



Preliminary Information

PIP5843A Information on Malfunction Indicator Lamp (MIL) Illuminated During Cold Ambient Temperatures with DTCs P30C3 and/or P30BF P30C7 P30CB Setting

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 1500 (New Model)	2019 - 2022	All	All	2.7L (L3B)	All
GMC	Sierra 1500 (New Model)	2019 - 2022	All	All	2.7L (L3B)	All
Cadillac	CT4	2020 - 2022	All	All	2.7L (L3B)	All

Involved Region or Country	North America
Condition	Malfunction Indicator Lamp (MIL) Illuminated During Cold Ambient Temperatures with DTCs P30C3 and/or P30BF P30C7 P30CB Setting
Cause	Potential Intake Camshaft sliding lobe pack binding or sticking

Correction:

NOTE: This issue is more likely to occur below 10,000 Miles / 16,000 Kilometers.

One of the listed vehicles may arrive in service with the complaint of Malfunction Indicator Lamp (MIL) Illuminated During Cold Ambient Temperatures (at or below -12C / 10F).

DTCs P30C3 and/or P30BF P30C7 P30CB may be stored current or in history.

Perform the SI electrical diagnostics for the associated codes.

If no trouble is found in the lobe position sensors or wiring, proceed to replace the cam lobe actuators as follows:

P30BF, intake cylinders 1&2

P30C3, intake cylinders 3&4

P30C7, exhaust cylinder 2

P30CB, exhaust cylinder 3

If actuators have previously been replaced and the fault returns, replace the intake camshaft (P30BF or P30C3) or exhaust camshaft (P30C7 or P30CB).

Note: The Intake and Exhaust Cam Profile Actuator Solenoids are not interchangeable with each other

Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
4088848	Swapping of Cam Profile Actuators and Wiring/Terminal Testing or Inspection	0.4 Hr.
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	2
Modified	03/03/2022 - Created on. 12/05/2022- Updated to include Unique Labor Op, diagnostic direction and replace Intake Camshaft if needed.

