

Technical Journal

TITLE:

BEV High Voltage Battery Replacement

REF NO: TJ 36451.1.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2022-12-09	STATUS DATE: 2022-12-19
FUNC GROUP: 3113	FUNC DESC: Battery, high voltage	Page 1 of 3	

“Right first time in Time”

Attachment

File Name	File Size
Sp list 36451.pptx	0.0358 MB

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 than the original battery.

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 high voltage battery replacement where the battery is replaced with different cell chemistry.

Please follow the instruction under “Service.”

CSC Customer Symptom Codes

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

DTC Diagnostic Trouble Codes

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Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
536	ED	E400V6					2021-2023		-	202037-202317
539	ED	E400V6					2022-2023		-	202139-202317

SERVICE:

When a new battery is installed and the cell chemistry is different a unique SP is necessary, see attachment "SP list 36418.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 can 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:

1. Software product to change from one CK to another see attachment "SP list 36418.pdf".
2. Perform BECM Reload
3. Perform 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

VEHICLE REPORT:

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

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

Software product list BEV

Type	Model Year	For vehicle with CK06 Battery part numbers 32361092, 36003632, 36051303, 32336733, 36003633, 36051304
XC40 AWD	2021	SP 32397477
	2022	