



Bulletin No.: PIT5854B

Published date: 07/11/2024

Preliminary Information

PIT5854B Service Leveling System/Speed Limited Message Due to Aftermarket Modifications

Models

Brand:	Model:	Model Years:	VIN: from to	Engine:	Transmissions:
Cadillac	Escalade	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	Yukon	2021 - 2024	All All	All	All

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Involved Region or Country	North America
Additional Options (RPO)	F47
Condition	Some customers may comment on a Service Leveling System/Speed Limited message on DIC. Dealers may find no DTC's present.
Cause	This could be caused by incorrect vehicle ride height variance due to an aftermarket lowering kit installed.

Correction:

Inspect for vehicle ride height being altered by performing the Trim Height Inspection (example Document ID # 5568651.)

These lowering kits can cause premature wear to the air suspension components, tires, CV joint, and also affect headlamp aiming.

Vehicle Ride Height lowered

Note: Decreased distance between top of tire and fender well.

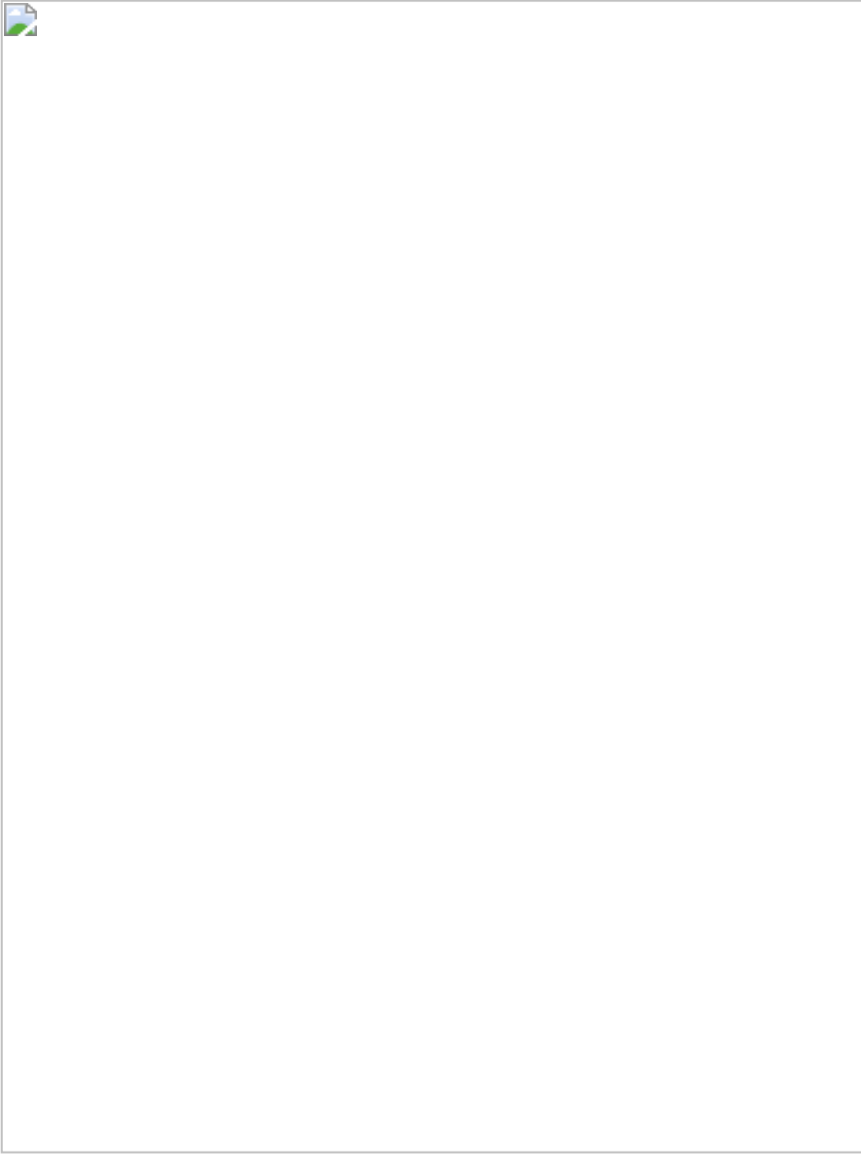


If the suspension has been found to be lower than factory settings, inspect for aftermarket adjustable suspension height sensor links being installed.

Factory suspension height sensor links are not adjustable. As shown below:



Aftermarket Adjustable suspension height sensor links. As shown below:



Aftermarket Adjustable Height Sensor Linkages incorrectly adjusted side to side.



Aftermarket Adjustable Height Sensor Link not secured properly, preventing accurate height sensor readings.



Notice Angle or Rear Axle Drive Shaft due to suspension being lowered.



Warranty Information

Any concerns or damage that occurs as a result of vehicle modification may not be covered under the Terms of the New Vehicle Limited Warranty. Reference the latest version of TSB [09-00-89-016](#) (Warranty Administration - Labor Operation 0600014 - Suspected Tampering or Vehicle Modifications) if needed.

Version History

Version	3
Modified	09/21/2021 - Created on. 06/21/2022 - Added 2022 Model Year and Hummer EV 07/11/2024 - Updated Model Years