

46-028: Peterbilt Model 520 Battery Electric Vehicle Accelera Power Steering System Check Valve

5/14/2026

46-028

Subject

Peterbilt Model 520 Battery Electric Vehicle (BEV) Accelera Power Steering System Check Valve

Whats New Abstract

Certain Peterbilt Model 520 BEV chassis with an Accelera Power Control and Accessory System (PCAS) were manufactured without a check valve in the power steering system.

Condition

Installing a check valve will ensure consistent power steering performance, in the event of a power steering pump failure.

Chassis Affected

86 (77 US and 9 Canada) vehicle model year 2021-2026 Model 520 BEV chassis manufactured between 12/17/2020 and 06/06/2025

Action

Campaign

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 **46-028** 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 **46-028** campaign code prior to performing this repair.
4. Follow the procedures in the Attachments section to inspect the power steering system and perform check valve installation when applicable.

Warranty

Starting on **05/14/2026** and for repairs completed by **06/01/2027**, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- **0.2 hours** of labor to inspect for the presence of a check valve on the PCAS power steering system – **Check valve is present. No repair required.** Select Recommended Repair Code **46-**

028A.

- **1.2 hours** of labor to inspect for the presence of a check valve on the PCAS power steering system – **Check valve is not present. Install a check valve.** Select Recommended Repair Code **46-028B.**
- File an additional claim for extraordinary circumstances. A Recommended Repair for standard labor must be filed first.
- File the claim within 14 days in accordance with the Warranty Policy.

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

PRWS CLAIM CODING			
Campaign Code:	46-028	Campaign Type:	Field Repair
Claim Category:	Truck	Repair Type:	Proactive
Customer Concern Code:	146	Causal Code:	46
Corrective Action Code:	06	Responsibility Code:	CAMPSUPP
Failure Location:	015-005-016	Causal Part:	CPT110715
Supplier Code:	17114EV	SRT Code:	B26-23A 0.2 HRS Bulletin 46-028: Battery Electric Vehicle Accelerator Power Steering System Check Valve [Inspection] B26-23B 1.2 HRS Bulletin 46-028: Battery Electric Vehicle Accelerator Power Steering System

			Check Valve [Installation]
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Parts

Parts are only required if the chassis does not have a check valve present.

Quantity	Part Number	Description
1	CPT110715	VALVE, CHECK
1	6491247	COUPLING, ELBOW HOSE
1 quart	Locally Sourced	Synthetic automatic transmission fluid
2	Locally Sourced	Cable Ties
2	Locally Sourced	Absorbent Pads

Procedure



WARNING!

Repair or maintenance procedures may pose a safety risk in limited circumstances. You must read all procedure steps before performing any work and follow all dealership safety procedures or precautions. Failure to comply may result in death, personal injury, equipment damage, or property damage.

Please see the Attachments section below for procedures to inspect the power steering system and perform check valve installation when applicable.

Attachments

[12V De-Energizing and Re-energizing Procedures](#)

[46-028 BEV Accelera Power Steering System Check Valve - Chassis List](#)

[46-028 BEV Accelera Power Steering System Check Valve - Customer Letter](#)

[46-028 BEV Accelera Power Steering System Check Valve - Customer Letter - French](#)

[46-028 BEV Accelera Power Steering System Check Valve - Repair Procedure](#)



Peterbilt Motors Company
Customer Service Department
C/O PACCAR Parts
750 Houser Way North
Renton, WA 98057
(425) 828-5888

[Date]

Subject: 46-028: Peterbilt Model 520 Battery Electric Vehicle Accelera Power Steering System Check Valve
Expiration Date: 06/01/2027



FIELD SERVICE CAMPAIGN

This notice applies to your vehicle(s) with VIN(s) listed at the bottom or back of this page.

Dear Peterbilt Customer,

Peterbilt Motors Company has determined that certain Model 520 Battery Electric Vehicles (BEV) manufactured between 12/17/2020 and 06/06/2025 with an Accelera Power Control and Accessory System were manufactured without a power steering check valve. The check valve is installed on the power steering pump and retains hydraulic pressure in the event of pump failure, providing a gradual reduction in steering assist. Without a check valve, in the event of pump failure, a driver may experience a more sudden reduction in steering assist but will not lose steering control.

What is the problem?	Accelera may not have installed a power steering check valve during production.
What will your dealer do?	Inspect the power steering system and perform check valve installation when applicable.
What should you do?	Contact your dealer to schedule a repair appointment. This service may require up to 2 hours of labor.

To locate your nearest dealer please scan the QR code at the top of this letter or use Find a Dealer at www.Peterbilt.com. When scheduling this service, please refer to campaign 46-028: Peterbilt Model 520 Battery Electric Vehicle Accelera Power Steering System Check Valve and the VIN(s) listed in this letter. There will be no charge to you if completed by 06/01/2027.

If you no longer own the vehicle(s), please send an e-mail to servicebulletins@paccar.com with the complete VIN(s) and the name and address of the new owner.

We appreciate your attention to this matter and value your loyalty to Peterbilt and its dealer network.

Sincerely,

Peterbilt Customer Service