

# Safety Recall 25PACF: EMUX Exterior Lighting Not Compliant With FMVSS/CMVSS 108

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## Number

25PACF / NHTSA # 25V436 / Transport Canada # 2025-357

## Supplier

PACCAR

## Description

EMUX Exterior Lighting Not Compliant With FMVSS/CMVSS 108

## Date

7/25/2025

## What's New

Parts and procedures are now available for all affected chassis equipped with Vehicle Electronic Control Unit (VECU) part number Q21-1157-013-011 / Q21-1157-013-013 / Q21-1157-002-002 / Q21-1157-004-004 / Q21-1157-006-006 / Q21-1157-009-009. See attached Parts Matrix for required parts per chassis.

## Introduction

### Safety Recall

Parts and procedures are now available for all affected chassis equipped with Vehicle Electronic Control Unit (VECU) part number Q21-1157-013-011 / Q21-1157-013-013 / Q21-1157-002-002 / Q21-1157-004-004 / Q21-1157-006-006 / Q21-1157-009-009. See attached Parts Matrix for required parts per chassis.

Certain Ethernet Multiplexed Architecture (EMUX) chassis fail to conform to Federal and Canadian Motor Vehicle Safety Standard (FMVSS/CMVSS) No. 108. Delayed or unsteady illumination of the vehicle's stop lamps, reverse lamps, turn signal lamps and inadvertent change in headlamp illumination or lift axle

position may occur due to the Vehicle Electronic Control Unit (VECU) software configuration. This can occur without warning and may increase the risk of a crash.

## Situation

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31,230 (29,039 US and 2,191 Canada) vehicle model year 2023-2026 Models 520 / 535 / 536 / 537 / 548 / 567 / 579 / 589 built from 05/27/2022 through 05/23/2025 equipped with EMUX and VECU part number Q21-1157.

## Resolution

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### Safety Recall

Service all chassis affected that enter your dealership, even if the customer has no issue with the chassis.

1. Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list.
2. In Service Management, select Campaign **25PACF** to add it to the case. If the unit is released back into service without performing the repair, make sure to also release the Campaign in Service Management.
3. If you are not using Service Management to start repair orders, review SIR for "Complete" next to the **25PACF** Campaign code prior to performing this repair.
4. Follow the procedures to update the Digital Display (DD2), Central Security Gateway (CSG2), and Vehicle Electronic Control Unit (VECU-3) software and, if necessary, replace modules as specified on the

## Parts Matrix.

<b>i NOTE</b>
Software in all 3 modules (DD2, CSG2, VECU-3) must be updated.
Update software in the order specified in the procedures. Programming modules out of order can cause programming errors and may require module replacement in order to remedy the errors.

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## Federal Law

It is a violation of Federal law for a dealer to sell or lease new vehicles covered by this recall until the defect or noncompliance has been corrected.

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## Warranty

Starting on 07/25/2025, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- **0.5 hours (0.7 hours for Model 520)** of labor to process a PVP file and program software only for DD2, CSG2 and VECU-3 using DAVIE4. Use Recommended Repair Code **25PACFA** starting on 07/25/2025.
- For vehicles that require parts replacement, use editable Recommended Repair Code **25PACFB** detailing the parts replaced (from Parts Matrix) and software update. Use appropriate SRT codes

(listed below) starting on 12/08/2025.

- For supplemental repairs, file a long form claim and use code **25PACF** in the Campaign Code field.
- File the claim within 14 days in accordance with the Warranty Policy.

Take off parts disposition: Destroy 30 days after claim is paid

<b>PRWS CLAIM CODING</b>			
Campaign Code:	25PACF	Campaign Type	Safety Recall
Claim Category:	Truck	Repair Type	Proactive
Customer Concern Code	225	Causal Code	93
Corrective Action Code	12	Responsibility Code:	Camp
Failure Location	003-006-003	Causal Part	Q21-1157-013-013
Supplier Code	N/A	SRT Code	<b>B25-23A: (HD &amp; MD 0.5 hrs) (520/L770 0.7 hrs) Bulletin 25PACF: Update software for CSG2, DD2, VECU-3 and perform repair verification</b>

