

Part 573 Safety Recall Report

22V-887

Manufacturer Name : Proterra Operating Company, Inc.**Submission Date :** DEC 23, 2022**NHTSA Recall No. :** 22V-887**Manufacturer Recall No. :** TBD**Manufacturer Information :****Population :****Manufacturer Name :** Proterra Operating Company, Inc.**Number of potentially involved :** 18**Address :** 1815 Rollins Road
Burlingame CA 94010**Estimated percentage with defect :** 85 %**Company phone :** 4380000**Vehicle Information :****Vehicle 1 :** 2017-2019 Proterra Catalyst**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES**Body Style :** OTHER**Power Train :** HYBRID ELECTRIC

Descriptive Information : Vehicles within the recall population have reported a fault code and other data that signals there may be liquid inside one or more 400V battery packs (the "Battery Pack") onboard these vehicles. Over time, the accumulation of liquid inside the Battery Pack enclosure may reach a level that could result in the occurrence of a thermal event. The recall population was determined by reviewing fleet-wide telemetry data to identify a fault code and other data that signals there may be liquid inside one or more Battery Packs onboard a vehicle. Battery Packs which exhibit a fault code and other data indicating that there may be liquid inside the Battery Pack enclosure are included in the recall population. Battery Packs which do not exhibit such a fault code and other data indicators of the presence of liquid are not included in the recall population.

Eighteen vehicles are in the recall population. The root cause of the defect is not currently known. Once the recalled Battery Packs are returned to Proterra, Proterra will physically inspect and analyze each recalled Battery Pack to determine if liquid is present inside the Battery Pack and the root cause of the issue.

Production Dates : OCT 02, 2017 - DEC 31, 2019**VIN Range 1 : Begin :**

NR

End : NR☐ Not sequential**Description of Defect :**

Description of the Defect : Vehicles within the recall population have one or more Battery Packs that may allow liquid to leak into and accumulate in the Battery Pack enclosure.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Over time, the accumulation of liquid inside a Battery Pack enclosure may reach a level that could result in the occurrence of a thermal event, which may cause personal injury or property damage.

Description of the Cause : The root cause of the defect is not currently known. Once the subject batteries are returned to Proterra, Proterra will physically inspect and analyze each Battery Pack to determine if liquid is present inside the Battery Pack and the root cause of the issue.

Identification of Any Warning that can Occur : A malfunction indicator lamp in the driver's display will light up when a battery fault is detected.

Involved Components :

Component Name 1 : Proterra Battery Pack

Component Description : Battery Pack

Component Part Number : 022300

Supplier Identification :

Component Manufacturer

Name : Proterra Operating Company, Inc.

Address : 1815 Rollins Road
Burlingame California 94010

Country : United States

Chronology :

On November 9, 2022, a Battery Pack installed on a Proterra vehicle experienced a thermal event. After an initial investigation of this incident, Proterra believes that the thermal event was caused by the presence of liquid inside the Battery Pack enclosure based on fault codes on the vehicle and other data indicators. Proterra reviewed and analyzed its fleet-wide telemetry data to identify any Battery Packs with fault codes and other data indicators that may indicate that there is liquid inside the Battery Pack enclosure, which over time may accumulate and present the risk of a thermal event. Proterra identified 28 Battery Packs in eighteen vehicles (less than 1% of the fleet-wide Battery Packs) with a fault code and other data that signals there may be liquid inside one or more Battery Packs on the vehicles.

Based on Proterra's investigation, on November 22, 2022, Proterra's Safety Committee voted to recall the eighteen vehicles with one or more of these Battery Packs to allow Proterra to physically inspect and analyze

each Battery Pack to determine if liquid is present in the Battery Packs and determine the root cause of the fault code and other data indicators that signal there may be liquid inside one or more Battery Packs.

As of November 30, 2022, Proterra has received no warranty claims and no other field or service reports related to this issue; Proterra knows of no injuries related to this issue.

Description of Remedy :

Description of Remedy Program :	Until Proterra is able to remove the Battery Packs from the vehicles in the recall population and perform a physical inspection, the root cause of the defect and remedy are unknown.
How Remedy Component Differs from Recalled Component :	The remedied Battery Pack will not allow liquid to leak into and accumulate in the Battery Pack enclosure.
Identify How/When Recall Condition was Corrected in Production :	The root cause of the defect is not currently known. Proterra will supplement its response to this question once the root cause has been determined.

Recall Schedule :

Description of Recall Schedule :	Proterra will notify affected owners about this recall on or before January 29, 2023.
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	JAN 01, 2023 - JAN 29, 2023

* NR - Not Reported