

V O L V O

Volvo Car USA LLC

Technical Journal

Technical Journal Title CEL with DTC ECM P001100, P001200, P001400, P001500		Ref. No. TJ 37148.5.0	
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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_37148_1.pdf	0.0566 MB
TJ_37148_3.mp4	3.6388 MB

Rows beginning with * are modified

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

DESCRIPTION:

If the Check Engine Light is on and one or more of the DTCs below are set, please follow the advice under "Service".

DIM: Driver Information Module.

DTC: Diagnostic Trouble Code.

CEL: Check Engine Light.

ECM: Engine Control Module.

WPPM: Warranty Policy & Procedures Manual

*OBD2 markets: USA, Canada, China, Korea

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	P001100	Permanent
ECM	P001200	Permanent
ECM	P001400	Permanent
ECM	P001500	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					2021-2026		-	202022-202517
227	L1	BL1KERS					2021-2026		-	202022-202517
236	06	B06KERS					2021-2026		-	202022-202517
236	L5	BL5KERS					2022-2026		-	202122-202517
238	06	B06KERS					2022-2026		-	202111-202517
246	06	B06KERS					2020-2026		-	202005-202517
246	L1	BL1KERS					2020-2026		-	201946-202517
246	M1	BM1KERS					2025-2026		-	202417-202517
256	06	B06KERS					2020-2026		-	202005-202517
256	M1	BM1KERS					2025-2026		-	202417-202517
536	K9	BK9KERS					2021-2026		-	202020-202517
536	L1	BL1KERS					2021-2026		-	202020-202517

SERVICE:

Improved software for the L1 engine variant is released with version 3.5.14. Perform a software upgrade according to TJ 31543 before fault tracing further.

The camshaft should only be replaced if the sleeve is axially locked. Compare with the attached file, OK: TJ_36920_1.MOV, 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.

If VVT pulley seems to be loose or has free play, this is not a reason to replace the part. Compare with the attached file TJ_36920_3.mp4.

If VIDA symptom-based fault tracing leads to the replacement of parts, follow the updated method in Vida/ Information/ Product Fix Bulletins/ 21 Engine/ 215 Transmission/ Camshaft bushing

Note: Only hand tools should be used according to VIDA method, otherwise parts can be damaged.

VST Operation Number

VST Operation Number	Description
36001-2	Diagnostic trouble codes read/ reset
36002-3	Software control module downloading
98783-2	Camshaft sleeve acc.to TJ.

VEHICLE REPORT:

Yes, please submit a Vehicle Report according to the info under service. 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 and one video file.

