

# 46-016 - Battery Electric Vehicle Software Update R6.002

4/29/2025

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46-016

## Subject

Battery Electric Vehicle Software Update R6.002

## Whats New Abstract

### Campaign

A software update is available for 520EV and 579EV Battery Electric Vehicles. This software update corrects or improves certain functions.

Software update procedures have been revised.

Campaign start date is **12/05/2024**.

## Revision

**04/29/2025:** Updated procedures revised to include ACC Parameter change.

## Condition

Certain Peterbilt 520EV and 579EV Battery Electric Vehicles (BEVs) with software R5.007 or earlier must be updated to R6.002. This update fixes or improves the following functions:

1. Improves maintenance mode control logic for 12V battery charging, preventing 12V battery discharge during vehicle charging and improving 12V battery health.
2. Enables cruise control cancel in neutral.
3. Improves Regenerative Braking System dash lamp control.
4. Reduces or eliminates false fault codes.
5. Prevents intermittent cabin heater shutoff.
6. Enables future High Voltage Interlock Loop (HVIL) hardware integration.
7. Enables new customer-configurable parameters for cruise control speed and Maintenance Mode State of Charge (SoC) drop.
8. Adds vehicle functionality for future Blue Horizon service tool updates.
9. Adds VIN and software Part Number functions to telematics.

## Chassis Affected

171 (146 US and 25 Canada) Model Year 2019-2025 520EV and 579EV Battery Electric Vehicles with Vehicle software version R5.007 or earlier, built from 02/26/2020 through 11/05/2024.

## Action

### Campaign

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

This campaign can be performed at any time convenient for the customer (for example: during the next scheduled

maintenance interval).

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. Review SIR for "COMPLETED" next to the 46016 campaign code prior to performing this repair.
3. If using Service Management, select Campaign 46016 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.
4. Follow attached repair procedures to update vehicle software to version R6.002.



#### **WARNING!**

**ONLY A LEVEL 3 BATTERY ELECTRIC  
VEHICLE TRAINED TECHNICIAN  
SHOULD PERFORM THIS WORK.**

Failure to comply may result in death,  
injury, or property damage.



#### **NOTE**

You must have the latest version of Meritor Blue  
Horizon EV Diagnostic Software to perform this  
update.

If you do not have this software, it can be  
purchased at the following link:

<https://meritor.snapon.com/Shopping/Catalog.aspx>

## Warranty

Starting from **12/05/2024**, through Standard Warranty or any applicable active Extended Warranty, Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- **1.2 hours** labor to open TCS365 case, Meritor OnTrac case, and update SCM to R6.002 software. Use Recommended Repair Code **46016**.
  - This claim **MUST** include a Meritor OnTrac claim number. See Meritor Warranty Claim Instructions for

more information.

- File the claim within 7 days in accordance with the Warranty Policy.
- Cross-division repairs are not allowed for this campaign.

**Take-Off Parts Disposition: N/A**

| PRWS CLAIM CODING      |                   |                     |                                                                                                                                                             |
|------------------------|-------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Campaign Code          | 46016             | Campaign Type       | Field Repair                                                                                                                                                |
| Claim Category         | Truck             | Repair Type         | Proactive                                                                                                                                                   |
| Customer Concern Code  | 296               | Causal Code         | 95                                                                                                                                                          |
| Corrective Action Code | 23                | Responsibility Code | Supplier                                                                                                                                                    |
| Failure Location       | 003-001-082       | Causal Part         | Q21-1126-910-910                                                                                                                                            |
| Supplier Code          | 17114EV – Meritor | SRT Code            | <b>B24-51A</b><br><b>1.2 HRS</b><br>520EV<br>and<br>579EV<br>Battery<br>Electric<br>Vehicle<br>Software<br>Update<br>R6.002<br>Per<br>bulletin<br>procedure |

## Procedure

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

and maintained.

Refer to Bulletin 46-001 for BEV training, tooling, and safety information.

Read all steps before beginning.

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
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| Failure to comply may result in death,<br>injury, or property damage.                               |

Follow steps in attached Procedure Document to update software.

## Attachments

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[46-016 PB Chassis List - Bulletin](#)

[46-016 PB Customer Letter](#)

[46-016 PB Procedure](#)