

V O L V O

Volvo Car USA LLC

Technical Journal

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Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA		Function Group 4300
Function Description Gearbox		Page Page 1 of 2	

Rows beginning with * are modified

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

DESCRIPTION:

*Updated vehicle types and information under service.

If the TCM DTC listed below is set, follow the advise under “Service”.

TCM - Transmission Control Module

DTC - Diagnostic Trouble Code

CSC Customer Symptom Codes

Code	Description
7Z	Automatic transmission/Shifts occur too early, too late, too often/Unsure when/at all times
3L	Technician information/Repair information/Not for warranty use

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
TCM	P277C07	Permanent

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224	L1	BL1KERS					2024-2024		-	202317-202416
227	L1	BL1KERS					2024-2024		-	202317-202416
238	L1	BL1KERS					2024-2026		-	202317-202609
246	L1	BL1KERS					2024-2024		-	202317-202416
246	M1	BM1KERS					2025-2026		-	202417-202611
256	L1	BL1KERS					2024-2024		-	202317-202416
256	M1	BM1KERS					2025-2026		-	202417-202611
536	K9	BK9KERS					2026-2026		-	202517-202606
536	L1	BL1KERS					2026-2026		-	202517-202614

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SERVICE:

*A new transmission hardware solution has been introduced starting from transmission serial number 25M8L30144, which serves as a defined break point for updated production.

*If the DTC is confirmed and the transmission serial number is **after** the break point:

- **Do NOT replace** the transmission
- Create a technical report with sub concern area "Support needed" for further guidance on next steps. Await further instructions from engineering before performing any corrective repair.

*If the DTC is confirmed, a warning message is visible, the start/stop function is not operational and the transmission serial number is **before** the break point:

- **Replace** the transmission
- Create a technical report with sub concern area "Support not needed" for documentation and case records purposes.

*Proper reporting is required in both scenarios for traceability and engineering follow-up. Transmission serial number must be checked and confirmed accurately. Always verify DTC presence and vehicle symptoms prior to action.

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.

Please note that fault tracing is not eligible for separate reimbursement under this TJ. Any fault tracing VST operation numbers will be rejected. Note that the TJ number must be stated in the repair order text.

VST Operation Number

VST Operation Number	Description
98817-2	DTC readout/reset incl. VIDA connection 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 4300.