

# Part 573 Safety Recall Report

## 22E-033

**Manufacturer Name :** Bendix Commercial Vehicle Systems, LLC

**Submission Date :** APR 13, 2022

**NHTSA Recall No. :** 22E-033

**Manufacturer Recall No. :** NR



### Manufacturer Information :

### Population :

**Manufacturer Name :** Bendix Commercial Vehicle Systems, LLC

**Number of potentially involved :** 835

**Address :** 901 Cleveland Street

**Estimated percentage with defect :** 5 %

Elyria OH 44035

**Company phone :** 440-329-9000

### Equipment Information :

**Brand / Trade 1 :** Bendix

**Model :** DCM-BB

**Part No. :** 10049991

**Size :** NR

**Function :** Brake Light

**Descriptive Information :** The recall population was determined by reviewing records at the OEM vehicle assembly plant for the first complaint that was potentially associated with this defect. The vehicle assembly plant had a record of re-working the brake light switch interface. The recalled products differ from the products not included in the recall based upon the use of the undersized hole in the brake pedal that may lead to binding. This hole is only used for a certain vehicle configuration: Blue Bird C-chassis, hydraulic brakes, Cummins engine and non-adjustable pedals. Other Blue Bird vehicles with air-brakes or non-Cummins engines or adjustable pedals do not utilize this feature.

**Production Dates :** MAY 01, 2021 - MAR 16, 2022

### Description of Defect :

**Description of the Defect :** The interface between the brake pedal and brake light switch may bind leading to improper brake light operation. Brake lights may not come on when the brakes are applied or brake lights may remain on when the brake are not applied. The binding condition and the associated malfunction may be intermittent.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the brake lights do not illuminate when the brakes are applied or if the brake lights remain illuminated when the brakes are not applied, the

following vehicle may not respond properly increasing the likelihood of a crash.

**Description of the Cause :** An undersized hole in the brake pedal may not allow for proper movement of the brake light switch interface components. The brake switch may bind and not change states.

**Identification of Any Warning that can Occur :** The transmission expects to see the brakes applied before transitioning from the park state. If the brake switch does not detect the pedal application, the vehicle will remain in park. The improper brake light operation may be detected during vehicle inspection. Other drivers or observers may notice the improper operation of the brake lights and may notify the driver.

## Involved Components :

**Component Name :** Brake Pedal

**Component Description :** Non-Adjustable Brake Pedal used for C-Chassis, hydraulic brakes

**Component Part Number :** BX part number K025587

## Supplier Identification :

### Component Manufacturer

**Name :** Hill Manufacturing

**Address :** 318 W Chestnut St  
Wauseon Ohio 43567

**Country :** United States

## Chronology :

1/27/2022: Bendix engineering received an email from Blue Bird manufacturing that several vehicles had brake lights that were not functioning properly. Other vehicles operated as expected. Joint engineering investigation started. 2/7/2022: Bendix manufacturing added additional testing to confirm that all Driver Control Modules (DCM) left Bendix with a fully functioning brake light switches. 2/7/2022: Completed vehicles at Blue Bird were inspected for binding brake light switch mechanism. 2/9/2022: Bendix RA (Risk Assessment) team created to evaluate this condition. Investigation included problem solving techniques to determine that only C-chassis, hydraulic braked, non-adjustable pedal vehicle with Cummins Engines could exhibit this condition. 4/6/2022: The RA team presented its findings to the Bendix Product Integrity Committee (PIC). 4/8/2022 The Bendix Board agreed with the PIC recommendation to report the equipment defect.

## Description of Remedy :

Description of Remedy Program : Affected equipment will be repaired using a kit of replacement parts that function as intended at no cost to the vehicle owner.

How Remedy Component Differs from Recalled Component : The remedy components will have the properly sized components and will not allow binding of the brake light switch.

Identify How/When Recall Condition was Corrected in Production : 2/7/2022: Additional inspections put in place to detect potential binding at the brake light switch. 4/7/2022 formerly undersized hole dimension was increase to the larger end of the tolerance band to eliminate the potential for binding.

## Recall Schedule :

Description of Recall Schedule : Blue Bird is the only customer for this equipment. No sales were made from Bendix to a vehicle owner or vehicle or equipment dealer. Blue Bird will be notified in writing before June 1, 2022.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

## Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Blue Bird Corporation  
Address : 3920 Arkwright Road  
Macan GA 31210  
Country : US  
Company Phone : 4788222371

\* NR - Not Reported