Bulletin No.: PIP5921A
Published date: 09/4/2024

Preliminary Information

PIP5921A Diagnostic Tip: Possible No Start, Engine Noise Or SES Lamp with DTC P0011 P0016 Current Or History

Proactive

Models

Brand:	Model:	Model Years:	VIN: from	to	Engine:	Transmissions:
Cadillac	CT4-V	2020 - 2023	All	All	2.7 L3B	All
Chevrolet	Silverado 1500	2019 - 2023	All	All	2.7 L3B	All
GMC	Sierra 1500	2019 - 2023	All	All	2.7 L3B	All

Involved Region or Country:	**North America**
Condition:	**Possible no start, no compression, abnormal engine noise and may have DTC P0011 P0016 set as current or history**
Cause:	**Intake Camshaft Actuator cover plate screws backed out and making contact with Cam Carrier**

Correction

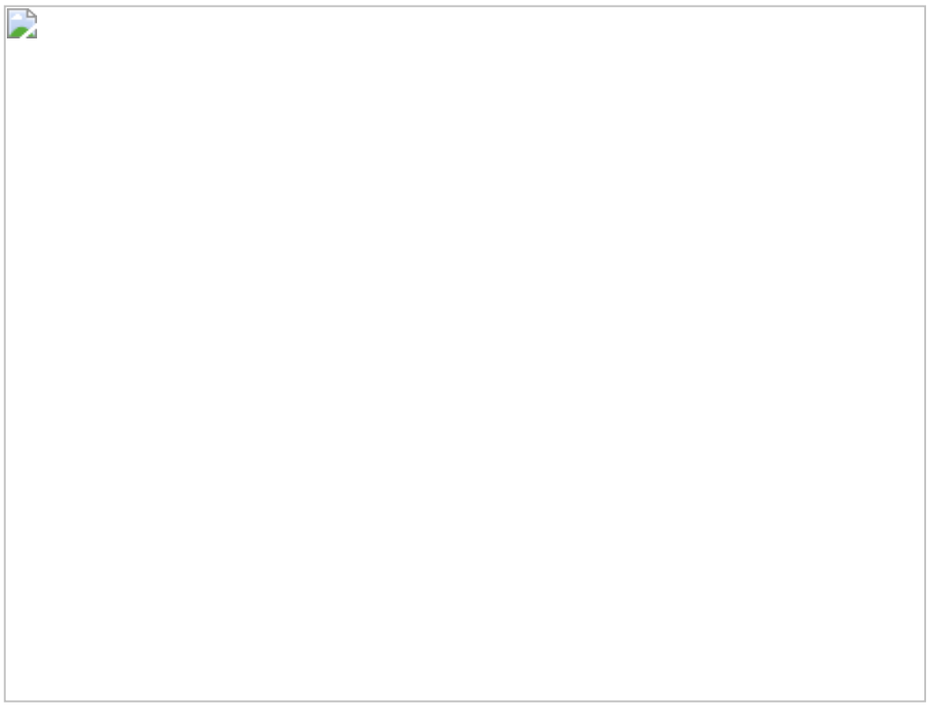
If you encounter one of the above mentioned vehicles that is experiencing a tapping or scraping type noise from the front Intake side of the Cam Carrier, abnormal debris in the engine oil and may have DTC p0011 p0016 set as current or history. Also, in some cases the vehicle could be a crank no start and have no compression due to damaged timing components. Reference sound clip below of abnormal Cam Actuator noise during start up.

