



**Bulletin No.:** PIT6144A

**Published date:** 06/21/2024

## Preliminary Information

### PIT6144A Diagnostic Tip for Service Leveling System Message And DTC: C1197

#### Models

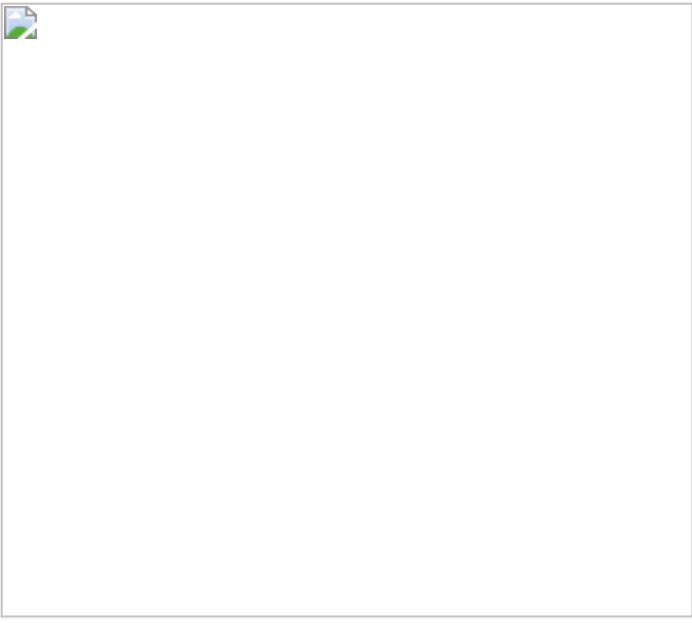
<b>Brand:</b>	<b>Model:</b>	<b>Model Years:</b>	<b>VIN: from to</b>	<b>Engine:</b>	<b>Transmissions:</b>
Cadillac	Escalade Models	2021 - 2024	All All	All	All
Chevrolet	Suburban	2021 - 2024	All All	All	All
Chevrolet	Tahoe	2021 - 2024	All All	All	All
GMC	HUMMER EV	2022 - 2024	All All	All	All
GMC	HUMMER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

<b>Involved Region or Country</b>	<b>North America</b>
<b>Additional Options (RPO)</b>	<b>F47 Air Ride Adaptive Suspension</b>
<b>Condition</b>	<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>
<b>Cause</b>	<b>This condition may be caused by a plugged or pinched air inlet hose to the air suspension compressor assembly.</b>

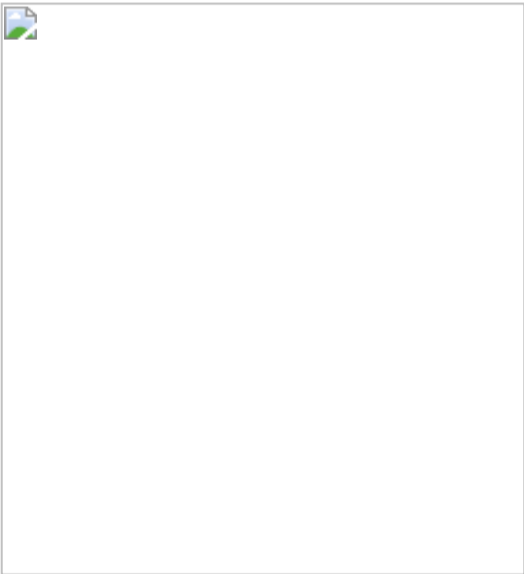
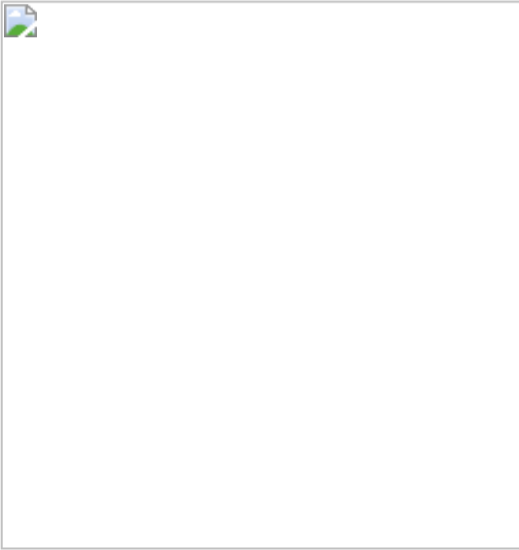
#### Correction:

**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.**



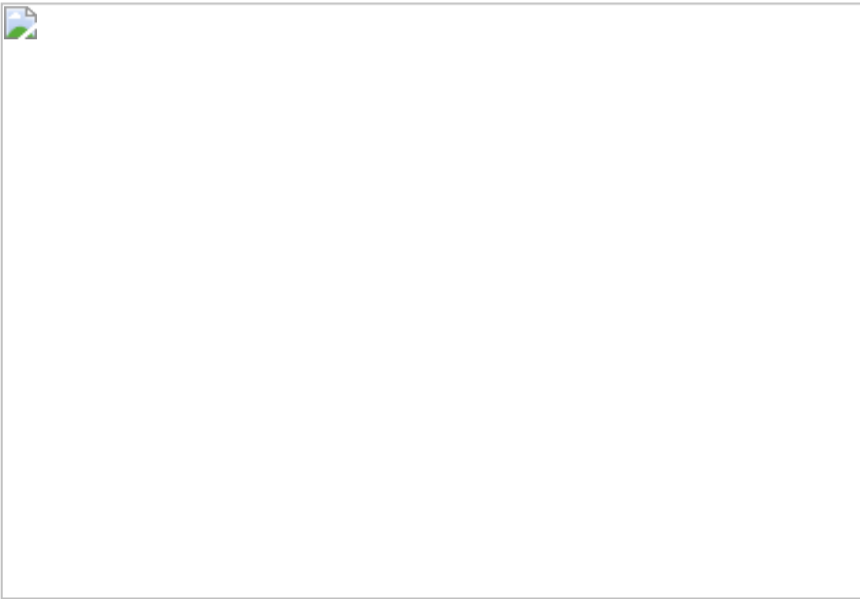
**Example of twisted hoses on the 2024 Hummer EV SUV**



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



**The 2024 Hummer EV Pickup may have an kinked hose due to a air inlet hose fastener that is located in a incorrect mounting hole that restricts the air inlet hose. See Below:**



**Locate the air suspension line assembly bracket in the right rear of the vehicle and make sure the air inlet line retainer is attached to the bracket as shown above in the locator hole marked by # 2.**

**If the hose retainer is in location #1, it will restrict the air inlet hose and you will need to remove the retainer clip and install it in location #2.**

### **Version History**

<b>Version</b>	<b>2</b>
<b>Modified</b>	<b>03/28/2024 - Created on. 06/21/2024- Updated the correct field to add photo of Hummer EV Pick up</b>