



## Preliminary Information

### PIP5680C Excessive Oil Smoke From the Exhaust On Cold Start

#### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	ATS	2016	All	All	3.6L LF4	All

Involved Region or Country	North America
Condition	Some customers may comment that after vehicle sits overnight or for several days that upon starting the engine they notice white or blue smoke coming from the exhaust. This may be more noticeable when starting the vehicle using the remote start.
Cause	Engineering has determined that this condition may be cause by manufacturing debris coming from the intake manifold. This debris can become embedded in the cylinder bores causing accelerated piston ring and cylinder bore wear.

#### Correction:

To check for this concern first inspect the outlet of the turbochargers for the presence of oil with dye in the system. (See below)



If oil is found at the outlet of the turbocharger on either side, then replace the turbocharger, drive to clean out the exhaust and then let sit to get cold and reevaluate.

If no oil at the turbocharger outlet then inspect for PCV operation and check for crankcase pressure.

If the PCV system is operating correctly and there is crankcase pressure then the above condition is the likely concern.

If this condition is found it will be necessary to replace the engine assembly and the intake manifold.

Once repair is completed reevaluate the concern.

Also it will be necessary to clean out the PCV hoses and valves when replacing the necessary components.

**NOTE: At this time this engine is on restriction through TAC and cannot be ordered without starting a TAC case and following the latest version of PIP5707 ATS-V Engine Restriction Information. This engine no longer comes with the intake manifold so for this PI, the intake will also need to be ordered.**

Also note that depending on the configuration you may need to remove some parts from the replacement engine and swap with the originals.

The engine available at this time is an automatic transmission variant and will come with the oil pan for an automatic transmission and flexplate.

If this is for a manual transmission vehicle the flywheel, clutch, pressure plate, and pilot bushing will need to be removed from the original engine and reused.

Also the oil pan will need to be swapped on manual transmission applications.

### 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
4067490	Engine Replacement	Use Published Labor Time

### Version History

Version	
	<b>4</b>
Modified	09/26/2019 - Created on. 01/30/2020 - Updated Correction Information. 08/24/2020 - Added Note about engine restriction PI and the need for a TAC case. 11/16/2020 - Updated information regarding engine availability.



GENERAL MOTORS

© 2020 General Motors. All Rights Reserved.