Volvo Chassis - Front Radar Supply Chain Constraints

During the period of potential part shortage, the forward looking radar may need to be temporarily removed to keep the vehicle in operation until a replacement part is available.

For more information and instructions for performing the temporary repair, Technical Service Bulletin V-366-005A Forward Looking Radar Shortage has been released.

Technical Service Bulletin V-366-005A can be found in Impact under the service tab.

1. Navigate to the Service tab.

2. In the Info Type box, make sure Technical Service Bulletins is selected.

3. In the Additional search values box select Keyword

4. Enter 366-00A into the text entry box, press the Search button.

5. A link for the article will be shown in the results. Click on the title, then choose one of the options from the window that opens.

Tags

volvo active driver assist vada

forward looking radar fsb 366-005 front radar

sa 36 dtc u103fo7 spn 639 fmi 2

mid 216 psid 211 fmi 9 volvo mid 140 psid 211 fmi 9

Live UI

Related links and attachments

TSB 366-005A

sbn21-065

Feedback

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to help improve the content of this article

Live UI

Forward Looking Radar Shortage

V-366-005A

(October 2021)

Valid for

All Volvo Trucks with forward facing radars.

Case description

Availability of the front radar components of our VADA driver assist system is currently affected by a semiconductor shortage. Some Volvo trucks in need of a replacement front radar will be unable to source a new unit. While VADA is an effective system that helps drivers reduce the risk of collision, trucks can be legally and safely operated without this feature. If you cannot obtain the radar needed to repair a truck follow the steps in this document to properly plug the wiring harness, install warning labels on the vehicle, and provide the driver/ owner of the vehicle with expected functionality.

Required Parts

Part number	Part Description	Quantity
24202558	Connector/Cap	1
22036053	Plugs	10
24198335	VADA English label	1 or both, as needed
24198356	VADA French label	

Procedure

1. Refer to IMPACT document ID, 3665-03-02-06, for removal of front radar.
2. Configure wire harness connector/cap (P/N 24202558) by:
   A. Insert 10 wire plugs (P/N 22036053) into the back of the connector housing.





B. Looking into the face of the connector, slide the yellow key to the far left configuration as seen below.

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3. Use the recently configured connector/cap plug the chassis side wiring harness.

   Note: It is important to properly cap off/seal the wiring harness connector to prevent corrosion damage to the electrical pins and wiring harness on the chassis.

4. Secure wiring harness and connector to prevent damage.
5. Place Label (P/N 24198335 / 24198356) in the upper left corner of the windshield.
6. Print Driver Instructions for Vehicle Operation without VADA Front Radar Sensor, found on the following page, and place it in the driver's packet.
7. Release vehicle to service.

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DRIVER INSTRUCTIONS FOR VEHICLE OPERATION WITHOUT VOLVO ACTIVE DRIVER ASSIST (VADA) FRONT RADAR

Features that are available	Features that are *not* available
Standard vehicle cruise control	Forward collision warning and collision mitigation
Lane departure warning	Adaptive Cruise Control; including active braking
Vehicle data loggers with a web portal	Traffic sign recognition
Right-hand blind spot detection	

Trucks without the front radar are legal and safe to operate

The below pop-up messages will appear when ignition is turned on. Press "ok" on toggle switch in steering wheel to acknowledge pop-ups





Yellow check light and Adaptive Cruise Control (ACC) icon with a red diagonal line will remain on







The diagnostics menu in the truck will show 4 active fault codes. If the vehicle has any faults in addition to the 4 active fault codes listed below, please contact Volvo Action Service or your local dealer for service.

VECU	SA 36 DTC U103F87 or MID 144 PSID 211 FMI 9
IC	MID 140 PSID 211 FMI 9
ABS	SA11 SPN 639 FMI 2
LCM	MID 216 PSID 211 FMI 9

Please refer to driver instruction video for more details

Warranty information

Reimbursement

This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.	UCHP Reimbursement
Claim Type (used only when uploading from the Dealer Bus.	W

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Sys.)	
Labor Code	
Radar, Adaptive Cruise Control (ACC), Replacement 3665-03-02-06	Time varies by model
Causal Part	23792796

Issued by

Technical Service

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