

V O L V O

Volvo Car USA LLC

Technical Journal

Technical Journal Title Check engine light and DTC - ECM P013926		Ref. No. TJ 37166.3.0	
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Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 2544	
Function Description Lambda sond system		Page Page 1 of 3	

Rows beginning with * are modified

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

Attachment

File Name	File Size
TJ_37166_1.pdf	0.1444 MB

DESCRIPTION:

*VST Operation No. updated.

If the DTC below is set and Check Engine Light is on, please follow advice under service.

DTC: Diagnostic Trouble Code.

ECM: Engine Control Module.

VST - Volvo Standard Time

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	P013926	Permanent

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	L1	BL1KERS					2024-9999		-	202317-999952
227	L1	BL1KERS					2024-9999		-	202317-999952
246	L1	BL1KERS					2024-9999		-	202317-999952
256	L1	BL1KERS					2024-9999		-	202317-999952
536	K9	BK9KERS					2023-9999		-	202317-999952
536	L1	BL1KERS					2024-9999		-	202317-999952

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SERVICE:

Do not replace any parts. The hardware is usually not at fault.

First perform an adaptation test drive as follows:

1. Erase the DTC and reset the adaptations for the lambda sensor, according to attachment TJ_37166_1.pdf.
2. Check if the vehicle software is the latest version. If not, please perform a Total Upgrade of the software according to TJ 31543.
3. Perform a test drive with the engine at varying loads for approximately 30 minutes in at speeds ranging between 50-100 km/h (30-60 mph).
4. Perform a new VIDA readout and check if DTC has returned.

If the DTC doesn't re-occur, the car can be released to the customer

If the DTC re-occurs, pressure test the fresh air side and the exhaust system for air leaks and repair as needed according to VIDA instructions.

If the above measures have no effect, please see instructions under Vehicle Report below.

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
36100-2	Test drive according to Technical Journal 4JV
36001-2	Diagnostic trouble codes read / reset
36002-3	Software control module downloading
25233-2	Air leak inlet system check

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 2544.

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

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The screenshot displays the Volvo VIDA (Vehicle Information Diagnostic Application) software interface. The top navigation bar includes 'Home', 'XC60 (18-)', and 'N204TSM, 7D-8190'. Below this, the 'Planning & Diagnostics' tab is active. The main workspace shows a vehicle overview with VIN: YV1UZH5UDN1004045 and Model/Year/Chassis: XC60 (18-), 2022, 004045. A sidebar on the left contains a 'Diagnostics' section with a red circle '2' next to it. The central pane, labeled 'Sensors & Actuators' with a red circle '3', lists various ECUs. The 'Engine Control Module (ECM)' is selected, indicated by a red circle '4'. On the right, the 'Diagnostic Sequences' panel (marked with a red circle '5') lists several reset procedures. The sequence 'Resetting of adaptation values for the lambda probe, rear' is highlighted with a red rectangular box.