

Part 573 Safety Recall Report

22V-711

Manufacturer Name : Navistar, Inc.**Submission Date :** SEP 22, 2022**NHTSA Recall No. :** 22V-711**Manufacturer Recall No. :** 22520**Manufacturer Information :****Manufacturer Name :** Navistar, Inc.**Address :** 2701 Navistar Drive
Lisle IL 60532**Company phone :** 331-332-1590**Population :****Number of potentially involved :** 451**Estimated percentage with defect :** 100 %**Vehicle Information :****Vehicle 1 :** 2022-2023 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 codes 02ARU, 02ARY, 02ARZ, 02ATB, 02AUR, 02AVB, 02AVC, 02AVD, or 02AVE (Meritor Steer Axle) and an additional steer axle installed by Navistar's Truck Specialty Center (TSC).
 - The inclusive dates of manufacture were determined by when Navistar began use of suspect axles through the date the issue was contained in vehicle and TSC manufacturing.
 - The vehicles in the suspect population were built with feature codes 02ARU, 02ARY, 02ARZ, 02ATB, 02AUR, 02AVB, 02AVC, 02AVD, or 02AVE (Meritor Steer Axle) and an additional steer axle installed by Navistar's TSC and similar vehicles not included were built with other steer axles and/or do not have the additional steer axle installed.

There are 451 HX series trucks in the suspect population

Production Dates : DEC 20, 2021 - AUG 04, 2022**VIN Range 1 : Begin :**

NR

End : NR☐ Not sequential**Description of Defect :**

Description of the Defect : The clamp that wedges the tie rod tube and threaded end together may crack and lose its clamping ability. Over time, the tie rod end threads can become damaged and, in some cases, may allow the tie rod end to separate.

FMVSS 1 : NR**FMVSS 2 :** NR

Description of the Safety Risk : Tie rod end separation may result in an unexpected loss of steering on one wheel. An unexpected loss of steering on one wheel can increase the risk of a

Description of the Cause : vehicle crash.
Excessive carbon was introduced to the tie rod clamp surface during the heat-treating process.

Identification of Any Warning that can Occur : Over time, the steering may develop a loose feeling prior to tie rod separation.

Involved Components :

Component Name 1 : Tie rod kit
Component Description : Tie rod
Component Part Number : R23104 or R23105

Supplier Identification :

Component Manufacturer

Name : Meritor
Address : 2135 West Maple Rd
Troy Michigan 248-435-10
Country : United States

Chronology :

- 09/01/2022 – Navistar receives communication from Meritor describing potential tie rod clamp failures.
- 09/02/2022 – Navistar quarantines all suspect vehicles at the assembly plants.
- 09/06/2022 – Navistar Compliance and Manufacturing meet to investigate the impact to International vehicles.
- 09/09/2022— Navistar TSC identifies 7 axles built during the suspect build period and repairs them.
- 09/15/2022 – Navistar finalizes the suspect population and declares a Safety Recall.

Description of Remedy :

Description of Remedy Program : • The remedy will involve replacing both tie rod end clamps.
• 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 tie rod end clamps are certified to meet hardness specification and the recalled tie rod end clamps were not.

Identify How/When Recall Condition was Corrected in Production : 09/02/2022 – Navistar began use of steer axles with certified tie rod end clamps.

Recall Schedule :

Description of Recall Schedule : It is estimated that the dealer notification letter will be mailed by 9/26/2022. It is estimated that the Customer notification letter will be mailed by 10/3/2022.

Planned Dealer Notification Date : SEP 26, 2022 - SEP 26, 2022

Planned Owner Notification Date : OCT 03, 2022 - OCT 03, 2022

* NR - Not Reported