

**BENDIX® INTELLIPARK®  
ELECTRONIC PARKING BRAKE**



***Intellipark***®

**Bendix**®

# Want to help your fleet mitigate a possible rollaway? You should know about Bendix® Intellipark®.

# 60%

Did you know that 60 percent of fleets surveyed by Frost & Sullivan\* had experienced a rollaway within a two-year period? If your fleet wasn't one of them, it might only be a matter of time.

Even if your fleet has not experienced a rollaway incident yet, you understand how damaging, if not deadly, they can be. From the human cost to the monetary impact to your bottom line, safety record, and reputation. All because the parking brake wasn't set properly, or was released accidentally.

\*Based on the Frost & Sullivan 2016 HD Fleet Managers Study. "Willingness to Pay for Advanced Technologies."

National data supports that school buses are the safest way to transport students to and from school.<sup>1</sup> But crashes do happen, and even a single school bus accident is one too many. The one-of-a-kind Bendix® Intellipark® Electronic Park Brake can help.

### Intellipark:

- Can help to potentially mitigate rollaways before they start.
- Is driver friendly by using an electronic switch that can help reduce fatigue and provide instant, at-a-glance recognition the vehicle is parked through easy-to-see LEDs.

Information provided via the optional subscription-based SafetyDirect® system notifies your fleet about close calls, helps enhance your driver training, and helps your fleet track issues as part of your overall safety program.

By helping avoid vehicle and property damage, or even worse, injury, Intellipark can help lower crash and liability impact, as well as associated costs on commercial liability insurance.

### How Intellipark Works

Replacing the pneumatic Bendix® PP-DC® dash control valve, Intellipark uses electronic switches in its Dash Electronic Control Unit (DECU) and a PVM™ (Park Valve Module).

The Intellipark system monitors simultaneous interlock conditions in critical areas which may help to engage the parking brake electronically. These conditions include inputs in critical areas such as the status of the foot brake, when ignition power is off is not parked by the driver, and when the vehicle speed is low or zero. Utilizing a customizable J1939 network message, the Intellipark system facilitates or inhibits unparking the vehicle to support when the driver intends to do so.



PULL to APPLY parking brakes



PUSH to RELEASE parking brakes

Intellipark replaces the familiar yellow push-pull dash valve with an easy-to-engage electronic switch on the dash, making it more ergonomically friendly and eliminating the "stinging" feel of engaging a 120-psi hand-controlled park brake valve. The switch maintains the recognizable yellow symbols and text and includes built-in LED indicator lights that show the status of the brake immediately, offering an additional advantage over the traditional valves. Intellipark also offers increased durability and additional cycles over the current pneumatic system.



DECU™ (Dash Electronic Control Unit)



PVM™ (Park Valve Module)

Bendix® Intellipark®	
Features	What This Means For Your Fleet
Rollaway Mitigation	<ul style="list-style-type: none"> <li>• Can potentially mitigate personal injury and vehicle or property damages by applying the parking brakes if the driver forgets and interlocks are met</li> </ul>
Smart Unpark™	<ul style="list-style-type: none"> <li>• At vehicle startup, once the brake pedal is depressed, the ignition power is on, and the wheelchair door is closed (if equipped), the driver can unpark the vehicle by pushing the parking brake switch.</li> </ul>
Electric Switches with Park Status Illuminated	<ul style="list-style-type: none"> <li>• Ergonomically designed switch helps make parking and unparking more "driver friendly"</li> <li>• Drivers know at-a-glance if the vehicle is parked or unparked</li> </ul>
Valuable Information (optional)	<ul style="list-style-type: none"> <li>• Accessible via optional SafetyDirect® by Bendix CVS, parking related information is available for analysis and driver training</li> </ul>
System	<ul style="list-style-type: none"> <li>• Latching solenoids maintain state pneumatically in case of power loss</li> <li>• Parking brake engages in case of low air pressure</li> </ul>

### Additional Features:

- In an emergency situation, Exhaust-at-Speed helps the driver come to a stop if the parking brake is applied while driving.
- Intellipark Display Unit (IDU): This user-friendly display can indicate system status, messages, alerts, and interlock status.

### Driver Friendly

Bendix engineered the Intellipark electronic parking brake with an eye on improving the driving experience. Most drivers should recognize the importance of having an electronic park brake system with rollaway mitigation helping look out for them.

## Driver Friendly

Ergonomically easy-to-operate switch eliminates the "sting" from a traditional park brake valve.



IDU (Intellipark Display Unit)

# \$1.41 Million

The average yearly fleet spend on rollaway accidents\*.

\*Based on the FMCSA and Frost & Sullivan 2016 US HD Fleet Managers Study: "Willingness to Pay for Advanced Technologies"

Bendix®-brand Electronic Control Units (ECUs) are not designed to store data for purposes of accident reconstruction, and Bendix® ACom® PRO™ Diagnostic Software is not intended to retrieve data for purposes of accident reconstruction. Bendix makes no representations as to the accuracy of data or video retrieved and interpreted from ECUs for purposes of accident reconstruction. Bendix does not offer accident reconstruction services or interpretation of stored data. Bendix ECUs are not protected from fire, loss of power, impact damage, or other conditions that may be sustained in a crash situation and may cause data to be unavailable or irretrievable.

<sup>1</sup> <http://schoolbusfacts.com/benefits/>

# Bendix® Intellipark® Electronic Park Brake System - Safety Technology That Helps Prevent Possible Rollaways and Provides Additional Driver Benefits Including Status LEDs and Easy-to-Operate Switches



## ***Leading Innovation***

It makes sense that the company who introduced the PP-DC® dash control valve to the industry 30 years ago is now advancing parking brake technology to a whole new level for your fleet.

Bendix is a leading supplier of safety technologies for school buses. Technologies include the Bendix® ADB22X® air disc brake, Bendix® ESP® Electronic Stability Program full-stability system, Bendix® Wingman® Advanced™ – Collision Mitigation Technology, Bendix® Wingman® Fusion™, and the Bendix® Intellipark® Electronic Parking Brake.

*Potentially mitigate school bus rollaways with Intellipark. Developed for you by Bendix, the industry's proven leader in electronic park brake valves.*


Visit [bendix.com](http://bendix.com), [safertrucks.com/intellipark](http://safertrucks.com/intellipark), or call 1-800-AIR-BRAKE (1-800-247-2725) today. Watch the Intellipark system in action on our YouTube™ channel, [youtube.com/bendixvideos](http://youtube.com/bendixvideos).

Bendix safety technologies complement safe driving practices. No commercial vehicle safety technology replaces a skilled, alert driver exercising safe driving techniques and proactive, comprehensive driver training. Responsibility for the safe operation of the vehicle remains with the driver at all times.



**Contact your Bendix account representative today for more information or for a demonstration of the Intellipark electronic parking brake system.**

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