

Part 573 Safety Recall Report

24V-341

Manufacturer Name : Navistar, Inc.**Submission Date :** JUN 18, 2024**NHTSA Recall No. :** 24V-341**Manufacturer Recall No. :** 24507**Manufacturer Information :**

Manufacturer Name : Navistar, Inc.

Address : 2701 Navistar Drive

Lisle IL 60532

Company phone : 331-332-1590

Population :

Number of potentially involved : 91

Estimated percentage with defect : 5 %

Vehicle Information :

Vehicle 1 : 2024-2025 IC Bus CE SBUS

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E-034, "The recall population includes all parts manufactured with a rubber ball seal from a specific supplier. Products not included in the recall population do not contain the rubber ball seal from the specific supplier and do not contain the defect."

Production Dates : OCT 25, 2023 - APR 04, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E-034, "The Intellipark Park Valve Module (PVM) may develop an excessive leak that leads to improper park brake operation."

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E-034, "A park valve module with fractured rubber ball seal may result in an inability to park when commanded. The vehicle must be parked by depleting the air supply to engage the parking brake by fanning down the system using the service brake pedal. If a driver does not detect that the part valve module is malfunctioning, the vehicle may unintentionally move which increases the likelihood of a crash. A fractured rubber ball seat may also leak in a way such that the parking brake system engages without a command. If the vehicle is in motion, an un-commanded parking brake engagement may increase the likelihood of a crash."

Description of the Cause : As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E-034, "An improperly molded rubber ball seal may contain a crack that may tear during assembly, and propagate to a fracture after repeated actuation and environmental exposure."

Identification of Any Warning that can Occur : As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E-034, "Parking brake status if provided to driver by LED lights on the parking brake control switch and indicated by dashboard telltale light or other audible and visual dash display messages. Audible exhaust sounds that are typically heard as an air braked vehicle is parked may not be heard. The excessive leak may be heard during pre-trip inspection before the vehicle is put in use."

Involved Components :

Component Name 1 : Intellipark PVM

Component Description : Non-Towing

Component Part Number : 4286682C2

Supplier Identification :

Component Manufacturer

Name : Bendix Commercial Vehicle Systems, LLC

Address : 35500 Chester Rd
Avon Ohio 44011

Country : United States

Chronology :

01/05/2024 – Bendix informs Navistar that a micro tear in a rubber ball seal was found during transition to a new supplier of that part. The effect of this tear was unknown at this time. Bendix stated they will perform durability testing and provide more details once complete.

01/06/2024 thru 04/18/2024 Bendix and Navistar meet regularly to receive updates on the status of the testing.

04/12/2024 – Bendix informed Navistar that the testing was completed. Bendix indicated that the tear was found to contribute to an early life failure of the PMV resulting in an excessive air leak. Bendix also indicated that its Product Integrity Committee will meet to review the issue.

04/23/2024 – Navistar initiates a ship hold of 799 units located at its manufacturing facility. 652 suspect PMVs were found on vehicles and replaced, establishing a clean point at the Tulsa Bus assembly plant.

05/01/2024 – Navistar receives Bendix's defect report for 24E-034.

05/07/2024 – Navistar Engineering, Supplier Quality, Manufacturing and Product Safety finalize the suspect population.

05/09/2024 – Navistar declares a Safety Recall.

05/28/2024 - Updated recall remedy launch from original defect report submission.

06/06/2024 - Navistar received and reviewed information from the PVM supplier and third party inspection service that more vehicles than originally reported may contain a suspect PVM. Updated 573 with new suspect vehicle quantity. Updated recall remedy launch from 5/28 update. Moved out 1 week due to parts supply lead times.

Description of Remedy :

Description of Remedy Program : The remedy will involve replacing any Bendix Intellipark PVM with a suspect date code.

How Remedy Component Differs from Recalled Component : As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E-034, "The defective ball seal may contain cracks and molding defects from supplier B. The remedy ball seals do not contain cracks and are from supplier A. Each Park Valve Module has a serialized date code which can be used to identify PVM's with potentially defective ball seals."

Identify How/When Recall Condition was Corrected in Production : As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E-034, "Remedy ball seals were obtained from Supplier A which exhibit no cracks and were tested for durability in repeated cycling and environmental exposure without failures. The supplier A ball seals were re-introduced to assemblies produced on 3/14/2024. No Intellipark PVM were built after 3/14/2024 with ball seals from supplier B that contain the potential defect."

Recall Schedule :

Description of Recall Schedule : Dealers will be notified first thru Navistar's Service Portal. Owner notification mailing will begin one week later.

Planned Dealer Notification Date : JUN 24, 2024 - JUN 24, 2024

Planned Owner Notification Date : JUL 01, 2024 - JUL 01, 2024

* NR - Not Reported