

V O L V O

Volvo Car USA LLC

Technical Journal

Technical Journal Title Check engine light and DTC - ECM P061C48		Ref. No. TJ 36920.6.0	
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Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 2154	
Function Description Camshaft		Page Page 1 of 4	

Attachment

File Name	File Size
TJ_36920_1.png	0.0899 MB

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 DTC

*Updated under Service

*Attachments added

If the customer experiences a "Check engine light"/message in the DIM and listed DTC is set, please follow advice under "service".

DIM: Driver Information Module

DTC: Diagnostic Trouble Code

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	P061C48	Permanent

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Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	L1	BL1KERS					2022-2025		-	202122-202425
227	L1	BL1KERS					2023-9999		-	202222-999952
236	06	B06KERS					2022-9999		-	202122-999952
238	06	B06KERS					2022-9999		-	202111-999952
246	06	B06KERS					2022-9999		-	202122-999952
246	L1	BL1KERS					2022-9999		-	202122-999952
246	M1	BM1KERS					2025-9999		-	202417-999952
256	06	B06KERS					2023-9999		-	202222-999952
256	L1	BL1KERS					2023-9999		-	202222-999952
256	M1	BM1KERS					2025-9999		-	202417-999952
536	K9	BK9KERS					2023-2023		-	202222-202321
536	L1	BL1KERS					2023-9999		-	202222-999952

SERVICE:

Do not replace any parts before steps 1-7 have been performed:

1. Clear the DTC.
2. Rev the engine at a standstill to 1500-2200 RPM, keep RPM for 10 seconds.
3. Release pedal to idle, wait 3 seconds.
4. Repeat step 2-3 10 times.
5. Check if DTC re-occurs.
6. If not, take a short test drive and repeat step 2-5, after the test drive.
7. If the DTC doesn't re-occur, release the car to customer.

If a DTC occurs before the entire cycle 1-7 is completed, there is no need to go through the entire cycle again.

NOTE: The method above is not a repair method, it is a triggering attempt for the DTC.

If the DTC does re-occur follow instructions below:

1. Change the intake camshaft according to VIDA instructions
- *2. If part replacement is necessary, follow the updated method in *VIDA >> Information >> Bulletins >> Product Fix/Special Tool Bulletins >> 21 Engine >> 215 Transmission >> Camshaft bushing*
 - *The camshaft should only be replaced if the sleeve is axially locked. Compare with the attached files, **OK:** *TJ_36920_1.MOV* and **NOK:** *TJ_36920_2.MOV*
 - Wear on the outside of the camshaft is not a reason to replace the part. Compare with the attached file *TJ_36920_1.PNG* for OK reference.

- If a vehicle comes in for a repeat repair with the same DTC, and the intake camshaft has NOT been replaced previously, then replace the intake camshaft.
- If a vehicle built between structure week 2022w01 and 2022w34 comes in with the same DTC and the camshaft is not locked, replace the intake camshaft.
- If the VVT pulley seems loose or has free play, it is NOT a reason to replace the part. Compare with the attached file TJ_36920_3.mp4 for OK reference.

NOTE: only hand tools should be used according to VIDA methods, otherwise parts can be damaged.

An anodized camshaft sleeve is to be introduced at the engine plant during week 2025Q2.

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: Your warranty claim will be rejected if the procedure in this TJ is not followed. This will be followed using warranty claim control.

VST Operation Number

VST Operation Number	Description
98783-2	Camshaft sleeve acc.to TJ.
36001-2	Diagnostic trouble codes read / reset / known Diagnostic trouble codes with VIDA
99922-2	General Reimbursement acc to TJ

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 2154.

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

