

Part 573 Safety Recall Report

20V-621

Manufacturer Name : Proterra, Inc.

Submission Date : NOV 30, 2020

NHTSA Recall No. : 20V-621

Manufacturer Recall No. : SC-20-141



Manufacturer Information :

Manufacturer Name : Proterra, Inc.

Address : 1815 Rollins Road
Burlingame CA 94010

Company phone : 4380000

Population :

Number of potentially involved : 8

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2020 Proterra Battery-Electric 35 ' and 40' Catalyst

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : Certain vehicles were installed with the wrong power steering hose (incorrect material specification).

Production Dates : OCT 01, 2019 - JUL 31, 2020

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 2 : 2019-2019 Proterra Battery-Electric 40' Catalyst

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : Certain vehicles were installed with the wrong power steering hose (incorrect material specification).

Production Dates : OCT 01, 2019 - JUL 31, 2020

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : The power steering hose with the wrong material specification located at the pump and reservoir may leak and sweat fluid through the hose. The hose should be a Parker 801 Push Lok hose, but a Continental heater hose was installed instead of the Parker hose on these vehicles. The defect was not related to a supplier issue.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Under certain conditions, this may increase the risk of a crash and/or damage to property. In case of a crash, injury to the passengers can happen. Proterra has not received any report of injury or death associated with this defect.

Description of the Cause : The hose with the incorrect specification was installed. The hose should be a Parker 801 Push Lok hose (P/N 051490) and not a Continental heater hose.

Identification of Any Warning that can Occur : Each power steering reservoir fluid level has a sensor. If the fluid level gets below the sensor a red dash light is illuminated, and the vehicle can continue to be driven. The incorrect hose is on the low pressure return side of the system, so there is no impact to steering fluid pressure, as long as there is fluid in the tank to supply the pump.

Involved Components :

Component Name 1 : Incorrect Continental Heater Hose

Component Description : Power Steering Hose

Component Part Number : N/R

Supplier Identification :

Component Manufacturer

Name : N/A, the defect was not related to a sup

Address : N/A

N/A N/A N/A

Country : NR

Chronology :

Engineering was notified of a power steering leak on buses within Proterra's control on 9/29/20. From the pictures provided, engineering visually identified that the incorrect hose (Continental SAE HEATER 1" (25.4mm) SAE 20R3 D-2) was being used and sent a reply to Proterra's quality team on 9/30/20 that it was the incorrect hose and specified which hose should be being used. The correct hydraulic hose is a Parker 801 Push Lok hose (P/N 051490), and not a Continental heater hose.

On 9/30/20 Proterra's quality team began an investigation to ascertain the number of vehicles with the incorrect hose installed.

On October 1, 2020, the Quality Compliance Steering Committee met to discuss and review the findings of the

investigation. The committee decided to recall the buses delivered to the customers with the incorrect hose. Only eight (8) buses not in Proterra's control were identified with the incorrect power steering hose.

On October 2, 2020, the customers were notified and Proterra's field representatives were instructed to inspect and fix the affected buses, none of which were in revenue service.

The eight (8) buses are scheduled to be remedied on October 6, 2020.

On October 7, 2020, Proterra filed a NHTSA 573 report to meet the 5 days business rule.

Description of Remedy :

Description of Remedy Program : Proterra will provide a service document/bulletin to inspect and replace the power steering hose for the affected vehicle population. All cost associated with this inspection and replacement will be covered by Proterra.

How Remedy Component Differs from Recalled Component : The remedy for the power steering hose is to use the correct identified hydraulic hose.

Identify How/When Recall Condition was Corrected in Production : Starting from 2020-09-29, the assembly lines at Proterra were using the proper power steering hoses.

Recall Schedule :

Description of Recall Schedule : Note Proterra does not have a dealer network and the dates entered are only to avoid NHTSA Recall Portal error while submitting the recall 573 report.

Planned Dealer Notification Date : OCT 07, 2020 - OCT 07, 2020

Planned Owner Notification Date : OCT 07, 2020 - NOV 07, 2020

* NR - Not Reported