	1.4L LUV	All

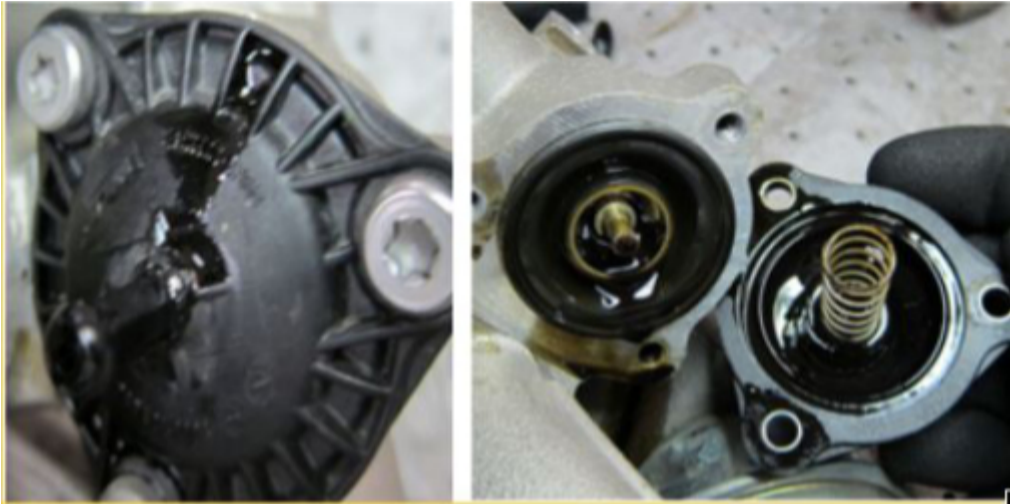
Involved Region or Country	North America
Condition	<p>Some customers may comment that when driving their vehicle may experience one or several of the following conditions:</p> <p>Loss of power. Smoke out the tail pipe. Hesitation on acceleration. Stalling condition. Burning oil odor possibly caused by oil leak. May also notice a Malfunction Indicator Lamp illuminated. After driving for a period, the drivability issues seem to diminish. Malfunction Indicator Lamp (MIL) Illuminated. This condition may also cause an increase in crankcase pressure, creating oil leaks at seals and gaskets.</p> <p>The technician may find one or more of the following DTCs set:</p> <p>P0299 P00C7 P0234 P2227 P2261</p>
Cause	This condition may be caused by contamination (Water/oil/Sludge) at Charge Air Bypass Valve

**Correction:**

If contamination (water /oil/sludge) at Charge Air Bypass Valve found, then clean the Charge Air Bypass Valve

**Turbocharger and Intake Manifold and Cylinder Head Inspection**

1. Inspect the Charge Air Bypass Valve for oil/water/sludge build-up in the vacuum side port.



2. If found oil/water build-up in the valve port, disassemble, and clean the components. Refer to Charge Air Bypass Valve Replacement in SI. Only if necessary, replace the components (Charge Air Bypass Valve if required).

3.Desired boost pressure vs actual boost pressure not within limits and no trouble found on waste gate actuator or No excessive play / no damage from turbocharger - Then do not replace turbocharger clean the Charge Air Bypass Valve retest inspect the intake manifold.

4.Remove the intake manifold. Refer to *Intake Manifold Replacement* in SI. Inspect and clean as needed.

5. Inspect the vacuum ports of the intake manifold for water/oil accumulation.

6. Clean any sludge/water/carbon out from Cylinder head and Cam cover and PCV pipes

**Version History**

Version	1
Modified	04/20/2022 - Created on.

