Manufacturer Name :General Motors, LLCSubmission Date :OCT 28, 2024NHTSA Recall No. :24V-797Manufacturer Recall No. :N242454440

### Manufacturer Information :

Manufacturer Name : General Motors, LLC

Address : 29427 Louis Chevrolet Road MAIL CODE 480-210-2V WARREN MI 48093 Company phone : 586-596-1733

### Vehicle Information :

Vehicle 1:	2021-2021 Ca	dillac Escalado	5	
Vehicle Type :				
Body Style :				
Power Train :	NR			
Descriptive Information :	2021 Cadillac may experienc			used to determine vehicles that
				el engines. Vehicles equipped e not affected by this recall.
	There are 885	Cadillac Escal	ade vehicles affected by	this recall.
Production Dates :	AUG 17. 2020	- SEP 21, 2021		
VIN Range 1:		NR	End: NR	Not sequential
	2021-2021 Ca	dillac Escalade	e ESV	
Vehicle Type :				
Body Style : Power Train :	ND			
				-l
Descriptive information :	defect condition		e used to determine vehi	cles that may experience the
		0	1 11	el engines. Vehicles equipped e not affected by this recall.
	with gas engin	ies use a differ	1 11	e not affected by this recall.
Production Dates :	with gas engir There are 635	nes use a differ Cadillac Escal	ent transmission and arade ESV vehicles affecte	e not affected by this recall.



Number of potentially involved : 461,839 Estimated percentage with defect : 1 %

**Population :** 

Vehicle 3	2020-2022 Chev	vrolet Silverado	1500		
Vehicle Type :			1500		
Body Style :					
Power Train :		1	1. 1		
Descriptive Information :	defect condition		ed to de	termine vehicles that may	experience the
	•			ped with diesel engines. V ission and are not affected	
	2022 Silverado 2 recall.	1500 vehicles p	roduced	l after March 21, 2022 are	not affected by this
	There are 66,89	7 Chevrolet Silv	erado 1	500 vehicles affected by th	is recall.
Production Dates :			- 1		
VIN Range 1:	Begin :	NR	End :	NR	Not sequential
Vehicle 4:	2020-2022 Chev	vrolet Silverado	2500/3	3500	
Vehicle Type :					
Body Style : Power Train :	ND				
Descriptive Information :		acards wara us	od to do	torming vohiclos that may	ovporionco tho
Descriptive mormation.	defect condition		eu to ue	termine venicies that may	experience the
				ped with diesel engines. V ission and are not affected	
	0 0			2500/3500 vehicles affect	·
Production Dates :	JAN 28, 2019 - J/	AN 11, 2022			
VIN Range 1:		NR	End :	NR	□ Not sequential

Vehicle 5 Vehicle Type		Chevrolet Subı	ırban	
Body Style	:			
Power Train Descriptive Information			re used to determine vehicle	es that may experience the
		v	ehicles equipped with diesel erent transmission and are r	engines. Vehicles equipped not affected by this recall.
	There are 2	525 Chevrolet	Suburban vehicles affected	by this recall.
Production Dates	: AUG 17, 202	20 - SEP 17, 202	21	
VIN Range 1	: Begin :	NR	End: NR	☐ Not sequentia
Vehicle 6 Vehicle Type Body Style	:	Chevrolet Taho	De	
Power Train				
Descriptive Information	Manufactur defect cond		re used to determine vehicle	es that may experience the
	<b>TTL</b> 11			
		v	ehicles equipped with diesel erent transmission and are r	engines. Vehicles equipped not affected by this recall.
	with gas eng	gines use a diff		not affected by this recall.
Production Dates	with gas eng There are 3 AUG 18, 202	gines use a diff 858 Chevrolet 20 - SEP 16, 202	erent transmission and are r Tahoe vehicles affected by t 21	not affected by this recall. his recall.
	with gas eng	gines use a diff	erent transmission and are r	not affected by this recall.
Production Dates VIN Range 1	with gas eng There are 3 AUG 18, 202	gines use a diffe 858 Chevrolet	erent transmission and are r Tahoe vehicles affected by t	not affected by this recall. his recall.
	with gas eng There are 3 AUG 18, 202	gines use a diff 858 Chevrolet 20 - SEP 16, 202	erent transmission and are r Tahoe vehicles affected by t 21	not affected by this recall.

