

VOLVO

Volvo Car USA LLC

Technical Journal

Technical Journal Title Check engine light and DTC - ECM P014526		Ref. No. TJ 37181.1.1	
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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	

Attachment

File Name	File Size
TJ_37181_1.pdf	0.1444 MB

Rows beginning with * are modified

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

DESCRIPTION:

* New info under Warranty Claim Info

* Labor Op Corrected

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

DTC: Diagnostic Trouble Code

ECM: Engine Control Module

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	P014526	Permanent

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	H6	BH6PHEV					2024-9999		-	202317-999952
225	H6	BH6PHEV					2024-9999		-	202317-999952
236	06	B06KERS					2024-9999		-	202317-999952
238	06	B06KERS					2024-9999		-	202317-999952
238	H6	BH6PHEV					2024-9999		-	202317-999952
246	06	B06KERS					2024-9999		-	202317-999952
246	H6	BH6PHEV					2024-9999		-	202317-999952

Technical Journal 37181.1.1

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
256	O6	B06KERS					2024-9999		-	202317-999952
256	H6	BH6PHEV					2024-9999		-	202317-999952

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_37181_1.pdf.
2. Check if the vehicle software is the latest version. If not, please perform a Total Upgrade of the vehicle software according to TJ 31543.
- *3. Perform a test drive with the engine at varying loads for approximately 20-30 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.

NOTE: Operation 36001-2 should only be claimed if the vehicle did not require a software upgrade per the above instructions. It can NOT be claimed in conjunction with 36004-2

VST Operation Number

VST Operation Number	Description
36100-2	Test drive according to Technical Journal 4JV
36004-2	Software control module downloading
36001-2	Diagnostic trouble codes read/ reset

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 attachments continue to next page. This TJ has one attachment.

TJ 37166

The screenshot displays the Volvo VIDA (Vehicle Information Diagnostic Application) interface. At the top, the 'Home' button is next to the vehicle identification number 'XC60 (18-) 4304716, FG-4180'. Below this, the 'Planning & Diagnostics' tab is active. The left sidebar shows a 'Lists' menu with 'Diagnostics' selected. The main area is divided into two panels. The left panel, titled 'Sensors & Actuators', shows a list of components with the 'Engine Control Module (ECM)' selected. The right panel, titled 'Diagnostic Sequences', shows a list of diagnostic tasks, with 'Resetting of adaptation values for the lambda probe, middle' highlighted by a red box. Red circles 1 through 5 are placed on the interface: 1 on the 'Home' button, 2 on the 'Diagnostics' menu item, 3 on the 'Sensors & Actuators' tab, 4 on the 'Engine Control Module (ECM)' row, and 5 on the 'Readout' button in the top right corner of the diagnostic sequences panel.