



Technical Journal

TITLE:
ASDM Fault tracing

REF NO: TJ 31514.2.0	ISSUING DEPARTMENT: Technical Service	CAR MARKET: United States and Canada	
PARTNER: 3 US 7510 Volvo Car USA		ISSUE DATE: 2019-01-02	STATUS DATE: 2019-01-23
FUNC GROUP: 3872	FUNC DESC: Collision avoidance	Page 1 of 4	

“Right first time in Time”

Attachment

File Name	File Size
TJ31514.jpg	0.1680 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
224							2019-9999		0000001-0999999	201835-999952
225							2019-9999		0000001-0999999	201817-999952
227							2019-9999		0000001-0999999	201846-999952
234							2017-9999		0000001-0999999	201617-999952
235							2017-9999		0000001-0999999	201624-999952
236							2017-9999		0000001-0999999	201646-999952
238							2018-9999		0000001-0999999	201646-999952
246							2018-9999		0000001-0999999	201717-999952
256							2016-9999		0000001-0999999	201505-999952
536							2019-9999		0000001-0999999	201746-999952



CSC Customer Symptom Codes

Code	Description
AQ	Cruise control/Does not engage
1R	Front monitoring/Active safety/Lane Departure Warning does not work
1S	Front monitoring/Active safety/Driver Alert Control does not work
1X	Front monitoring/Active safety/Adaptive cruise control does not work
YA	Lane Keeping Aid (LKA)/Does not work
64	Pilot assist/Does not work
YB	Road Sign Information (RSI)/Does not work
IV	Text window and warning symbol/Text message

VST Operation Number

DTC Diagnostic Trouble Codes

Rows beginning with * are modified

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

Text

DESCRIPTION:

ASDM = Active Safety Domain Master

DIM = Driver Information Module

To prevent unnecessary replacements of ASDM and as a troubleshooting aid for the Intellisafe system, please follow the advice under Service before replacing an ASDM.

SERVICE:

1. DTCs related to lost/interrupted/corrupt communication with other nodes do not require ASDM replacement (see TJ31514.jpg). Fault trace according to VIDA.
2. Customer complaints related to functions with no DTCs rarely require ASDM replacement. Fault trace according to VIDA.
3. DTC U300087 – Internal communication fault, follow TJ 30836 and TJ 31543.
4. If any of the following ASDM DTCs are set and confirmed in VIDA, follow VIDA instructions.
 - C1A6796 –Internal radar.
 - C100193 – Internal camera.
 - U300044, 45, 46, 47, 49 – Internal fault.
5. DIM message – “Windscreen sensors blocked – see manual”.
 - Make sure that the windscreen is clean in the ASDM area.
 - C1A6797 – Radar blocked, follow TJ 31347.
 - C100197 – Camera blocked, follow VIDA instructions.



6. ASDM cooling fan:
 - DTC's related to the ASDM fan (see TJ31514.jpg) shall never lead to replacement of ASDM.
 - ASDM DTC C100C15/C100C11 shall be fault traced according to VIDA, other fan related DTC's (see TJ31514.jpg) can be disregarded.
7. If the customer complains about Intellisafe functions.
 - Ensure the vehicle has the latest software.
 - Ensure the ASDM adjustment is correct.
 - Perform an ASDM calibration.

* Note: If software upgrade is needed, please follow TJ 31543
8. When performing an ASDM calibration:
 - It is important to meet all the conditions described in VIDA.
 - It may occasionally take more than one attempt to perform a successful calibration.

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



FAULT IDENTIFICATION	
DTC	Description
U010000	Lost Communication
U012600	Lost Communication
U013100	Lost Communication
U014000	Lost Communication
U015100	Lost Communication
U015500	Lost Communication
U023200	Lost Communication
U023300	Lost Communication
U101000	Lost Communication
U101300	Lost Communication
U101400	Lost Communication
U101500	Lost Communication
U110E00	Interrupted
U111600	Interrupted
U111700	Interrupted
U111900	Interrupted
U111A00	Interrupted
U112500	Interrupted
U2C4481	Invalid Data Received
U2C4581	Invalid Data Received
U2C4681	Invalid Data Received
U2C4781	Invalid Data Received
U2C4981	Invalid Data Received
U2C4A81	Invalid Data Received
U2C4B81	Invalid Data Received
U2C4C81	Invalid Data Received
U2C4D81	Invalid Data Received
U2C4E81	Invalid Data Received
U2C5081	Invalid Data Received

FAULT IDENTIFICATION	
DTC	Description
U2C5181	Invalid Data Received
U2C5281	Invalid Data Received
U2C5581	Invalid Data Received
U2C5681	Invalid Data Received
U2C5881	Invalid Data Received
U2C6092	Invalid Data Received
U2C6192	Invalid Data Received
U2C6292	Invalid Data Received
U2C6792	Invalid Data Received
U2C6892	Invalid Data Received
U2C6992	Invalid Data Received
U2C6C92	Invalid Data Received
U2C6D92	Invalid Data Received
U2C6E92	Invalid Data Received
U2C7092	Invalid Data Received
U2C7192	Invalid Data Received
U2C7292	Invalid Data Received
U2C7392	Invalid Data Received
U2C8292	Invalid Data Received
U2C8C92	Invalid Data Received
U2C8D92	Invalid Data Received
U2D4483	Corrupted Data
U2D5783	Corrupted Data
U2D5C83	Corrupted Data
C100C71	Fan Module Mechanical Failures Actuator stuck

TJ 31514