



# Preliminary Information

## PIP5822 Intermittent Extended Crank or Intermittent Crank No Start and DTC P0341 Set

### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade Models	2021	All	All	LM2	All
Chevrolet	Suburban	2021	All	All	LM2	All
Chevrolet	Tahoe	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. The technician may find DTC P0341 set with the MIL illuminated. The vehicle will crank for 15 seconds until it times out but will start on the second attempt. The vehicle's Stop/Start system is not affected by this condition.
Cause:	This may be due to a corrupt signal from the Camshaft Position Sensor to the ECM

### Correction:

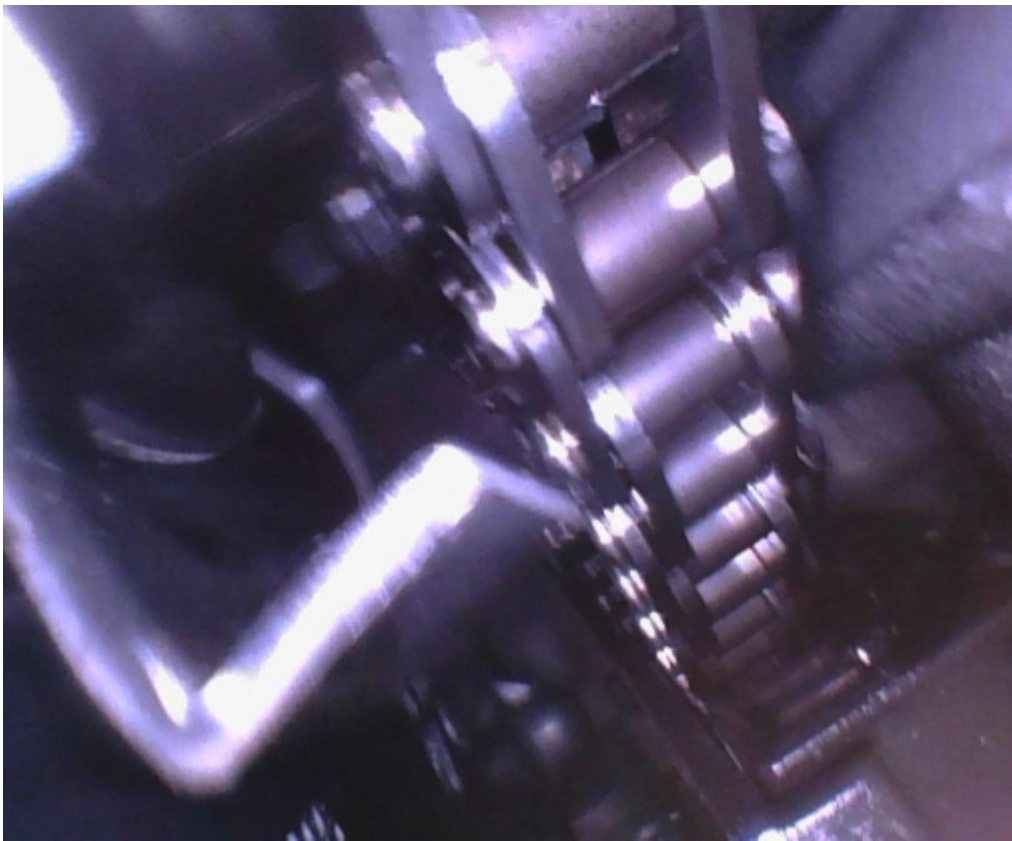
Refer to [PIP5823](#) and reprogram the Engine Control Module (ECM).

**NOTE: Continue with this PI only if [PIP5823](#) has been performed and the ECM has the latest available calibration installed, and DTC P0341 is set with the intermittent extended crank or no start condition as listed above .**

