



Preliminary Information

PIP5785 Whining/Whirring, Whistle, Squeaking, Groaning/Growling Noise Coming From The Front Wheel/Engine Area

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	ATS	2017 - 2019	All	All	All	All
Cadillac	CTS	2017 - 2019	All	All	All	All
Cadillac	CT6	2016 - 2020	All	All	All	All

Involved Region or Country	North America
Additional Options (RPO)	F46
Condition	<p>Some customers may comment on one or more of the following conditions at low speeds during driving maneuvers up to 40 mph:</p> <ul style="list-style-type: none"> • Whining/Whirring • Whistle • Squeaking • Groaning/Growling <p>The customer might state this noise coming from the engine/wheel area</p>
Cause	This condition may be caused by fretting between the Front Intermediate Shaft(IDS Shaft) and the Front Intermediate Shaft Bearing/Housing(IDS bearing). The fretting is the result of having a slip fit interface between the bearing and the IDS shaft, and combined with a bearing that has around 0.5Nm of torque to rotate(TTR)

Correction:

Perform road test to diagnose fretting noise:

1. Try and replicate the customers complaint maneuver (generally the noise is heard while coasting and without brakes being applied)
2. Install Chassis Ears
3. Identify if the noise is at the Front Intermediate Shaft Housing
4. Once the noise is confirmed and isolated at the front intermediate shaft housing
5. Replace IDS Shaft and IDS Shaft Housing, refer to *Front Wheel Drive Intermediate Shaft Replacement & Front Wheel Drive Intermediate Shaft Housing Replacement in Si.*



Parts Information

Caution: This vehicle is equipped with torque-to-yield or single use fasteners. Install a NEW torque-to-yield or single use fastener when installing this component. Failure to replace the torque-to-yield or single use fastener could cause damage to the vehicle or components.

Note: If the bolts or nuts are found to be damaged or are excessively worn, DO NOT reuse. Replace with new.

Note: If reusing the propeller shaft bolts, to ensure proper adhesion and fastener retention, the threads must be free of debris prior to the application of thread locker. Use an appropriate cleaner to thoroughly clean the threads and allow to dry. Apply thread locker to the propeller shaft to flange bolts. Ensure that there are no gaps in the thread locker along the length of the filled area of the bolts. Allow the thread locker to cure approximately 10 minutes before installation.

Description	Vehicle Application	Part Number	Quantity
Front Intermediate Shaft IDS Shaft	ATS/CTS	22772313	1
Front Intermediate Shaft IDS Shaft	CT6	23269757	1
IDS Bearing Housing	ATS/CTS 2.0 (LTG)	84098259	1
IDS Bearing Housing	ATS/CTS 3.6 (LGX)	84098258	1
IDS Bearing Housing	CT6 3.0 (LGW) or 3.6 (LGX)	84056149	1
IDS Bearing Housing	CT6 4.2 (LTA)	84266221	1

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
3087188	Diagnostic Test and drive	.5 hr
	If replacing Shaft and Bearing Housing	ATS Add 6.9 hr CTS Add 7.0 hr CT6 Add 5.7 hr

Version History

Version	1
Modified	2/16/2021 - Created



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