

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

Safety Recall

Peterbilt chassis will be flagged in SIR on 07/28/2025.

Procedures are now available for **Phase 1** chassis equipped with Internal Combustion Engines (ICE) and Vehicle Electronic Control Unit (VECU) part number Q21-1157-013-011 / Q21-1157-013-013.

Parts and procedures for **Phase 2 and 3** chassis will be available at a later date. This bulletin will be updated at that time. Please refer to the condition section for more details.

Certain Ethernet Multiplexed Architecture (EMUX) chassis fail to conform to Federal and Canada Motor Vehicle Safety Standards (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.

This bulletin will be released in 3 phases:

Phase 1: ICE chassis equipped with VECU part number Q21-1157-013-011 / Q21-1157-013-013.

Phase 2: Battery Electric Vehicles (BEV) chassis equipped with VECU part number Q21-1157-013-011 / Q21-1157-013-013.

Phase 3: ICE and BEV chassis equipped with VECU part number Q21-1157-004-002 / Q21-1157-004-003 / Q21-1157-004-004 / Q21-1157-006-006 / Q21-1157-009-009 / Q21-1157-004-012.

Introduction

Safety Recall

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Situation

31,389 (29,206 US and 2,183 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

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 and repair scope is available.
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 DD2, Central Security Gateway (CSG) and VECU3 software as necessary.

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.

Warranty

Starting on 07/25/2025, there is no time or mileage limit for this recall.

Peterbilt will pay for labor to update the DD2, CSG2 and VECU3 as necessary.

- **0.5 hours** labor to process a PVP file and program software for DD2, CSG2 and VECU3 using DAVIE4.

Use Recommended Repair Code **25PACFA**.

- For supplemental repairs, file a long form claim and use code **25PACF** in the Campaign Code field.
- File the claim within 7 days in accordance with Warranty Policy.

Take off parts disposition: N/A

PRWS CLAIM CODING			
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	003-001-088	Causal Part	Q21-1157-013-013
Supplier Code	N/A	SRT Code	B25-23A 0.5 hrs Bulletin 25PACF: Update software for CSG2, DD2, VECU3 and perform repair verification per bulletin procedure

Procedure

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

Software update procedure for Phase1 ICE chassis equipped with VECU part number Q21-1157-013-011 / Q21-1157-013-013.

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

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.



Ethernet cable

9-pin diagnostics connector

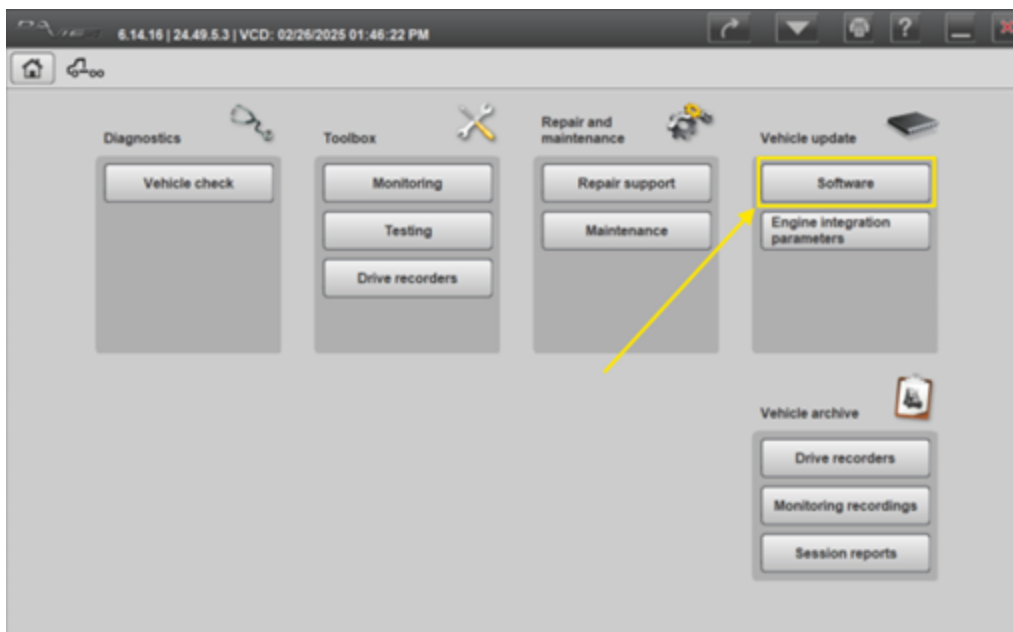
4. Ensure the PVP file is fully processed before moving on to the next steps.
5. Download required Digital Display (DD2), Central Security Gateway (CSG2) and Vehicle Electronic

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.

ECU	Description	Duration	Status	Location
VECU3	Vehicle Electrical Control Unit		⚠	📍
CSG	Central Security Gateway		⚠	📍
DD-2	Digital Display		⚠	📍
HVAC	Heating, Ventilation and Air Conditioning		✅	📍
CMP	Chassis Module Primary		✅	📍
PCM2	PACCAR Common Rail Injection		✅	📍
MSM	Master Switch Module		✅	📍
CMS	Chassis Module Secondary		✅	📍
TCM	Transmission Control Module		✅	📍
RWS	Right Hand Side		✅	📍

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

Parts

Software only. No parts.

Links

[PB Chassis List](#)

Authored by: JK