

25PBC: Battery Electric Vehicle (BEV) Accelera High Voltage Interlock Loop Circuit (HVIL)

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Number

25PBC / NHTSA #: 25V181 / Transport Canada #: 2025-150

Supplier

Accelera by Cummins

Description

Battery Electric Vehicle (BEV) Accelera High Voltage Interlock Loop Circuit (HVIL)

Date

4/7/2025

What's New

Safety Recall

Certain Peterbilt Battery Electric Vehicle (BEV) chassis equipped with certain Accelera High Voltage Interlock Loop (HVIL) circuit configurations may experience a sudden loss of high voltage power with unintended opening of electrical contractors, which may occur without warning. This can result in a loss of propulsion and may increase the risk of a crash.

Software version verification, along with the installation of an upgraded circuit overlay harness kit, is required to address this issue.

Safety Recall start date: 04/29/2025

Introduction

Certain Peterbilt Battery Electric Vehicle (BEV) chassis equipped with certain Accelera High Voltage Interlock Loop (HVIL) circuit configurations may experience a sudden loss of high voltage power with unintended opening of

electrical contractors, which may occur without warning. This can result in a loss of propulsion and may increase the risk of a crash.

Software version verification, along with the installation of an upgraded circuit overlay harness kit, is required to address this issue.

Safety Recall start date: 04/29/2025

Situation

183 – (154 US / 29 Canada) Model Year 2022-2025 520EV and 579EV chassis built from 02/26/2020 through 11/20/2024 equipped with an Accelera Power Control Accessory Subsystem (PCAS).

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.
2. In Service Management, select Campaign **25PBC** 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 **25PBC** campaign code prior to performing this repair.
4. Follow the procedures to verify software and install two overlay harnesses.

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

There is no time or mileage limit for this recall.

Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- Ensure submission of Meritor Ontrac case per 25PBC Repair Procedure has been completed. Failure to do so

may result in warranty claim denial.

- **2.3 hours** to verify software and install two overlay harnesses. Use Recommended Repair code **25PBC**.
- For supplemental repairs, file a long form claim and use code **25PBC** in the Campaign Code field.
- File the claim within 7 days in accordance with warranty policy.

Take-Off Parts Disposition: Destroy take-off parts 30 days after claim is paid

PRWS CLAIM CODING			
Campaign Code:	25PBC	Campaign Type	Safety Recall
Claim Category:	Truck	Repair Type	Proactive
Customer Concern Code	059	Causal Code	23
Corrective Action Code	22	Responsibility Code:	SUP-Supplier
Failure Location	003-008-001	Causal Part	CPT6567652
Supplier Code	17114EV	SRT Code	B25-13A 2.3 Hours Bulletin 25PBC: Verify Software and Install HVIL Service Kit Per Bulletin Procedure

Procedure

Please follow your dealership's safety procedures and precautions to ensure the vehicle can be safely repaired

and maintained.

Please see attachment in Links section below for procedures to verify software and install two overlay harnesses.

Parts

The following parts are available through PACCAR parts.

Part Number	Part Description	Quantity
CPT6567652	HVIL SERVICE KIT	1
N/A	Cable Ties	5

Links

- [25PBC PB Chassis List - Bulletin](#)
- [25PBC PB Repair Procedure](#)
- [25PBC PB US Customer Letter](#)
- [25PBC PB CAN Customer Letter](#)

Revision History

4/29/2025: Bulletin has been updated from interim to final. Procedure and parts are now available.

4/11/2025: Interim bulletin chassis are now flagged in the PACCAR Registration and Warranty System. Refer to Bulletin 99-048 for details.

Select the date.

IMPORTANT SAFETY RECALL

This notice applies to your vehicle. Your VIN(s) can be found on the bottom or back of this page.

Subject: Safety Recall: 25PBC – Battery Electric Vehicle (BEV) Accelerera High Voltage Interlock Loop Circuit (HVIL)
NHTSA: 25V181
EXPIRATION DATE: NONE

Dear Peterbilt Customer,

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

Peterbilt Motors Company has decided a defect which relates to motor vehicle safety exists in model 520EV and 579EV vehicles manufactured from 02/26/2020 through 11/20/2024 with an Accelerera HVIL circuit. In the event of a sudden break in the HVIL, the high voltage battery contactors may open unintentionally and without warning. As a result, this may cause a sudden loss of high voltage leading to a loss of propulsion, which may increase the risk of a crash.

<i>What is the problem?</i>	Unintentional opening of contactors in the HVIL circuit can cause sudden loss of high voltage leading to loss of propulsion.
<i>What will your dealer do?</i>	Your Peterbilt dealer will ensure the software is updated to the latest version and replace electrical harnesses.
<i>What should you do?</i>	Contact your dealer immediately to schedule an appointment.

Peterbilt has initiated this recall to remedy the issue at no charge to you. Please contact your Peterbilt dealer to schedule an appointment for these services. To find your Peterbilt dealer, please visit the "Find a Dealer" link at www.Peterbilt.com or scan the QR code. When contacting your Peterbilt dealer, reference the Safety Recall number, NHTSA Recall Number, and VIN(s) listed in this letter. This repair may take up to **5 hours** of labor depending on dealer scheduling.

If you had this repair performed before receiving this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall. Receipts for parts and/or labor are required for consideration of reimbursement. Contact your local Peterbilt dealership for details.

If you require further information about this recall or experience any difficulty in making arrangements for this repair, please contact the Peterbilt Customer Experience Department at PB.Tech.Pubs.Dept@paccar.com.

If you conclude that Peterbilt has not enabled you to remedy this defect in a reasonable time and without charge, you may submit a complaint to: Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, S.E., Washington, DC 20590, or call the toll free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

Federal regulation requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days. If you no longer own this vehicle, we would appreciate your advising us of the new owner. Please send all known ownership and address changes to PBDiv.Warranty.Docs@paccar.com.

We apologize for any inconvenience this procedure may cause and thank you for your participation in helping Peterbilt provide the highest levels of customer satisfaction and service expertise. We value your business and appreciate your ongoing loyalty to Peterbilt and its dealer network. Industry-leading quality, performance and reliability are hallmarks of Peterbilt products, and we thank you for making Peterbilt your truck of choice.

Sincerely,



Michelle Ponsonby
Director of Customer Experience
Peterbilt Motors Company

Scan this QR code to open the
Peterbilt Dealer Locator.

