

Part 573 Safety Recall Report

22V-876

Manufacturer Name : Daimler Trucks North America, LLC**Submission Date :** JUN 27, 2023**NHTSA Recall No. :** 22V-876**Manufacturer Recall No. :** FL-960**Manufacturer Information :****Population :**

Manufacturer Name : Daimler Trucks North America, LLC

Number of potentially involved : 151

Address : 4747 N. Channel Avenue

Estimated percentage with defect : 100 %

Portland OR 97217-3849

Company phone : 800-745-8000

Vehicle Information :

Vehicle 1 : 2023-2023 Thomas Built Busses SAF-T-LINER C2 JOULEY 1-74 passenger bus

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Supplier alerted FCCC of a voluntary recall of a group of electric vehicle battery packs used on SAF-T-LINER C2 JOULEY School Busses. According to the supplier, these battery packs, due to a potential defect in the foil harness, may lose communication between the battery and Battery Management System. In the configuration of battery packs used on the Jouley, that loss of communication, in turn, could potentially result in a decrease of vehicle power, albeit not a complete loss of power. DTNA investigated the issue and out of an abundance of caution decided to recall on the supplier's early notification.

Production Dates : DEC 21, 2021 - SEP 02, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The supplier indicated that the defect occurs due to a defect in the joint of a foil pack in the harness. This results in a loss communication between the battery and the battery management system (BMS). The battery pack would be powered down and result in a change in the vehicles state of charge (SOC). The SAF-T-LINER C2 JOULEY features a parallel battery configuration, thus the vehicle will see a sudden decline in SOC, and potentially experience a series of on displayed warnings, and potentially de-rate.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Failure mode could result in a loss of power due to sudden change of SOC, which could decrease the vehicle's motive power, and which in turn could

increase the possibility of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : No known warning prior to the decrease in power on the configuration used in the Jouley.

Involved Components :

Component Name 1 : Battery Assembly HV 2170 EB2

Component Description : HV Battery Pack

Component Part Number : A66-24665-000

Supplier Identification :

Component Manufacturer

Name : Proterra

Address : 1 Whitlee Ct.

Greenville South Carolina 29607

Country : United States

Chronology :

DTNA learned on 11/18/2022 of the intent of Proterra to recall for a potential defect. 11/21/2022, DTNA immediately began investigating the battery serial list provided by Proterra to find potentially affected vehicles and locate uninstalled components. On 11/23/2022 out of an abundance of caution, DTNA decided to recall. In December, 2022, DTNA received a revised list of affected battery serial numbers from the supplier and, upon cross-referencing that list with production vehicle delivery information, determined that the population of affected US SAF-T-LINER C2 JOULEY units was one hundred-thirty five (twenty-four less than originally reported); DTNA amends this notification accordingly. On May 1, 2023, Proterra first notified DTNA of additional suspect batteries and at that time sent to DTNA a list of additional potential suspect battery serials not included on the initial population list. DTNA immediately matched these battery serials to VINs. In doing so, DTNA found 16 additional SAF-T-LINER C2 JOULEY vehicles not earlier identified as part of the recall population; DTNA amends this notification accordingly. DTNA is not aware of any field occurrences related to this failure. There are no death and/or injuries. On June 27, 2023, DTNA amended its Defect Information Report to update the description of the remedy to clarify that the battery packs on the affected vehicles will be inspected and if needed, the battery packs will be replaced.

Description of Remedy :

Description of Remedy Program : The battery packs will be inspected by connecting to a Proterra Diagnostics Tool to look for two specific fault codes relating to a battery pack brick failure, if either of the specific fault codes are present, the battery pack will be replaced. The repair will be performed by certified HV3 Daimler Truck North America authorized service facilities and will take approximately half an hour. Daimler Truck North America shall be offering a refund for owner-paid repairs covered by this recall if the repair was performed prior to the date indicated in the reimbursement plan, which will be posted with owner's notification letter. Owners are directed to seek reimbursement through authorized dealers.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected. Interim customer notifications were sent on 01/17/2023.

Planned Dealer Notification Date : JUL 10, 2023 - JUL 10, 2023

Planned Owner Notification Date : JUL 10, 2023 - JUL 10, 2023

* NR - Not Reported