



Bulletin No.: PIP5996

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Preliminary Information

PIP5996 Diagnostic Aids for 8 Speed Transmissions With Noise concerns

Models

Brand:	Model:	Model Years:	VIN: from to	Engine:	Transmissions:
Cadillac	ATS	2016 - 2019	All All All		M5N, MNU
Cadillac	CTS	2016 - 2019	All All All		M5N, MNU
Cadillac	CT6	2016 - 2018	All All All		M5N, M5X
Cadillac	CT4	2020 - 2024	All All All		M5N, MHA
Cadillac	Escalade	2015 - 2020	All All All		M5UM5T, M5U
Chevrolet	Camaro	2016 - 2023	All All All		M5T, M5U
Chevrolet	Corvette	2015 - 2019	All All All		M5U
Chevrolet	Colorado (VIN S/T)	2017 - 2023	All All All		M5T
Chevrolet	Express	2017 - 2024	All All All		M5U
Chevrolet	Silverado	2015 - 2018	All All All		M5U, M5X
Chevrolet	Silverado 1500 (New Model)	2019	All All All		MQE
Chevrolet	Silverado 1500	2020 - 2021	All All All		MQE
Chevrolet	Silverado 1500- LTD (RPO J21, VIN Digit 5 = A/D)	2022	All All All		M5X
Chevrolet	Silverado 1500- LTD (RPO J22, VIN Digit 5 = W/Y)	2022	All All All		M5X, MQE
Chevrolet	Silverado 1500	2022 - 2024	All All All		MQE
GMC	Canyon	2017 - 2024	All All All		M5T
GMC	Sierra	2015 - 2018	All All All		MQE
GMC	Sierra 1500 (New Model)	2019	All All All		MQE
GMC	Sierra 1500	2020 - 2021	All All All		MQE
GMC	Sierra 1500 - Limited (RPO J21, VIN Digit 5 = 8/9)	2022	All All All		M5X, MQE
GMC	Sierra 1500 - New (RPO J22, VIN Digit 5 = H/U)	2022	All All All		M5X, MQE
GMC	Sierra 1500	2024	All All All		MQE
GMC	Savanna	2017 - 2024	All All All		M5U, MQD
GMC	Yukon	2015 - 2020	All All All		M5U

Involved Region or Country	North America
Condition	Some Customers may comment on a noise coming from the vehicle
Cause	Upon Inspection the noise may be coming from the rear of the engine or the front of the transmission

Correction:

If the vehicle is exhibiting a noise that is originating from under the vehicle, verify where the noise is coming from

Raise the vehicle in the air and with the engine running and using a stethoscope verify the noise is coming from the rear of the engine or the front of the transmission

If needed attach a vacuum hose to the vent of the transmission to verify the noise

NOTE: Do not unbolt the torque converter from the flexplate as this could lead to not only to damage to the engine/transmission it can also result in an incorrect diagnosis

Once the noise is confirmed to be from the front of the transmission, prior to removing the unit for inspection please verify the following:

If equipped with an L3B engine make sure to follow bulletin 24-NA-078, If the noise is found to be coming from the starter assembly replace the starter and re-evaluate the concern

The starter noise may be intermittent, and the noise can begin even after the engine is running or following a remote start

If the vehicle is equipped with any of the following engines LV3, LT1, LT4, L82, L84, L87, L8T please follow bulletin 23-NA-170 and verify the noise is not coming from the engine or a damaged thrust bearing

NOTE: There have been instances of transmissions replaced for engine noise, and often this noise can appear to be coming from the front and/or middle of the transmission based on the transfer path

If no concern is seen with the starter and the engine, the transmission will need to be removed and inspected

Make sure to verify the transmission endplay measurement using the proper procedure in SI prior to replacing the torque converter and prior to disassembly of the unit


There have been instances of a worn, damaged or missing transmission thrust bearing that can be easily overlooked if the end play is not checked prior to disassembly

If the end play is excessive, please disassemble and inspect the transmission including the thrust bearing for any concern

If the endplay is within specification please continue with normal SI diagnostics

Version History

Version	1
Modified	08/14/2024

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