

**Volvo Car USA LLC****Technical Journal**

Technical Journal Title BEV High Voltage Battery Replacement		Ref. No. TJ 36451.3.0	
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Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 3113	
Function Description Battery, high voltage		Page Page 1 of 3	

Attachment

File Name	File Size
TJ_36451_1.pdf	0.1109 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

DTC Diagnostic Trouble Codes**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
536	EF	E400V2					2022-2023		-	202146-202317
539	ED	E400V6					2022-2023		-	202139-202317
539	EF	E400V2					2022-2023		-	202146-202317

SERVICE:

*When a new battery is installed and the cell chemistry is different a unique SP is necessary, see attachment "TJ_36451_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 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, BECM reload, and software upgrade.

- *1. Software product to change from one CK to another. See attachment "TJ_36451_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

VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use the 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

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