

**Volvo Car USA LLC****Technical Journal**

Technical Journal Title		Ref. No.	
BEV IHFA Internal Processor Failure DTCs		TJ 36309.6.0	
Issuer (Dept.)		Issue Date	Status Date
Technical Service		12/13/23	12/20/23
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

DTC = Diagnostic Trouble Code

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					2021-2023		-	202037-202316
539	ED	E400V6					2022-2023		-	202139-202316

SERVICE:

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

*Improved IHFA (Inverter High Voltage Front Axle) software has been released in 2023 week 42 (software version 2.12), and an additional software improvement is planned for 2024, quarter 2.

Start by checking if the vehicle has the latest software, if not equipped with the latest software perform an upgrade according to TJ 35361.

*In most cases the IHFA does not need to be replaced and can be saved by following this Technical Journal.

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

- If the vehicle is drivable and does not have a turtle warning light on in the DIM: Do not replace any parts, clear the DTCs, and release the vehicle.
 - If the vehicle has a turtle warning light on in the DIM: Clear the DTCs, let the vehicle go to driving mode abandoned, and perform a second readout of the vehicle.
1. If the DTC IHFA P060C04 and/or P060C00 don't return, do not replace any parts, and release the vehicle.
 2. If the DTC returns please contact Retailer Technical Support, see the text under “Vehicle Report” for instructions.

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
36001-2	Diagnostic trouble codes read/reset/known Diagnostic codes with VIDA

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 3233.