



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Deceleration Misfire On All Cylinders 1400 RPM To 1800 RPM Diagnosis

**Models:** 2004-2011 Cadillac STS  
2004-2015 Cadillac CTS SRX  
2013-2015 Cadillac ATS XTS  
2005-2015 Buick Lacrosse Allure (Canada only)  
2008-2015 Buick Enclave  
2010-2015 Chevrolet Camaro  
2011-2015 Chevrolet Captiva Sport  
2015 Chevrolet Colorado  
2008-2015 Chevrolet Equinox  
2012-2015 Chevrolet Impala  
2008-2012 Chevrolet Malibu  
2009-2015 Chevrolet Traverse  
2007-2015 GMC Acadia  
2015 GMC Canyon  
2010-2015 GMC Terrain  
2007-2009 Pontiac G6  
2008-2009 Pontiac Torrent  
2007-2009 Saturn Aura  
2007-2010 Saturn Outlook  
2008-2010 Saturn Vue  
with 3.6 LY7, LFX, or LLT 2.8 LP1 3.0 LF1 or LFW

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

### Condition/Concern

Some customers may comment about an engine misfire and check engine light with any or all cylinder misfires only on deceleration.

Depending on the model year and engine RPO configuration, this may be the result of:

- Debris in the serpentine belt or balancer pulley causing a jump and false misfire
- Worn engine mounts causing a ground out concern and false misfire.

**Note:** Do not confuse this with normal roughness and a few random misfire counts that are normal on these engines at the same speeds in park or neutral

### Recommendation/Instructions

If this concern is encountered:

- Remove the accessory drive belt and drive or brake stall at signature RPM. If the concern is gone inspect for debris in the belt or pulleys causing a jump and false misfires
- Use engine lift to unload the engine mounts and brake stall at signature RPM. If concern is gone then inspect for a ground out concern with the mounts causing false misfires.

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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