



Preliminary Information

PIP5806C Intermittent Extended Crank No Start And A Possible DTC P0341 Set

Models

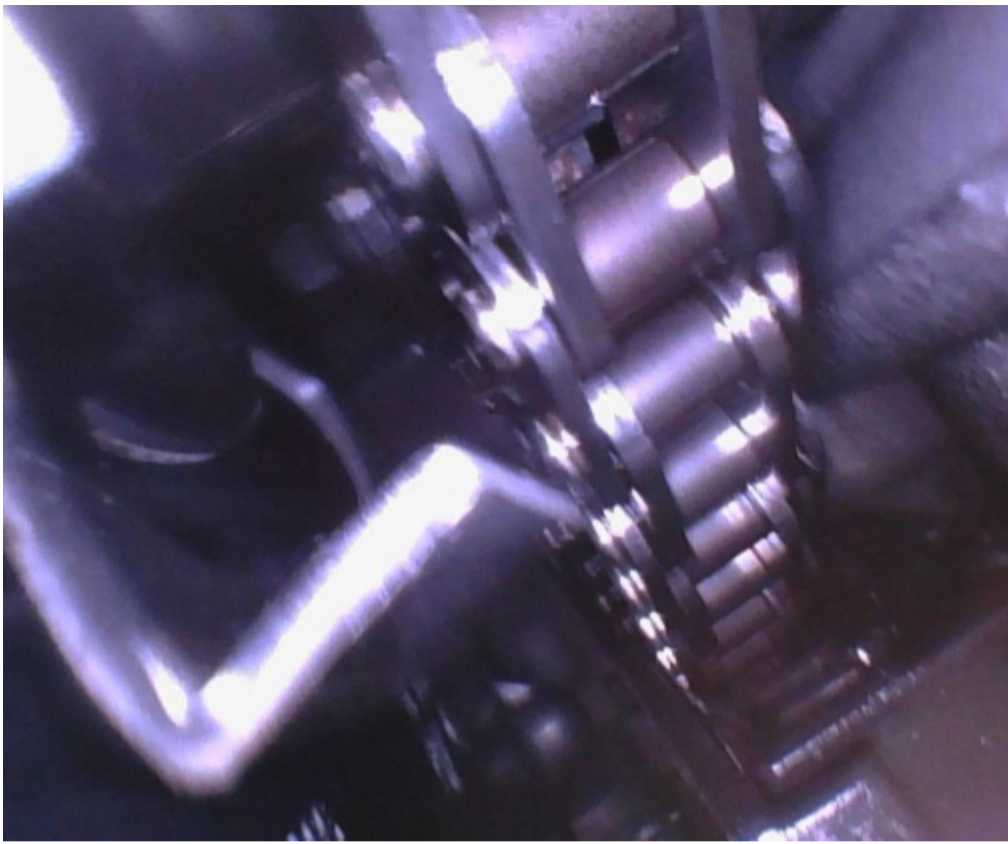
Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade models	2021	All	All	LM2	All
Chevrolet	Silverado	2020 - 2021	All	All	LM2	All
Chevrolet	Suburban	2021	All	All	LM2	All
Chevrolet	Tahoe	2021	All	All	LM2	All
GMC	Sierra	2020 - 2021	All	All	LM2	All
GMC	Yukon models	2021	All	All	LM2	All

Involved Region or Country:	North America
Condition:	Some customers may experience an intermittent extended crank or intermittent crank/no start, and may find DTC P0341 set. The vehicle will crank until it times out. The vehicle will start on the second attempt. The StopStart system is not affected by this condition.
Cause:	This may be due to a corrupt signal from camshaft position sensor to ECM.

Correction:

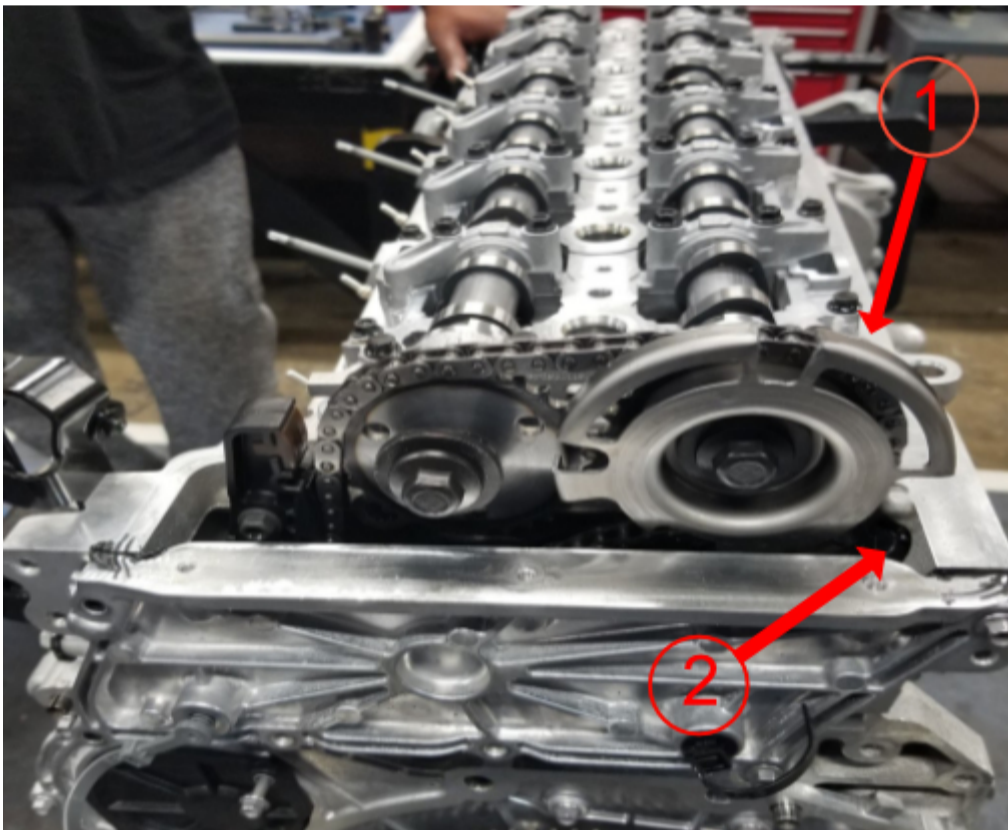
Remove the camshaft position sensor and use a borescope to inspect the camshaft trigger wheel for coming in contact with the timing chain. If the trigger wheel is coming into contact with the timing chain at any point, it will be necessary to replace the trigger wheel.

