

# V O L V O

## Volvo Car USA LLC

## Technical Journal

Technical Journal Title Propulsion Message with DTC BECM P0A9500 and/or P0E2F00		Ref. No. TJ 37376.2.1	
Issuer (Dept.) Technical Service		Issue Date 10/6/25	Status Date 10/9/25
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_37376_1.jpg	0.1399 MB

Rows beginning with \* are modified

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

## DESCRIPTION:

\*VST Operation No has been deleted.

If a customer experiences a "Propulsion Warning" message in the DIM in combination with BECM DTC's P0A9500 and/or P0E2F00, please follow the advice under "Service".

DIM - Driver Information Module

BECM - Battery Energy Control Module

## CSC Customer Symptom Codes

Code	Description
7B	Starting/Engine does not start/Engine does not turn/No clicking sound at start attempt
7G	Text window and warning symbol/Yellow symbol and text message

## DTC Diagnostic Trouble Codes

ECU	DTC	Fault Type
BECM	P0A9500	Permanent
BECM	P0E2F00	Permanent

## Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
536							2021-9999		-	202037-999952
539							2022-9999		-	202122-999952

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### SERVICE:

Perform a “High-voltage system overview” read out. (VIDA > Planning and Diagnostics > Service Functions > Diagnostic Sequences)

Note the BECM values in the following parameters:

BECM - High voltage battery, voltage

BECM - Voltage after fuse, front output (measuring point C)

BECM - Voltage after fuse, rear output (measuring point D)

If the BECM “voltage after fuse” values (front and rear) are greater than the high voltage battery, the BECM needs to be replaced. See the attachment “TJ 37376\_1” for an example of this issue. **Note that the car is in usage mode “Driving” and the gear shifter is out of park.**

This Technical Journal is a complement to the information in VIDA.

### Warranty claim info:

To get a warranty claim accepted for a job described in this TJ, use the corresponding VST OP number stated in this TJ.

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

### Failing Part:

32397518/32397473

### VST Operation Number

VST Operation Number	Description
36001-2	Diagnostic trouble codes read/reset

### 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.

**To view TJ attachment continue to next page. This TJ has one attachment.**

TJ 37376

BECM		IHFA		ACCA			
Parameter	Value	Parameter	Value	Parameter	Value		
BECM - High voltage battery, state of charge (SoC)	81.68 %	IHFA - High-voltage system, voltage	434.5 V	VCU1 - Air condition compressor module A ACCA, voltage	434 V		
BECM - High voltage battery, sum of cell voltages	433.8 V	IHFA - High voltage system, current	0 A	VCU1 - Air-Conditioning Compressor module A (ACCA), current	1 A		
BECM - High voltage battery, voltage	434 V	-----	-----	<b>HVHA</b>			
BECM - High voltage battery, current	12.9 A	IHFA - Low voltage side, voltage	14.4 V	<b>Parameter</b>			
-----	-----	IHFA - Low voltage side, current	55.7 A	VCU1 - HVHA low voltage supply	14 V		
BECM - Safety circuit (interlock) 1, status	Closed	-----	-----	VCU1 - HVHA status	Reserved		
BECM - Safety circuit (interlock) 2, status	Closed	IHFA - ECU supply voltage	14.4 V	VCU1 - HVHA high voltage	OK		
-----	-----	<b>IEM</b>		VCU1 - HVHA current consumption	8 A		
BECM - Contactor precharge, status	Open			VCU1 - HVHA requested power consumption	7000 W		
BECM - Contactor positive, status	Closed			VCU1 - HVHA power consumption	3880 W		
BECM - Contactor negative, status	Closed			<b>Vehicle</b>		<b>Parameter</b>	
BECM - High-voltage battery, contactor voltage	434.2 V					CEM - Usage mode	Driving
BECM - Voltage after fuse, front output	451.6 V					-----	-----
BECM - Voltage after fuse, rear output	449.3 V					CEM - Battery State of Charge (SoC)	90.4 %
-----	-----					CEM - Battery voltage	14.4 V
BECM - ECU supply voltage	14.02 V			CEM - Battery current	13 A		
BECM - Power sustain relay PSR, voltage	14.13 V	<b>OBC</b>		-----	-----		
		<b>Parameter</b>		CEM - Requested charge voltage from CEM	14.48 V		
		OBC - Charger output voltage	432.5 V	-----	-----		
		-----	-----	EGSM - Transmission park position	ParkNotEngaged		
		OBC - Safety circuit (interlock) 3, status	Closed				
		-----	-----				
		OBC - ECU supply voltage	14.34 V				