per bulletin  
procedure

**B25-23B:**  
**(HD 0.3 hrs)**  
**(MD 0.2 hrs)**  
Bulletin  
25PACF: DD2  
R&R Per  
Bulletin  
Procedure

**B25-23C:**  
**(0.2 hrs)**  
Bulletin  
25PACF:  
CSG2 R&R  
Per Bulletin  
Procedure

**B25-23D:**  
**(0.3 hrs)**  
Bulletin  
25PACF:  
VECU-3 R&R  
Per Bulletin  
Procedure

**B25-23E:**  
**(HD & MD 0.2 hrs)**  
**(520/L770 0.5 hrs)**  
Bulletin  
25PACF:  
VCAN-2  
Jumper  
Harness  
Installation  
Per Bulletin  
Procedure

**B25-23F:**  
**(HD/520/L770 0.2 hrs)**  
**(MD 0.1 hrs)**  
Bulletin  
25PACF:  
Access to  
CSG2,  
VCAN-2

			Jumper Harness and VECU-3 (Can be used once per claim)
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## Procedure

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**Please follow your dealership's safety procedures and precautions to ensure the vehicle can be safely repaired and maintained. Read all steps before beginning.**

**Note: Ensure DAVIE4 software version is the latest before completing this procedure.**

For chassis listed as **Phase 1** on the attached chassis list, follow the software update procedures below. Hardware replacement is not required.

For chassis listed as **Phase 2**, refer to the attached **Parts Matrix** for chassis-specific replacement requirements. Follow the appropriate attached procedures to replace and program VECU-3, DD2, and CSG2 as necessary.

**i NOTE**

Software in all 3 modules (DD2, CSG2, VECU-3) must be updated.

Update software in the order specified in the procedures. Programming modules out of order can cause programming errors and may require module replacement in order to remedy the errors.

1. Process PACCAR Vehicle Pro (PVP) file.
  - In PACCAR.net open PACCAR Vehicle Pro (PVP).
  - Enter chassis number.
  - Select "Save and Continue."
  - Select "Submit".
2. Connect the 12V battery charger to the vehicle's 12V battery.
3. Connect DAVIE4 tool.
  - Connect Nexiq to the 9-pin diagnostics connector.
  - Connect the Ethernet cable. See TIB 98-016 for Ethernet cable details.

NOTE: Do not connect the DAVIE4 Ethernet cable directly to the Digital Display (DD2). Doing so bypasses the Central Security Gateway (CSG) and may cause a software update issue.



*Ethernet cable*

*9-pin diagnostics connector*

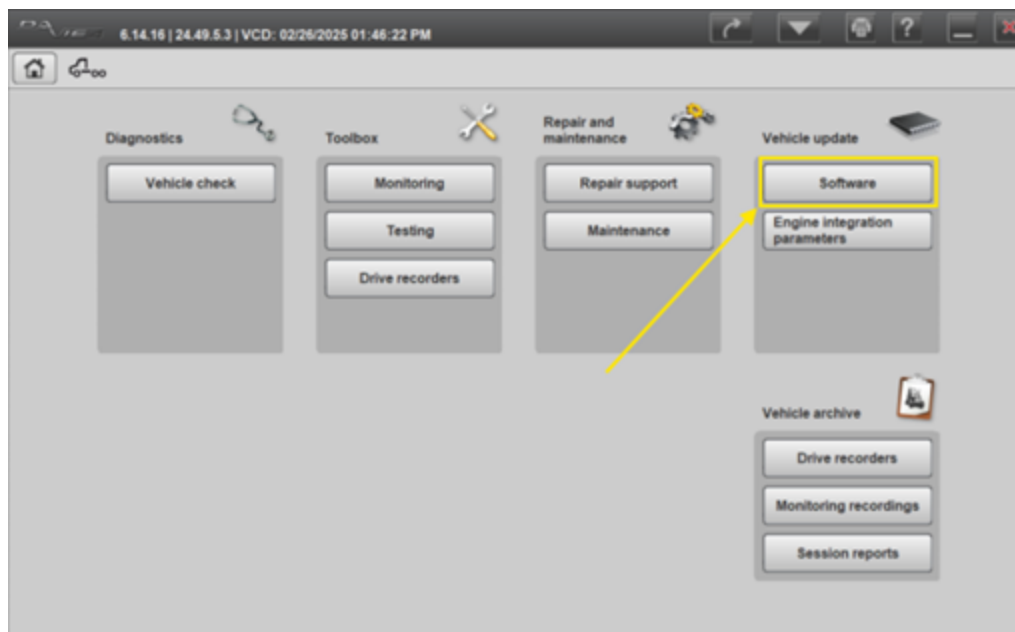
1. Ensure the PVP file is fully processed before moving on to the next steps.
2. Download required Digital Display (DD2), Central Security Gateway (CSG2) and Vehicle Electronic

Control Unit (VECU3) software using DAVIE4.

