Part 573 Safety Recall Report 24V-750

Manufacturer Name : Navistar, Inc.
Submission Date : OCT 09, 2024
NHTSA Recall No. : 24V-750
Manufacturer Recall No. : 23513

Manufacturer Information :

Manufacturer Name : Navistar, Inc.
Address : 2701 Navistar Drive
Lisle IL 60532
Company phone : 331-332-1590

Population :

Number of potentially involved : 1,216
Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2024-2025 IC Bus CE
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : DIESEL
Descriptive Information :
- The suspect population was identified by vehicles built on 08/01/2023 thru 09/03/2024 with Air Disc Brakes (feature codes 0004XCJ or 0004XCK or 0004XGM or 0004XGM) and currently (as of the date of this report) less than 4000 miles.
- The vehicles in the suspect population were manufactured at the Tulsa Bus Plant and may not have had their caliper mounting bolts tightened to the correct specification and all other similar vehicles not subject to this recall had caliper mounting bolts tightened to the correct specification.

Production Dates : AUG 01, 2023 - SEP 03, 2024
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 : 2023-2025 International EV S
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : NR
Descriptive Information :
- The suspect population was identified by vehicles built on 08/01/2023 thru 09/03/2024 with Air Disc Brakes (feature codes 0004XCJ or 0004XCK or 0004XGM or 0004XGM) and currently (as of the date of this report) less than 4000 miles.
- The vehicles in the suspect population were manufactured at the Tulsa Bus Plant and may not have had their caliper mounting bolts tightened to the correct specification and all other similar vehicles not subject to this recall had caliper mounting bolts tightened to the correct specification.

Production Dates : AUG 02, 2023 - AUG 27, 2024
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect :	The mounting bolts that fasten the brake caliper to the caliper anchor plate may not have been tightened to their specified torque.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	If the caliper mounting bolts loosen and detach, reduced braking performance could occur resulting in longer stopping distances which could increase the risk of a crash.
Description of the Cause :	The final stage of a multi-stage bolt install and torque process may not have been completed as required by manufacturing process documentation.
Identification of Any Warning that can Occur :	None if bolts are just loose, however if bolts begin to separate, metallic scraping noises may be heard from the affected wheel end.

Involved Components :

Component Name 1 :	Caliper Bolt
Component Description :	Bolt HH M20x60 PHC CLS10
Component Part Number :	30091R1

Component Name 2 :	Washer
Component Description :	Washer 21.8X37x4mm PHC
Component Part Number :	30179R1

Supplier Identification :

Component Manufacturer

Name :	NR
Address :	NR
	NR
Country :	NR

Chronology :

3/27/2024: Navistar receives a field service report on a bus where 4 out of 6 air disc brake caliper mounting

bolts are missing (remaining 2 were loose) on the left rear wheel end. It was also noted that the 2 remaining bolts did not appear to have inspection marks to indicate that the bolts were properly torqued. At this time, there were no additional reports of missing or loose caliper mounting bolts.
7/8/2024: Navistar Product Safety begins an investigation into the issue reported in the field report after a warranty search found 4 Prior to Delivery (PTD) and 3 In-service warranty claims for loose or missing caliper bolts. Summary to be found in Appendix document uploaded to NHTSA portal.
8/28/2024: The field service report was a topic of discussion during the quarterly Safety Evaluation List meeting between Navistar and the NHTSA. At the meeting Navistar indicated that it was aware of the 7 warranty claims of loose or missing bolts on an air disc brake caliper, but that no specific trend in failure mileage or failure location was identified at that time.
8/29/2024: Navistar Product Safety became aware of 2 additional reports of loose and missing bolts. Summary to be found in Appendix document uploaded to NHTSA portal.
9/3/2024: The Tulsa Bus Plant began an in -station 100% inspection and manual recording of caliper mounting bolt torque data on all air disc brake buses establishing the clean point.
9/3/2024 thru 9/16/2024: The Tulsa Bus plant performed a yard inspection of 385 buses finding all were torqued correctly.
9/3/2024 thru 9/23/2024: Navistar Product Safety and R&D work to determine the potential vehicle level effects of loose and/or missing caliper mounting bolts and the effect of mileage on the occurrence of the issue.
9/16/2024: The Tulsa Bus Plant upgrades DC torque tool traceability to electronically replace the manual inspection. Torque data then reviewed daily to ensure all bolts on every bus were torqued properly. Improvements include fea

Description of Remedy :

Description of Remedy Program :	The remedy will involve an inspection for loose or missing bolts, if any are found they will be replaced and/or re-torqued to the correct specifications. 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 :	N/A
Identify How/When Recall Condition was Corrected in Production :	See chronology.

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 :	NOV 15, 2024 - NOV 15, 2024
Planned Owner Notification Date :	NOV 22, 2024 - NOV 22, 2024

* NR - Not Reported