

Operator's Manual

Bendix® Intellipark® Electronic Parking Brake Control System

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.

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 electronic switches (DECU) 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.

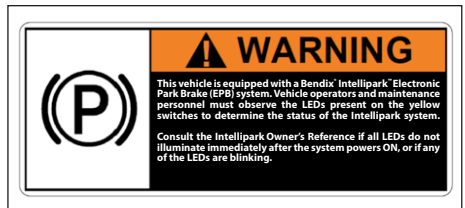


Dash Electronic Control Unit (DECU)
Included with the Bendix® Intellipark® EPB System



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

NOTE: Look for this warning label on the visor. If this label is present, the vehicle is equipped with the Intellipark EPB system.



Setting and Releasing the Brakes



PULL the switch to engage the parking brakes.



PUSH the 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 system will determine the driver does not have control when the vehicle speed is stationary, the accelerator pedal not pressed, and the foot brake is not being applied. In that scenario, the rollaway mitigation feature can engage after a few seconds (up to 30 seconds) and automatically park the vehicle.

Smart Unpark™

At vehicle startup, once the brake pedal is depressed and the ignition power is on, the driver can unpark the vehicle by pushing the parking brake switch. **NOTE:** The vehicle will not unpark if the door is open. 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, both LEDs will continuously blink. The LEDs will continue to blink until the driver pulls the parking brake switch. Releasing the parking brakes will not be possible until the driver pulls the parking brake switch.



Exhaust/Park-at-Speed

In an emergency situation, the Intellipark EPB system can help the driver achieve a stop when service brakes are not available. Pull the parking brake switch until the spring brakes have been applied. Once an Exhaust/Park-at-Speed event has been initiated, if the driver stops pulling the parking brake switch at speed, the spring brakes will release.

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.



Parking with a Fault

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 After a Fault

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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