



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Belt Squeak Noise and/or Crankshaft Balancer Appears to Wobble

**Models:** 2010-2015 Chevrolet Camaro SS  
2011-2015 Chevrolet Caprice PPV  
2009-2013 Chevrolet Corvette  
2008-2009 Pontiac G8  
with 6.0L 6.2L Engine (RPOs L76 L77 L99, LS3, or LS7)

*This PI was superseded to update Model Year. Please discard PIP4750E.*

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

### Condition/Concern

Some customers may complain of a belt squeak noise and/or a crankshaft balancer appears to be out of balance or wobbling while watching it with the engine running. In most cases, the wobble is an optical illusion because the design of the balancer gives the appearance that it is moving more than it actually is.

### Recommendation/Instructions

If this concern is experienced, follow the steps below:

1. Push the crankshaft all the way to the rear of the engine.
2. Using a magnetic base, attach a dial indicator so the measuring tip is contacting the rear of the drive belt groove.  
**Notice:** An inaccurate reading may be obtained by measuring the face of the balancer instead of the rear of the drive belt groove.
3. Rotate the crankshaft 360 degrees and note the total amount of crankshaft balancer run out.
  - If the balancer run out is 0.40mm (0.0157") or less, do not replace the balancer because the run out is in specification.
  - If the balancer run out is greater than 0.40mm, replace the crankshaft balancer and perform step 3 again to confirm that the run out of the new balancer is in specification.
4. If the customer has complained of a belt squeak, also replace the drive belt.

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.

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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