

Technical Journal

TITLE:

DIM message and DTC VCU1 U016800

REF NO: TJ 36318.5.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2022-10-29	STATUS DATE: 2023-01-06
FUNC GROUP: 3872	FUNC DESC: Collision avoidance	Page 1 of 4	

“Right first time in Time”

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:

*** updated Vehicle Type overview**

DIM = Driver Information Module

VCU = Vehicle Computational Unit

CEM = Central Electronics Module

If you have a DIM message 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

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DTC Diagnostic Trouble Codes

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

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
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:

ASDM = Active Safety Domain Master

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 power fuse(s) to the 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 the ASDM module with VIDA

- 6b) If the ASDM Hardware number and Serial number were not read -> repeat steps 2 to 5
- Note: Please try at least 8 times

If the steps above were unsuccessful in recovering the ASDM, you may replace the ASDM.

Analysis is ongoing how to prevent these DTC’s from being incorrectly triggered.

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:

ONLY use VST OP number: 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 Needed”, use function group 3872.

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

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HomeXC60 (18-), 2022, I4204156, TG-81SD

Planning & DiagnosticsSoftware InstallationInformationService Journals

VIN:
Model/Year/Chassis: XC60 (18-), 2022, 019084

Customer Name:

Connection: Virtual #1
- / 81%
Active

List 22

Software Installation

Available InstallationsOrder HistoryOrder for Independent Dealer

Work ListUpgradesHardware ChangesFunction ChangesAll

Description

Part Number

Size (kB)

No software information found.

Advanced Test

Control unit connection

Existing ECUsAll ECUs

Name

Mode

ASDM
AUD
BCM2
BECM
BMS
CCM
CEM
CSD
DDM
ECM
ECSM
ESM
FLC2
FLR
HCML
HCMR
IEM
IGM
IHU
...

Click on the "Enable Programming Mode" to test communication with control units.

Enable Programming Mode

Reset

Hardware No.:

Serial No.:

VIN Reading

Read VIN

PIE Connection

Test PIE Connection

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