### Service Procedure:

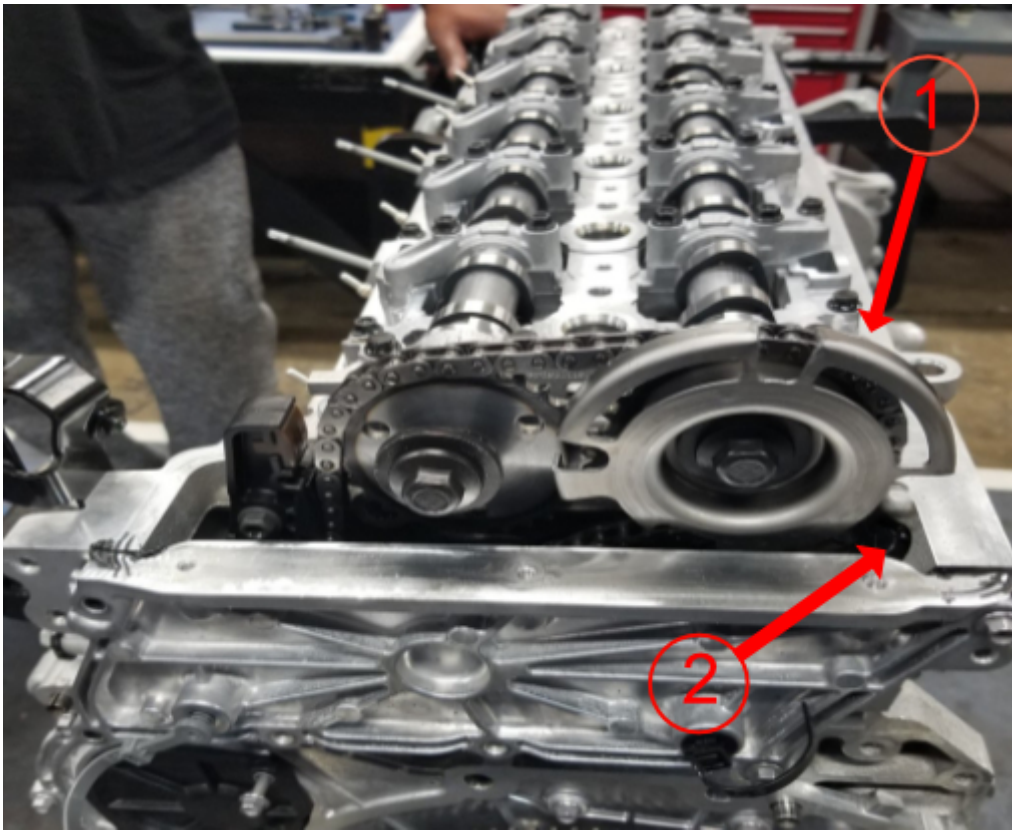
Carefully remove the camshaft position sensor and use a borescope to inspect the camshaft position sensor exciter wheel for making contact with the timing chain. If the camshaft position sensor exciter wheel is contacting the timing chain, replace the exciter wheel.

To inspect each wheel segment it will be necessary to roll the engine over by hand two engine revolutions (refer to the pictures below).

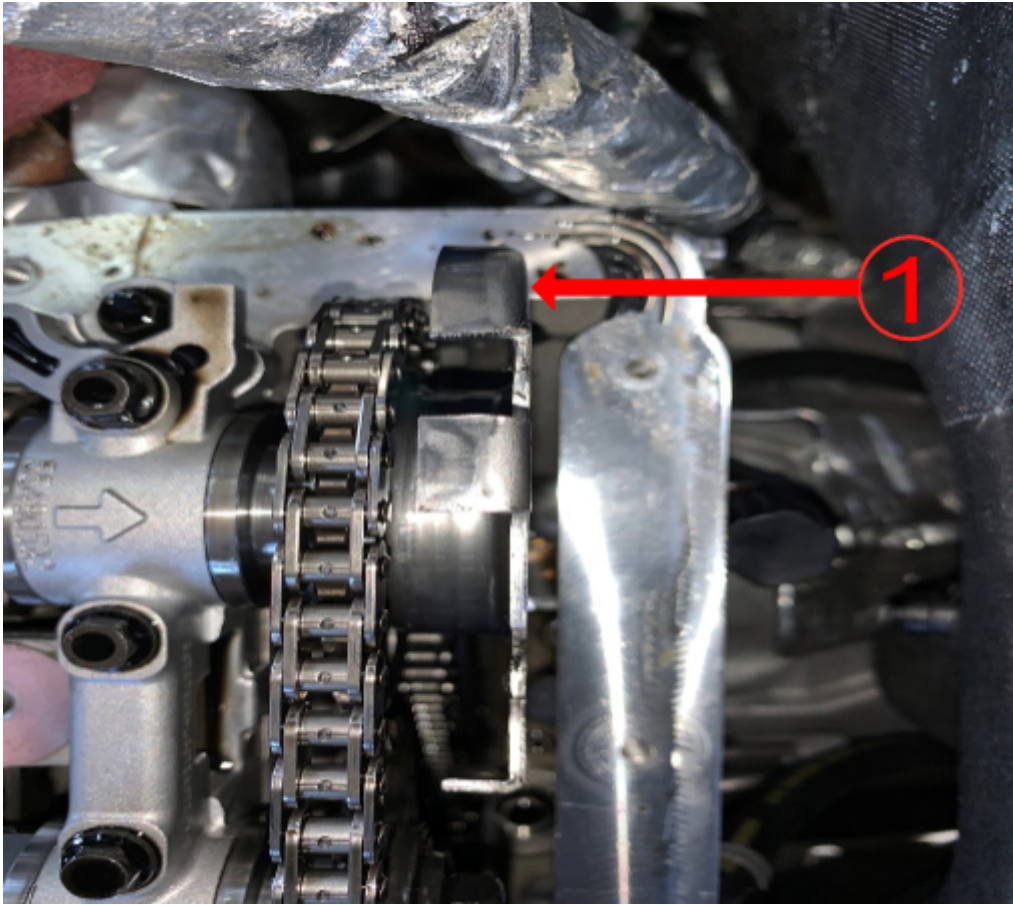


Bent cam exciter wheel contacting the timing chain

The exciter wheel in the pictures below are for reference only and are NOT bent.



- 1. Camshaft exciter wheel
- 2. Camshaft position sensor



1. Camshaft exciter 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
4088038	Camshaft Position Sensor Exciter Wheel Inspection	3.1 Hrs.

Version History

Version	1
Modified	09/21/2021 - Created on.

