



# Technical Journal

TITLE:

**SPA Hybrid Irregular electrical distance to empty after software upgrade**

<b>REF NO:</b> TJ 33931.3.0	<b>ISSUING DEPARTMENT:</b> Technical Service	<b>CAR MARKET:</b> United States and Canada	
<b>PARTNER:</b> 3 US 7510 Volvo Car USA		<b>ISSUE DATE:</b> 2018-09-11	<b>STATUS DATE:</b> 2018-09-18
<b>FUNC GROUP:</b> 3113	<b>FUNC DESC:</b> Battery, high voltage	Page 1 of 2	

“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	BC						2016-2019		-	201526-201839
2XX	BR						2018-2019		-	201717-201839

## CSC Customer Symptom Codes

Code	Description
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

## VST Operation Number

VST Operation Number	Description
36004-2	Software control module downloading



## DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
BECM	P0CA400	Intermittent
BECM	U029A00	Intermittent
BECM	P0DAF00	Intermittent
BECM	P0DB300	Intermittent
BECM	P0DB700	Intermittent
BECM	P0DBB00	Intermittent
BECM	P0DBF00	Intermittent
BECM	P0DC300	Intermittent

Rows beginning with \* are modified

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### Text

#### DESCRIPTION:

It is possible that the vehicle displays irregular and very low electrical distance (range) after software upgrade, specifically after BECM (Battery Energy Control Module) software that was released 18w17. This BECM software may, in combination with specific vehicles, cause the Electric Range displayed in the DIM to be unreasonably low or to fluctuate.

Additionally, one or more of the stated DTC's may be set in the vehicle.

To resolve the above description, please follow advice under service.

#### SERVICE:

\*Improved BECM SW has been released.

\*Perform an upgrade of the software according to TJ 31543.

#### 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 not needed", use function group 3113.