Place Video Here in SI 6728787

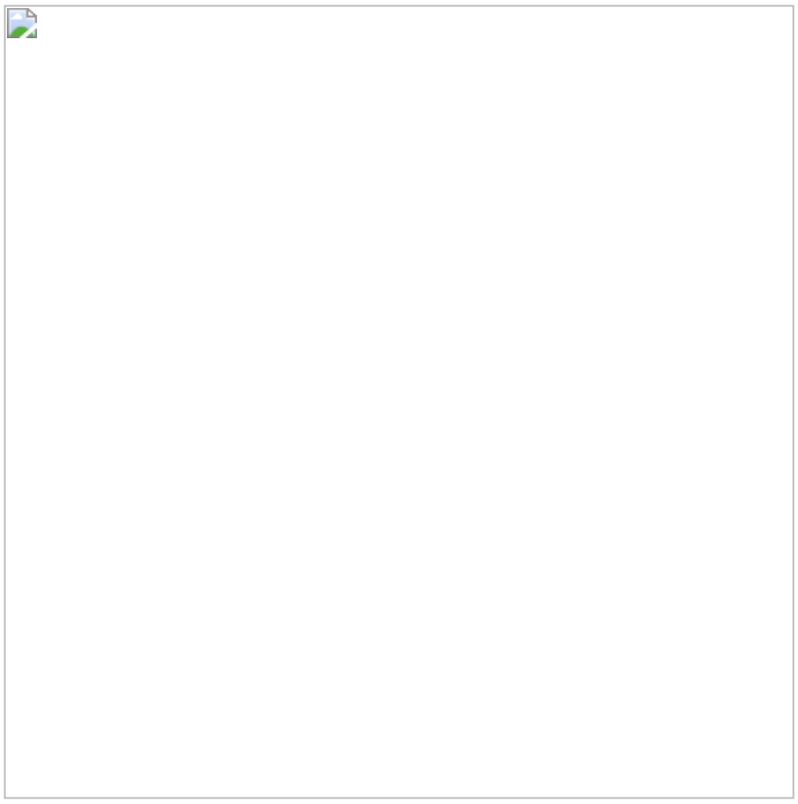
If any of these conditions are experienced it will be necessary to remove the upper timing chain cover to inspect the Intake Cam Actuator cover plate screws for possibly coming loose and making contact with the Cam Carrier face.

Note: If there is no signs of damage to the Cam Carrier face from the Intake Actuator screws then replace the Intake Cam Actuator using the latest Service Information.

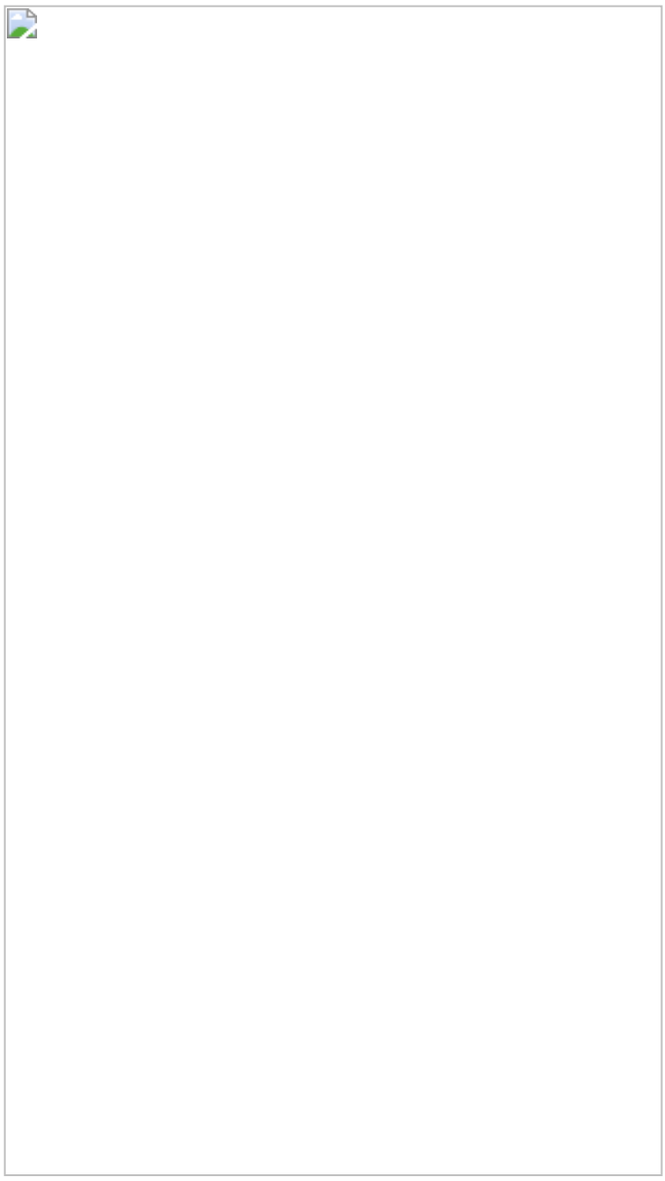
Picture below showing front side of Intake Cam Actuator. Circled in green and red are the actuator screws. Note: Circled in red the threaded portion of the screws are below the surface indicating these are loose and have likely made contact with the Cam Carrier face.



