



# Preliminary Information

## PIT6144 Diagnostic Tip for Service Leveling System Message And DTC: C1197

Models

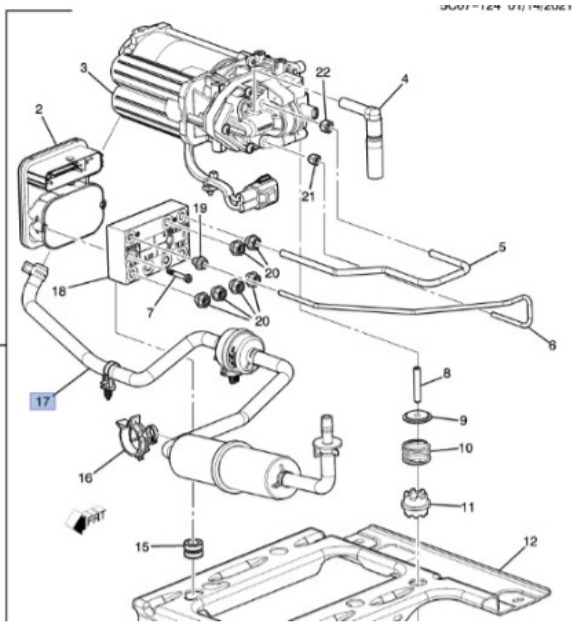
Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Cadillac	Escalade Models	2021 - 2024	All	All	All	All
Chevrolet	Suburban	2021 - 2024	All	All	All	All
Chevrolet	Tahoe	2021 - 2024	All	All	All	All
GMC	HUMMER EV	2022 - 2024	All	All	All	All
GMC	HUMMER EV SUV	2024	All	All	All	All
GMC	Yukon Models	2021 - 2024	All	All	All	All

Involved Region or Country	North America
Additional Options (RPO)	F47 Air Ride Adaptive Suspension
Condition	<p><b>Some customers may comment on following concerns:</b></p> <ul style="list-style-type: none"> <li>- <b>Air leveling suspension is inoperative</b></li> <li>- <b>Service Leveling System message displayed in the DIC</b></li> <li>- <b>DTC: C1197 SYM 00</b></li> </ul>
Cause	This condition may be caused by a plugged or pinched air inlet hose to the air suspension compressor assembly.

Correction:

If you experience one of the conditions above, please check the following as this may be causing your concern:

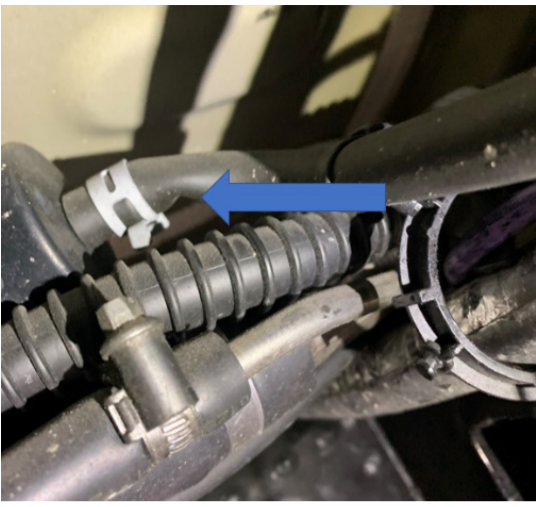
Inspect the air suspension compressor air inlet hose for being pinched or twisted and preventing air from entering the air suspension compressor. The air inlet hose assembly is shown as #17 below. If you find the air inlet hose pinched or twisted, repair as needed.



Example of twisted hoses on the 2024 Hummer EV



Example of a pinched hose on a 2023 Cadillac Escalade below:



## Version History

Version	1
Modified	03/28/2024 - Created on.



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