



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V436

Manufacturer Name: PACCAR Incorporated

Submission Date: Jun 27, 2025

NHTSA Recall No.: 25V436

Manufacturer Recall No.: 25PACF

Manufacturer Information

Population

Manufacturer Name: PACCAR Incorporated

Address: 777 106TH AVENUE
NORTHEAST
BELLEVUE WA, 98004

Total number of potentially involved: 56,575

Estimated percentage with defect: 0.3%

Vehicle Information

Vehicle 1: 2023-2026 Peterbilt 579

Product Category:

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: May 27, 2022 - May 23, 2025

Number of potentially involved: 8,410

Descriptive Information:

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 2: 2023-2026 KENWORTH T380

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jul 05, 2022 - May 23, 2025

Number of potentially involved: 1,550

Descriptive Information:

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 3: 2025-2025 Peterbilt 535

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25V436**Product Category:****Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Nov 13, 2024 - Nov 13, 2024**Number of potentially involved:** 1**Descriptive Information:**

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 4: 2024-2026 Kenworth W990**Product Category:****Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jan 11, 2023 - May 23, 2025**Number of potentially involved:** 942**Descriptive Information:**

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 5: 2023-2026 Kenworth T880**Product Category:****Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jun 23, 2022 - May 23, 2025**Number of potentially involved:** 11,105**Descriptive Information:**

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 6: 2023-2026 PETERBILT 567**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:****Fuel / Propulsion:** Compression Ignition Fuel

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25V436**Production Dates:** Aug 17, 2022 - May 23, 2025**Number of potentially involved:** 9,291**Descriptive Information:**

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 7: 2024-2026 PETERBILT 589**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:** Tractor**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Apr 19, 2023 - May 23, 2025**Number of potentially involved:** 3,571**Descriptive Information:**

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 8: 2023-2026 Kenworth T680**Product Category:****Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** May 24, 2022 - May 23, 2025**Number of potentially involved:** 10,036**Descriptive Information:**

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 9: 2025-2025 KENWORTH T180**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:** Truck**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Oct 15, 2024 - Oct 15, 2024**Number of potentially involved:** 1**Descriptive Information:**

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Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 10: 2023-2026 PETERBILT 548

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Dec 07, 2022 - May 23, 2025

Number of potentially involved: 2,534

Descriptive Information:

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 11: 2025-2026 Kenworth L770

Product Category:

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Sep 16, 2024 - May 23, 2025

Number of potentially involved: 238

Descriptive Information:

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 12: 2024-2026 PETERBILT 536

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Apr 13, 2023 - May 23, 2025

Number of potentially involved: 1,405

Descriptive Information:

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

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Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 14: 2023-2026 Peterbilt 520**Product Category:****Product Type:****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** May 30, 2022 - May 23, 2025**Number of potentially involved:** 2,908**Descriptive Information:**

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 15: 2024-2026 KENWORTH T480**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:** Tractor**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jul 10, 2023 - May 23, 2025**Number of potentially involved:** 2,107**Descriptive Information:**

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Vehicle 16: 2024-2026 PETERBILT 537**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:** Tractor

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Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jul 26, 2023 - May 23, 2025

Number of potentially involved: 1,099

Descriptive Information:

Basis for how the recall population was determined: Vehicles built with EMUX-architecture, identifiable by VECU3 part number Q21-1157 prior to May 26th, 2025 factory schedule date.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Vehicle stop lamp, upper and lower beam headlamp, reverse lamp, and turn signal illumination may not correspond to operator control inputs. Lift axles equipped on vehicle, if lowered, may revert to raised position, or when signal warning lamps are activated, oscillate up and down. These issues may result in non-compliance with FMVSS/CMVSS 108.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

Delayed and unsteady illumination of vehicle stop lamps and un-commanded change in headlamp illumination may increase the risk of crash. Un-commanded position change of lift axles may increase the risk of injury.

Description of the cause:

Vehicle controller software has an incorrectly configured time counter that may cause some specific messages from the vehicle ECU to the chassis module to not be sent at their intended frequency.

Identification of any warning that can occur:

No preceding warning. Vehicle operator may observe change in forward lighting activation as it occurs.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name:

Address:

Country:

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Involved Components

Component Name 1: Vehicle Electrical Control Unit

Component Description: VECU

Component Part Number: Q21-1157

Chronology

05-02-25: Safety and compliance notified. Investigation opened.

05-08-25: Testing at PACCAR Technical Center completed to recreate customer concerns and evaluate more exterior lighting scenarios beyond customer complaints.

05-22-25: Safety committee meeting held. Further technical details requested by committee; additional meeting to be held.

05-29-25: Safety committee meeting held. Additional technical details requested by committee; additional meeting to be held.

06-02-25: Testing at PACCAR Technical Center completed to provide additional information on dash display behavior during lighting events.

06-17-25: Safety committee meeting held. All members present agree that noncompliance and safety related defect exist, and that affected population should be subject to recall. One committee member unable to attend; final decision of committee outstanding until concurrence obtained.

06-19-25: Concurrence obtained from safety committee in support of recall.

As of 06-17-25, PACCAR received 201 warranty claims and 25 reports about 191 trucks in the field that may be related between March 2025 and June 2025. 0 reports of deaths or injuries have been received.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type:

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Update vehicle software with new software containing revised counter behavior.

How remedy component differs from recalled component:

Updated software has revised time counter behavior.

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Updated software with revised counter behavior is installed on all vehicles produced from clean point 5/26/2025

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:**Planned Dealer Notification Date:**☐ No Dealers**Planned Interim Owner Notification Date:**☐ No Owners**Planned Remedy Owner Notification Date:**☐ Phased Recall**Date when VIN will be searchable:**