

Part 573 Safety Recall Report

22V-164

Manufacturer Name : Navistar, Inc.**Submission Date :** MAY 18, 2022**NHTSA Recall No. :** 22V-164**Manufacturer Recall No. :** 22507**Manufacturer Information :**

Manufacturer Name : Navistar, Inc.

Address : 2701 Navistar Drive

Lisle IL 60532

Company phone : 331-332-1590

Population :

Number of potentially involved : 2,804

Estimated percentage with defect : 18 %

Vehicle Information :

Vehicle 1 : 2018-2023 International LT

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The suspect population is identified by vehicles that Navistar Truck Specialty Center (TSC) upfitted with a 1500W Purkeys inverter system; P/N P8081003SCR.

The suspect population is identified by vehicles upfitted with this inverter system installed by Navistar's TSC and all other similar vehicles are not.

There are 2,804 LT series trucks in the suspect population

Production Dates : FEB 10, 2017 - FEB 25, 2022

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential**Description of Defect :**

Description of the Defect : The positive battery cable to the inverter may chafe on the side skirts and over time, can result in an electrical short to ground and/or fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An electrical short to ground may result in a fire which can cause property damage, personal injury, or death.

Description of the Cause : The inverter cables were not routed according to Navistar's routing and clipping standards.

Identification of Any Warning that can Occur : Evidence of chafing on the inverter battery cable when the driver side skirt is removed. The chafing condition may not be possible to detect without removing the skirt.

Involved Components :

Component Name 1 : Power Inverter Kit

Component Description : Cable Kit

Component Part Number : P8081003SCR

Supplier Identification :

Component Manufacturer

Name : N/A - Installation Issue

Address : NR

NR

Country : NR

Chronology :

- 02/18/2022 – Navistar Product Integrity Group receives communication of a fire event on VIN MN064724.
- 2/23/2022 – Navistar inspects 5 units built with this inverter at a customer location. 2 of these units showed evidence of cable chafing.
- 02/24/2022 – Navistar Compliance, Engineering, and TSC initiates investigation to understand impact of the issue to the LT series vehicles. TSC quarantines all vehicles with this inverter system onsite.
- 2/25/2022 – Navistar inspects 2 more customer units in different locations. Neither one has evidence of chafing but found these vehicles cables routed differently than those inspected 02/23/2022.
- 03/01/2022 – Navistar Product Integrity Group inspects VIN MN064724. The area of origin was below the driver side floor, above the diesel emission fluid (DEF) tank and outboard of the vehicle frame rail. The cause was a positive battery cable to the inverter had shorted to the skirt frame.
- 03/01/2022 – Navistar inspected 8 more customer vehicles thought to be in the suspect population and found no chafing, however confirmed these were routed differently than the units inspected on 02/23/2022.
- 03/09/2022 – Navistar finalizes the suspect vehicle population.
- 03/10/2022 – Navistar declares a Safety Recall.

Description of Remedy :

- Description of Remedy Program :
- The remedy will involve replacing two or three inverter cable brackets and saddles with a newer design. Additionally, any cable found with damage will be replaced.
 - 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 brackets and saddles are a new design which more consistently secure and locate the cables compared to the recalled components.

Identify How/When Recall Condition was Corrected in Production : 03/11/2022 – TSC installs revised routing and clipping for all quarantined vehicles and for all future upfitting of Purkeys Inverter System.

Recall Schedule :

Description of Recall Schedule : It is estimated that the Customer and Dealer notification letters will be mailed by 05/16/2022.

Planned Dealer Notification Date : MAY 16, 2022 - MAY 16, 2022

Planned Owner Notification Date : MAY 16, 2022 - MAY 16, 2022

* NR - Not Reported