

Part 573 Safety Recall Report

25V-181

Manufacturer Name : PACCAR Incorporated**Submission Date :** MAR 24, 2025**NHTSA Recall No. :** 25V-181**Manufacturer Recall No. :** 25PBC and 25KWC**Manufacturer Information :****Population :**

Manufacturer Name : PACCAR Incorporated

Number of potentially involved : 239

Address : 777 106th Avenue Northeast
Bellevue WA 98004

Estimated percentage with defect : 6 %

Company phone : 940 591 4220

Vehicle Information :

Vehicle 1 : 2021-2025 Peterbilt 520

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : -All heavy duty battery electric model 520's using supplier's component clean date of 10/25/2024.
 -Recalled products have different high voltage relay circuits and software.
 -There are 71 model 520's affected.

Production Dates : FEB 26, 2020 - NOV 05, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2025 Peterbilt 579

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : -All heavy duty battery electric model 579's using supplier's component clean date of 10/25/2024.
 -Recalled products have different high voltage relay circuits and software.
 -There are 84 model 579's affected.

Production Dates : OCT 27, 2020 - SEP 25, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2021-2025 Kenworth T680

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : -All heavy duty battery electric model T680's using supplier's component clean date of 10/25/2024.

-Recalled products have different high voltage relay circuits and software.

-There are 84 model T680's affected.

Production Dates : OCT 28, 2020 - NOV 20, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : High voltage interlock loop (HVIL) disruptions open high voltage contactors on battery electric powertrain

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Open high voltage contactors create a sudden loss of high voltage. Open electrical contactors cause a loss of propulsion and may increase the risk of a crash.

Description of the Cause : Interruptions as short as 10ms may cause a loss of signal and open the electrical contacts with the current design of the circuit. A key cycle does not reset the contactors.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Power Control and Accessory Subsystem (PCAS)

Component Description : Power Distribution Unit

Component Part Number : 110101, 110102, 110500, 110501, 110502, 110503, 110532, 110533, 200091 and 6550082

Supplier Identification :

Component Manufacturer

Name : Accelera (Cummins Inc)

Address : Box 3005
Columbus Indiana 47202-3005
Country : United States

Chronology :

1/29/2025: Safety and compliance was notified by Accelera of an Issue with the heavy duty battery electric trucks.

1/31/2025: Accelera and PACCAR had a call to discuss the High Voltage Interlock Loop (HVIL) issue.

2/7/2025: A call was held with Accelera to get an update on the HVIL issue

2/13/2025: A call was held with Accelera on details of the HVIL circuit design and improvements to correct issues.

2/19/2025: Requested details on any claims Accelera has been notified about for this issue.

2/20/2025: Received letter from Accelera on their potential concerns with product in the field

3/6/2025: Safety & Compliance held an update call with engineering on the facts that had been gathered

3/18/2025: Safety committee meeting held and determined that a recall would be initiated

As of 2/24/2025, There were 19 warranty claims received and no reports about trucks in the field that may be related and last claim received between 6/1/2023 to 11/6/2024. No reports of deaths or injuries have been received.

Description of Remedy :

Description of Remedy Program : Affected vehicle owners will be notified and dealers will update software and replace an electrical harness free of charge. Owners who incurred costs to obtain a remedy for the problem addressed by 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 : Software is updated to R6 version and a HVIL harness kit will be used to update the electrical circuit on all remedy trucks.

Identify How/When Recall Condition was Corrected in Production : The supplier clean point at their factory was 10/24/2025 providing updated circuit wiring and software. PACCAR production clean point in started after 11/20/2024.

Recall Schedule :

Description of Recall Schedule : Owners will be notified within 60 days of filing recall.

Planned Dealer Notification Date : MAY 23, 2025 - MAY 23, 2025

Planned Owner Notification Date : MAY 23, 2025 - MAY 23, 2025

* NR - Not Reported