

# Part 573 Safety Recall Report

# 23V-119

**Manufacturer Name :** Navistar, Inc.**Submission Date :** FEB 23, 2023**NHTSA Recall No. :** 23V-119**Manufacturer Recall No. :** 23503**Manufacturer Information :**

Manufacturer Name : Navistar, Inc.

Address : 2701 Navistar Drive

Lisle IL 60532

Company phone : 331-332-1590

**Population :**

Number of potentially involved : 4,199

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2018-2021 International HV

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

- Descriptive Information :
- The suspect population is identified by models equipped with feature code 13WEH, 13WUA or 13AAZ (Allison Auto Neutral).
  - The inclusive dates of manufacture were determined by the date when a Body Control Module (BCM) software version, that did not look at the absolute state of the park brake status in the auto neutral feature, went into production through the date when BCM software that looks at absolute state of the park brake status in the auto neutral feature went into production.
  - The vehicles in the suspect population were built within the suspect build timeframe and all similar vehicles with this feature were built outside of the suspect build timeframe.
- There are 2,690 HV series trucks in the suspect population

Production Dates : MAR 30, 2017 - DEC 30, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2022-2022 International HX

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

- Descriptive Information :
- The suspect population is identified by models equipped with feature code 13WEH, 13WUA or 13AAZ (Allison Auto Neutral).
  - The inclusive dates of manufacture were determined by the date when a Body Control Module (BCM) software version, that did not look at the absolute state of the park brake status in the auto neutral feature, went into production through the date when BCM software that looks at absolute state of the park brake status in the auto neutral feature went into production.
  - The vehicles in the suspect population were built within the suspect build timeframe and all similar vehicles with this feature were built outside of the suspect build timeframe.

There is 1 (one) HX series trucks in the suspect population.

Production Dates : NOV 07, 2020 - NOV 07, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2019-2022 International MV

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

- Descriptive Information :
- The suspect population is identified by models equipped with feature code 13WEH, 13WUA or 13AAZ (Allison Auto Neutral).
  - The inclusive dates of manufacture were determined by the date when a Body Control Module (BCM) software version, that did not look at the absolute state of the park brake status in the auto neutral feature, went into production through the date when BCM software that looks at absolute state of the park brake status in the auto neutral feature went into production.
  - The vehicles in the suspect population were built within the suspect build timeframe and all similar vehicles with this feature were built outside of the suspect build timeframe.

There are 1,491 MV series trucks in the suspect population.

Production Dates : OCT 06, 2017 - JAN 08, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2019-2021 International RH  
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES  
Body Style : OTHER  
Power Train : DIESEL

Descriptive Information : • The suspect population is identified by models equipped with feature code 13WEH, 13WUA or 13AAZ (Allison Auto Neutral).  
• The inclusive dates of manufacture were determined by the date when a Body Control Module (BCM) software version, that did not look at the absolute state of the park brake status in the auto neutral feature, went into production through the date when BCM software that looks at absolute state of the park brake status in the auto neutral feature went into production.  
• The vehicles in the suspect population were built within the suspect build timeframe and all similar vehicles with this feature were built outside of the suspect build timeframe.  
There are 17 RH series trucks in the suspect population.

Production Dates : JUL 21, 2018 - FEB 14, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

## Description of Defect :

Description of the Defect : The suspect vehicle's BCM software does not consider the absolute state of the park brake in the auto neutral feature. The engine ramp-up during PTO operation may overcome the park brake possibly resulting in unexpected vehicle movement.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A vehicle that unexpectedly moves can increase the risk of property damage or personal injury.

Description of the Cause : The auto neutral feature design only looked at park brake transition state (off to on) instead of the absolute state of the park brake.

Identification of Any Warning that can Occur : NR

## Involved Components :

Component Name 1 : BCM software

Component Description : BCM software versions 249 thru 342

Component Part Number : None

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

- 01/06/2023 – Navistar Field Service receives communication from a customer that a vehicle in a cement mixer application unexpectedly moved after the engine speed was ramped up to begin pouring concrete.
- 01/12/2023 – Navistar Field Service receives a video of the incident and could not determine if this incident resulted from operator error or incorrect programming. Navistar field service arranges appointment to visit the customer location to review the vehicle.
- 01/16/2023 – Navistar Field Service inspects BCM programming and reprograms BCM software in ten units at customer location. Navistar field service could not determine if the BCM programming was altered or changed during body build by final stage manufacturer (3rd party).
- 01/18/2023 – During troubleshooting, Navistar Field Service was able to reproduce failure mode using prior BCM programming.
- 01/19/2023 through 01/30/2023 – Navistar Field Service, Engineering, and Information System (IT) personnel meet to obtain BCM software levels for all vehicles built with Auto Neutral feature to determine which vehicles had the prior 249 thru 342 BCM programming from the plant. Because the IT system was “down” this process was then performed by reviewing manual records.
- 02/07/2023 – Navistar Compliance, Field Service, and Engineering meet to discuss the failure mode and determine the impact to International trucks with the prior 249 thru 342 BCM programming. Navistar Compliance determines to elevate the issue to a Compliance Investigation and present the issue to the Navistar Compliance Committee.
- 02/14/2024 – Navistar finalizes the suspect population.
- 02/16/2023 – Navistar declares a Safety Recall.

## Description of Remedy :

- Description of Remedy Program :
- The remedy will involve updating the BCM software to the current software that looks at absolute state of the park brake status in the auto neutral feature.
  - Navistar’s plan for reimbursement of pre-notification remedies, on file with NHTSA and dated 05/06/2022, applies and reimbursement instructions will be included in the customer notification.

**How Remedy Component Differs from Recalled Component :** The Remedy BCM software looks at park brake state in the auto neutral feature where the recalled software version did not.

**Identify How/When Recall Condition was Corrected in Production :** 01/03/2021 – Navistar released updated BCM software into production that looks at absolute state of the park brake status in the auto neutral feature.

## **Recall Schedule :**

**Description of Recall Schedule :** It is estimated that the Customer and Dealer notification letters will be mailed by 04/24/2023.

**Planned Dealer Notification Date :** APR 24, 2023 - APR 24, 2023

**Planned Owner Notification Date :** APR 24, 2023 - APR 24, 2023

\* NR - Not Reported