



**Volvo Car USA LLC**

**Technical Journal**

Technical Journal Title		Ref. No.	
CMA BEV IHFA Internal Processor Failure		TJ 36309.4.1	
Issuer (Dept.)		Issue Date	Status Date
Technical Service		7/19/23	7/25/23
Car Market	Partner	Function Group	
United States and Canada	3 US 7510 Volvo Car USA	3233	
Function Description		Page	
Electric converter, high voltage		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:**

BEV = Battery Electric Vehicle

IHFA: Inverter High Voltage Front Axle

If the customer experiences a “Propulsion System Performance” message in the DIM in combination with Diagnostic Trouble Code IHFA P060C04 and/or IHFA P060C00 please follow the instructions under “Service.”

**CSC** Customer Symptom Codes

Code	Description
AJ	Driving/Poor performance/lacks power
DL	Warning lights and chimes/Malfunction Indicator Light ("Check engine" light) indication/no indication

**DTC** Diagnostic Trouble Codes

Control Module	Code	Fault Type
IHFA	P060C04	Permanent
IHFA	P060C00	Permanent

**Vehicle Type**

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
536	ED	E400V6					2021-9999		-	202037-999952
536	EG	E400V9					2022-9999		-	202122-999952
539	ED	E400V6					2022-9999		-	202146-999952
539	EG	E400V9					2022-9999		-	202146-999952

**SERVICE:**

**\* Note: If you are working with a repeat concern or a critical customer situation, please create a Support Needed Vehicle Report in TIE for additional instruction.**

NOTE: A warranty claim may be rejected if the procedure in this TJ is not followed.

In most cases, the IHFA does not need to be replaced and can be saved by following this TJ.

The IHFA DTCs P060C04 and/or P060C00 could be misdetected and cause reduced performance and/or a message in the DIM stating “Propulsion System Performance.”

If the vehicle does not have a propulsion warning message in the DIM, do not replace any parts. Clear the DTCs and release the vehicle to the customer.

If the vehicle has a propulsion warning message in the DIM, **clear the DTCs, let the vehicle go to usage mode “Abandoned,” and then perform a new VIDA readout of the vehicle.**

**If the DTC IHFA P060C04 and/or P060C00 do not return, do not replace any parts.** Release the car to the customer.

If the DTCs return, continue fault tracing according to VIDA.

A software fix is being developed to prevent misdetection of these DTCs.

**Warranty claim info:**

To get a warranty claim accepted for a job described in this TJ, please use the following data:

VST OP number: 36001-2

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 / known Diagnostic trouble codes with VIDA

**VEHICLE REPORT:**

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use the concern area “Vehicle Report” and the sub-concern area “Support Needed.” Use function group 3233.