

2016 - 2020 Cadillac ATS-V CTS-V CT6-V: Service Bulletin: #PIP5785: Whining/Whirring, Whistle, Squeaking, Groaning/Growling Noise Coming From The Front Wheel/Engine Area - (Mar 6, 2021)

#PIP5785: Whining/Whirring, Whistle, Squeaking, Groaning/Growling Noise Coming From The Front Wheel/Engine Area - (Mar 6, 2021)

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

| Brand: | Model: | Model Year: | | VIN: | | Engine: | Transm ission: |
|----------|--------|-------------|------|------|-----|---------|-------------------|
| | | from | to | 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

Some customers may comment on
one or more of the
following conditions at low speeds

during driving maneuvers up to 40 mph:

- Whining/Whirring
- Whistle
- Squeaking
- Groaning/Growling

The customer might state this noise coming from the engine/wheel area

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 | Qty |
|--|-------------------------------|-------------|-----|
| 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 |

Version

1

Modified

03/05/2021 — Created

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