



# Service Bulletin

## 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***This PI was superseded to update Recommendation/Instruction field. Please discard PIP4714D.***

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.

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.

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GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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