

Part 573 Safety Recall Report

24V-880

Manufacturer Name : International Motors, LLC**Submission Date :** DEC 18, 2024**NHTSA Recall No. :** 24V-880**Manufacturer Recall No. :** 24517**Manufacturer Information :**

Manufacturer Name : International Motors, LLC

Address : 2701 Navistar Drive

Lisle IL 60532

Company phone : 331-332-1590

Population :

Number of potentially involved : 57

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2025 International HX

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information :

- The suspect population was identified by HX® series built 10/18/2021 thru 7/16/2024 with Bendix 4-Channel Air Brakes ABS or Bendix 4-Channel Air Brake ESP ATC with IROS Air Suspension and Rear Drum Brake. Feature Codes 0004AZJ or 0004AZS & with 0014UNT or 0014UNU (IROS Air Suspension) & 0004XDE, 0004XDH or 0040XDR (Rear Drum Brake).

- The vehicles in the suspect population were built without proper equipment (valves and/or air lines) to remain compliant to FMVSS 121 S5.3.4.1 (a) and all other similar vehicles not subject to this recall were built with the proper equipment.

Production Dates : OCT 18, 2021 - JUL 16, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : The suspect vehicles do not conform to Federal Motor Vehicle Safety Standard (FMVSS) No. 121, 5.3.4 brake release time requirement. Each service brake system shall meet the requirements of S5.3.4.1 (a).

S5.3.4.1 (a) With an initial service brake chamber air pressure of 95 psi, the air pressure in each brake chamber shall, when measured from the first movement of the service brake control, fall to 5 psi in not more than 0.55 seconds.

Specifically, the brake release timing of these vehicles is longer than the required 0.55 seconds.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : • Vehicles not meeting the FMVSS 121 S5.3.4.1 (a) release timing requirement may have a delay in air pressure released from the brake chambers. Brakes that release too slowly could increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Valve

Component Description : Quick Release

Component Part Number : BX802745

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

10/16/2024: Internal review by brake system engineering found that a rule designed to prevent the manufacture of new HX vehicle configurations that require validation of the brake release timing requirements of FMVSS 121 did not exist. An investigation was opened to determine if any new HX vehicles had been built where the brake release timing requirement of FMVSS 121 may not have been validated.

10/22/2024: The investigation identifies approximately 11 configurations of HX vehicles were built without data validating brake release timing. International initiates a delivery stop on these configurations at the Escobedo Assembly Plants, finding 36 vehicles, and establishes the clean point.

10/23/2024: A rule is implemented to block future orders for these configurations.

10/24/2024-11/7/24: Testing begins to determine the actual release timing performance of the identified configurations.

11/8/2024: International Product Safety, Engineering and Regulatory Compliance met to review the test results from three vehicle configurations. They were found to have failed the FMVSS 121- S5.3.4.1 (a) brake release timing requirement by a range of between 0.008s to 0.034s depending on the configuration. International is continuing to evaluate other configurations to assess their compliance with the brake timing release requirements.

11/13/2024- International finalizes suspect population for the vehicles and configurations where FMVSS 121 brake release timing testing indicated a noncompliance.

11/14/ 2024- International declares a Non-Compliance Recall.

Description of Remedy :

- Description of Remedy Program :
- Depending on vehicle configuration, some will only require larger diameter air lines, while some may require the mounting and installation of a quick release valve (QRV) and associated hardware.
 - Navistar's plan for reimbursement of pre-notification remedies, on file with NHTSA and dated 06/07/2024 applies and reimbursement instructions will be included in the customer notification.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : • When parts are available, remedy instructions and owner notifications will be distributed. Tentative schedule as indicated.

Planned Dealer Notification Date : JAN 06, 2025 - JAN 06, 2025

Planned Owner Notification Date : JAN 13, 2025 - JAN 13, 2025

* NR - Not Reported