



Volvo Car USA LLC

Technical Journal

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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 2	

Rows beginning with * are modified

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DESCRIPTION:

When replacing a high-voltage battery cell module in a Standard Range PHEV, please follow the instructions under "Service."

PHEV = Plug-in Hybrid Electric Vehicle
 BECM = Battery Energy Control Module
 ECU= Electronic Control Unit

CSC Customer Symptom Codes

Code	Description
BE	Starting/Engine does not start/Engine does not turn/Unsure when/at all times
7G	Text window and warning symbol/Yellow symbol and text message
FB	Text window and warning symbol/Other problems

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
BECM	P0EE162	Permanent
BECM	P0A7F62	Permanent
BECM	P0EDD62	Permanent
BECM	P0EDE62	Permanent
BECM	P0EDF62	Permanent
BECM	P0EE062	Permanent

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	BK	B1LPHEV					2020-2022		-	201928-202145
224	BR	B1FPHEV					2019-2022		-	201850-202146
225	BK	B1LPHEV					2020-2022		-	201928-202146
225	BR	B1FPHEV					2020-2022		-	201925-202146
238	BC	B1BPHEV					2018-2018		-	201726-201744
238	BR	B1FPHEV					2018-2022		-	201746-202142
246	BK	B1LPHEV					2020-2022		-	201928-202146

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
246	BR	B1FPHEV					2018-2022		-	201719-202146
256	BC	B1BPHEV					2016-2017		-	201526-201716
256	BR	B1FPHEV					2018-2022		-	201717-202146

SERVICE:

When replacing a cell module on a Standard Range PHEV the BECM must contain the latest software version before beginning the repairs. This is important for using the VIDA method described below. Updated BECM software was released in 2023 week 36 (version 2.11).

To successfully replace a cell module please follow the instructions in VIDA. VIDA will guide you on what target voltage you should charge the new module to and also to reset the cell capacity for the module that is being replaced (Components / ECUs / BECM / Diagnostic Sequences / Getting Target Voltage for New Module at Replacement).

Warranty claim info:

*To get a warranty claim accepted for a job described in this TJ, if the software needs to be updated use the corresponding VST OP number stated in this TJ.

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

VST Operation Number

VST Operation Number	Description
36002-3	Additional Software control module downloading
36001-2	Software control module downloading

VEHICLE REPORT:

Yes, please submit a Vehicle Report if technical support is needed. Use the concern area "Vehicle Report" and sub-concern area "Support needed," use function group 3113.