



Technical Journal

TITLE:
BECM (Battery Energy Control Module) software update available

REF NO: TJ 33931.6.1	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2019-07-15	STATUS DATE: 2019-07-19
FUNC GROUP: 3113	FUNC DESC: Battery, high voltage	Page 1 of 3	

“Right first time in Time”

Attachment

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
2XX	BA						2016-2019		-	201526-201839
2XX	BC						2016-2019		-	201526-201839
2XX	BM						2018-2019		-	201717-201839
2XX	BR						2018-2019		-	201717-201839

CSC Customer Symptom Codes

Code	Description
YS	Drive mode "HYBRID"/Combustion engine active/Always/too often
53	Driving, Twin Engine/Propulsion using electric motor not possible
55	Driving, Twin Engine/Propulsion using combustion engine/Always active/Active too often
YN	High voltage battery/Discharged/poor charge
YL	On board charger/No/reduced/incorrect function/With external cable
YM	On board charger/No/reduced/incorrect function/While driving
FB	Text window and warning symbol/Other problems
DL	Warning lights and chimes/Malfunction Indicator Light ("Check engine" light) indication/no indication



VST Operation Number

VST Operation Number	Description
36004-2	Software control module downloading
31116-2	Battery, connection and disconnection

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
BECEM	P0CA400	Intermittent
BECEM	U029A00	Intermittent
BECEM	P0DAF00	Intermittent
BECEM	P0DB300	Intermittent
BECEM	P0DB700	Intermittent
BECEM	P0DBB00	Intermittent
BECEM	P0DBF00	Intermittent
BECEM	P0DC300	Intermittent
BECEM	P0C4200	Intermittent
BECEM	P0C7600	Intermittent

Rows beginning with * are modified

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

Text

DESCRIPTION:

*Noted software update must be performed before Software Product is applied

Updated battery energy control module software is now available via a Software Product.

This software addresses the following issues:

1. P0C7600, System Discharge Time Too Long
2. P0CA400, Charging Voltage High
3. U029A00, Lost Communication with Sensor Module
4. One or more of the above diagnostic trouble codes in combination with one or more Cell Balance diagnostic trouble codes (P0B3B00, P0B4000, P0B4500, P0B4A00, P0B4F00, P0B5400)
5. Irregular or low electrical distance shown in driver information module.

SERVICE:

*Update vehicle software as per TJ 31543, then load software product (SP):

XC90/XC60: 31483293

S90/V90: 31682449

S90L: 31472419

S60/V60: 32267765



For issue 5 above, it may be necessary to perform a 12V battery reset after loading the software. Disconnect 12 volt battery, wait approx. 20 minutes and connect it again.

This updated software will be included in additional Software products in the future, such as Total Upgrade & battery energy control module upgrade.

*Until that time, Total Upgrades, Predelivery Software and Service 2.0 software will overwrite this software. Please reload this SP if one of these packages is necessary.

Warranty claim info:

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

VST OP number 36004-2 Software control module downloading, 31116-2 Battery, connection and disconnection

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.