Vehicle 7 : Vehicle Type :	2020-2022 G	MC Sierra 150	0	
Body Style :				
Power Train :		_		
Descriptive Information :	Manufacturin defect conditi		e used to determine vehicl	es that may experience the
			hicles equipped with diese erent transmission and are	l engines. Vehicles equipped not affected by this recall.
	2022 Sierra 1 recall.	500 vehicles	produced after March 21, 2	022 are not affected by this
	There are 80,	033 GMC Sier	ra 1500 vehicles affected b	y this recall.
Production Dates :	MAY 15, 2019	9 - MAR 18, 20	22	
VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential
Vehicle 8 : Vehicle Type : Body Style : Power Train :	2020-2022 G	MC Sierra 250	00/3500	
			re used to determine vehicl	es that may experience the
			hicles equipped with diese rent transmission and are	l engines. Vehicles equipped not affected by this recall.
	There are 135	5,323 GMC Sie	rra 2500/3500 vehicles aff	fected by this recall.
Production Dates :	JAN 18, 2019	- JAN 07, 2022	2	
VIN Range 1:	Begin :	NR	End: NR	☐ Not sequentia

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Vehicle 9:   2021-2021 GMC Yukon     Vehicle Type :   Body Style :     Power Train :   NR     Descriptive Information :   Manufacturing records were used to determine vehicles that may experience the defect condition.     This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR     End :   NR     Descriptive Information :   Maufacturing records were used to determine vehicles that may experience the defect condition.     Vehicle 10:   2021-2021 GMC Yukon XL     Vehicle 10:   Maufacturing records were used to determine vehicles that may experience the defect condition.     This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 22, 2021     There are 2,162 GMC Yukon XL vehicles affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 2							
Power Train:   NR     Descriptive Information:   Manufacturing records were used to determine vehicles that may experience the defect condition.     This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates:   AUG 17, 2020 - SEP 22, 2021     VIN Range 1:   Begin:   NR   Intereare 2,980 GMC Yukon vehicles affected by this recall.     Vehicle 10:   2021-2021 GMC Yukon XL.   Vehicle Type :   Not sequential     Vehicle 10:   2021-2021 GMC Yukon XL.   Vehicle Type :   Body Style :     Power Train:   NR   Intere are 2,182 GMC Yukon XL.     Vehicle Type :   Body Style :   Power Train:   NR     Descriptive Information:   Manufacturing records were used to determine vehicles that may experience the defect condition.   This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates:   AUG 17, 2020 - SEP 22, 2021   There are 2,162 GMC Yukon XL vehicles affected by this recall.     Production Dates:   AUG 17, 2020 - SEP 22, 2021   VIN Range 1: Begin :   NR   Intereare 2,062 GMC Yukon XL vehicles affected by this recall.     Production Dates:   AUG 17, 2020 - SE		Vehicle Type :	2021-2021 GMC	2 Yukon			
defect condition.   This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     There are 2,980 GMC Yukon vehicles affected by this recall.     Production Dates : AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR     End :   NR     Owner Train :   NR     Power Train :   NR     End :   NR     Descriptive Information :   Manufacturing records were used to determine vehicles that may experience the defect condition.     This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR     End :   NR     End :   NR     Production Dates :   AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR     End :   NR     End :   NR     In erral :   Not sequential             Production Dates :     AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR <t< td=""><th></th><td>0 0</td><td>NR</td><td></td><td></td><td></td><td></td></t<>		0 0	NR				
with gas engines use a different transmission and are not affected by this recall.     There are 2,980 GMC Yukon vehicles affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR   End :   NR     Vehicle 10 :   2021-2021 GMC Yukon XL   Vehicle Type :   Body Style :     Power Train :   NR   End :   NR   Ind :     Descriptive Information :   Manufacturing records were used to determine vehicles that may experience the defect condition.     This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR   End :   NR     Description of Defect :   Intere are 2,162 GMC Yukon XL vehicles affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 22, 2021   VIN Range 1 : Begin :   NR   End :   NR     Description of Defect :   Ceneral Motors has decided that a defect which relates to motor vehicle safety may exist in certain: 2020 - 2022 Chevrolet 1500/2500/3500 and GMC Sierra 1500/2500/3500 and 2021 model year Cadillae Escalade and Escalade ESV, Chevrolet Suburban and Tahoe, and GMC Yukon and Yukon XL vehicles equipped with diesel engines. A transmission ontrol valve in some of these vehicles may be		-	0		ed to de	etermine vehicles that ma	ay experience the
