

V O L V O

Volvo Car USA LLC

Technical Journal

Technical Journal Title SR PHEV Cell Module Replacement		Ref. No. TJ 36376.6.0	
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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 2	

Rows beginning with * are modified

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DESCRIPTION:

*CSCs and Vehicle types added.

If there is a decision taken to replace a cellmodule in a SR PHEV, please follow instruction under service.

SPA = Scalable Product Architecture

BECM = Battery Energy Control Module

ECU= Electronic Control Unit

CSC Customer Symptom Codes

Code	Description
53	Driving, Twin Engine/Propulsion using electric motor not possible
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
IV	Text window and warning symbol/Text message

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
BECM	POBBD92	Permanent
BECM	POBBE62	Permanent
BECM	POEE162	Permanent
BECM	POA7F62	Permanent
BECM	POEDD62	Permanent
BECM	POEDE62	Permanent
BECM	POEDF62	Permanent
BECM	POEE062	Permanent

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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
246	BR	B1FPHEV					2018-2022		-	201719-202146
256	BC	B1BPHEV					2016-2017		-	201508-201716
256	BR	B1FPHEV					2018-2022		-	201717-202146

SERVICE:

Before replacing a cell module, make sure the latest BECM software is downloaded. This is important for utilizing the VIDA method described here and receiving the correct cell balancing diagnostics after the replacement.

To successfully replace a cell module, please follow the instructions in VIDA based on the CSC fault tracing.

VIDA will guide you to what target voltage you should charge the new module to and to reset the cell capacity for the module that is being replaced (Components / ECUs BECM / Diagnostic Sequences / Obtaining target voltage for new cell module at replacement).

Warning: Do not reset cell capacities for modules that are not being replaced!!!

Warranty claim info:

To get a warranty claim accepted for a job described in this TJ if the software need 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 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.