

Part 573 Safety Recall Report

23V-653

Manufacturer Name : PACCAR Incorporated**Submission Date :** DEC 04, 2023**NHTSA Recall No. :** 23V-653**Manufacturer Recall No. :** 23PBH**Manufacturer Information :**

Manufacturer Name : PACCAR Incorporated

Address : 777 106TH AVENUE NORTHEAST

BELLEVUE WA 98004

Company phone : 940 591 4220

Population :

Number of potentially involved : 1,315

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2024 Peterbilt Motors Co. 579

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : DIESEL

Descriptive Information : Trucks built with air tank bracket G11-6439-009 that are mounted behind fuel tanks with less than 60,000 miles.

Production Dates : JUN 22, 2020 -JUN 16, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2024 Peterbilt Motors Co. 567

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : DIESEL

Descriptive Information : Trucks built with air tank bracket G11-6439-009 that are mounted behind fuel tanks with less than 60,000 miles.

Production Dates : JUN 22, 2020 -JUN 16, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : An inconsistent length of a U-bolt that attaches an air tank to the chassis may contact a fuel tank when mounted behind it. If this happens it may eventually wear a hole in the fuel tank.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a U-bolt wears a hole in a fuel tank it may lead to an increased risk of a fire.

Description of the Cause : An inconsistent length of the U-bolt may lead to contact with the fuel tank and eventually wear a hole in it.

Identification of Any Warning that can Occur : A fuel leak may be present depending on fuel level in the tank.

Involved Components :

Component Name 1 : U-Bolt-Air Tank and Bracket -Air Tank

Component Description : Threaded U-Bolt and Bracket securing Air Tank

Component Part Number : G34-6009 and G11-6439-009

Supplier Identification :

Component Manufacturer

Name : Peterbilt Motors Co.

Address : 1700 Woodbrook Street
Denton Texas 76205

Country : United States

Chronology :

6/6/23: Issue first brought up to Safety and Compliance

6/12/23: Engineer visited CVS to view recently manufactured tractors. Found 5 close related cases.

6/16/23: Engineer talked with design engineering to understand the history of the parts involved.

6/17/23: Engineer visited manufacturing to understand the process of installation. Engineer received plant process document.

6/26/23: Warranty search completed. Found 7 warranty claims stating checked U-bolt hitting the fuel tank. Reassembled and checked clearances. No further issues were found.

6/19/23: Engineer talked with warranty containment to understand changes to improve future tractors based on root cause found.

6/27/23: Presented investigation to safety committee. Needed further information to make decision.

7/7/23: Engineering finished gathering information asked from safety committee.

7/11/23: Presented investigation to safety committee. Testing was requested.

7/13/23: Reached out to PTC about testing and communicated the dynamic gap study requested

7/20/23: Engineering submitted RTS to PTC for assignment. Parts shipped to PTC for further test.

7/25/23: Parts arrived at PTC for testing.

8/15/23: PTC finished attaching parts to a test tractor. Instrumentation attached on the truck for testing.

8/22/23: Initial test was completed, and the data was collected.

8/25/23: Test data was presented/discussed to Peterbilt Safety and Compliance.

9/1/23: Population was scanned for errors. No errors found. Final Warranty Search

9/5/23: Present investigation to partial safety committee. Attendees requested additional engineering review of chassis layouts.

9/21/23: Safety Committee reviewed chassis layouts.

9/25/23: Separate review with remaining safety committee members. Conclusion was to issue a recall.

As of 9/25/23, Paccar received 10 warranty claims and 11 report(s) of trucks in the field that may be related between June 2021 and June 2023. Zero reports of deaths or injuries have been received.

Description of Remedy :

Description of Remedy Program : Paccar will notify owners, and dealers will have to inspect the clearance between the end of the U-bolts that attach the air tank to the inside of the frame and the fuel tank. If the U-bolt is less than 6mm away from the fuel tank the dealers will have to cut off the excess U-bolt as close to the bracket as possible. If the U-bolt has contacted and damaged the fuel tank then the fuel tank will have to be drained and replaced while also cutting the U-bolt down to the bracket. This will be free of charge. Owners who incurred costs to obtain a remedy for the problem addressed in the recall in advance of receiving notification may seek reimbursement through the process outlined in the general reimbursement plan on file.

How Remedy Component Differs from Recalled Component : The distance between the fuel tank and the U-bolt is greater than or equal to 6mm.

Identify How/When Recall Condition was Corrected in Production : The plant was re-trained on the process and the process documents were updated to clear up verbiage. Trucks were inspected at the plant on the 12th of June.

Recall Schedule :

Description of Recall Schedule : Notifications will be sent within 60 days.

Planned Dealer Notification Date : NOV 24, 2023 - NOV 24, 2023

Planned Owner Notification Date : NOV 24, 2023 - NOV 24, 2023

* NR - Not Reported