

AutoVue® Lane Departure Warning (LDW) System by Bendix CVS

The AutoVue® Lane Departure Warning (LDW) System by Bendix CVS gives fleet operators the ability to combat lane drift related to: drowsiness/fatigue, distractions, and adverse/unfavorable weather conditions. The AutoVue system – using a camera with a 60-degree field of view that tracks visible lane markings including both solid and dashed shoulder lines, center lines, and lines between lanes – detects when a vehicle begins to drift toward an unintended lane change.

The system components include a digital camera mounted near the middle of the windshield inside the cab and a central processing unit in the overhead console. When an unexpected lane change takes place – lane changes without an activated turn signal in the direction the vehicle is headed – the system alerts the driver to make a correction. Optimized to reduce false alarms, the system automatically emits a distinctive “rumble strip” or other warning (using speakers or — if a non-audible warning is preferred — a vibrating seat), alerting the driver to make a correction.

WARNING:

Carefully read the information provided. The AutoVue LDW system is intended only as an aid for a conscientious and alert driver. It may not provide any warning of unintended lane departures under certain conditions (see *the reverse side*). Do not rely solely on the system to safely operate the vehicle. It does not warn of all possible hazards. For example, the system cannot help prevent an accident if the driver is impaired or not driving safely.

Bendix active and supportive safety technologies, including AutoVue LDW, do not replace the need for safe drivers. No commercial vehicle safety technology replaces the most important safety components of all – a skilled, alert professional driver, reacting appropriately and in a timely manner, using safe driving habits, as well as continuous, comprehensive driver training.

IMPORTANT: It is the responsibility of the driver to change driving styles depending on traffic and road conditions.

SYSTEM OPERATION:

Starting the vehicle supplies power to the system. On start-up, the system performs a self-test, then sounds two chirps through the speakers (or vibrations for systems with vibrating seats) to indicate the system is ready. Once the vehicle is running and the system is ready, the green ENABLED lamp illuminates. The ENABLE/DISABLE switch on the instrument panel temporarily suppresses the alarms. Pushing the switch once disables the system; pushing the switch again re-activates the system. The system will automatically re-activate itself 15 minutes after it has been manually disabled. When enabled, the amber LANE SEARCHING status lamp illuminates to indicate the system is powered but not actively alerting the driver at this time.

Examples of conditions that can illuminate the amber lamp:

- If the vehicle speed is less than 37 mph (60 km/h);
- When lane markings are undetectable;
- If a dirty windshield (or a similar problem) is obscuring the camera; and/or
- When a system Diagnostic Trouble Code (DTC) is detected.

While the system is capable of detecting many different types of lane markers, its performance may be diminished by certain conditions, including:

- Road surfaces that are broken or obscured by dirt, sand, salt, gravel, or skid marks;
- Weather conditions — such as rain, snow, ice, mud, or fog — diminish the visibility of the road surface;
- Lane markings that are damaged, worn, or faded;
- Poor lighting, such as heavy glare or if the vehicle has an inoperable headlight; or
- A windshield that is cracked, dirty, or streaked.

The AutoVue® Lane Departure Warning (LDW) system by Bendix CVS is not meant for use in city traffic, in construction zones, or in heavy highway traffic. It does not provide warnings for planned lane departures indicated by an activated turn signal and disables warnings when driving below 37 mph (60 km/h).



The AutoVue LDW system is optimized to reduce false alarms, however the driver may temporarily use the ENABLE/DISABLE switch to silence the alarm if the current road conditions are causing multiple false alarms.

NOTE: Under normal road conditions (when driving above 37 mph), if the amber LANE SEARCHING lamp illuminates for a long period of time and the green ENABLED lamp remains off despite depressing the ENABLE/DISABLE switch, the system requires calibration service at a dealer or authorized service facility.

Questions? For additional information:

- Website: www.bendix.com
- email: TechTeam@bendix.com
- Phone: 1-800-AIR-BRAKE (1-800-247-2725)

