



Volvo Trucks. Driving Progress

VOLVO ACTIVE DRIVER ASSIST

PRODUCT GUIDE



Always on Alert

Volvo Active Driver Assist

Our industry-leading collision avoidance system makes another leap forward. The next generation Volvo Active Driver Assist (VADA) system integrates radar and camera capabilities with a variety of on-board safety features. Now standard in all 2021 Volvo VNL and VNR models, VADA has the potential to decrease the risk of front-end and rear-end collisions by 82%. This potentially life-saving system helps drivers maintain a safe following distance and can even bring the vehicle to a complete stop in emergency braking situations.



Integrated Camera and Radar

VADA brings together two important views of the road for improved safety. The system's radar monitors up to 500 feet ahead of the driver. That data is enhanced with an onboard camera that is constantly observing the road whenever the vehicle is above 15 miles per hour.



Cruise auto resume

Should the system apply service brakes while Adaptive Cruise Control is on, the vehicle can accelerate back to the set cruising speed automatically if a safe following distance is re-established.



Blind spot radar

A radar, mounted on the passenger side of the tractor, monitors a 150-degree field of view for traffic in the adjoining lane. A warning light on the passenger side A-pillar indicates when a vehicle is present.



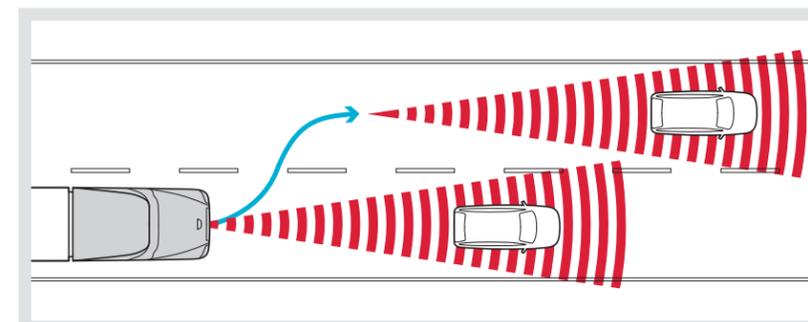
Heads up display

A collision warning light is projected as a red bar in the windshield when a vehicle or other object is too close. The driver is alerted up to 3 seconds before an impending event.



Highway departure warning

Drifting off lane can cause serious accidents. Lane keeping support tracks the road markings and provides an audible warning to the driver when they are drifting into another lane of traffic or completely off the highway.



Automatic emergency braking

New to VADA is the ability to continue emergency braking as needed if the driver changes lanes to avoid initial danger.

VADA senses if there is no response after a driver is alerted of a potential impact. The system can react to reduce the throttle and disengage cruise if necessary. It may also downshift and apply both the engine brake and partial foundation brakes.



- 1.** Right side blind spot radar is standard with VADA 2.0 and alerts the driver if a vehicle is present while trying to change lanes.
- 2.** Automatic Emergency Braking can reduce the throttle, downshifts, and applies engine brake and even foundational brakes if the driver doesn't respond to an impending collision.
- 3.** Audible alerts can be selected to sound inside the cab for front collision, lane departure and right hand blind spot warnings.
- 4.** The integrated camera provides a 40-degree view, offering an extra set of eyes to monitor the driving lane and road speed signs.
- 5.** Adaptive Cruise Control with Auto Resume allows the vehicle to continue at the set cruising speed after breaks are applied by the system and a safe following distance is re-established.
- 6.** Only Volvo offers a collision alert which projects on the windshield interior as a red bar when an obstacle is too close and an accident is imminent.
- 7.** Radar mounted in the front bumper scans the road up to 500 feet ahead of the truck for potential hazards.

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Some vehicles shown with optional equipment.

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