



Preliminary Information

PIT6175 Diagnostic Tip - Thump Chatter Vibration Rumble Rattle Type Noise From Rear Suspension Going Over Dips Or Bumps In The Road

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade Models	2024	All	All	All	All
Chevrolet	Suburban	2024	All	All	All	All
Chevrolet	Tahoe	2024	All	All	All	All
GMC	Yukon Models	2024	All	All	All	All

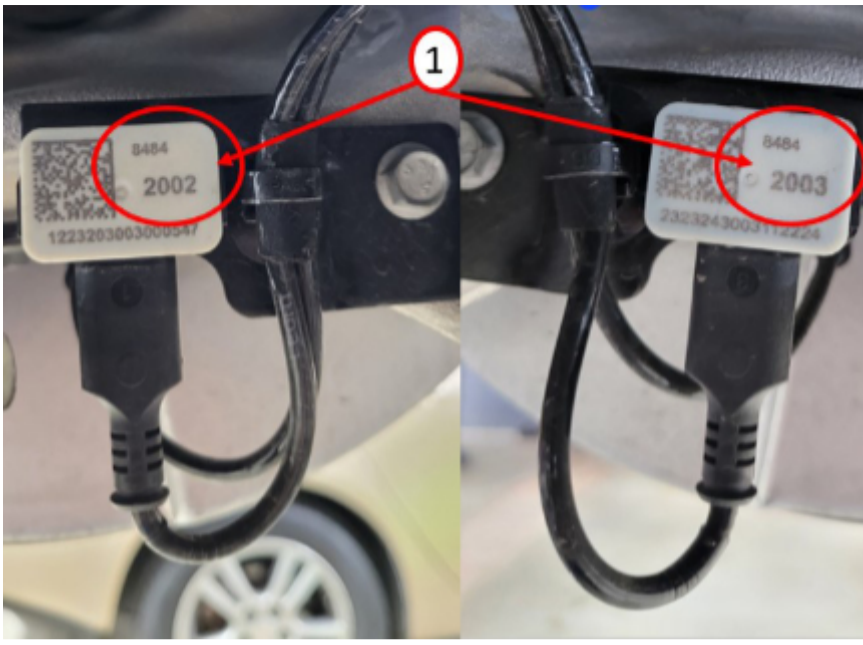
Involved Region or Country	North America
Additional Options (RPO)	Z95 MAGNETIC RIDE CONTROL
Condition	Some customers may comment on a Thump, Chatter, Vibration, Rumble, Rattle type noise from the rear suspension when going over a dip in the road as the suspension compresses and rebounds.
Cause	The cause of this condition could be the rear suspension accelerometer sensors installed on the vehicle.

Correction:

Before concluding this is the root cause of the issue perform the following. For test purposes only, disconnect each rear shock electrical connector, then test to determine if the issue is gone. After testing reconnect the shock connectors and clear any DTC's that set.

- If the issue does not go away, then continue with normal SI diagnostics.
- If the issue goes away, then inspect the rear suspension accelerometer sensor part numbers that are installed on the vehicle, shown below (1). The parts catalog MUST BE USED to verify the rear suspension accelerometer sensor part numbers for the vehicle you are working on. If the part numbers listed in the parts catalog are different then what is installed on the vehicle, then replace the accelerometer sensors with the part number sensors listed in the parts catalog.

NOTE: To help find the accelerometer sensor part numbers in the parts catalog, enter the VIN of the vehicle and then use the search bar and search on the word "accelerometer".



Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
8020340	Electronic Suspension Rear Vertical Accelerometer Replacement - Left Side	Use Published Time
8020350	Electronic Suspension Rear Vertical Accelerometer Replacement - Right Side	Use Published Time

Version History

Version	1
Modified	05/15/2024 - Created on.



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