



## Preliminary Information

### PIP5319F Rattle From the Turbocharger on Cold Start

#### Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	CTS-V Sport	2014 - 2016	All	All	LF3 Turbo	All
Cadillac	XTS	2014 - 2016	All	All	LF3 Turbo	All

#### Supersession Statement

This PI was superseded to add powertrain warranty statement. Please discard PIP5319E.

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

#### Condition / Concern

**You may have one of the above vehicles come into your dealership with the concern of a rattle from the turbocharger when cold.**

**This will be a cold start noise at idle, not to be confused with the noise when revving the engine referred to in [PI1234](#).**

**Please verify that the noise is from the turbocharger before going forward.**

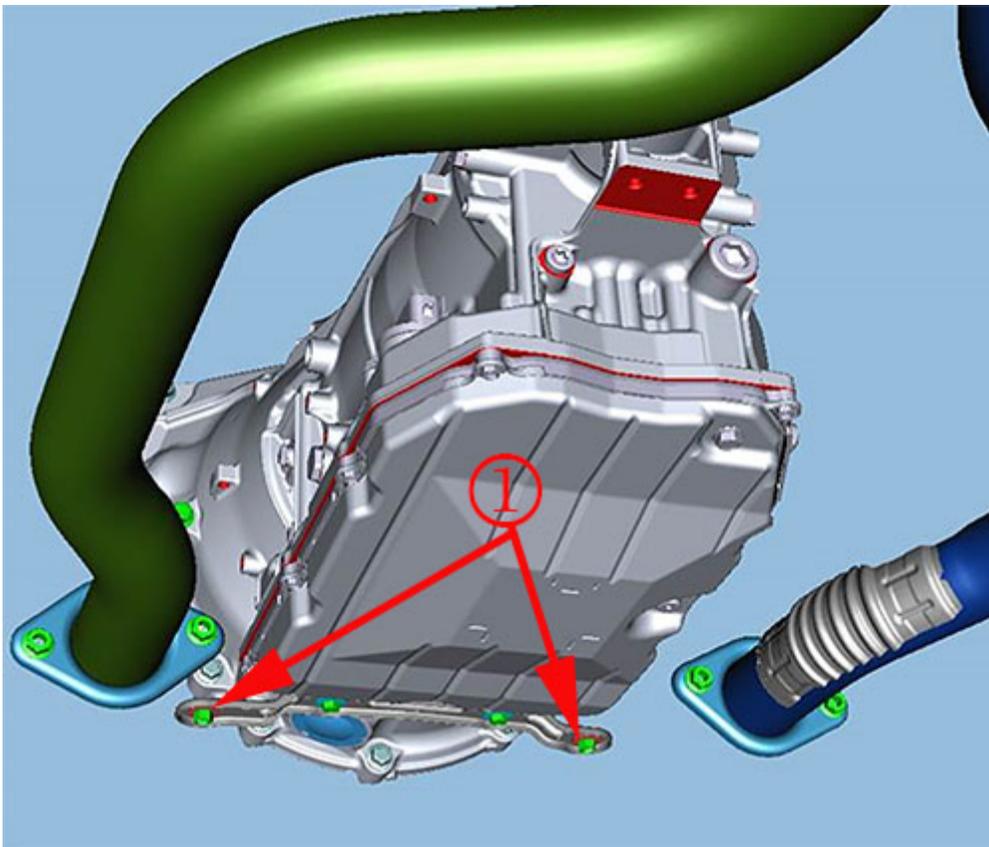
#### Recommendations / Instructions

**Inspect the exhaust converter bracket nuts that secure the converters to the bracket prior to replacing any parts.**

**Inspect the M8 nuts noted in the picture that secure the catalytic converters to the exhaust bracket.**

**Over time during normal operating conditions these nuts can lose torque and cause a rattle that sounds like it is coming from the turbocharger.**

**If technician finds the M8 nuts are loose it will be necessary to replace them with new torque prevailing nuts, P/N 11546441 LF3 (2 nuts).**



If technician finds that the nuts are torqued correctly this is not the issue.

Proceed with possible turbocharger wastegate concern.

If you have verified the rattle noise when cold is from the turbocharger, and the noise is unforced, there is a revised part available for this concern.

**NOTE: There are sound bites of the 2 different types of noise in the January 29, 2016 Version of TechLink available from the SI home page.**

The new part has a revised spring for the wastegate to limit movement when cold.

The new part numbers are 12673349 and 12673350 for CTS-V Sport and 12666540 for the XTS.

If the vehicle already has these part numbers installed, **DO NOT REPLACE AGAIN.**

#### Parts Information

Part Number	Description	Quantity
12673349	Turbo charger Assembly - LH CTS	1
12673350	Turbo charger Assembly - RH CTS	1
12666540	Turbo Charger Assembly (RH/LH) XTS	2

#### Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation.

Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
4068290	Turbocharger Replacement	Use Published Labor Operation 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.



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