

Volvo Car USA LLC**Technical Journal**

Technical Journal Title Check Engine Light and DTC ECM-P04F000		Ref. No. TJ 37236.4.0	
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Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 2340	
Function Description Fuel tank, fuel lines, evaporator system		Page Page 1 of 4	

Attachment

File Name	File Size
TJ_37236.jpg	0.0733 MB

Rows beginning with * are modified

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

DESCRIPTION:

*Vehicle type and structure week updated

* Additional information under Service

If the CEL is lit and DTC ECM-P04F000 is set with no other symptoms, follow advice under "Service".

CEL - Check Engine Light

ECM - Engine Control Module

PDS - Pre-Delivery Service

LDP - Leakage Detection Pump

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
ECM	P04F000	Permanent

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Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	H6	BH6PHEV					2022-2025		-	202222-202425
224	L1	BL1KERS					2022-2025		-	202122-202425
225	H6	BH6PHEV					2022-2025		-	202122-202426
227	L1	BL1KERS					2023-2025		-	202222-202508
238	O6	B06KERS					2022-2024		-	202122-202416
238	H6	BH6PHEV					2022-2024		-	202122-202416
246	H6	BH6PHEV					2022-2025		-	202122-202511
246	L1	BL1KERS					2022-2025		-	202122-202504
256	H6	BH6PHEV					2023-2025		-	202222-202508
256	L1	BL1KERS					2023-2025		-	202222-202444
536	K9	BK9KERS					2023-2023		-	202222-202321
536	L1	BL1KERS					2023-2024		-	202222-202416

SERVICE:

Please refer to the following before performing CSC-based fault tracing:

A solution is released in the latest ECM software. Perform a *Total Upgrade* according to TJ 31543 and release the car back to the customer.

- For MY23-24 vehicles, the software was released in version 3.3.16. The same software for MY22 vehicles was released in version 3.4.4.
- For MY25 vehicles with structure week between 24w17 to 24w46 the software solution is released in version 3.5.14.
- MY25 cars built after structure week 24w46 will have the software installed at PDS.

* If the software is the latest per the above guidance, proceed with routine CSC fault tracing of the EVAP system.

* NOTE: A missing or damaged LDP air filter can also cause an erroneous leak detection. Perform a visual inspection of the LDP as part of fault tracing (see attachment *TJ_37236.jpg*).

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
36001-2	Diagnostic trouble codes read/reset
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 (e.g. vehicle has latest software version and still sets the DTC). Use concern area "Vehicle Report" and sub concern area "Support needed", use function group 2340.

To view TJ attachment continue to next page. This TJ has one attachment.

