

V O L V O

Volvo Car USA LLC

Technical Journal

Technical Journal Title Check engine light and DTC - ECM P04D900		Ref. No. TJ 37194.1.0	
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Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 2547	
Function Description Exhaust return pipe		Page Page 1 of 2	

DESCRIPTION:

If there is a "Check Engine Light" in DIM and the listed DTC below are set, please follow advice under "Service".

DIM: Driver Information Module

DTC: Diagnostic Trouble Code

EGR: Exhaust Gas Recirculation

CSC Customer Symptom Codes

Code	Description
DL	Warning lights and chimes/Malfunction Indicator Light ("Check engine" light) indication/no indication
ZE	Idling/Unusual noise

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
ECM	P04D900	Permanent
ECM	P04D900	Intermittent

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
236	06	B06KERS					2022-9999		-	202022-999952
238	06	B06KERS					2022-9999		-	202046-999952
246	06	B06KERS					2022-9999		-	202022-999952
256	06	B06KERS					2023-9999		-	202022-999952

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SERVICE:

Clear the DTC and check if the vehicle software is the latest version. If not, please perform a Total Upgrade of the software according to TJ 31543.

Perform the following to prompt EGR to activate:

Note: Conduct steps 1-3 in a safe open area or empty side road:

1. Start in 3rd gear (M3)
2. Accelerate at full load for 10-15 seconds with the gear locked in 3rd.
3. Repeat this process 5 times.
4. Perform a test drive with the combustion engine at varying loads for approximately 30 minutes in a speed range between 50-100 km/h (30-60 mph).
5. Perform a new VIDA readout, check if DTC re-occurs.

If the DTC doesn't re-occur, release the car to the customer.

If the DTC returns, continue with VIDA fault tracing.

Inform the customer that the DTC can be set as a result of driving for long periods at low engine load.

Work is ongoing to prevent the DTC.

If the above measures have not been effective and/or the vehicle has been in multiple times for this issue, see information under Vehicle Report.

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
36100-2	Test drive according to Technical Journal 4JV
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 2547.