

46-020: Model 520 BEV and 579 BEV Electric Power Take-Off Motor Mount and Spline Upfit

7/22/2026

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46-020

Subject

Model 520 BEV and 579 BEV Electric Power Take-Off Motor Mount and Spline Upfit

Whats New Abstract

A new electric power take-off (ePTO) motor mount shim and an improved spline shaft are available for certain Model 520 BEV and 579 BEV chassis with ePTO motors.

Revision

07/22/2026: Certain unaffected chassis have been removed from the chassis population.

Condition

Certain electric power take-off (ePTO) motor mounts and spline shafts may vary from intended manufacturing specifications, potentially affecting spline wear over time.

Chassis Affected

28 (21 US and 7 Canada) vehicle model year 2022-2025 Model 520 BEV and 579 BEV manufactured between 07/20/2021 and 08/12/2024 equipped with ePTO motors

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 **46-020** 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 **46-020** campaign code prior to performing this repair.
4. Follow the procedures in the Attachments section to inspect the ePTO system and replace part(s) as necessary.

Warranty

Starting on **06/25/2026** and for repairs completed by **07/01/2027**, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- **0.4 hours** to inspect the ePTO system for aftermarket equipment and install the motor mount shim. Use Recommended Repair Code **46-020A**.
- **1.6 hours** to inspect the ePTO system for aftermarket equipment, install the motor mount shim, replace

the spline shaft, and inspect the ePTO motor's spline socket. Use Recommended Repair Code **46-020B**.

- **11.2 hours** to inspect the ePTO system for aftermarket equipment, install the motor mount shim, replace the spline shaft, inspect the ePTO motor's spline socket, and replace the ePTO motor. Use Recommended Repair Code **46-020C**.
- 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:

- Return cores through EZ Trac

PRWS CLAIM CODING			
Campaign Code:	46-020	Campaign Type	Field Repair
Claim Category:	Truck	Repair Type	Proactive
Customer Concern Code	001	Causal Code	30
Corrective Action Code	03	Responsibility Code:	CAMP-Campaign
Failure Location	048-001-006	Causal Part	E05-6022
Supplier Code	N/A	SRT Code	B26-04A (0.4 hours) Inspect the ePTO system for aftermarket equipment and install the motor mount shim

		per bulletin procedure B26-04B (1.6 hours) Inspect the ePTO system for aftermarket equipment, install the motor mount shim, replace the spline shaft, and inspect the ePTO motor’s spline socket per bulletin procedure B26-04C (11.2 hours) Inspect the ePTO system for aftermarket equipment, install the motor mount shim, replace the spline shaft, inspect the ePTO motor’s spline socket, and replace the ePTO motor per bulletin procedure
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For campaign filing questions, reference Peterbilt Warranty Procedure Manual – Section 8.

Parts

Quantity	Part Number	Description	Stock Location
1	E05-6024	SPLINE SHAFT, ePTO	PDC
1	Y80-6001	SHIM – PTO,	PDC

Quantity	Part Number	Description	Stock Location
		BRACKET	
1 (as needed per inspection)	CPT110412	ePTO MOTOR ASSY	PDC
Partial container	N/A	HIGH-PRESSURE SYNTHETIC GREASE, NLGI 2 WITH EP ADDITIVE or equivalent	Locally sourced
Partial container	N/A	COPPER PASTE	Locally sourced
4	N/A	BOLT M14-2.0 – CLASS 8.8 • If no aftermarket equipment is installed, order 40mm length for shim plate installation. • If aftermarket equipment is installed, the length depends on the installer's judgment for it.	Locally sourced
8	N/A	FLAT WASHER M14 – CLASS 8	Locally sourced
4	N/A	HEX LOCK NUTS M14-2.0 – CLASS 8	Locally sourced
1 (as needed if the ePTO motor requires replacement)	EC3501 (Canadian Part Number EC7501)	COOLANT – TRP ELC or equivalent	DSP / Locally sourced

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 ePTO system and replace part(s) as necessary.

Attachments

[46-020: Model 520 BEV and 579 BEV Electric Power Take-Off Motor Mount and Spline - Repair Procedure](#)

[46-020: Model 520 BEV and 579 BEV Electric Power Take-Off Motor Mount and Spline Upfit - Chassis List](#)

[46-020: Model 520 BEV and 579 BEV Electric Power Take-Off Motor Mount and Spline Upfit - US Customer Letter](#)

[46-020: Model 520 BEV and 579 BEV Electric Power Take-Off Motor Mount and Spline Upfit - CAN Customer Letter](#)