Production Dates:   AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR   End :   NR   Indianal     Vehicle 10:   2021-2021 GMC Yukon XL   Vehicle Type :   NR   Indianal     Body Style :   Power Train :   NR   NR   Indianal     Power Train :   NR   Indianal   Indianal   Indianal     Descriptive Information :   Manufacturing records were used to determine vehicles that may experience the defect condition.   This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates:   AUG 17, 2020 - SEP 22, 2021   There are 2,162 GMC Yukon XL vehicles affected by this recall.     Production Dates:   AUG 17, 2020 - SEP 22, 2021   NR   Indianal   Not sequential     Description of Defect:   Secription of the Defect :   Rend :   NR   Indianal   Not sequential     Description of the Defect :   General Motors has decided that a defect which relates to motor vehicle safety may exist in certain: 2020 - 2022 Chevrolet 1500/2500/3500 and GMC Sierra 1500/2500/3500 and 2021 model year Cadillac Escalade and Escalade ESV. Chevrolet Suburban and Tahoe, and GMC Yukon XL vehicles equipped with diesel engines. A transmission control valve in some of these vehicles may be susceptible to excess wear over time, resutling in a			Ũ				
VIN Range 1 : Begin :   NR   End : NR   Not sequential     Vehicle 10 :   2021-2021 GMC Yukon XL   Vehicle Type :   Body Style :     Body Style :   Power Train :   NR   Descriptive Information :   Manufacturing records were used to determine vehicles that may experience the defect condition.     This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR   End : NR   Not sequential     Description of Defect :   Secription of the Defect :   General Motors has decided that a defect which relates to motor vehicle safety may exist in certain: 2020 - 2022 Chevrolet 1500/2500/3500 and GMC Sierra 1500/2500/3500 and 2021 model year Cadillac Escalade and Escalade ESV, Chevrolet Suburban and Tahoe, and GMC Yukon and Yukon XL vehicles equipped with diesel engines. A transmission control valve in some of these vehicles may be susceptible to excess wear over time, resulting in a gradual loss of pressure within the valve that can cause harsh shifting. In rare cases, the rear wheels may experience a momentary lock up.     FMVSS 1 :   NR		1	There are 2,980	GMC Yukon ve	hicles af	fected by this recall.	
VIN Range 1 : Begin :   NR   End : NR   Not sequential     Vehicle 10 :   2021-2021 GMC Yukon XL   Vehicle Type :   Body Style :     Body Style :   Power Train :   NR   Power Train :   NR     Descriptive Information :   Manufacturing records were used to determine vehicles that may experience the defect condition.   This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 22, 2021   VIN Range 1 : Begin :   NR   End :   NR   Not sequential     Description of Defect :   NR   End :   NR   Ind :   Not sequential     Description of the Defect :   General Motors has decided that a defect which relates to motor vehicle safety may exist in certain: 2020 - 2022 Chevrolet 1500/2500/3500 and GMC Sierra 1500/2500/3500 and 2021 model year Cadillac Escalade and Escalade ESV, Chevrolet Suburban and Tahoe, and GMC Yukon and Yukon XL vehicles equipped with diesel engines. A transmission control valve in some of these vehicles may be susceptible to excess wear over time, resulting in a gradual loss of pressure within the valve that can cause harbs shifting. In rare cases, the rear wheels may experience a momentary lock up.     FMVSS 1 :   NR		Production Dates : A	AUG 17, 2020 - S	SEP 22, 2021			
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Vehicle Type : Body Style : Power Train :NRDescriptive Information : Manufacturing records were used to determine vehicles that may experience the defect condition.Descriptive Information : With gas engines use a different transmission and are not affected by this recall. There are 2,162 GMC Yukon XL vehicles affected by this recall.Production Dates : VIN Range 1 :AUG 17, 2020 - SEP 22, 2021 NRVIN Range 1 :NREnd : MRNRDescription of Defect :Description of the Defect :Description of the Defect :FWYSS 1 : NRNREnd: Song Persure within the valve that can cause harsh shifting. In rare cases, the rear wheels may experience a momentary lock up.FWYSS 1 :NR			0				_
