

## Defect / Noncompliance Information Report

(Section 573.6)

### **FL-960**

**Date of Submission: November 23, 2022 (Amended May 5, 2023)**

**Manufacturer:** Daimler Truck North America LLC  
P.O. BOX 3849  
Portland, Oregon 97208

**Type of Report:**       **Safety Defect**       **Non-Compliance**

### **Vehicle Information**

**Model Yr. Start:** 2023

**Model Yr. End:** 2023

**Make:** Freightliner Custom Chassis Corporation (FCCC)

**Model:** MT50e with GVWR 19000-23000

**Production Dates:**    **Begin:** 4/20/2022      **End:** 11/16/2022

### **Descriptive Information:**

*Supplier alerted FCCC of a voluntary recall of a group of electric vehicle battery packs used on MT50e Walk-in-Vans. 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 MT50e, that loss of communication, in turn, could potentially result in loss of vehicle power. DTNA investigated the issue and out of an abundance of caution decided to recall on the supplier's early notification.*

### **Basis for Determination of the Recall Population:**

The supplier of the electric vehicle battery notified DTNA of the specific part serials with a potential defect. At the current time, certain vehicles, determined by supplier's battery serial numbers, are included in the recall population. However, as DTNA continues to investigate, the population may be amended.

**Number potentially involved:** 10

**Estimated percentage of involved with defect:** 100%

## **Defect / Noncompliance Description**

### **For this Defect/Noncompliance:**

#### **Describe the defect or noncompliance:**

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 MT50e features a series battery configuration, thus the vehicle if affected would see a sudden loss of power.

#### **Describe the safety risk:**

Failure mode could result in a loss of power, which in turn could increase the possibility of a crash.

#### **Identify any warning which can precede or occur:**

No known warning prior to failure on the configuration used in the MT50e.

#### **If applicable, identify the manufacture of the defective or noncompliant component.:**

Supplier: Proterra

Contact Name: Kelly Irving, Customer Quality Manager

Business address: 1 Whitlee Ct. Greenville, SC 29607

Business telephone number: 864.641.6044

## **Involved Components**

**Component Name:** Battery-HV, Proterra, MT50e

**Component Description:** HV Battery Pack

**Component Part Number:** 66-25763-000

**Component's country of origin:** United States

**Business address:** 1 Whitlee Ct. Greenville, SC 29607

**Business telephone number:** 864.641.6044

## **Chronology of Defect / Noncompliance Determination**

### **Provide the chronology of events leading up to the defect decision or test data for the noncompliance decision:**

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 MT50e units was eight (one 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 2 additional MT50e vehicles not earlier identified as part of the recall population; DTNA amends this notification accordingly. DTNA is not aware of any warranty, field or service occurrences related to this failure. There are no death and/or injuries.

## **Identify the Remedy**

### **Describe the defect/noncompliance remedy program, including the manufacture's plan for reimbursement.**

Inspection and repair, if required, will be performed by certified HV3 Daimler Truck North America authorized service facilities. 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.

## Identify the Recall Schedule

### Describe the recall schedule for notifications.:

*Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected.*

**Planned Dealer Notification Begin Date:** 1/21/2023

**Planned Dealer Notification End Date:** 1/21/2023

**Planned Owner Notification Begin Date:** 1/21/2023

**Planned Owner Notification End Date:** 1/21/2023

**Does DTNA plan to file inconsequentiality petition?**  Yes  No

**Manufacturer's identification code for this recall (if applicable):** FL-960

**DTNA Representative;**



Tiffani Torgeson

Manager, Compliance and Regulatory Affairs