

Part 573 Safety Recall Report

21E-070

Manufacturer Name : Bendix Commercial Vehicle Systems, LLC

Submission Date : MAY 15, 2023

NHTSA Recall No. : 21E-070

Manufacturer Recall No. : NR



Manufacturer Information :

Population :

Manufacturer Name : Bendix Commercial Vehicle Systems, LLC

Number of potentially involved : 489

Address : 35500 Chester Rd

Estimated percentage with defect : 1 %

Avon OH 44011

Company phone : 440-329-9000

Equipment Information :

Brand / Trade 1 : Bendix

Model : Intellipark

Part No. : K183042R000

Size : NR

Function : Parking Brake

Descriptive Information : All Intellipark Dash Electronic Control Units (DECUs) provided to customers are included in this recall.

Production Dates : SEP 01, 2020 - JUN 15, 2021

Description of Defect :

Description of the Defect : In certain cases, the park brake activation switch may fail to set the park brake.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The driver may not be aware that the park brake was not set. This could lead to unintended movement of the vehicle increasing the risk of a crash.

Description of the Cause : A software calibration is improperly set. Under certain low speed conditions, the DECU could misinterpret vehicle speed signals, determine that an internal fault exists, illuminate the warning LEDs and disable the electronic park brake system.

Identification of Any Warning that can Occur : Red LED warning lamps on the park switch will flash indicating that a fault in the park brake system has been detected.

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

There have been no reports of property damage or injuries.

March 16, 2021 Bendix engineering receives first report of park brake did not set due to an active fault in the Intellipark system.

March 16 - May 2021 engineering attempts are made to reproduce the fault condition in the test bench and collect data on vehicles. Work with customer to investigate and confirm the report.

May 2021 – July 201 software calibration identified as potential source of the defect. Customer claim is very intermittent and difficult to reproduce. Vehicle level consequences are evaluated experimentally. Prevalence of necessary conditions are determined.

July 2021 - software calibration is demonstrated to be able to turn on and turn off the undesirable system response. Simulation tests are developed to reliably provide the necessary conditions on the bench test and on the vehicle.

July 28 2021 - Bendix product integrity committee recommendation is made to issue a equipment safety recall.

Description of Remedy :

Description of Remedy Program : A parameter in the Intellipark DECU will be updated using PC based service software. If the PC based software is remedy method is not available to a customer, the DECU will be removed and replaced with an service replacement with the parameter already set. The repair can be performed at an authorized service facility or by a fleet service center at no cost to the customer. Details of the reimbursement plan will be included in the customer letter.

How Remedy Component Differs The remedied DECU will have the updated parameter. After date code 7/13/2021 all Intellipark DECUs include the updated parameter. The date

from Recalled Component : code is visible on the exterior of the DECU.

Identify How/When Recall Condition was Corrected in Production : As of 7/13/2021, all Intellipark DECU's have the updated parameter as part of the software.

Recall Schedule :

Description of Recall Schedule : Owner Notification will be made by mail.

Planned Dealer Notification Date : OCT 01, 2021 - OCT 01, 2021

Planned Owner Notification Date : OCT 01, 2021 - OCT 01, 2021

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 : Tesla Motors

Address : 3500 Deer Creek Rd
Palo Alto CA 934394

Country : US

Company Phone : 8777983752

Name : Blue Bird

Address : 3920 Arkwright Road
Suite 200 Macon GA 31210

Country : US

Company Phone : 4788222371

Name : FCCC

Address : 552 Hyatt Street
Gaffney SC 29341

Country : US

Company Phone : 864 398 0881

Name : Nikola Corporation

Address : 4141 E Broadway Rd
Pheonix AZ 85040

Country : US

Company Phone : 4803636359

Name : TuSimple
Address : 9191 Towne Centre Dr
Ste 600 San Diego CA 92122
Country : US
Company Phone : 3135226191

Name : Peterbilt
Address : 3200 Airport Rd
Denton TX 7607
Country : US
Company Phone : 940 220 2760

Name : Google Inc - Waymo
Address : 1600 Amphitheatre Parkway
Mountain View CA 94043
Country : US
Company Phone : 6504507982

Name : Navistar Inc
Address : 2701 Navistar Dr
Lisle IL 60532
Country : US
Company Phone : 3313321590

Name : Kenworth Truck Company
Address : 10630 NE 38th PL
Kirkland WA 98033
Country : US
Company Phone : 425 828 5201

Name : Kalmar Solutions LLC
Address : 415 E Dundee St
Ottawa KS 66067
Country : US
Company Phone : 9132710794

* NR - Not Reported