

Part 573 Safety Recall Report

24V-027

Manufacturer Name : Navistar, Inc.

Submission Date : FEB 05, 2024

NHTSA Recall No. : 24V-027

Manufacturer Recall No. : 24502



Manufacturer Information :

Manufacturer Name : Navistar, Inc.

Address : 2701 Navistar Drive
Lisle IL 60532

Company phone : 331-332-1590

Population :

Number of potentially involved : 20

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2024-2024 IC EV school bus

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information :

- The suspect population is identified by models equipped with feature codes 0008TLC (210 kWh Total Battery Capacity).
- The inclusive dates of manufacture were determined by when high voltage cables with the incorrect identification marking tape were installed through when high voltage cables with the correct identification marking tape were installed.
- The vehicles in the suspect population were built with incorrect identification marking tape on the high voltage positive cables from the battery packs to the manual service disconnects (MSDs) and all similar vehicles outside the suspect population were built with the correct identification marking tape.

There are 20 EV school buses in the suspect population.

Production Dates : JUL 20, 2023 - AUG 07, 2023

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : The high voltage positive cables from the battery packs to the MSDs may have incorrect identification marking tape, blue in color or no tape at all indicating a lower level (2 or 1) of isolation, instead of white in color, indicating a level 3 isolation (battery fuse removal).

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An incorrectly identified cable may indicate to a first responder, technician, or customer that the cable is deenergized, when it may not be, possibly increasing the risk of electrical shock that may result in personal injury or

Description of the Cause : death.
Certain battery cable kits requiring rework to replace incorrect “blue tape” with correct “white tape” since previous recall (22V-850) may not have been properly reworked. Some kits may still have the “blue tape,” and some may not have any tape at all.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Cable; HV Battery

Component Description : A3 MSD2 OUT TO SBOX LWB

Component Part Number : 4304601C92

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

- 11/15/23 – Navistar Manufacturing reports the issue to Field Quality.
- 11/16/23 to 01/08/2024 – Navistar Manufacturing quarantines all units (248) onsite at the Tulsa Bus Plant. An inspection found 10 units with the incorrect striping tape color.
- 12/1/2023 – Navistar Product Safety was informed that the corrective actions in place for safety recall 22V-850 did not stay in place.
- 12/05/2023 thru 1/8/2024 – Navistar Product Safety works with Manufacturing and Service Engineering reviewing parts at their storage locations, plant assembly records, and operator part shortage reports, looking for trends to determine the potential suspect population.
- 12/6/2023 – Product Safety meets with Service Engineering, to review the results of 14 inventory EV buses inspected at a dealership. Of these, 10 did not have the correct color tape and required repairing.
- 12/13/2023 – Navistar Manufacturing revised the Point of Application (POA) inspection checklist to verify correct color identification tape is present.
- 01/09/2024 – Product safety finalizes the suspect population.

- 01/11/2024 – Navistar declares a Safety Recall.

Description of Remedy :

Description of Remedy Program :	- The remedy will involve inspecting the high voltage cables for the presence of the correct “white” identification tape and installing “white” identification tape on cables without identification tape or cables with incorrect identification tape. - 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 will involve installation of “white” high voltage identification tape where the recalled cables have no high voltage identification tape.
Identify How/When Recall Condition was Corrected in Production :	12/13/2023 – Navistar Manufacturing revised inspection checklist to verify correct Identification tape is present on the battery high voltage cables to the MSDs.

Recall Schedule :

Description of Recall Schedule :	It is estimated that the Dealer remedy instructions will release on 01/29/2024 and the customer notification will mail on 02/05/2024.
Planned Dealer Notification Date :	JAN 29, 2024 - JAN 29, 2024
Planned Owner Notification Date :	FEB 05, 2024 - FEB 05, 2024

* NR - Not Reported