

Part 573 Safety Recall Report

23V-661

Manufacturer Name : PACCAR Incorporated

Submission Date : MAR 27, 2024

NHTSA Recall No. : 23V-661

Manufacturer Recall No. : 23KWJ, 23PBJ



Manufacturer Information :

Manufacturer Name : PACCAR Incorporated

Address : 777 106TH AVENUE NORTHEAST
BELLEVUE WA 98004

Company phone : 940 591 4220

Population :

Number of potentially involved : 254

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2024 Peterbilt 536

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : 2.1m Medium Duty trucks with optional end of frame trailer connections, except for those with trailer hand valve and without stability control.

Production Dates : JUL 31, 2019 - AUG 29, 2023

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 2 : 2024-2024 Peterbilt 537

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : 2.1m Medium Duty trucks with optional end of frame trailer connections, except for those with trailer hand valve and without stability control.

Production Dates : JAN 23, 2023 - JAN 23, 2023

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 3 : 2020-2024 Peterbilt 548

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : 2.1m Medium Duty trucks with optional end of frame trailer connections, except for those with trailer hand valve and without stability control.

Production Dates : OCT 23, 2019 - SEP 08, 2023

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 4 : 2021-2024 Kenworth T280

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : 2.1m Medium Duty trucks with optional end of frame trailer connections, except for those with trailer hand valve and without stability control.

Production Dates : AUG 04, 2020 - AUG 16, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 5 : 2021-2024 Kenworth T380

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : 2.1m Medium Duty trucks with optional end of frame trailer connections, except for those with trailer hand valve and without stability control.

Production Dates : AUG 05, 2020 - AUG 22, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 6 : 2020-2024 Kenworth T480

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : 2.1m Medium Duty trucks with optional end of frame trailer connections, except for those with trailer hand valve and without stability control.

Production Dates : NOV 13, 2019 - SEP 08, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : Certain vehicles may not meet trailer brake release timing requirement of FMVSS 121. Trailer brake release timing may exceed standard by 0.5 seconds.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : The noncompliance may cause a 0.5 second exceedance of the trailer brake release timing standard. Tractor and trailer brake application timing is not affected, nor is truck brake performance affected. If the vehicle is not equipped with ABS or ABS is not functioning and the vehicle enters a curve on a low-mu (low friction) surface, a 0.5 second delay in trailer brake release timing may introduce momentary instability to the trailer and increase the risk of a crash.

Description of the Cause : Trailer connections with tractor protection valve at the end of frame were not

Identification of Any Warning that can Occur :	tested during 2.1m Medium Duty product launch. Error was caught in validation of other new models that were using the same tractor protection valve mounted at the end of the frame. If the trailer ABS malfunction light is illuminated, the driver should recognize that the electronic system that modulates the brakes is unavailable to mitigate the 0.5 second delay in the release of the trailer brake.
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Involved Components :

Component Name 1 : Valve-TP-3DC ASSEMBLY, NMD

Component Description : Tractor Protection Valve

Component Part Number : G90-1287-004, G90-1287-005, G90-1287-006

Supplier Identification :

Component Manufacturer

Name : PACCAR

Address : 777 106th Ave NE
Bellevue Washington 98004

Country : United States

Chronology :

07/07/23 – Engineering notified Safety & Compliance that brake timing test failed for a new model that used the same 2.1m Medium Duty end of frame tractor protection valve.

07/12/23 – Engineering began researching 2.1m Medium Duty configurations that have been built.

07/14/23 – PACCAR Technical Center continued brake timing tests for 2.1m Medium Duty to determine which configurations would not pass.

08/23/23 – Brake timing tests completed. Engineering created compatibility message to flag trucks in the backlog to get corrected.

09/08/23 – Engineering provided list of trucks in backlog already corrected.

09/11/23 – Plant provided list of trucks still at plant for Safety & Compliance to review which need to be corrected.

09/14/23 – Joint Safety Committee determined a regulatory non-compliance exists.

As of 09/14/23, Paccar received 0 warranty claims and 0 reports about 0 trucks in the field that may be related. 0 reports of deaths or injuries have been received.

03/27/2024 - Amended recall to take out 3 heavy duty chassis that were incorrectly included in the recall.

Description of Remedy :

Description of Remedy Program :	Paccar will notify owners, and dealers will replace the fittings in the tractor protection valve, trailer modulator valve, foot valve and the hose between them to a larger size 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 :	Trucks that have been remedied have a larger size hose and fittings on the tractor protection valve, trailer modulator valve and foot valve.
Identify How/When Recall Condition was Corrected in Production :	Production installs larger size hose and fittings on the tractor protection valve and foot valve. It was corrected in production on September 18, 2023.

Recall Schedule :

Description of Recall Schedule :	Notifications will be sent within 60 days.
Planned Dealer Notification Date :	NOV 20, 2023 - NOV 20, 2023
Planned Owner Notification Date :	NOV 20, 2023 - NOV 20, 2023

* NR - Not Reported