

Part 573 Safety Recall Report

25V-041

Manufacturer Name : PACCAR Incorporated**Submission Date :** FEB 04, 2025**NHTSA Recall No. :** 25V-041**Manufacturer Recall No. :** 25KWB 25PBB**Manufacturer Information :****Population :****Manufacturer Name :** PACCAR Incorporated**Number of potentially involved :** 5,378**Address :** 777 106th Avenue Northeast**Estimated percentage with defect :** 1 %

Bellevue WA 98004

Company phone : 940 591 4220**Vehicle Information :****Vehicle 1 :** 2025-2025 Kenworth T180**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES**Body Style :** OTHER**Power Train :** DIESEL**Descriptive Information :** Basis for Determining Population: Vehicles with VECU3 Part Number: Q21-1157* equipped with Exterior Lighting Switch (ELS) Part Numbers: Q21-1146-100 and Q21-1146-200.

Kenworth T180 had 1 affected vehicle.

Production Dates : OCT 15, 2024 - OCT 15, 2024**VIN Range 1 :** Begin : 2NK2HM5H1SM185607 End : 2NK2HM5H1SM185607 ☐ Not sequential**Vehicle 2 :** 2025-2026 Kenworth T280**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES**Body Style :** OTHER**Power Train :** DIESEL**Descriptive Information :** Basis for Determining Population: Vehicles with VECU3 Part Number: Q21-1157* equipped with Exterior Lighting Switch (ELS) Part Numbers: Q21-1146-100 and Q21-1146-200.

Kenworth T280 had 710 affected vehicles.

Production Dates : FEB 01, 2024 - DEC 20, 2024

Vehicle 3 : 2023-2026 Kenworth T380

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Basis for Determining Population: Vehicles with VECU3 Part Number: Q21-1157* equipped with Exterior Lighting Switch (ELS) Part Numbers: Q21-1146-100 and Q21-1146-200.

Kenworth T380 had 769 affected vehicles.

Production Dates : JUL 05, 2022 - DEC 20, 2024

Vehicle 4 : 2024-2026 Kenworth T480

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Basis for Determining Population: Vehicles with VECU3 Part Number: Q21-1157* equipped with Exterior Lighting Switch (ELS) Part Numbers: Q21-1146-100 and Q21-1146-200.

Kenworth T480 had 1205 affected vehicles.

Production Dates : JUL 10, 2023 - DEC 20, 2024

Vehicle 5 : 2025-2025 Peterbilt 535

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Vehicles with VECU3 Part Number: Q21-1157* equipped with Exterior Lighting Switch (ELS) Part Numbers: Q21-1146-100 and Q21-1146-200.

Peterbilt 535 had 1 affected vehicle.

Production Dates : NOV 13, 2024 - NOV 13, 2024

VIN Range 1 : Begin : 2NPJHM5X8SM759844 End : 2NPJHM5X8SM759844

☐ Not sequential

Vehicle 6 : 2024-2026 Peterbilt 536

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Vehicles with VECU3 Part Number: Q21-1157* equipped with Exterior Lighting Switch (ELS) Part Numbers: Q21-1146-100 and Q21-1146-200.

Peterbilt 536 had 671 affected vehicles.

Production Dates : APR 13, 2023 - DEC 20, 2024

Vehicle 7 : 2024-2026 Peterbilt 537

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : "Vehicles with VECU3 Part Number: Q21-1157* equipped with Exterior Lighting Switch (ELS) Part Numbers: Q21-1146-100 and Q21-1146-200.

Peterbilt 537 had 638 affected vehicles."

Production Dates : JUL 26, 2023 - DEC 20, 2024

Vehicle 8 : 2024-2026 Peterbilt 548

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : "Vehicles with VECU3 Part Number: Q21-1157* equipped with Exterior Lighting Switch (ELS) Part Numbers: Q21-1146-100 and Q21-1146-200.

Peterbilt 548 had 1474 affected vehicles."

Production Dates : JUL 28, 2023 - DEC 20, 2024

Vehicle 9 : 2025-2025 Peterbilt 567

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : "Vehicles with VECU3 Part Number: Q21-1157* equipped with Exterior Lighting Switch (ELS) Part Numbers: Q21-1146-100 and Q21-1146-200.

Peterbilt 567 had 99 affected vehicles."

Production Dates : OCT 04, 2023 - DEC 13, 2024

Description of Defect :

Description of the Defect : The Exterior Lighting Switch (ELS) in certain vehicles may not function. It is non-responsive and can be reset only by a key cycle. This issue may result in non-compliance with FMVSS/CMVSS 101 and 108.

FMVSS 1 : 101 - Control and displays

FMVSS 2 : 108 - Lamps, reflective devices, and assoc. Equipment

Description of the Safety Risk : If the ELS fails, the hazard lights and the backlight brightness adjustment may not function. As a result, the lack of hazard lights may not alert other drivers and failure to adjust the backlight brightness may distract the operator, which may increase the risk of a crash.

Description of the Cause : In some engine start conditions, the ELS power may drop below 10V for an extended period and prevent the ELS from properly powering on.

Identification of Any Warning that can Occur : None.

Involved Components :

Component Name 1 : Exterior Lighting Switch Control

Component Description : Exterior Lighting Switch Control

Component Part Number : Q21-1146-100

Component Name 2 : Exterior Lighting Switch Control

Component Description : Exterior Lighting Switch Control

Component Part Number : Q21-1146-200

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

- 12-11-24: Safety and compliance notified. Investigation opened.
- ELS and MCS are potentially non-functional when engine crank pulls VECU LIN power supply below the 10V shutoff.
 - When trying to operate MCS3 (Menu Control Switch 3) this will not show in the display. The primary function of the MCS3 is to allow users to navigate through menus or options on the digital display.
 - When the ELS (Exterior Lighting Switch) is not properly powered on, the vehicle cab controller (VECU) puts the vehicle in a fail-functional mode where the exterior lights are ON.
 - Hazard lights and backlight brightness adjustment are not functional when ELS is not working.
 - Driver will need to cycle the key to restore vehicle response.
 - PLR was created to update the software.
- 12-12-24: Confirmed High Beam is functional on truck during non-functional ELS condition.
- 12-18-24: The test for the updated software VECU 3.3.14.0 was successful, the ELS and MCS3 functioned with low battery voltage (less than 10V).
- 12-20-24: Affected population confirmed. A follow up meeting with engineering was set on 1/2/2025.
- 01-06-25: VECU 3.3.14.0 Software released.
- 01-09-25: Confirmed that if the MCS3 fails, there is no risk or non-compliance with any regulations.
- 01-20-25: Safety committee meeting held, discussed topic. Further clarification and discussion was needed for a decision to be made.
- 01-24-25: Safety committee agreed this issue was a regulatory non-compliance safety recall.
- As of January 20, 2025, PACCAR received 5 warranty claims and 12 reports about trucks in the field that may be related between September 2024 and January 2025. Zero 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 the VECU software 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 :	Remedied vehicles will have the VECU 3.3.14.0 software or later.
Identify How/When Recall Condition was Corrected in Production :	VECU 3.3.14.0 Software updated – released on 1/6/2025.

Recall Schedule :

Description of Recall Schedule :	NR
Planned Dealer Notification Date :	MAR 30, 2025 - MAR 30, 2025
Planned Owner Notification Date :	MAR 30, 2025 - MAR 30, 2025

* NR - Not Reported