

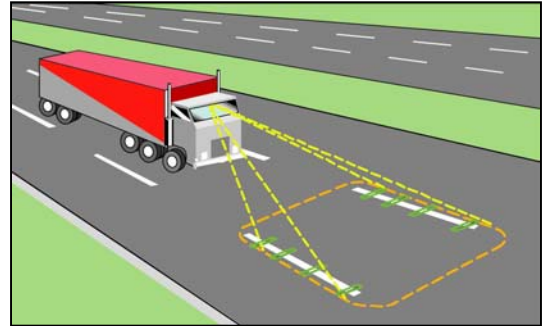
# Freightliner Action Bulletin

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## Lane Guidance: Lane Departure Warning System

Lane Guidance has been used in Mercedes-Benz trucks in Europe since 2000, which has significantly contributed to improved safety and driver satisfaction. Lane Guidance is an integrated system consisting of a camera, processor and software that warns drivers of an unintended lane departure. The camera is mounted to the upper part of the windshield near the center for optimum roadway viewing. Lane Guidance is programmed to recognize the difference between the road and lane markings. The unit's camera uses machine vision technology to track the lane markings (solid, dashed, bot dots, white or yellow) and continually feeds the information directly into the unit's computer. Using image recognition software and proprietary algorithms, the computer determines when a vehicle begins to drift towards an unintended lane departure. When this type of situation is detected, the unit automatically emits a distinctive rumble strip sound from either the right or the left, depending on the unintended direction, immediately alerting the driver of a possible unsafe situation. The system is automatically disabled at slower speeds to avoid nuisance alarms. It also recognizes planned lane departures when turn signals are used.



Windshield Mounted Camera

### Selling Points

- Immediately alerts inattentive drivers to impending unintentional lane departure
- "Rumble Strips" have been proven over many years to decrease accidents and fatalities (Lane Guidance provides "virtual" rumble strips everywhere there are lane markings on the road including shoulder, center and between highway lanes)
- Helps promote use of turn signals and "lane space awareness"

### Availability

- Optional on Century S/T, Columbia, and Argosy
- Requires J1939 DataLink

### Data Code

73B-001 Lane Guidance System

### Further Information

<http://www.iteris.com>