



# Service Bulletin

Bulletin No.: 23-NA-149

Date: February, 2024

## TECHNICAL

**Subject: Check Trailer Wiring Message Displayed, Trailer Brake Disabled, and/or DTC C1114 Stored when Pulling Trailer with a Battery Generator or Solar Charger**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	Escalade Models	2023	2023	-	-	All	All
Chevrolet	Silverado 2500HD/ 3500HD	2024	2024				
	Silverado EV	2024	2024				
	Colorado	2023	2023				
	Silverado 4500/5500	2023	2023				
	Suburban	2023	2023				
	Tahoe	2023	2023				
GMC	Sierra 2500HD/ 3500HD	2024	2024				
	HUMMER EV	2024	2024				
	HUMMER EV SUV	2024	2024				
	Canyon	2023	2023				
	Yukon Models	2023	2023				

<b>Involved Region or Country</b>	North America, Middle East, Israel
<b>Condition</b>	Some customers may comment on a check trailer wiring message displayed, trailer brake disabled when pulling trailer with a battery generator or solar charger. During Diagnosis a technician may find DTC C1114 set/stored.
<b>Cause</b>	The issue may be caused by the solar panel battery charger or generator on the customer's trailer. If the trailer battery becomes fully charged and has a higher charge than the vehicle battery, it can back feed into the trailer brake power module and cause it to shut down. Additional information for some ICE vehicles and EVs: <ul style="list-style-type: none"> <li>• For ICE (internal combustion engine) vehicles - During vehicle start up or stop/start event</li> <li>• For EV's (electric vehicles) – When vehicle placed in propulsion (PROP)</li> </ul> If the trailer battery has a higher state of charge than the vehicle battery, it can also cause this condition until the vehicle's charging system brings the vehicle battery up to a higher state of charge. The message should go away and the trailer brakes will work as normal.
<b>Correction</b>	Replace the trailer brake module with updated part.

## Service Procedure

**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.**

If you encounter a vehicle with the above concern, replace the trailer brake module. Refer to *Trailer Brake Control Module Replacement* in Si.

## Parts Information

Causal Part	Description	Part Number	Vehicles
X	Trailer Brake Control Module	23306694	Silverado HD/ Sierra HD Colorado/ Canyon HUMMER EV Silverado EV
		84857588	Suburban Tahoe Escalade Yukon
		23337305	4500/5500

## Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
2210300	Trailer Brake Control Module Replacement	Use Published Labor Operation Time

Version	3
Modified	Released September 01, 2023 Revised September 15, 2023 – Added Suburban, Tahoe, Yukon, Escalade Models and Part #. Revised February 15, 2024 – Updated Subject and Condition.

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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