

V O L V O

Volvo Car USA LLC

Technical Journal

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Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 3110	
Function Description Battery		Page Page 1 of 3	

Rows beginning with * are modified

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DESCRIPTION:

The DTC CEM-B18711B could be set in some conditions with a drained 12V battery and cause a critical charge error warning without a vehicle fault, follow advice under “Service”.

CEM=Central Electronic Module

SOC=State Of Charge

CSC Customer Symptom Codes

Code	Description
LM	12 V main battery/Dead battery
LN	12 V main battery/Weak or low electrical power

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
CEM	B18711B	Permanent

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	K7	BK7KERS					2023-2099		-	202222-209952
224	K8	BK8KERS					2023-2099		-	202222-209952
224	L1	BL1KERS					2023-2099		-	202222-209952
224	L1	BL1KERS					2023-2099		-	202222-209952
224	M1	BM1KERS					2025-2099		-	202417-209952
225	O6	B06KERS					2023-2099		-	202222-209952
225	K5	DK5KERS					2023-2024		-	202222-202406
225	K7	BK7KERS					2023-2099		-	202222-209952
225	K8	BK8KERS					2023-2099		-	202217-209952
225	L1	BL1KERS					2023-2099		-	202222-209952
227	K5	DK5KERS					2023-2024		-	202222-202406

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Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
227	L1	BL1KERS					2023-2099		-	202217-209952
234	06	B06KERS					2023-2026		-	202222-202540
234	L1	BL1KERS					2023-2026		-	202222-202540
235	06	B06KERS					2023-2026		-	202222-202540
235	K5	DK5KERS					2023-2024		-	202222-202406
235	L1	BL1KERS					2023-2026		-	202222-202540
236	06	B06KERS					2023-2026		-	202222-202540
236	K5	DK5KERS					2023-2024		-	202222-202406
236	L1	BL1KERS					2023-2026		-	202222-202540
238	06	B06KERS					2023-2025		-	202222-202517
238	L1	BL1KERS					2023-2099		-	202217-209952
238	M1	BM1KERS					2025-2099		-	202417-209952
246	06	B06KERS					2023-2099		-	202222-209952
246	L1	BL1KERS					2023-2025		-	202222-202517
246	M1	BM1KERS					2025-2099		-	202417-209952
256	06	B06KERS					2023-2099		-	202217-209952
256	L1	BL1KERS					2023-2025		-	202217-202517
256	M1	BM1KERS					2025-2099		-	202417-209952
536	K7	BK7KERS					2023-2099		-	202217-209952
536	K8	BK8KERS					2023-2099		-	202222-209952
536	L1	BL1KERS					2023-2099		-	202217-209952
536	L1	BL1KERS					2023-2099		-	202221-209952
536	L3	BL3KERS					2023-2099		-	202222-209952

SERVICE:

Do not replace the 12V battery.

The DTC is set due to wrong resistance calculation with a low 12V battery SOC.

*If DTC CEM-B18711B is set and the battery is drained. Start with a normal fault tracing to check for a cause of the drainage. Check if the battery terminals/connections are secured and clear the DTC. Perform the VIDA battery test, follow the instructions and charge the battery according to VIDA if necessary.

(Good to check vehicle usage with the customer, what is draining the battery)

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
36001-2	Diagnostic trouble codes read/reset
99921-2	General reimbursement acc. to TJ

VEHICLE REPORT:

Yes, please submit a Vehicle Report if the DTC is set again after being cleared and the battery is fully charged and the battery test is okay. Use concern area "Vehicle Report" and sub concern area "Support not needed", use function group 3110.