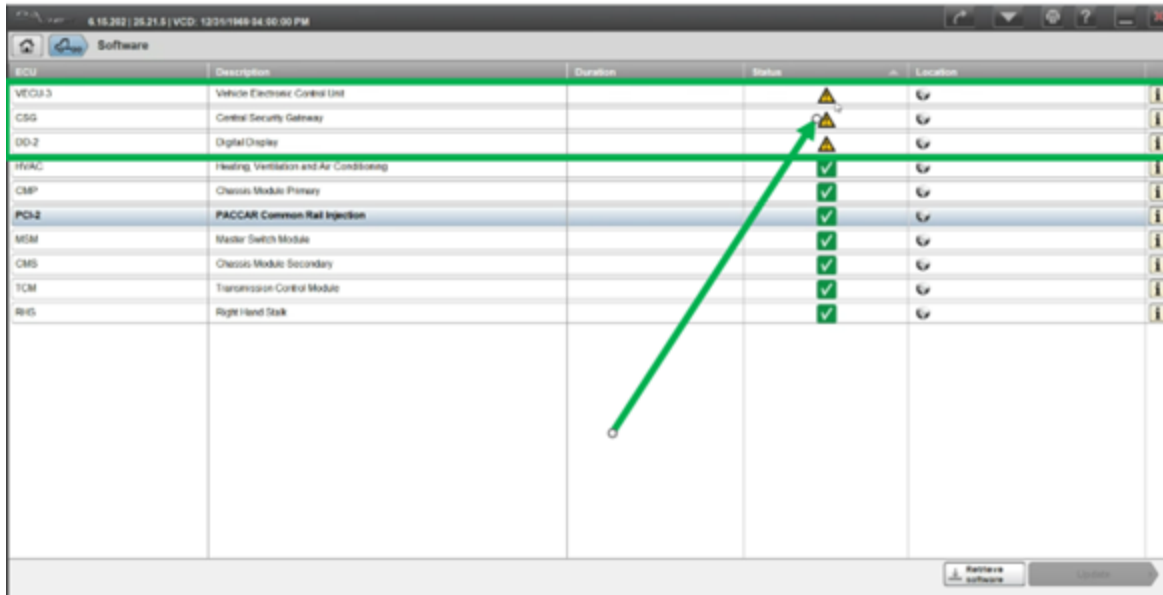
- Click “Identify Vehicle” on DAVIE4 Home Screen.



- Under “Vehicle update” section, click on “Software”.



- Retrieve software for DD2, CSG2 and VECU3.



3. Upload required software for DD2, CSG2 and VECU3 modules following the prompts in DAVIE4 and **in order listed below.**
  - o Update DD2 module
  - o Update the CSG2 module.
  - o Update VECU3 module.
4. Run “relearn switches” following DAVIE4 prompts.
5. Clear codes in all modules.
  - o Refresh “Vehicle Check” to ensure there are no active fault codes.
6. Disconnect DAVIE4 and battery charger.

## Parts

See attached Parts Matrix for parts required per chassis.

Quantity	Part Number	Description
As Needed (Up to 15)	Locally Sourced	Cable Ties

## Links

[PB Chassis List](#)

[PB Parts Matrix](#)

[PB HD Procedures](#)

[PB MD & 567 Car Hauler Procedures](#)

[PB Model 520 Procedures](#)

[PB Customer Letter - US](#)

[PB Customer Letter - Canada](#)

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Authored by: JK / BDS

## Revision History

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12/08/2025: Parts and procedures are now available for all affected chassis.

08/19/2025: The procedure section has been updated with a note to inform technicians to not connect the DAVIE4 Ethernet cable directly to the Digital Display (DD2). Doing so bypasses the Central Security Gateway (CSG) and may cause a software update issue.