

**OPERATOR'S MANUAL  
BENDIX® INTELLIPARK® ELECTRONIC  
PARKING BRAKE CONTROL SYSTEM  
FOR BUS/NON-TOWING VEHICLES**



This booklet contains important operational and safety information that benefits you and subsequent drivers.

## Important Safety Information



**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.**



**The Bendix® Intellipark® Electronic Parking Brake (EPB) system is a driver assistance, not driver replacement, technology. Safe driving practices, habits, and driver training are critical for safety on the road.**



**The driver should always manually set the parking brakes, and not rely on the Intellipark EPB system to do so. Data captured through the Intellipark EPB system will show any abuse or misuse of the system.**



**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.**

## Introduction

This Operator's Manual provides an overview of the Bendix® Intellipark® Electronic Parking Brake (EPB) system Dash Electronic Control Unit (DECU) for buses/non-towing vehicles. The manual explains the safe practices, functions, features, and alerts of the system. Vehicles equipped with the Intellipark EPB system include a Dash Electronic Control Unit (DECU) – electronic switches – instead of pneumatic push/pull parking brake knobs.

Read this manual thoroughly before operating the system. Be familiar with the controls, system alerts, and what to expect when the system is in operation. Keep this manual in the vehicle as a reference for the system, its operation, and its performance characteristics.

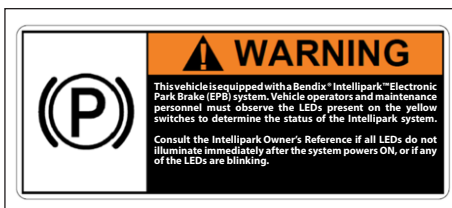


**Dash Electronic Control Unit (DECU)**  
*Included with the Bendix® Intellipark® EPB System*



**Pneumatic Push/Pull Knobs**  
*Replaced by the Bendix® Intellipark® DECU (Switch)*

**NOTE:** If an Intellipark EPB system warning label is present in the vehicle, the vehicle is equipped with the Intellipark EPB system.



## Setting and Releasing the Brakes



**PULL** the DECU switch to engage the parking brakes.



**PUSH** the DECU switch to release the parking brakes.

## LEDs on the Dash Electronic Control Unit (DECU)

Illuminated LEDs on the parking brake switch indicate that the brakes are set.



**Parking Brakes Set**



**Parking Brakes NOT Set**

## Vehicle Startup

During vehicle startup, the LEDs located on the DECU will illuminate for three (3) seconds, turn off for two (2) seconds, then indicate the parking brake status.



**Three-Second  
Illumination at Startup**

## Driver Assistance Features

### Rollaway Mitigation

The rollaway mitigation feature is intended to mitigate possible rollaway accidents by automatically setting the parking brakes when the Bendix® Intellipark® Electronic Parking Brake (EPB) system detects that the driver does not have control over the vehicle and it is not parked.

The Rollaway Mitigation feature of the Intellipark EPB system will engage and automatically park the vehicle after 30 seconds when it determines the driver does not have control, meaning the vehicle speed is low or zero, the accelerator pedal is not pressed, and the foot brake is not applied.

### Smart Unpark™

To release the Intellipark EPB, **all of the following conditions must be met:**

- The ignition power is on.
- The service brake pedal is depressed.

Once all of the above conditions are met, the yellow Dash Electronic Control Unit (DECU) switch may be pressed to release the parking brakes. **NOTE:** For electric vehicles, the vehicle will not unpark if the charging cable is plugged in.

### Rollaway Mitigation Acknowledgement

If the Rollaway Mitigation feature is activated, the LEDs will continuously blink until the driver acknowledges the Rollaway Mitigation event by pulling the yellow parking brake switch. This will manually set the parking brakes. The driver must then push the yellow parking brake switch to release the parking brakes to unpark the vehicle.




## Exhaust-at-Speed

In an emergency situation, the Bendix® Intellipark® Electronic Parking Brake (EPB) system can help the driver achieve a stop when service brakes are not available. Pull the yellow Dash Electronic Control Unit (DECU) switch until the spring brakes have been applied. Once an Exhaust-at-Speed event has been initiated, if the driver releases the yellow parking brake switch while the vehicle is in motion, the spring brakes will release. If the driver releases the yellow parking brake switch when the vehicle is at low or zero speed, the vehicle will remain parked.

## System Faults

 **WARNING: Blinking LEDs could indicate there is a problem or fault with the system. Service the vehicle as soon as possible. In some instances, parking brakes may be unavailable and the vehicle should NOT be driven.**



 **WARNING: Non-blinking, illuminated LEDs could be indicative of a fault. If one LED, either the left or right, is fully lit and not blinking, the system is faulted. The vehicle should NOT be driven.**



## **Setting the Parking Brakes While the Bendix® Intellipark® Electronic Parking Brake (EPB) System is Faulted**

Stop on a level surface. Shut off the engine and open the driver-side window to hear air exhaust from the parking brakes. Perform the following steps:

1. Attempt to park the vehicle by pulling the parking brake switch. Listen for the exhaust of air.
2. If the vehicle did not park, key off the vehicle and “fan down” the air reservoirs by repeatedly depressing the service brake pedal to automatically apply the spring brakes.
3. Chock the wheels.
4. Turn off the battery power to the vehicle.

## **Starting the Vehicle After a Faulted Intellipark EPB System has been Remedied**

1. Ensure the reservoirs are depleted of air.
2. Once the reservoirs are depleted of air, remove the wheel chocks prior to starting the engine.
3. Start the engine and stay in the driver’s seat as the air brake system builds air, filling the reservoirs.
4. Keep the brake pedal depressed to hold the vehicle stationary in case the spring brakes unintentionally release air.
5. Once the system air is at a normal operating range, the vehicle can be unparked and driven.

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