



Service Bulletin

File in Section: -

Bulletin No.: PIP4716F

Date: July, 2014

PRELIMINARY INFORMATION

Subject: Sharp Engine Rattle Noise At Start Up May Also Set P0011 P0014 P0016 P0017

Models: 2010 Buick LaCrosse
2009-2010 Chevrolet Cobalt
2010 Chevrolet Equinox
2009-2010 Chevrolet HHR
2009-2010 Chevrolet Malibu
2010 GMC Terrain
2009-2010 Pontiac G5
2009-2010 Pontiac G6
2009-2010 Pontiac Solstice
2009-2010 Saturn Aura
2009-2010 Saturn Sky
2009-2010 Saturn Vue
Equipped with the following engines
2009-2010 2.0L (RPO LNF)
2009-2010 2.2L (RPO LAP/LE8)
2009-2010 2.4L (RPO LE5/LE9/LAT/LAF)

This PI was superseded to update Warranty Information. Please discard PIP4716E.

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

Condition/Concern

In rare instances a technician may comment they hear a short, sharp rattle noise from the front of the engine at start up. P0011 P0014 P0016 or P0017 may also set during this condition.

Recommendation/Instructions

If the noise is from the front accessory drive area, inspect the engine belt. We have seen concerns with engine belts causing a loud ticking type noise. Vehicles with hydraulic power steering, verify power steering pulley outer edge is aligned flush with shaft and repair as needed. If pulley alignment is correct or vehicle does not have hydraulic steering, replace the engine belt.

If the noise is still present and is very short and sharp in duration (2-5 seconds). This may be an issue with the cam actuators not parking properly. Once the noise is verified as the actuator, they must be replaced. If the cam actuators are replaced, remove the CMP actuator solenoids to inspect for debris. If debris is found, clean and inspect for torn or loose screens and replace solenoid if necessary.

Note: If debris is found in the solenoids and actuators change the oil and filter before returning to service, in some instances it may be necessary to change the oil/filter multiple times with a test drive in between each. The filter and solenoids can be inspected afterwards to ensure no additional debris is present.

Warranty Information

For vehicles repaired under warranty, use:

The correction for this concern may be one of several repairs described above. For vehicles repaired under warranty, please use the appropriate warranty labor operation based on the original cause in addition to well documented straight time.

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.