

# 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	
Issuer (Dept.) Technical Service		Issue Date 5/9/25	Status Date 5/16/25
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
<a href="#">TJ_37148_3.mp4</a>	<a href="#">3.6388 MB</a>

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.**

