



Service Bulletin

Bulletin No.: 23-NA-149

Date: October, 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:		Vehicles Production Build Date:		Engine:	Transmission :
		from	to	from	to		
Cadillac	Escalade Models	2023	2023	SOP	January 21, 2024	All	All
	Silverado EV	2024	2024				
	Colorado	2023	2023				
	Silverado 4500/5500	2023	2023				
	Suburban	2023	2023				
	Tahoe	2023	2023				
	HUMMER EV	2024	2024				
	HUMMER EV SUV	2024	2024				
	Canyon	2023	2023				
	Yukon Models	2023	2023				

Involved Region or Country	North America, Middle East, Israel
Condition	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.
Cause	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: • For ICE (internal combustion engine) vehicles - During vehicle start up or stop/start event • For EV's (electric vehicles) – When vehicle placed in propulsion (PROP) 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.
Correction	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.

Important: This technical service bulletin (TSB) can only be completed by certified repair facilities who have met all specific training, tool and equipment requirements pertaining to the vehicle Brand and Model serviced. Repairs must be performed by a technician who has successfully completed the required training.

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	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	5
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. Revised June 07– Added Production Vehicle Build Date Breakpoint. Revised October 25, 2024 – Removed 2024 HD Silverado and Sierra.

