



Service Bulletin

Bulletin No.: 23-NA-029

Date: September, 2023

TECHNICAL

Subject: Transmission Grinds When Put Into Gear, Slipping, No Movement When Shifted Into Drive or Reverse

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	XT5	2023	2023			LGX, LFY	M3W
	XT6						M3V
Chevrolet	Blazer						M3V
	Traverse						M3W
GMC	Acadia						

Involved Region or Country	North America, Europe, Uzbekistan, Middle East, Israel, Palestine, Bolivia (West), Chile (West), Colombia (West), Ecuador (West), Peru (West), Cadillac Korea (South Korea), Egypt
Condition	Some customers may comment on one or more of the following conditions: <ul style="list-style-type: none"> Grinding noise Transmission slipping No movement when shifted in drive or reverse
Cause	This condition may be caused by the left side axle (driver's side axle) is not fully seated in the transmission.
Correction	Remove the transmission from the vehicle and replace the front differential carrier sun gear and the left axle shaft following SI published procedures.

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.

Service Procedure

Refer to *Front Differential Carrier Removal in SI* and *Front Differential Carrier Installation in SI*.

Parts Information

Causal Part	Description	Part Number	Qty
X	GEAR, FRT DIFF CARR SUN	24290255	1
N/A	SEAL, A/TRNS FLUID PUMP	24268389	1
N/A	GASKET, T/ CV HSG	24267848	1
N/A	SHAFT, FRT WHL DRV HALF	84990736 (Traverse LFY, M3V)	1
		84990735 (XT5 and Acadia LGX, M3W)	
		84990734 (XT6, LGX, M3W and Blazer LGX, M3V)	
N/A	WASHER, FRT WHL DRV SHF	11611965	2
N/A	FLUID, A/TRANS	Refer to EPC	As Required

Warranty Information

For vehicles repaired under the Powertrain coverage, use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
8486258*	Front Differential Carrier Sun Gear Replacement	8.4 hr
Add		3.5 hr for LGX & AWD
Add		.4 hr for LFY & FWD
Add		5.6 hr for LFY & AWD
Add		2.3 hr for XT6 w/LGX & FWD
Add		5.2 hr for XT6 w/LGX & AWD
*This is a unique Labor Operation for Bulletin use only.		

Version	2
Modified	Released April 11, 2023 Revised September 07, 2023 - Updated the SHAFT, FRT WHL DRV HALF Part Numbers in the Parts Information section.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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