



<small>Technical Journal Title</small> High-Voltage Battery Module Temperature Sensor DTCs		<small>Ref. No.</small> TJ 36817.1.0	
<small>Issuer (Dept.)</small> Technical Service		<small>Issue Date</small> 12/15/23	<small>Status Date</small> 1/3/24
<small>Car Market</small> United States and Canada	<small>Partner</small> 3 US 7510 Volvo Car USA	<small>Function Group</small> 3113	
<small>Function Description</small> Battery, high voltage		<small>Page</small> Page 1 of 2	

**DESCRIPTION:**

If a customer experiences a propulsion warning message in the DIM (Driver Information Module), combined with one of the DTCs (Diagnostic Trouble Codes) listed below, please follow the advice under “Service.”

**CSC** Customer Symptom Codes

Code	Description
DL	Warning lights and chimes/Malfunction Indicator Light ("Check engine" light) indication/no indication

**DTC** Diagnostic Trouble Codes

Control Module	Code	Fault Type
BECM	P1A6164	Permanent
BECM	P1A6264	Permanent
BECM	P1A6364	Permanent
BECM	P1A6464	Permanent
BECM	P1A6564	Permanent
BECM	P1A6664	Permanent
BECM	P1A6764	Permanent
BECM	P1A6864	Permanent
BECM	P1A6964	Permanent
BECM	P1A6A64	Permanent
BECM	P1A6B64	Permanent
BECM	P1A6C64	Permanent
BECM	P1A6D64	Permanent
BECM	P1A6E64	Permanent
BECM	P1A6F64	Permanent
BECM	P1A7064	Permanent
BECM	P1A7164	Permanent
BECM	P1A7264	Permanent
BECM	P1A7364	Permanent
BECM	P1A7464	Permanent
BECM	P1A7564	Permanent
BECM	P1A7664	Permanent

Control Module	Code	Fault Type
BECM	P1A7764	Permanent
BECM	P1A7864	Permanent
BECM	P1A7964	Permanent
BECM	P1A7A64	Permanent
BECM	P1A6064	Permanent

**Vehicle Type**

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
536	ED	E400V6					2021-2023		-	202037-202316
536	EH	E400V8					2024-2024		-	202317-202326
536	ER	E400V12					2024-2024		-	202037-202316
539	ED	E400V6					2022-2023		-	202140-202316
539	EH	E400V8					2024-2024		-	202317-202326
539	ER	E400V12					2024-2024		-	202317-202326

**SERVICE:**

A new calibration for the BECM (Battery Energy Control Module) DTCs listed above has been introduced in software version 2.10.

If a module temperature sensor DTC is set with software version 2.9 or earlier, perform a total upgrade of the software according to TJ 31543 (The improved BECM software is included in the Total Upgrade SW 2.10 and later)

If a module temperature sensor DTC is set with software release 2.10 or later, continue the fault trace according to 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.

**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 Needed", use function group 3113.