

## SYSTEM LIMITATIONS



The OnSide Blind Spot Detection System is designed as a warning system and thus, will not actively intervene to prevent contact with other vehicles, persons or objects. The system is not intended as a substitute for proper lane change procedures. Alerted by an OnSide warning, the driver must take corrective measures to avoid an imminent side collision. Drivers must remain aware of their surroundings by using all available mirrors before changing lanes. Never rely solely on the system.

OnSide is a radar-based system and has a defined detection zone. Vehicles outside of the detection zone will not be detected by the system. In some situations, not every vehicle or object will be detected by the radar even within the detection zone.

By design, OnSide will not warn of the following:

- Any stationary object, such as parked cars, trees, walls, etc.
- All moving vehicles outside the detection zone
- Bicycles or pedestrians

OnSide will not offer alerts when the tractor is traveling below 15 mph.



## ABOUT WABCO

**WABCO** (NYSE: WBC) is a leading global supplier of technologies and services that improve the safety, efficiency and connectivity of commercial vehicles. Founded nearly 150 years ago as the “Westinghouse Air Brake Company,” WABCO continues to pioneer breakthrough innovations for advanced driver assistance, braking, stability control, suspension, transmission automation and aerodynamics. WABCO reported sales of \$3.3 billion in 2017 and has 15,000 employees in 40 countries. For more information, visit:

[www.wabco-na.com](http://www.wabco-na.com).

# OnSide™

## BLIND SPOT DETECTION SYSTEM



# Driver Tips

For further product details contact  
your WABCO representative or  
the WABCO Customer Care Center  
at 855-228-3203.

## DRIVER TIPS



This Driver Tips Guide applies to vehicles equipped with WABCO OnSide™ Blind Spot Detection System. OnSide is a radar-based warning system that assists drivers in checking adjacent lane clearance before merging. When used in conjunction with proper lane changing procedures, this system can reduce the risk of accidents. Please read the following information to operate the system properly and understand the system's support as well as situations in which this system may not provide assistance.

### WHAT IT DOES

This Advanced Driver Assistance System supports drivers in overtaking and lane change maneuvers to help avoid side collisions. OnSide constantly monitors the vehicle's passenger side blind spot and warns of moving vehicles appearing in the vehicle's passenger side blind spot.

The system utilizes a short range radar sensor mounted on the side of the truck cabin to constantly monitor the vehicle's passenger side blind spot. When OnSide detects a moving vehicle in the monitored blind spot, the system provides a visual warning from the OnSide display mounted in the passenger side A-pillar close to the sideview mirror. When the turn signal is activated, if OnSide detects a moving vehicle in the blind spot, OnSide provides an additional audible alert, warning the driver that the adjacent lane is not clear.

### ALWAYS KEEP IN MIND

The OnSide Blind Spot Detection System is designed as a warning system and thus, will not actively intervene to prevent contact with other vehicles, persons or objects. The system is not intended as a substitute for proper lane change procedures. Alerted by an OnSide warning, the driver must take corrective measures to avoid an imminent side collision. Drivers must remain aware of their surroundings by using all available mirrors before changing lanes. Never rely solely on the system.

The OnSide sensor will be installed on the passenger side of the truck. When it's mounted onto the fairing, it will be covered by a protective fascia. For a cleaner look, the sensor can be mounted behind the fairing. Either way, OnSide is there working – even if it can't be seen.



### START-UP PROCEDURE

OnSide powers up when the vehicle ignition is turned on. During start up, the OnSide indicator mounted on the A-pillar at the passenger side will light up briefly and then go off to show it is properly connected and ready for use.

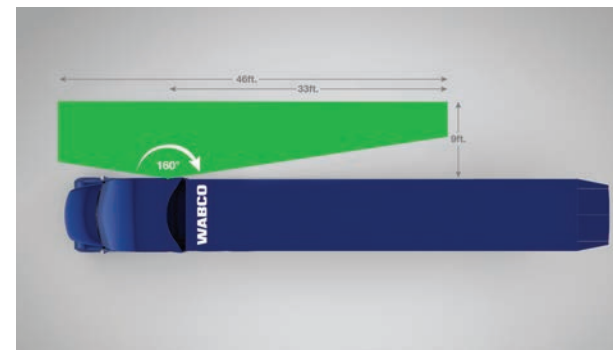


### SYSTEM AVAILABILITY

OnSide becomes active at speeds above 15 mph. Its blind spot detection alerts are available as soon as the vehicle reaches 15 mph.

By using radar technology, the system reliably monitors the blind spot at the vehicle's passenger side even in low visibility conditions such as heavy rain, dense fog or dark night.

For a safe and convenient driver experience, the system's unique algorithm filters out stationary objects. But when a moving vehicle enters the blind spot, the radar sensor initiates a warning.



### PREMIUM DETECTION ZONE

OnSide uses radar technology to create the industry's most advanced detection zone, tracking and evaluating both moving and stationary objects in the blind spot next to the vehicle. Its premium, 160-degree range of coverage monitors an area up to 9 feet from the vehicle along a 46-foot line perpendicular to the truck. It also features an industry-leading reach of up to 33 feet rearwards.

### INDICATOR AND WARNING CASCADE

Depending on your vehicle manufacturer, the placement and appearance of the light indicators may vary. Please refer to the OEM Operator Manual for more information. For vehicles equipped with a standard OnSide indicator (shown below), the following applies:

#### LIGHT OFF



No other moving vehicle is detected in the blind spot

#### LIGHT ON



Another moving vehicle is detected in the blind spot

When the turn signal is activated, if OnSide detects a moving vehicle in the blind spot, OnSide issues repeating triple chirps as additional audible warning.

If the vehicle is also equipped with the OnGuardACTIVE™ display, the OnSide audible warning might also be issued by the OnGuardACTIVE display.