



Preliminary Information

PIP5711B 6.6 L5P Duramax Warm Engine Idle Knock Noise

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado 2500/3500	2020 - 2022	All	All	6.6 L5P	All
GMC	Sierra 2500/3500	2020 - 2022	All	All	6.6 L5P	All

Involved Region or Country	North America
Condition	Customers may have a concern of a thumping or knocking noise coming from what sounds like the rear of the engine.
Cause	Characteristic noise being amplified by the transmission bell housing.

Correction:

The noise described in this communication is audible in the interior and exterior of the vehicle but is more pronounced in the interior.

The noise is easiest to duplicate under the following conditions:

- Engine at idle (about 600 RPM)
- Engine oil temperature 113 - 185 degrees Fahrenheit (45 - 85 degrees Celsius)
- Transmission in P/N
- HVAC fan off
- Radio off

To verify this is the noise described in this PI, remove the accessory drive auxiliary belt. If the noise level is significantly reduced it should be considered characteristic of the 2020 and 2021 model year vehicles and no further repair attempts should be made.

Engineering has provided the following procedure for auxiliary belt removal, testing and installation:

1. Remove the air cleaner housing.
2. Remove intake air duct.
3. Separate the charge air cooler (CAC) tube and position aside.
4. Remove the auxiliary belt and position aside.
5. Install CAC tube.
6. Loosely place air box and intake duct back in place. (So you don't set a code for sensor when starting.)
7. Start engine and verify noise is gone.
8. Remove loosely installed air box and intake duct.
9. Separate CAC tube.

10. Install auxiliary belt.

11. Install CAC tube.

12. Install air box and duct.

NOTE: Do not run the vehicle more than three minutes without the auxiliary belt installed. Do not raise the RPM higher than idle with the auxiliary belt removed.

This noise has no short or long term effects on the engine. Do not attempt repairs for this noise.

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
4087118	Warm Engine Idle Knock Noise	0.5 Hrs.
*This is a unique Labor Operation for Bulletin use only.		

Version History

Version	3
Modified	03/03/2020 - Created on. 10/30/2020 - Updated to clarify auxiliary belt and to include the 2021 model year. 01/24/2022 - Updated to add 2022 model year.

