

Technical Journal

TITLE:

PHEV Intermittent Start of the Combustion Engine in Hybrid or Pure Mode

REF NO: TJ 36415.2.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2023-01-31	STATUS DATE: 2023-02-02
FUNC GROUP: 4632	FUNC DESC: Electrical rear axis drive	Page 1 of 2	

“Right first time in Time”

Rows beginning with * are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

DESCRIPTION:

*Updated under Service. An additional market was added, and updated CSC.

If the vehicle intermittently starts the combustion engine in Hybrid or Pure mode during parking maneuvers, and sometimes 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

Control Module	Code	Fault Type
IEM	P287100	Intermittent
IEM	P287100	Permanent

Technical Journal 36415.2.0

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	BK	B1LPHEV					2020-2022		-	201920-202148
224	BR	B1FPHEV					2019-2022		-	201850-202148
225	BK	B1LPHEV					2020-2022		-	201920-202148
225	BR	B1FPHEV					2020-2022		-	201850-202148
235	BR	B1FPHEV					2019-2022		-	201817-202148
238	BK	B1LPHEV					2020-2022		-	201920-202148
238	BR	B1FPHEV					2018-2022		-	201746-202148
246	BK	B1LPHEV					2020-2022		-	201920-202148
246	BR	B1FPHEV					2018-2022		-	201717-202148
256	BK	B1LPHEV					2020-2022		-	201920-202148
256	BR	B1FPHEV					2018-2022		-	201717-202148

SERVICE:

Do not replace any parts and do not fault trace due to this behavior.

*There will be a new IEM (Inverter Electrical Rear Axle Drive Module) software released during 2023 quarter 2.

The software will reduce combustion engine starts during parking maneuvers.

Warranty claim info:

No warranty claim accepted for a job described in this TJ.

TJ is to be used only as information.

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.