

Part 573 Safety Recall Report

20V-494

Manufacturer Name : Navistar, Inc.**Submission Date :** NOV 19, 2020**NHTSA Recall No. :** 20V-494**Manufacturer Recall No. :** 20507**Manufacturer Information :**

Manufacturer Name : Navistar, Inc.

Address : 2701 Navistar Drive

Lisle IL 60532

Company phone : 331-332-1590

Population :

Number of potentially involved : 80

Estimated percentage with defect : 66 %

Vehicle Information :

Vehicle 1 : 2020-2021 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 Navistar feature code 14WNM or 14WNY (Axle; lift type 20,000 lb. capacity self-steer axle).
- The suspect vehicle dates of manufacture were determined by trucks built with lift axle assemblies manufactured by Watson and Chalin on 06/01/2019 through 04/30/2020.
- The vehicles in the suspect population were built with feature code 14WNM or 14WNY (Axle; lift type 20,000 lb. capacity self-steer axle) and all other vehicles not subject to this recall do not include this feature.

There are 64 affected HX series trucks in the suspect population.

Production Dates : JUN 13, 2019 - MAY 27, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2020 International HV

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : • The suspect population is identified by models equipped with Navistar feature code 14WNM or 14WNY (Axle; lift type 20,000 lb. capacity self-steer axle).
• The suspect vehicle dates of manufacture were determined by trucks built with lift axle assemblies manufactured by Watson and Chalin on 06/01/2019 through 04/30/2020.
• The vehicles in the suspect population were built with feature code 14WNM or 14WNY (Axle; lift type 20,000 lb. capacity self-steer axle) and all other vehicles not subject to this recall do not include this feature.
There are 16 affected VX series trucks in the suspect population.

Production Dates : JUL 03, 2019 - NOV 25, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : • The lower rear pivot cap screws that connect the trailing arm to the steerable auxiliary lift axle may not be long enough to sufficiently engage the locking feature of the corresponding nuts.
• Extended use of the suspension in this condition can result in the fracture or loss of the cap screw and related washers and nut. This can further result in foreign object debris on the roadway.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The loss or fracture of the cap screw resulting in foreign object debris on the roadway can increase the risk of a vehicle crash and or injury.

Description of the Cause : The cap screw length specified in design did not meet the required thread count through the corresponding lock nut.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Lift axle pivot cap screw

Component Description : Bolt

Component Part Number : Supplier P/N 19800-11

Supplier Identification :

Component Manufacturer

Name : Watson and Chalin Specialty Products (Wa
Address : 725 E. University Dr.
McKinney Texas 75069
Country : United States

Chronology :

- 07/06/2020 – Navistar receives communication from Watson and Chalin describing the issue with lower rear pivot cap screws.
- 07/14/2020 – Navistar discusses the issue with Watson and Chalin and initiates an investigation to determine impact to Navistar products.
- 07/24/2020 – Navistar determines the suspect population and meets with Watson and Chalin to determine potential failure modes and severity of failures.
- 07/28/2020 – Watson and Chalin informs Navistar their intent to submit an Equipment 573 report to NHTSA.
- 08/04/2020 – Navistar engineering and quality meet with Watson and Chalin to understand root cause and the effects of the failure.
- 08/13/2020 – Navistar declares a Safety Recall.
- 10/23/2020 – Watson and Chalin informs Navistar that about expanding their recall 20E055.
- 10/26/2020 – Navistar and Watson and Chalin meet to determine the impact to Navistar products.
- 11/04/2020 – Navistar and Watson and Chalin finalize the expanded suspect population.
- 11/12/2020 – Navistar approves expanding recall 20507 (NHTSA Recall 20V-494).

Description of Remedy :

Description of Remedy Program : • The remedy will involve replacing all lower rear pivot cap screws and associated nuts and washers.
• Navistar's plan for reimbursement of pre-notification remedies, on file with NHTSA and dated 10/03/2018, applies and reimbursement instructions will be included in the customer notification.

How Remedy Component Differs from Recalled Component : The remedy cap screws are of sufficient length to maintain proper clamp load where the recalled cap screws are not.

Identify How/When Recall Condition was Corrected in Production : reported by Watson and Chalin in their 573 Report; Watson and Chalin engineering and manufacturing implemented a corrective change from an 11.5 inch nominal length cap screw to a 12.0 inch nominal length cap screw on 05/01/2020.

Recall Schedule :

Description of Recall Schedule : It is estimated that the Customer and Dealer notification letters will be mailed by 10/12/2020. mailing to owners of additional population to be mailed on 11/23/2020

Planned Dealer Notification Date : OCT 12, 2020 - NOV 23, 2020

Planned Owner Notification Date : OCT 12, 2020 - NOV 23, 2020

* NR - Not Reported