



Preliminary Information

PIP5582 Malfunction Indicator Lamp (MIL) Illuminated with DTC P0300

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado	2017 - 2018	All	All	6.6 L5P	All
GMC	Sierra	2017 - 2018	All	All	6.6 L5P	All

Involved Region or Country	North America
Condition	Some customers may comment on a rough running engine with the Malfunction Indicator Lamp (MIL) on. Upon inspection, a technician may find DTC P0300 (Engine Misfire Detected) set in the Engine Control Module (ECM) along with a misfire in one or more cylinders. Technicians may find misfires on paired or grouped cylinders. Cylinder groupings are #1 and #4, #2 and #5, #6 and #7, #3 and #8.
Cause	The Engine Control Module (ECM) supplies voltage to each fuel injector on the high control circuits. The ECM energizes each fuel injector by grounding the low control circuit of that fuel injector. The ECM monitors the status of the high control circuits and the low control circuits. The injectors are separated into the following four groups: • Group 1 – Injectors 1 and 4 • Group 2 – Injectors 2 and 5 • Group 3 – Injectors 6 and 7 • Group 4 – Injectors 3 and 8 When the ECM detects the fuel injector driver state and actual state do not match, the affected group of fuel injectors is disabled.

Correction:

If misfires on grouped injectors are found, refer to testing and diagnostics found in Service Information Document ID: 4489154 for DTC P2147, P2148, P2150, P2151, P2153, P2154, P2156, or P2157.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4086398	Perform Injector Circuitry Diagnosis	0.3 HRS
*This is a unique Labor Operation for Bulletin use only .		

Version History

Version	1
Modified	09/05/2018 - Created



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