

V O L V O

Volvo Car USA LLC

Technical Journal

Technical Journal Title DIM message and DTC VCU1 U016800		Ref. No. TJ 36318.6.0	
Issuer (Dept.) Technical Service		Issue Date 10/24/24	Status Date 11/21/24
Car Market United States and Canada	Partner 3 US 7510 Volvo Car USA	Function Group 3872	
Function Description Collision avoidance		Page Page 1 of 4	

Attachment

File Name	File Size
TJ_36318.jpg	0.1230 MB

Rows beginning with * are modified

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

DESCRIPTION:

*Title updated.

If you have a DIM message "Collision Avoidance system not available" together with DTC's: VCU1 U016800 and CEM U110082.

Please follow instructions under "Service".

CSC Customer Symptom Codes

Code	Description
1R	Front monitoring/Active safety/Lane Departure Warning does not work
1X	Front monitoring/Active safety/Adaptive cruise control does not work
IV	Text window and warning symbol/Text message
1T	Warning lights and chimes/Front monitoring/Active safety indication/no indication

DTC Diagnostic Trouble Codes

Control Module	Code	Fault Type
VCU1	U016800	Intermittent
VCU1	U016800	Permanent
CEM	U110082	Intermittent
CEM	U110082	Permanent

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Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224							2023-9999		-	202222-999952
225							2023-9999		-	202222-999952
227							2023-9999		-	202222-999952
234							2022-9999		-	202122-999952
235							2022-9999		-	202122-999952
236							2022-9999		-	202122-999952
238							2022-9999		-	202122-999952
246							2022-9999		-	202122-999952
256							2023-9999		-	202222-999952
536							2021-9999		-	202037-999952
539							2022-9999		-	202139-999952

SERVICE:

Connect VIDA to read-out the car, if you find the ASDM “not responding” together with both DTC's VCU1 U016800 and CEM U110082:

1. Go to “Software Installation” -> “Advanced test” (see attachment)
2. Remove fuse(s) from ASDM module.
3. Click on “Enable Programming Mode”
4. Insert ASDM fuse(s) again
5. Try to read out hardware number and serial number of the ASDM module.
- 6a. If Hardware and Serial number can successfully be read: Close the window by clicking on the cross so that the programming mode remains on
- 7a. Reload ASDM module with VIDA
- 6b. If Hardware number and Serial number were not read -> repeat steps 2 to 5

Note: Please try at least 8 times.

Only in case if it is not possible to recover the ASDM you may replace the ASDM.

*Please ensure the ASDM has the latest software.

ASDM = Active Safety Domain Master

*VCU1 = Vehicle Computational unit 1

*CEM = Central Electronic Module

Warranty claim info:

To get warranty claim accepted for a job described in this TJ, please use following data:

In case you were able to recover the ASDM

ONLY use VST OP number: 99928-2

Note: TJ number must be stated in repair order text!

In case the ASDM needed to be replaced:

* Use VST OP number: 99928-2 and 37225-2

Note: TJ number must be stated in repair order text!

VST Operation Number

VST Operation Number	Description
37225-2	Active Safety Domain Master (ASDM) replace (incl. calibration)
99928-2	General reimbursement 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 Not needed", use function group 3872.

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

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