

# Technical Journal

TITLE:

**12V Battery drained, CEM-U300096**

<b>REF NO:</b> TJ 36449.1.0	<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> 2022-12-05	<b>STATUS DATE:</b> 2022-12-09
<b>FUNC GROUP:</b> 3720	<b>FUNC DESC:</b> Electrical distribution box, fuse box	Page 1 of 2	

“Right first time in Time”

**DESCRIPTION:**

If the 12V battery is drained and/or the vehicle will not start and DTC CEM-U300096 is set, do not replace any hardware before checking if the vehicle has software V2.4 (released 22w42) or later.

If an updated software is available, see under service.

**CSC Customer Symptom Codes**

Code	Description
53	Driving, Twin Engine/Propulsion using electric motor not possible
71	Starting/Vehicle start-up is not possible
7B	Starting/Engine does not start/Engine does not turn/No clicking sound at start attempt
AA	Starting/Engine does not start/Engine turns
BE	Starting/Engine does not start/Engine does not turn/Unsure when/at all times
BJ	Starting/Engine does not start/Unsure when/at all times
LM	12 V main battery/Dead battery
LN	12 V main battery/Weak or low electrical power
UH	Locking/unlocking/Central locking does not work
VZ	Locking/unlocking/Other central locking problems
67	Locks and alarm/Autonomous drive: Self closing doors do not work

**DTC Diagnostic Trouble Codes**

Control Module	Code	Fault Type
CEM	U300096	Intermittent

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## Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
536							2021-2023		-	202037-202241
539							2022-2023		-	202139-202241

## SERVICE:

If the software is older than V2.4, which was released 22w42, perform a software upgrade in accordance with TJ 31543.

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

To get a warranty claim accepted for a job described in this TJ, please use following VST OP number: 36004-2

## 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 3720.