Body Style :     Power Train :   NR     Descriptive Information :   Manufacturing records were used to determine vehicles that may experience the defect condition.     This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates :   AUG 17, 2020 - SEP 22, 2021     VIN Range 1 : Begin :   NR     End :   NR     Description of Defect :   General Motors has decided that a defect which relates to motor vehicle safety may exist in certain: 2020 - 2022 Chevrolet 1500/2500/3500 and GMC Sierra 1500/2500/3500 and 2021 model year Cadillac Escalade and Escalade ESV, Chevrolet Suburban and Tahoe, and GMC Yukon and Yukon XL vehicles equipped with diesel engines. A transmission control valve in some of these vehicles may be susceptible to excess wear over time, resulting in a gradual loss of pressure within the valve that can cause harsh shifting. In rare cases, the rear wheels may experience a momentary lock up.     FMVSS 1 :   NR			2021-2021 GMC	Yukon XL			
Power Train:   NR     Descriptive Information:   Manufacturing records were used to determine vehicles that may experience the defect condition.     This recall only involves vehicles equipped with diesel engines. Vehicles equipped with gas engines use a different transmission and are not affected by this recall.     Production Dates:   AUG 17, 2020 - SEP 22, 2021     VIN Range 1:   NR   End: NR     Description of Defect:   Secret in certain: 2020 - 2022 Chevrolet 1500/2500/3500 and GMC Sierra 1500/2500/3500 and 2021 model year Cadillac Escalade and Escalade ESV, Chevrolet Suburban and Tahoe, and GMC Yukon XL vehicles equipped with diesel engines. A transmission control valve in some of these vehicles may be susceptible to excess we are over time, resulting in a gradual loss of pressure within the valve that can cause harsh shifting. In rare cases, the rear wheels may experience a momentary lock up.     FMVSS 1:   NR		• •					
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Production Dates : AUG 17, 2020 - SEP 22, 2021 VIN Range 1 : Begin :   NR   End : NR   Not sequential     Description of Defect :     Description of the Defect :   General Motors has decided that a defect which relates to motor vehicle safety may exist in certain: 2020 - 2022 Chevrolet 1500/2500/3500 and GMC Sierra 1500/2500/3500 and 2021 model year Cadillac Escalade and Escalade ESV, Chevrolet Suburban and Tahoe, and GMC Yukon and Yukon XL vehicles equipped with diesel engines. A transmission control valve in some of these vehicles may be susceptible to excess wear over time, resulting in a gradual loss of pressure within the valve that can cause harsh shifting. In rare cases, the rear wheels may experime a momentary lock up.     FMVSS 1 :   NR			Ũ				
VIN Range 1 : Begin :   NR   End : NR   Indication     Description of Defect :   Image: Not sequential   Image: Not sequential     Description of the Defect :   Image: Second S		1	There are 2,162	GMC Yukon XL	vehicle	s affected by this recall.	
Description of Defect :     Description of the Defect :     General Motors has decided that a defect which relates to motor vehicle safety may exist in certain: 2020 – 2022 Chevrolet 1500/2500/3500 and GMC Sierra 1500/2500/3500 and 2021 model year Cadillac Escalade and Escalade ESV, Chevrolet Suburban and Tahoe, and GMC Yukon and Yukon XL vehicles equipped with diesel engines. A transmission control valve in some of these vehicles may be susceptible to excess wear over time, resulting in a gradual loss of pressure within the valve that can cause harsh shifting. In rare cases, the rear wheels may experience a momentary lock up.     FMVSS 1 :   NR		Production Dates : A	AUG 17, 2020 - S	SEP 22, 2021			
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Description of the Defect :General Motors has decided that a defect which relates to motor vehicle safety may exist in certain: 2020 – 2022 Chevrolet 1500/2500/3500 and GMC Sierra 1500/2500/3500 and 2021 model year Cadillac Escalade and Escalade ESV, Chevrolet Suburban and Tahoe, and GMC Yukon and Yukon XL vehicles 							
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FMVSS 1: NR		Description of the Defect	may exist in 1500/2500/ Chevrolet Su equipped wi vehicles may loss of press	certain: 2020 – '3500 and 2021 burban and Tal th diesel engine be susceptible ure within the v	2022 Cl model y noe, and es. A tra to exces valve tha	hevrolet 1500/2500/350 year Cadillac Escalade an I GMC Yukon and Yukon Z Insmission control valve i ss wear over time, resulti at can cause harsh shiftin	00 and GMC Sierra Id Escalade ESV, XL vehicles in some of these ing in a gradual
		FMVSS 1					

