



Service Bulletin

Bulletin No.: 22-NA-223


Date: November, 2022

INFORMATION

Subject: Information on Clicking and/or Chattering Noise Coming From the Rear of the Vehicle While Making Tight Turns

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	3500/4500 Medium Duty (LCF)	2016	2020			L96	
	3500/4500 Medium Duty (LCF)	2020	2023			4HK1	
	4500HD/4500XD Medium Duty (LCF)	2017	2023			4HK1	
	5500HD/5500XD Medium Duty (LCF)	2017	2023			4HK1	
	6500XD Medium Duty (LCF)	2019	2020			4HK1	

Involved Region or Country	North America
Additional Options (RPOs)	G86: AXLE-LIMITED SLIP
Condition	Some customers with N-series vehicles may comment that an audible clicking or chattering noise coming from the rear of the vehicle while making tight turns.
Cause	<p>This condition may be caused by incorrect axle fluid having been used during the last scheduled maintenance or in a previous repair.</p> <ul style="list-style-type: none"> – The condition can also result from delayed or skipped maintenance resulting in degradation of axle fluid.

<p>Information</p>	 <p style="text-align: right;">6182582</p> <p>Refer to the graphic above to identify a limited slip differential or check the vehicle build in IVH (Investigate vehicle History) for Option Code G86.</p> <p>– LSD Stamp Codes</p> <ul style="list-style-type: none"> • B7 • D0 • D8 • D9 • H0 • H9 <p>To resolve this problem, take the following steps/actions.</p> <ol style="list-style-type: none"> 1. Replace the differential gear oil with a commercially-available gear oil (SAE80W-90 GL-5, SAE90 GL-5) and add 20oz of limited slip differential lubricant additive (P/N 88900330 (quantity of five (5), 4oz bottles). Refer to <i>Fluid and Lubricant Recommendations in SI</i>. 2. Road test the vehicle for at least 10 miles by making eight to ten tight left and right turns, such as going around a corner, to ensure the limited slip is activated and to determine if there is no longer any audible clicking or chattering noise coming from the rear of the vehicle during tight turns. 3. If the condition persists, technicians are to call the Technical Assistance Center (TAC)
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Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

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