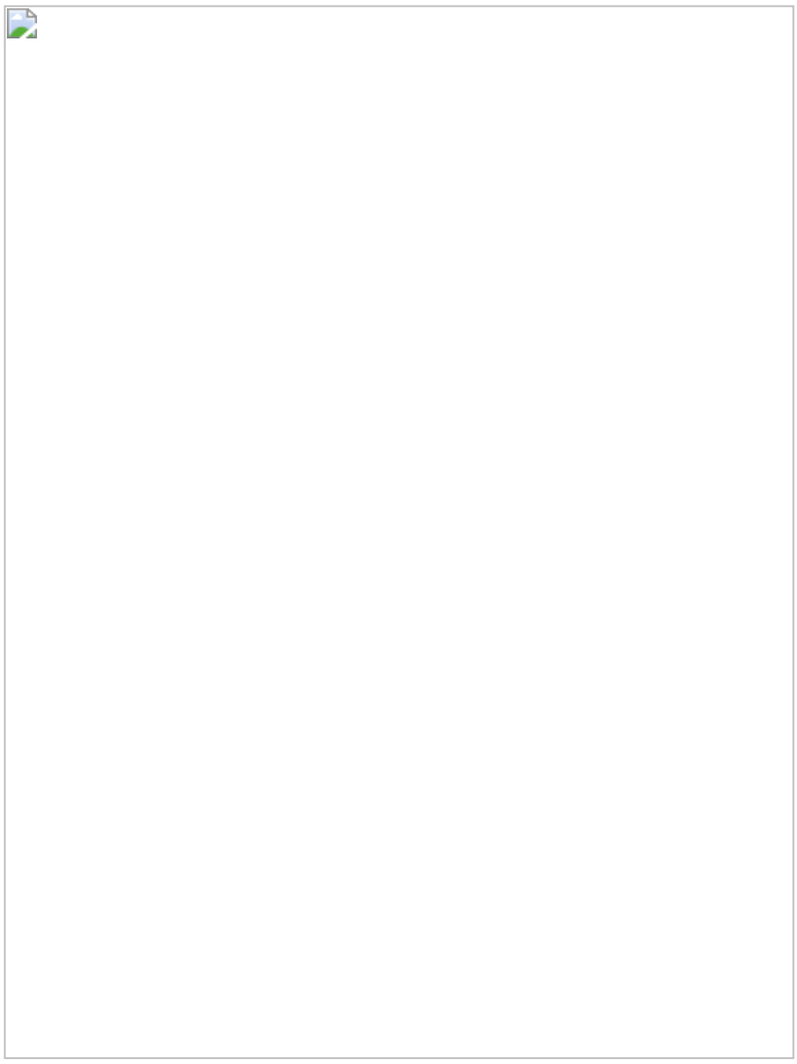
Back side of Intake Cam Actuator



Picture below showing damage done to front face of Cam Carrier when the Intake Cam Actuator cover plate screws come loose and make contact.



Picture below showing torx screws on the Intake Cam Actuator that have come loose and the amount of aluminum debris in the pick up tube that's possible when the screws contact the Cam Carrier face.



If the Cam Carrier face has been damaged from an Intake Cam Actuator cover plate screw backing out then replacement of the engine assembly and turbochager will be recommended due to metal debris in the engine from Cam Carrier face.

If the Cam Carrier face is not damaged and there is no abnormal metal in the engine oil then replace the Intake Cam Actuator, any necessary components and change engine oil and filter.

Version History

Version	2
Modified	**05/04/2023 - Created on.** **09/04/2024- Added video to correction section.**

Attachments

- 6728787 SIO.mp4

GM Global Brands