



Preliminary Information

PIP5554A Information On setting The Timing On Gen 5 Engines To Help Prevent A P0016 From Setting

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	CTS-V	2016 - 2019	All	All	6.2L LT4	All
Cadillac	Escalade	2015 - 2019	All	All	6.2L L86	All
Chevrolet	Camaro	2016 - 2019	All	All	6.2L LT1 LT4	All
Chevrolet	Corvette	2016 - 2019	All	All	6.2L LT1 LT4	All
Chevrolet	Silverado 1500	2014 - 2019	All	All	4.3L, 5.3L, 6.2L L83, L86, LV1, LV3	All
Chevrolet	Suburban	2015 - 2019	All	All	5.3L L83	All
Chevrolet	Tahoe	2015 - 2019	All	All	5.3L L83	All
GMC	Sierra 1500	2014 - 2019	All	All	4.3L, 5.3L, 6.2L L83, L86, LV1, LV3	All
GMC	Yukon Models	2015 - 2019	All	All	5.3L, 6.2L L83, L86	All

Involved Region or Country	North America
Condition	P0016 setting after internal engine repair
Cause	The engine Base timing is not being set correctly.

Correction:

When installing a chain and gear set on the Gen 5 V6 or V8 engine in the vehicle, it is difficult to get a straight on visual of the timing marks for alignment.

During inspection of the gears and trying to get them set up it was found that the gears have the correct number of teeth to allow marking of the opposite side of the gears for alignment.

Simply mark the tooth that was 180 degrees opposite of the timing marks on both gears.

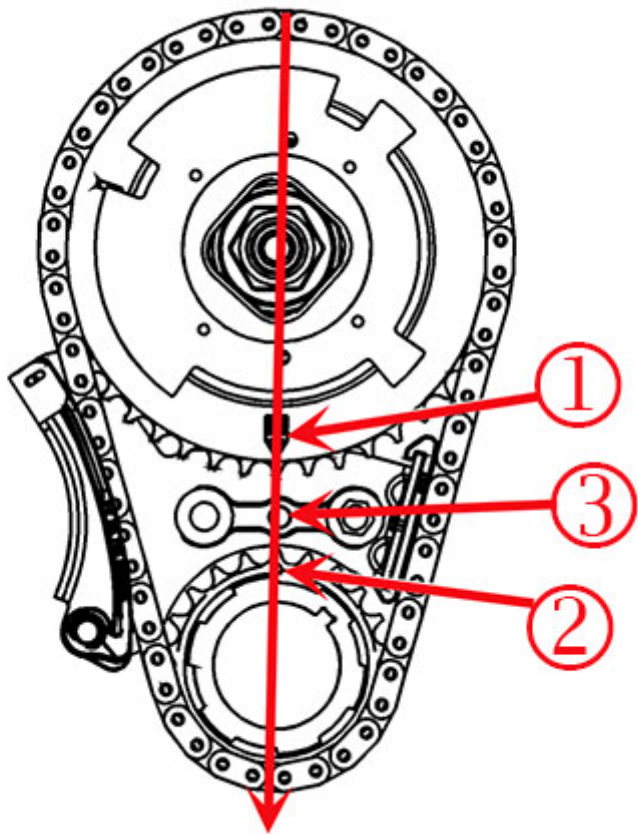
Then counted the links and folded the timing chain to mark the links at each end.

Then hang the chain on the two gears at these marks and then verified that the gears are now properly aligned.

By using the chain as the timing device it is much easier to install and align the gears properly.

As you can see in this illustration of the gear set the vertical red line travels through the links at top and bottom.

In this case the chain was installed with the face links at the proper teeth that were 180 degrees from the proper timing marks.



This oil feed hole (number 3) not being centered in the block throws the perception of the technicians off during alignment.

SI feedback has been submitted and PI will be updated or deleted as SI is updated

Version History

Version	2
Modified	12/20/2017 Created on 02/07/2019 - Updated to add 2019 Model year

