

Part 573 Safety Recall Report

19V-061

Manufacturer Name : Proterra Inc.

Submission Date : OCT 29, 2019

NHTSA Recall No. : 19V-061

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Proterra Inc.

Address : 1815 Rollins Road
Burlingame CA 94010

Company phone : 4380000

Population :

Number of potentially involved : 55

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2015-2018 Catalyst Catalyst 40

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : Certain Catalyst 40 ' low floor transit buses were configured with a customer selected Graham White air dryer as part of the pneumatic system for air brakes, which was installed without the addition of a separate additional supply reservoir required by FMVSS 121. The standard configuration of the Catalyst uses a different air dryer system which is compliant with FMVSS 121.

Production Dates : JAN 01, 2015 -DEC 31, 2018

VIN Range 1 :Begin :

NR

End : NR

☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : FMVSS 121 requires an air brake system with ""One or more service reservoir systems, from which air is delivered to the brake chambers, and either an automatic condensate drain valve for each service reservoir or a supply reservoir between the service reservoir system and the source of the air pressure." The standard configuration Catalyst bus includes a supply reservoir that is between the service reservoir and the air compressor. Pursuant to a customer request, a Graham White air dryer was used on certain Catalyst bus configurations. The Graham White air dryer does not have this supply reservoir and we determined that a separate supply reservoir must be installed to be compliant with FMVSS 121. The Graham White component itself is not the subject of this notice.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : Long term moisture build up in the system may occur if preventative maintenance is not performed to periodically drain the primary, secondary

and auxiliary tanks of any moisture in the pneumatic system.

Description of the Cause : Customer configuration using the Graham White pneumatic system needed an additional supply reservoir, which was not installed with the system at time of vehicle manufacture.

Identification of Any Warning that can Occur : During maintenance, excess moisture in the air system may be observed and need to be drained from the system.

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

A routine customer inspection of the Catalyst bus in December 2018 raised the issue of whether a separate reservoir was required for use of the Graham White air dryer. Proterra engineering reviewed the matter on January 3, 2019 and concluded that Catalyst buses with the Graham White air dryer required the installation of a supply reservoir between the service reservoir and the air compressor. Proterra's safety committee reviewed the findings on January 22, 2019 and determined that this was a non-compliance that needed to be remedied.

Description of Remedy :

Description of Remedy Program : All Catalyst buses fitted with the Graham White air dryer will be retrofitted to add a supply reservoir with a drain between the air dryer and the manifold that distributes air to the service air reservoirs.

How Remedy Component Differs from Recalled Component : No components are being recalled. A component will be added to the system.

Identify How/When Recall Condition was Corrected in Production : Proterra is not currently building buses with the Graham White air dryer. If a customer configuration requires a Graham White air dryer, the installation of this part now requires the installation of a separate supply reservoir in Proterra's configuration requirements.

Recall Schedule :

Description of Recall Schedule : There are no dealers. Customers will be notified directly.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : MAR 28, 2019 - MAR 28, 2019

* NR - Not Reported