



Bendix® Wingman® Advanced™

A Collision Mitigation Technology



BENDIX



**A powerful
combination
of collision
mitigation and
full stability
technologies**

WINGMAN
Advanced

Bendix® Wingman® Advanced™



The Key is Active Braking

The Bendix® Wingman® Advanced™ system is the latest innovation for school buses from the industry leader in active braking technologies – Bendix Commercial Vehicle Systems. Bendix Wingman Advanced brings together adaptive cruise control with braking features along with collision mitigation technology, and our full-stability technology – Bendix® ESP® – providing your fleet with a system that can help. Your fleet benefits from a potent combination of active safety technologies that can help your drivers in collisions, roll-overs, and loss-of-control situations. In addition, the system can provide data, to help keep you in the know about what's happening out on the road.

Helping your drivers on the roadway

When the distance between your driver's bus and the vehicle they're following starts to close, Bendix Wingman Advanced provides the driver following distance alerts and, if necessary, will apply the brakes to help the driver potentially avoid the collision, or help reduce its severity.

Bendix Wingman Advanced features stationary object alerts. These alerts give the driver a warning (up to 3.0 seconds) of a metallic object, such as a stalled car, blocking the lane of travel.

Providing information you can use

Performance on the road is important, but you also need actionable information to know what's happening out there. The Bendix Wingman Advanced system can deliver important data your school bus fleet can use, such as following distance information, alerts given, and stability events. Knowing about close calls and other insights from the road can help you assess and update your driver training needs and support fleet operations.

Making a positive contribution to your bottom line

It's all about getting a quick return on your safety investment. The Bendix Wingman Advanced system helps your fleet in multiple ways. By helping drivers potentially avoid rear-end collisions or, at least, help reduce their severity, your fleet may see fewer accidents and less accident-related costs. Also, a number of alerts will now be available to drivers to help them on their daily routes, such as an impact alert, stationary object alert, and following distance alerts, which should increase safety and reduce accident-related costs.



Bendix® Wingman® Advanced™ Features

Alerts (are always available whether cruise control is engaged or not)

- *Following Distance Alerts* – audible and visual alerts which let drivers know when getting too close to a forward vehicle ✓
- *Impact Alerts* – audible and visual alerts warning the driver that a collision with the forward vehicle is likely and that they should address the situation immediately ✓
- *Stationary Object Alerts* – audible and visual alerts that provide the driver up to a 3.0 second alert when a metallic object(s) may be blocking the lane of travel ✓

Adaptive Cruise Control with Braking (functions when cruise control is on and speed is set)

- Reduces throttle to help the driver maintain a set following distance behind a forward vehicle ✓
- Engages the engine retarder to help the driver maintain a set following distance behind a forward vehicle ✓
- Applies the foundation brakes to help the driver maintain a set following distance behind a forward vehicle ✓

Electronic Stability System

- Bendix® ESP® full stability system to help drivers mitigate rollovers and loss-of-control situations on wet and dry roadways ✓

Collision Mitigation (functions whether or not cruise control is on and speed is set)

- Provides audible and visual alerts to the driver and applies the brakes when the system determines a collision with a forward vehicle is imminent ✓



The Bendix Wingman Advanced system doesn't replace the need for safe drivers

No school bus safety technology replaces the most important safety components of all – a skilled, alert professional driver exercising safe driving habits, as well as continuous, comprehensive driver training. Responsibility for the safe operation of the vehicle remains with the driver at all times.

The Key is Active Braking



Help your drivers & your students everywhere, every day...

The Bendix® Wingman® Advanced™ system:

Provides more control on slick surfaces;

Apply the brakes automatically on a slick or icy roadway and the risk of losing control increases. Bendix Wingman Advanced is built on the Bendix® ESP® full stability system. Full stability does more than roll-only systems to help keep school buses under control when brakes are automatically applied on slick surfaces.

Delivers more braking power when your drivers need it;

Bendix Wingman Advanced delivers up to 2/3 (67%) of vehicle braking power. By building on a full-stability platform, all brakes – steer & drive – are available and can be controlled as necessary to provide maximum braking power and a more even braking distribution.

Less wear and tear on your brakes which equals lower maintenance costs, less vehicle downtime;

The adaptive cruise control with braking feature of Bendix Wingman Advanced helps your drivers keep a set following distance by reducing throttle, engaging the engine retarder or, if necessary, applying the brakes. This progressive approach means brakes only get used when they're really needed resulting in less brake wear and more savings.

Delivers "Always Available" driver alerts;

As following distance closes, drivers receive unique visual and audible warnings to aid their response. Fewer false warnings means drivers react when the system alerts.

Alerts drivers to stationary road hazards;

Stationary object alert can provide drivers with an extra warning about metallic objects such as standing vehicles blocking their lane of travel day or night, rain or shine, fog or snow.

Provides useful information; and

Delivers valuable data about following distance, alerts, and stability interventions that you can use to help target driver training needs.

Cost justified, proven safety.

Potentially avoiding a collision or reducing the severity of just one crash can add up to substantial savings from accident and other related costs. With young lives at stake, safety for students is always a number one priority.

For complete details about the Bendix® Wingman® Advanced™ system, contact your Bendix Account Manager, call 1-800-AIR-BRAKE (1-800-247-2725), or visit bendix.com today.

Bendix® ESP® stability for added protection and performance

Bendix ESP, with over 600,000 systems delivered, is an integral part of the Bendix Wingman Advanced system, helping your drivers mitigate roll-over and loss-of-control situations on dry, wet, snow and ice-covered pavement. Plus, Bendix ESP helps Bendix Wingman Advanced use more brakes on the vehicle to deliver more braking power and better balanced brake applications.

**600,000+**
Delivered