It is necessary to roll the engine over by hand (up to two revolutions) to inspect each wheel segment. See the picture below:



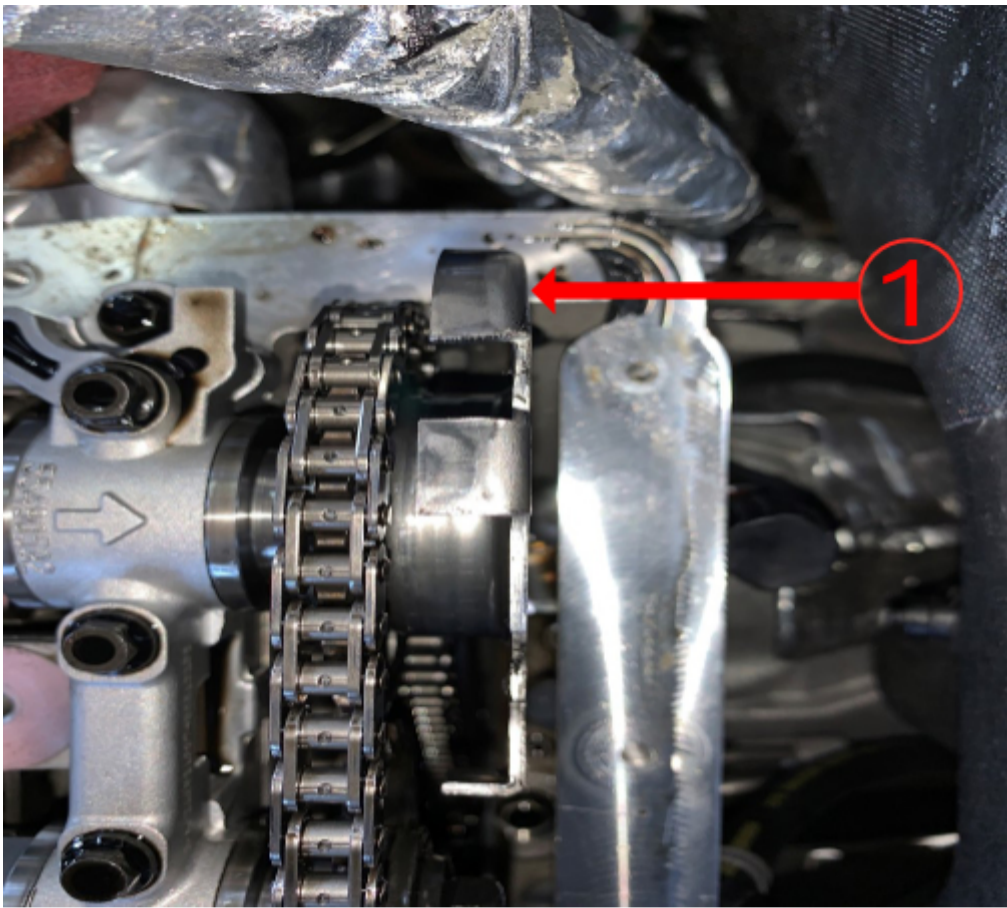
If the camshaft trigger wheel is not coming into contact with the timing chain at any point, Install a .5mm shim to the camshaft position sensor, p/n 12565102.

Below are reference pictures of a good trigger wheel and chain:



1. Camshaft Position Reluctor Wheel

2. Camshaft Position Sensor



1. Camshaft Position Reluctor Wheel

Warranty Information

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

Labor Operation	Description	Labor Time
4088148	Camshaft Exciter Wheel Inspection and .5mm Camshaft Sensor shim installation	3.1 Hrs.
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	
	4
Modified	05/24/2021 - Created on. 06/18/2021 - Modified to include checking for debris on the cam position sensor. 08/06/2021 - Modified to include checking for chain interference and adding Camshaft position sensor shim and graphics. 08/13/2021 - Modified to update the labor code and description



GENERAL MOTORS