

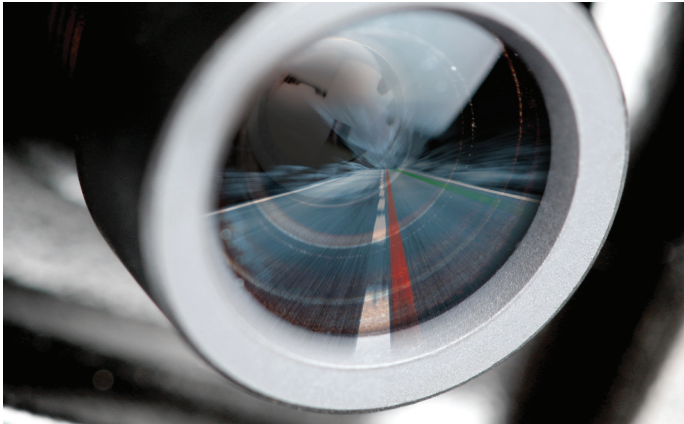
# OnLane™

## LANE DEPARTURE WARNING SYSTEM



**WABCO**

## AN EXTRA EYE ON SAFETY



### STAY ON TRACK

OnLane™ Lane Departure Warning System (LDWS) is a camera-based warning system that helps truck drivers avoid unintended lane drifts. The system utilizes a camera mounted near the top center of the vehicle's windshield to monitor and calculate the vehicle's position within the lane. When OnLane detects the vehicle crossing lane markings without the turn signal being activated, the system sounds an audible warning. This alerts the driver to take corrective action to prevent potential collisions or run-off-road accidents.

### ONLANE CAN HELP

Every year there are thousands of truck accidents caused by unintentional lane departure; 48% of these can be avoided if those trucks were equipped with lane departure warning systems.\*\* OnLane is a powerful tool that can help drivers improve their driving and lane changing habits, which not only enhances fleet's safety but also reduces and decreases accident rates while improving CSA compliance. OnLane can help to reduce accident-related downtime by up to 15%.\*\*\* In addition, many telematic providers feature lane departure event notifications triggered by OnLane. The system's benefits are underlined by a payback of 4 to 12 months, depending on the application.\*\*

### MINIMIZED FALSE ALARMS

OnLane provides false alarm detection and suppression modes, which help reduce false alarms by suppressing alerts in construction zones and when the system loses lane marker tracking confidence. Confident lane tracking is required for a few seconds before warnings are enabled again.

### VIDEO CAPTURE: YOUR EYES ON THE ROAD

OnLane provides an optional video-capturing feature that records and stores video footage when a critical event triggers the truck's safety systems. OnLane will capture video when the vehicle's ABS, stability control system, or collision mitigation system are activated beyond a certain threshold. This feature equips fleets with a powerful reconstruction tool to review situations that activated any vehicle's safety systems. The system records 10 seconds before a critical event is triggered and 5 seconds after. It also stores up to 20 video clips, which can be downloaded via WABCO's TOOLBOX™ and viewed directly on the computer screen.

### DRIVER ALERTNESS WARNING

As part of its advanced technology, OnLane provides a Driver Alertness Warning (DAW) feature. OnLane computes an alertness index based on driving performance and alerts the driver when the index falls below a certain threshold over a period of time. DAW warns the driver by providing a distinct audible warning tone when it detects erratic driving behavior within a lane. The alert will stop when the driving performance has improved or when the key is cycled.



### RETROFITS

WABCO makes it easy for fleets to retrofit a broad spectrum of commercial vehicles with OnLane. Aftermarket retrofit kits are available for hassle-free installation.

\* Federal Motor Carrier Safety Administration Office of Research and Analysis Publication No. FMCSA-RRA-07-017, 2007

\*\*FMCSA Onboard Safety Systems Effectiveness Evaluation, 2013

## POWERFUL LANE DEPARTURE WARNING SYSTEM

- Helps reduce road run-offs, side swipes, and head-on collisions resulting from driver inattention or fatigue
- Detects and classifies lane markers
- Tracks and projects lane ahead of truck
- Provides distinct audible warnings for unintentional lane departures
- Features Driver Alertness Warning (DAW) to alert drivers to distracted or erratic driving behavior
- Encourages drivers to use turn signals



## FUNCTIONALITIES FOR ADDED SAFETY

- False Alarm Suppression Mode helps eliminate false alarms in construction zones
- Distinguishes between deliberate lane changes and unintentional drifts by detecting turn signal activation
- Improves vehicle's safety and reduces accident risk, helping fleets improve their CSA compliance
- Integrates into WABCO's diagnostic software TOOLBOX™

## CRITICAL EVENTS VIDEO CAPTURE

- Offers optional video capture for critical events that occur while driving
- Stores up to 20 critical event videos for later viewing and downloading
- Features free video content downloadable via WABCO's TOOLBOX™

## SOPHISTICATED DESIGN, SIMPLIFIED INSTALLATION

- Camera and processor fully integrated into one compact unit
- Hassle-free install with a detailed manual and one-box retrofit kit
- Automatic calibration and integrated diagnostics simplify setup and operation

### OnLane warns of imminent unplanned departures from the current lane

- Monitors lane markings and evaluates vehicle position within the lane
- Recognizes when the vehicle crosses lane markings
- Distinguishes between intended lane changes and unintended lane drifts based on turn signal usage
- Alerts the driver to take corrective action to avoid unintentional lane departure







## IT'S THE FLEET'S CHOICE!

OnLane represents another step in WABCO's commitment to enhance vehicle safety and driver effectiveness. WABCO's modular suite of active safety solutions seamlessly integrates to meet individual customer needs to help achieve better operating efficiencies, higher vehicle uptime and increased driver retention.

## ORIGINAL PARTS

Every WABCO part is made of high-grade materials and is rigorously tested by WABCO before leaving its hands. Each is a product of WABCO's 150-year history of innovation and design excellence. The quality of every WABCO part is reinforced by a powerful global customer service network.

**For further product details contact your WABCO representative or WABCO North America at 855-228-3203.**

**WABCO** (NYSE: WBC) is a leading global supplier of technologies and services that improve the safety, efficiency and connectivity of commercial vehicles. Originating from the Westinghouse Air Brake Company founded nearly 150 years ago, WABCO continues to pioneer breakthrough innovations to enable autonomous driving in the commercial vehicle industry. Today, leading truck, bus and trailer brands worldwide rely on WABCO's differentiating technologies, including advanced driver assistance, braking, steering and stability control systems. Powered by its vision for accident-free driving and greener transportation solutions, WABCO is also at the forefront of advanced fleet management systems that contribute to commercial fleet efficiency. In 2017, WABCO reported sales of \$3.3 billion and has nearly 15,000 employees in 40 countries. For more information, visit:

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