



Service Bulletin

File in Section: -

Bulletin No.: PIP5156A

Date: December, 2014

PRELIMINARY INFORMATION

Subject: Oil Leak After The Balancer Is Removed Or Replaced

Models: 2015 Cadillac Escalade
2014 Chevrolet Corvette
2014-2015 Chevrolet Silverado 1500 Suburban, Tahoe
2014-2015 GMC Sierra 1500 Yukon Yukon XL

This PI was superseded to update recommended field. Please discard PIP5156.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern

Possible oil leak after the balancer is removed or replaced.

There may be a concern where the balancer bolt will need to be removed and replaced.

Parts may get a different design bolt then what was removed from the engine.

Recommendation/Instructions

- Gen 4 engines use a non-keyed Harmonic balancer. The only part of the crank that is keyed drives the oil pump. The bolt has a friction material on the face. It does not seal the Harmonic Balancer to the crank.
- Gen 5 engines use a keyed Harmonic Balancer that can see oil pressure. It uses both a 1 piece bolt and a two piece bolt and washer arrangement. It does seal to the face of the crank.

Note: If you use a Gen 4 bolt in a Gen5 engine you will have an oil leak.



1- is for a Gen 5 engine

2- is for a Gen 5 engine

3- is for a Gen 4 engine



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1- 1 piece Gen 4 bolt measures 1.869 at the flange

2- 1 piece Gen 5 Bolt measures 2.055 at the flange

LT1 dry sump uses a longer bolt due to the oil pump that is used on this system.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.