



Volvo Chassis - Front Radar Supply Chain Constraints



Process to handle radar shortage

- Vehicle will come with a sticker placed during production warning driver that the vehicle is not currently equipped with VADA
- Affected dealer and customer will be notified regarding each VIN that will be short-shipped without the front mounted radar
- A campaign will be issued along with instructions on how dealers are to install the radar
- It is anticipated that this is a 2-hour minimum job

See bulletin [SBN21-065](#) for more details.

Affected features

The features that use the radar or radar+camera, and **will not work** on a truck built without the front radar mounted are:

- Forward collision warning and collision mitigation
- Adaptive Cruise Control; including active braking
- Traffic sign recognition

The features that are camera only, and **will still work** without the front radar mounted are:

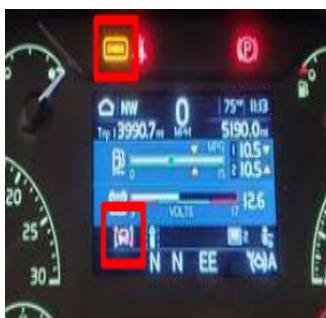
- Lane departure warning
- Vehicle data loggers with a web portal (some devices utilize radar technology to detect safety events and therefore may not work)

How it will be shown to driver

Turning on ignition. Pop-up messages and audible alert



- After acknowledging errors



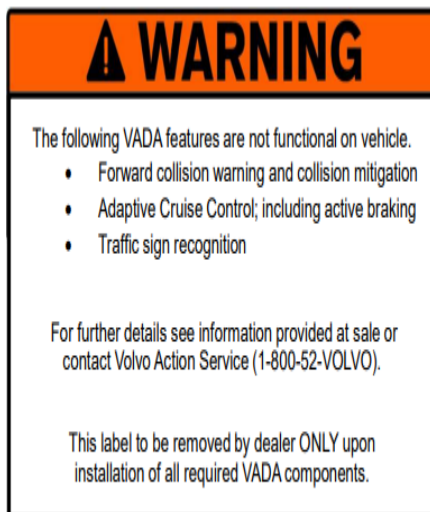
Check light stays on

Red crossover on ACC distance control icon stays on.



This icon will switch to legislated cruise control icon when regular cruise control is used.

- Physical label



Active Fault codes in diagnostic menu:

Live UI / ECU - SA 36 DTC U103FO7

- ABS - SPN 639 FMI 2

- IC - MID 140 PSID 211 FMI 9
- LCM - MID 216 PSID 211 FMI 9



Tags

[front radar](#)[sa 36 dtc u103fo7](#)[spn 639 fmi 2](#)[mid 216 psid 211 fmi 9](#)[volvo](#)[mid 140 psid 211 fmi 9](#)

Related links and attachments

[sbn21-065](#)

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VOLVO TRUCKS DEALER BULLETIN



To: Dealer Principals
General Managers
Sales Managers and Sales Professionals
Rental and Leasing Professionals

Bulletin: SBN21-065
Date: August 12, 2021
Region: ☒ U.S.
☒ CAN

From: Jeannie Starr – Vice President Commercial Operations
Subject: Volvo Active Driver Assist (VADA) Supply Chain Constraints

As you are well aware, the global supply chain is experiencing significant disruptions affecting Volvo Trucks and our suppliers. Thus far, we have collectively mitigated the situation and have worked to ensure we are able to get customers their trucks as soon as possible.

The front radar component of our Volvo Active Driver Assist (VADA) system is facing a semiconductor shortage. This will impact some of our customers' trucks through the next few months. We established a taskforce that determined the best decision for our customers is for us to ship the affected trucks without the VADA front radar mounted. We will begin contacting dealers that have customers with affected trucks, so that you can proactively communicate this change to your customers. All trucks missing the front radar with a dealer delivery address will automatically ship. Those with a customer delivery address will only ship with customer approval.

You and your customer have the option to submit a TSCO to opt out and remove the VADA system entirely on the vehicle or submit a cancellation within the standard sales policy guidelines and timeframes.

When we have an additional supply of radars, we will issue a campaign for them to be installed by the dealer network. **We don't expect this campaign to start within the next few months**, based on current information from our supplier. When the campaign starts, the retrofit is simple since the vehicle was prepared for the radar in production. We will release more details on that process in due time.

While we know that VADA is an effective system which helps improve safety, trucks can be legally and safely operated without this feature. It is important to note that trucks built without the front radar will have both a physical label indicating VADA is not available, as well as driver display messages and notifications to alert them of missing features. A letter for your customers, a driver training video and driver instructions showing how this affects the truck are accessible on TDP with the following links:

[Customer Letter](#)

[Driver Training Video](#)

[Driver Instructions](#)

As VADA is based on both radar and camera technology, it is important to note that the trucks will be equipped with the camera technology. The shortage is for the front radar sensor not the camera. Within the VADA system, we provide a suite of different features; many of which use the radar and therefore will not work on trucks built without the front radar.

The features that use the radar or radar+camera, and will **not work** on a truck built without the front radar mounted are:

- Forward collision warning and collision mitigation
- Adaptive Cruise Control; including active braking
- Traffic sign recognition

The features that will **still work** without the front radar mounted are:

- Standard vehicle cruise control
- Lane departure warning
- Vehicle data loggers with a web portal (some video logging is triggered based on radar technology to detect safety events and therefore may not record)
- Right-hand blind spot detection

Contact information

Please contact your district sales manager or the Dealer Sales Support Center with any questions.

Dealer Sales Support Center
(336) 393-3200