



Service Bulletin

TECHNICAL

Subject: Supercharger Noise

Models: 2009-2014 Cadillac CTS-V
2012-2015 Chevrolet Camaro
Equipped with 6.2L Engine (RPO LSA)

Attention: This Bulletin also applies to any of the above models that may be Export from North America vehicles.

This Bulletin has been revised to add the 2015 Camaro and update the Correction and Warranty information. Please discard Corporate Bulletin Number 15-06-01-003.

Condition

Some customers may comment on one or more of the following conditions:

2009-2014 Model Years

- Customers may experience a rattling or knocking noise at mid-to-high mileage, especially prominent at idle.
- Customers may experience a screeching noise at mid-to-high mileage, usually when cold but not exclusively.

2014 and Newer Model Years

- Customers may experience a buzz noise (similar to a heat shield buzz) at a narrow RPM band somewhere between 700-1300 RPM. This noise may be referred to as launch buzz, accessory drive belt resonance.

All Model Years

- A light to moderate rattling noise at idle that sounds like marbles in the supercharger, but goes away when engine speed is increased to about 1200 RPM, is normal. This noise does not indicate that there is any problem with the supercharger or that any parts are damaged.

Cause

This may be caused by contamination of the lubricating grease within the supercharger that may cause the bearing to make noise. If this condition exists, and is left unaddressed, the bearing may overheat and cause damage to the supercharger.

Correction

For vehicles that encounter the above concern, follow the correct procedure listed below.

2014 and Newer Model Years

Replace the supercharger front cover. Refer to *Supercharger Front Cover Replacement* in SI.

2009-2013 Cadillac CTS-V and Chevrolet Camaro (That Have Had a Service Replacement Supercharger Installed After November 2013)

Replace the supercharger front cover. Refer to *Supercharger Front Cover Replacement in SI* using the 2013 and newer service manual.

Manual Transmission Vehicles that Experience a Flutter or Rattle at Low RPMs

Replace the supercharger front cover. Refer to *Supercharger Front Cover Replacement* in SI using the 2013 and newer service manual.

Vehicles Built Prior to 2014 (That Have NOT Had a Service Replacement Supercharger Installed After November 2013)

Remove and replace the supercharger. Refer to *Supercharger Removal and Supercharger Installation* in SI.

Parts Information

Part Number	Description
12613457	GASKET-CHRG AIR CLR HSG
12612467	INSULATOR-CHRG AIR CLR LWR
19180613	GASKET KIT, INT MANIF
12576549	SEAL, THROT BODY
12670278	SUPERCHARGER KIT
12670289	COVER-SPCHG FRT (KIT)
12346290 (US) 10953464 (CA)	COOLANT, ENGINE

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4081418 (Model Year 2009-2012)	Supercharger Front Cover Replacement	5.4 hrs
4068400 (Model Year 2013 and newer)	Supercharger Front Cover Replacement	Use Published Labor Operation Time
4068410	Supercharger and Gasket Replacement	

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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