



**Volvo Car USA LLC**

**Technical Journal**

Technical Journal Title		Ref. No.	
PHEV Intermittent Start of the Combustion Engine in Hybrid or Pure Mode		TJ 36415.8.0	
Issuer (Dept.)		Issue Date	Status Date
Technical Service		06/20/23	06/22/23
Car Market	Partner	Function Group	
United States and Canada	3 US 7510 Volvo Car USA	4632	
Function Description		Page	
Electrical rear axis drive		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:**

If the vehicle intermittently starts the combustion engine in Hybrid or Pure mode during parking maneuvers and sets the DTC stated below, please follow the advice under “Service.”

**CSC** Customer Symptom Codes

Code	Description
YS	Drive mode "HYBRID"/Combustion engine active/Always/too often
YO	Drive mode "PURE"/Disengages automatically/Not available
53	Driving, Twin Engine/Propulsion using electric motor not possible
55	Driving, Twin Engine/Propulsion using combustion engine/Always active/Active too often

**DTC** Diagnostic Trouble Codes

ECU	DTC	Fault Type
IEM	P287100	Intermittent
IEM	P287100	Permanent

**Vehicle Type**

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	BK	B1LPHEV					2020-2022		-	201920-202146
224	BR	B1FPHEV					2019-2022		-	201850-202146
225	BK	B1LPHEV					2020-2022		-	201920-202146
225	BR	B1FPHEV					2020-2022		-	201850-202146
235	BR	B1FPHEV					2019-2022		-	201817-202146
238	BC	B1BPHEV					2018-2018		-	201718-201744
238	BK	B1LPHEV					2020-2022		-	201920-202146
238	BR	B1FPHEV					2018-2022		-	201746-202146
246	BK	B1LPHEV					2020-2022		-	201920-202146
246	BR	B1FPHEV					2018-2022		-	201717-202146
256	BC	B1BPHEV					2016-2017		-	201508-201716
256	BK	B1LPHEV					2020-2022		-	201920-202146
256	BR	B1FPHEV					2018-2022		-	201717-202146

**SERVICE:**

\* Improved IEM (Inverter Electrical Rear Axle Drive Module) software is available as of 2023 week 25 (software version 2.10 for iCup cars) for all Model Years that will reduce combustion engine starts during parking maneuvers.

Please perform an upgrade of the software according to TJ 31543.

**Warranty claim info:**

To get warranty claim accepted for a job described in this TJ, please use following data:  
VST OP number: 36001-2, 96158-3

**NOTE:** 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 4632.