Bulletin No.: PIP5472D
Published date: 01/3/2018

Preliminary Information

PIP5472D Short Duration Misfire - Rough Idle - MIL On During Cold Start - P050D

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Buick	Encore	2016 - 2018	All	All	1.4L (RPO LE2)	All
Chevrolet	Cruze	2016 - 2018	All	All	1.4L (RPO LE2)	All
Chevrolet	Equinox	2018	All	All	1.5L (RPO LYX)	All
Chevrolet	Malibu	2016 - 2018	All	All	1.5L (RPO LFV)	All
Chevrolet	Spark	2016 - 2018	All	All	1.4L (RPO LV7)	All
Chevrolet	Volt	2016 - 2018	All	All	1.5L (RPO L3A)	All
GMC	Terrain	2018	All	All	1.5L (RPO LYX)	All

Involved Region or Country	North America
Condition	Short duration cold start rough idle, MIL on, P050D with or without P0300 at ambient temperatures between -10C and +5C (14F to 41F).
Cause	If the SI diagnostic fails to isolate a fuel system component concern, then one or more exhaust SHLA's (Stationary Hydraulic Lash Adjuster) may not bleed off the cold, thick engine oil, causing the exhaust valve not to seal the cylinder for a short duration during cold starts.

Correction:

If you encounter the P050D with misfires that occur only during the first 15 to 30 seconds of cold start, perform the P050D diagnostic in SI.
If the diagnostic fails to isolate a fuel system component concern, then replace all Exhaust SHLA's. (Stationary Hydraulic Lash Adjuster)
Do not replace the intake side SHLA's as a slow leak rate on the intake side will not cause this issue.
Repair Verification requires a cold start.
After SHLA replacement, following a cold soak at ambient temperatures between -10C and +5C (14F to 41F) start the engine and retest for short duration misfires or the P050D.

Warranty Information

Labor Operation	Description	Labor Time
4061270	Hydraulic Valve Lash Adjuster Replacement	Use Published Labor Operation Time

Version History

Version	5
	2/23/2017 - to add 2016-2017 Chevrolet Volt to models list.
	3/09/2017 - to add 2018 to all models.
	12/11/2017 - to add 2018 GMC TERRAIN.
	12/26/17 - to advise tech to perform P050D diagnostic prior to following this PI.