The information contained in this report was submitted pursuant to 49 CFR §573

Description of the Safety Risk :	If the rear wheels lock-up momentarily while driving, there is increased risk of a crash.
Description of the Cause :	Excessive wear within the transmission control valve body can cause a fluid leak leading to a pressure drop that causes certain valves to move unexpectedly.
Identification of Any Warning that can Occur :	Drivers may notice harsh shifting.

#### **Involved Components :**

Component Name 1:	VALVE, CONT (W/BODY & VLV)
Component Description :	Transmission Control Valve Body
Component Part Number :	24053053, 24048701, 24298877, 24299093, 24043767, 24049465, 24044192, 24047995

#### **Supplier Identification :**

#### **Component Manufacturer**

Name : NR Address : NR NR Country : NR

#### **Chronology** :

On June 5, 2024, a GM engineer submitted a report to GM's Speak Up for Safety (SUFS) program based on a customer claim that the wheels on a 2021 Sierra 2500 HD pickup allegedly locked up while towing a trailer, resulting in property damage to the vehicle and trailer. GM opened a new investigation into the condition on July 16, 2024.

GM previously investigated this condition and determined that, in some applications, excessive wear in a control valve in these transmissions was causing harsh downshifting and, in rare cases, a momentary (<150 ms) lock up of the rear wheels. Prior testing and analysis indicated this lockup was not sufficient to cause a loss of vehicle control, and GM had identified no reports of accidents or injuries associated with the condition.

On July 29, 2024, NHTSA notified GM that its VOQ monitoring process had identified new potentially related reports. GM's investigator completed analysis of the VOQs and a comprehensive field data search on September 17, 2024, which identified 1,888 field reports alleging a "lock up" potentially related to this

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condition. GM received these reports between January 30, 2020 and August 2, 2024. GM also identified eleven alleged incidents potentially related to the condition, including vehicles veering off the roadway and, in some cases, incurring minor property damage. Three minor injuries were also reported, none of which were associated with a collision. GM and NHTSA also discussed a potentially related vehicle owner questionnaire (VOQ) in January 2024.

On October 17, 2024, GM's Safety Field Action Decision Authority (SFADA) decided to conduct a safety recall.

#### **Description of Remedy :**

Description of Remedy Program :	monitor valve performance and detect excess wear approximately 10,000 miles before a wheel lock up condition could occur. Once detected, the transmission will be limited to fifth gear, preventing the possibility of a wheel lock up condition, which occurs in a downshift from eighth gear. A service engine light and reduced propulsion message will also display in the instrument panel.
	Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to the plan submitted under USG 5916 on May 12, 2023.
· -	The new transmission control software will detect this condition and prevent rear wheel lock-up by placing the transmission into fifth gear until the next key cycle. This will be accompanied by a service engine light and reduced propulsion message. The driver will experience this as sluggish or reduced propulsion.
dentify How/When Recall Condition was Corrected in Production :	5 I

#### **Recall Schedule :**

Description of Recall Schedule :	Dealers will be notified on October 24, 2024. Owner notification is
-	estimated to begin on December 9, 2024.
Planned Dealer Notification Date :	OCT 24, 2024 - OCT 24, 2024
Planned Owner Notification Date :	DEC 09, 2024 <sup>-</sup> DEC 09, 2024

\* NR - Not Reported

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