

Part 573 Safety Recall Report

22E-052

Manufacturer Name : Proterra Operating Company, Inc.

Submission Date : NOV 10, 2022

NHTSA Recall No. : 22E-052

Manufacturer Recall No. : SC-22-025



Manufacturer Information :

Manufacturer Name : Proterra Operating Company, Inc.

Address : 1815 Rollins Road
Burlingame CA 94010

Company phone : 4380000

Population :

Number of potentially involved : 185

Estimated percentage with defect : 1 %

Equipment Information :

Brand / Trade 1 : Proterra

Model : HVJB DC Link

Part No. : 051071

Size : NR

Function : Cable

Descriptive Information : All high voltage junction box DC Links delivered to Daimler (Thomas Built Buses) are included in the population. The HVJB DC Links were built to order and only sold to Daimler. Proterra does not sell the HVJB DC Links to other customers.

Production Dates : AUG 01, 2019 - DEC 31, 2021

Description of Defect :

Description of the Defect : The HVJB DC Links may not be properly crimped which could cause the cable to fail inside the HVJB enclosure.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the HVJB DC Link becomes separated because it is not properly crimped, the vehicle could shut down due to a loss of electrical power and lose propulsion. In the event of a loss of propulsion, there could be an increased risk of injury due to the need to transfer passengers to alternate transportation in a potentially uncontrolled traffic condition. Proterra has not received any reports of any injuries or fatalities resulting from this issue.

Description of the Cause : The HVJB DC Link may not have been properly crimped during the assembly process.

Identification of Any Warning that can Occur : Separation of the HVJB DC Link may be indicated by a red battery light and/or the vehicle's power flickering or indicating a loss of propulsion.

Involved Components :

Component Name : SUBASSY, DC LINK, PRODRIVE, eC2

Component Description : HVJB DC Link

Component Part Number : 051071

Supplier Identification :

Component Manufacturer

Name : Proterra Operating Company, Inc.

Address : 1815 Rollins Road
Burlingame 94010

Country : United States

Chronology :

On May 12, 2022, Proterra notified Daimler that a single prior incident related to the HVJB DC Link was likely the result of an improper crimp. At that time, Proterra issued Service Bulletin (SC-22-25) to inspect HVJB DC Links Daimler battery electric school buses. On June 13, 2022, Daimler notified Proterra that 163 battery electric school buses would be removed from service until the inspections are completed. On June 16, 2022, NHTSA was notified of the issue via a Part 573 Safety Recall Report (22V-418).

Description of Remedy :

Description of Remedy Program : Proterra previously provided Service Bulletin (SC-22-25) to Daimler to inspect and repair the HVJB DC Link in the field. If the HVJB DC Link has an improper crimp, Proterra will repair or replace the cable at no cost to Daimler. Further, if the HVJB is damaged by an improperly crimped HVJB DC Link, Proterra will repair or replace the HVJB at no cost to Daimler. All inspections and repairs (if needed) will be performed by Daimler, or its authorized service facilities, in conjunction with Proterra's field service managers.

How Remedy Component Differs from Recalled Component : In the event of an improperly crimped HVJB DC Link, it will be either repaired or replaced in the field with a properly crimped HVJB DC Link.

Identify How/When Recall Condition was Corrected in Production : No more HVJBs will be produced for Daimler, because they were built to order. Only 168 HVJBs were provided and delivered to Daimler.

Recall Schedule :

Description of Recall Schedule : Daimler was notified the week of September 12, 2022. NOTE - Daimler has Service Bulletin (SC-22-25), which is the basis for the remedy program.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : SEP 12, 2022 - SEP 16, 2022

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported