

# Technical Journal

TITLE:

**BEV High Voltage Battery Replacement**

<b>REF NO:</b> TJ 36418.3.0	<b>ISSUING DEPARTMENT:</b> Technical Service	<b>CAR MARKET:</b> United States and Canada	
<b>PARTNER:</b> 3 US 7515 Polestar		<b>ISSUE DATE:</b> 2024-02-08	<b>STATUS DATE:</b> 2024-02-21
<b>FUNC GROUP:</b> 3113	<b>FUNC DESC:</b> Battery, high voltage	<b>Page 1 of 6</b>	

**Attachment**

File Name	File Size
TJ_36418_1.pdf	0.1184 MB

Rows beginning with \* are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

**DESCRIPTION:**

In the event of complete high-voltage battery replacement, the battery being installed may not have the same cell chemistry as the battery being removed.

The replacement battery will always have the same or higher capacity compared to the original battery.

To be able to use another cell chemistry you need to download a unique SP (Software Product).

This TJ will guide you on which SP to use in the event of high-voltage battery replacement where the battery is replaced with new cell chemistry and also explains the sequence for downloading the SP and update software.

Please follow the instructions under “Service.”

**CSC Customer Symptom Codes**

Code	Description
7B	Starting/Engine does not start/Engine does not turn/No clicking sound at start attempt

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## DTC Diagnostic Trouble Codes

### Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
534	ED	E400V6					2021-2023		-	202007-202316
534	EG	E400V9					2022-2023		-	202122-202316

### SERVICE:

\*When a new battery is installed and the cell chemistry is different a unique SP is necessary, see attachment "TJ\_36418\_1.pdf."

The SP changes the Variant Attribute in the vehicle to match that of the replacement battery.

The information of what battery is installed in the vehicle could be found in VIDA, Vehicle details, Variant Attribute, and search for VDN code CKxx. The part number label is placed on the rear left side of the HV battery.

Use the following sequence when installing the SP, BECM reload, and software upgrade.

1. Software product to change from one CK to another. See attachment "TJ\_36418\_1.pdf."
2. Perform BECM reload
3. Perform a total upgrade

**If the wrong SP is used, the car will not start after the battery replacement.**

### Warranty claim info:

To get a warranty claim accepted for a job described in this TJ, please use the following data:

VST OP number: 36004-2

**Note:** TJ number must be stated in the repair order text.

### VST Operation Number

VST Operation Number	Description
36004-2	Software control module downloading

### LABOR TIME:

Labor time subject to change without notice.

### VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use concern area "Vehicle Report Polestar" and sub concern area "Support needed Polestar," use function group 3113.

**To view TJ attachment continue to next page. This TJ has one attachment.**

**Software Product list BEV  
VDN code CK06 27 modules**

Current part number	replacing part number	SP number for VDN update	replacing part number	SP number for VDN update
<b>CK06</b>	<b>CK25</b>	32397478 SP	<b>CK28</b>	32436199 SP
32290433	32361092		32441006	
36051298	36051303		36051451	
	32336733		32441007	
	36051304		36051452	

**Software Product list BEV  
VDN code CK25 27 modules**

Current part number	replacing part number	SP number for VDN update
<b>CK25</b>	<b>CK28</b>	32436199 SP
32361092	32441006	
36051303	36051451	
32336733	32441007	
36051304	36051452	

**Software Product list BEV  
VDN code CK23 24 modules**

Current part number	replacing part number	SP number for VDN update	replacing part number	SP number for VDN update
<b>CK23</b>	<b>CK24</b>	32397476 SP	<b>CK29</b>	32436199 SP
32290433	32361091		32441008	
36051298	36051292		36051450	

**Software Product list BEV  
VDN code CK24 24 modules**

Current part number	replacing part number	SP number for VDN update
<b>CK24</b>	<b>CK29</b>	32436200 SP
32361091	32441008	
36051292	36051450	