



Service Bulletin

File in Section: -

Bulletin No.: PI1407

Date: February, 2015

PRELIMINARY INFORMATION

Subject: Loud Engine Whine Noise

Models: 2014-2015 Buick Regal
 2013-2015 Cadillac ATS
 2014-2015 Cadillac CTS Sedan (VIN A)
 2013-2015 Chevrolet Malibu
 2014-2015 Chevrolet Impala (VIN 1)
 Equipped with Engine RPOs LCV (Code A), LKW (Code L) or LTG (Code X)

Attention: This PI also applies to any of the above models that may be Export vehicles.
Condition/Concern

Some customers may comment about a loud whine noise coming from the engine. The frequency of the noise increases and decreases with the engine RPM.

Recommendation/Instructions

Remove the accessory drive belt to eliminate as a possible noise source. Verify the whine noise is coming from the lower end of the engine. Verify the pitch of the whine noise increases when increasing engine speed.

If noise source is determined to be internal of the engine, remove the oil pan and inspect for broken main bearing cap bolts. Extract the broken portion of the bolt from the engine block after removing the lower block half.

Undamaged lower crank case bolts must be replaced as well. They are a one time use bolt.

The balance shaft should also be replaced due to damage to the teeth where the bolt head was contacting the gear and producing the whine noise. Refer to Balancer Shaft with Oil Pump Removal in SI.

Parts Information

Part Number	Description
11547866	BOLT, LWR C/CAS (Qty 10)
12631922	SHAFT, BALR W/ OIL PUMP (VIN CODE X)
12628886	SHAFT, BALR W/ OIL PUMP (VIN CODES A and L)

Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description		Labor Time
4080828*	Remove/Install Accessory Belt for Noise Verification		0.3 hr
Add	Replace Balance Shaft and Lower Crank Case Bolts	Buick Regal RPO LTG	10.4 hrs
		Cadillac ATS RPO LTG	18.7 hrs
		Cadillac ATS RPO LCV	14.3 hrs
		Cadillac CTS Sedan (VIN 1)	18.1 hrs
		Chevrolet Malibu RPO LKW	9.8 hrs
		Chevrolet Malibu RPO LTG	10.4 hrs
		Chevrolet Impala	14.0 hrs
*This is a unique Labor Operation for Bulletin use only. It will not be published in the Labor Time Guide.			