



## Volvo Car USA LLC

## Technical Journal

Technical Journal Title 12V Critical Charge Message w/ MVBM-B166094 MVBM-B165F94 DTC's set		Ref. No. TJ 35976.4.0	
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Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 3111	
Function Description Battery, complete		Page Page 1 of 2	

Rows beginning with \* are modified

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

### DESCRIPTION:

If the customer experiences a 12V Critical Charge message in the DIM, and the DTC's listed below are set, please follow the advice under "service".

DIM = Driver information Module

MVBM = Mid Voltage Battery Module

DTC = Diagnostic Trouble Code

### CSC Customer Symptom Codes

Code	Description
LN	12 V main battery/Weak or low electrical power
7G	Text window and warning symbol/Yellow symbol and text message
IV	Text window and warning symbol/Text message

### DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
MVBM	B165F94	Permanent
MVBM	B166094	Permanent

### Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
225	06	B06KERS					2022-2023		-	202122-202317
236	06	B06KERS					2022-2023		-	202122-202317
238	06	B06KERS					2022-2023		-	202122-202317
246	06	B06KERS					2022-2023		-	202122-202317
256	06	B06KERS					2022-2023		-	202122-202317

**SERVICE:**

Do not replace the MVBM or 12V battery if the customer experiences these symptoms. Delete the DTC's and perform a software update.

\*A software improvement (v2.14.3) is available in VIDA 2024 week 08, and is planned to be available via OTA 2024 week 10.

For software release information and timing, see VIDA - Release Notes.

If the customer experiences this issue, please perform a software upgrade according to TJ 31543.

**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.

**VST** Operation Number

VST Operation Number	Description
36004-2	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 not needed", use function group 3111.