



Service Bulletin

Bulletin No.: PIE0503

Date: February, 2019

ENGINEERING INFORMATION

Subject: Engineering Information – Reduced Engine Power, DTC P0299 Set

Attention: Proceed with this EI ONLY if the customer has commented about this concern AND the PIE number is listed in the Global Warranty Management / Investigate History link (GWM/IVH). If the customer has not commented about this condition or the EI does not show in GWM/IVH, disregard the PI and proceed with diagnostics found in published service information. THIS IS NOT A RECALL — refer to the latest version of Service Bulletin 04-00-89-053 for more details on the use of Engineering Information bulletins.

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Buick	Encore	2015	2019			Equipped with 1.4L Engine (RPO LUV)	Equipped with TRANSMISSION-AUTO 6 SPD, TRANSMISSION-MAN 6 SPD (RPOs MNK, MR5)
Cadillac	XT4	2019				Equipped with 2.0L Engine (RPO LSY)	Equipped with TRANSMISSION-AUTO 9 SPD (RPO M3H)
Chevrolet	Sonic	2015				Equipped with 1.4L Engine (RPO LUV)	TRANSMISSION-AUTO 6 SPD, TRANSMISSION-MAN 6 SPD (RPOs MNK, MR5)
	Trax						
	Equinox	2018				Equipped with 1.5L, 2.0L Engines (RPOs LYX, LTG)	Equipped with TRANSMISSION-AUTO 9 SPD (RPOs M3H, M3D)
	Silverado 1500 (New Model)	2019				Equipped with 2.7L Engine (RPO L3B)	Equipped with TRANSMISSION-AUTO 8 SPD (RPO MQE)
GMC	Terrain	2018				Equipped with 1.5L, 2.0L Engines (RPOs LYX, LTG)	Equipped with TRANSMISSION-AUTO 9 SPD (RPOs M3H, M3D)
	Sierra 1500 (New Model)	2019				Equipped with 2.7L Engine (RPO L3B)	Equipped with TRANSMISSION-AUTO 8 SPD (RPO MQE)

Involved Region or Country	North America
Condition	Important: If the customer did not bring their vehicle in for this concern, DO NOT proceed with this EI. Some customers may comment on reduced engine power. Note: While operating for extended periods in very cold weather, the vehicle may experience ice growth blocking the inside of the charge air cooler. A technician may find DTC P0299 set or stored in history.
Cause	GM Engineering is attempting to determine the root cause of the above condition. Engineering has a need to gather information on vehicles PRIOR to repair that may exhibit this condition. As a result, this information will be used to "root cause" the customer's concern and develop/validate a field fix.

Correction

If you encounter a vehicle with the above concern, perform the following steps and contact the engineers listed below with your findings.

Note: Prior to calling, ensure the vehicle has gone through the following bulletins (if applicable), and is up to date:

- Equinox, Terrain: 18-NA-020
 - Malibu: 18-NA-069
 - Trax and Encore - LUV engine: 16-NA-405; LE2 engine: 17-NA-221; Special Coverage# 17157
1. Ambient temperature, precipitation conditions, and vehicle speeds preceding and during the P0299 / reduced engine power event
 2. Airbox filter element condition, photograph of any moisture present in box
 3. Charge air cooler moisture content - thaw, drain, measure
 4. Boost (TIAP) sensor contamination - remove, photograph (before thawing if possible), clean before reassembly
 5. Driving conditions prior to the incidents:
 - Brief daily driving description (distance, normal speed, highway / local, overnight parking indoor/outdoor)

Contact Information

Engineer Name	Phone Number
Rolf Karlsson	(248) 228-0285
Bin Li	(248) 309-1419

Please include the following information if leaving a message:

- Technician name
- Dealer name and phone number
- Complete VIN and repair order (R.O) number

On the repair order, document the date and time the call was placed (even if the engineer was not reached).

If engineering is unable to return the call within one hour, proceed with diagnosis and repair based on information found in SI.

Warranty Information

If engineer was contacted or required information was provided, use:

Labor Operation	Description	Labor Time
4481998*	Engineering Information – Reduced Engine Power, DTC P0299 Set	0.5 hr
*This is a unique Labor Operation for Bulletin use only.		