

Part 573 Safety Recall Report

22V-546

Manufacturer Name : Navistar, Inc.

Submission Date : AUG 03, 2022

NHTSA Recall No. : 22V-546

Manufacturer Recall No. : 22516



Manufacturer Information :

Manufacturer Name : Navistar, Inc.

Address : 2701 Navistar Drive

Lisle IL 60532

Company phone : 331-332-1590

Population :

Number of potentially involved : 8,483

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2021 International LT

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

- Descriptive Information :**
- The suspect population is identified by models equipped Cummins engines and feature codes 0008GXX, 0008GHJ and 0008GWY (high output alternators 275 to 375 amp output), 0016UZL and 0016VLN (no idle HVAC), or 008XDM and 008XLD (DC to AC power inverter).
 - The inclusive dates of manufacture were determined by when this combination of features went into production through when Navistar began use of a revised alternator ground connection point.
 - The vehicles in the suspect population were built with Cummins engines, and feature codes 0008GXX, 0008GHJ and 0008GWY (high output alternators 275 to 375 amp output), 0016UZL and 0016VLN (no idle HVAC), or 008XDM and 008XLD (DC to AC power inverter) and all similar vehicles not subject to this recall were not equipped with these feature combinations.
There are 8,223 LT series trucks in the suspect population.

Production Dates : DEC 15, 2015 - SEP 07, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2018-2021 International LoneStar
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : DIESEL

Descriptive Information : • The suspect population is identified by models equipped Cummins engines and feature codes 0008GXX, 0008GHJ and 0008GWY (high output alternators 275 to 375 amp output), 0016UZL and 0016VLN (no idle HVAC), or 008XDM and 008XLD (DC to AC power inverter).

• The inclusive dates of manufacture were determined by when this combination of features went into production through when Navistar began use of a revised alternator ground connection point.

• The vehicles in the suspect population were built with Cummins engines, and feature codes 0008GXX, 0008GHJ and 0008GWY (high output alternators 275 to 375 amp output), 0016UZL and 0016VLN (no idle HVAC), or 008XDM and 008XLD (DC to AC power inverter) and all similar vehicles not subject to this recall were not equipped with these feature combinations.

There are 260 LoneStar series trucks in the suspect population

Production Dates : JUL 21, 2017 - AUG 24, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : During high electrical demand, the cables that ground the batteries to the vehicle frame can carry the full system current and may result in excessively hot battery ground cables and in some cases, battery post separation.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Excessively hot battery ground cables can cause personal injury during battery maintenance repairs or a battery post that separates from the battery can result in engine shut down without warning and increase the risk of a vehicle crash.

Description of the Cause : The vehicle charging system wiring architecture resulted in the cables that ground the batteries to the frame rail to carry the majority of the alternator output current.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Not Applicable

Component Description : Not Applicable

Component Part Number : Not Applicable

Supplier Identification :

Component Manufacturer

Name : Not Applicable

Address : NR

NR

Country : NR

Chronology :

Chronology Exceeds maximum characters allowed and will be submitted as a miscellaneous document.

Description of Remedy :

- Description of Remedy Program :
- The remedy will involve replacing the alternator positive and ground cables with redesigned cables and moving the alternator ground connection point from the frame rail to the starter.
 - 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 alternator cables move the alternator ground cable to the starter ground connection where the recalled alternator cables connected the alternator ground cable to the vehicle frame.

Identify How/When Recall Condition was Corrected in Production : 09/07/2020 – Navistar manufacturing changed the alternator ground location from the vehicle frame to the starter ground cable connection to correct a “noise” issue which was later found to also provide a second battery ground path, lessening the current thru the cables that ground the batteries to the vehicle frame. This corrected the overheated battery ground condition.

Recall Schedule :

Description of Recall Schedule : It is estimated that the Customer and Dealer notification letters will be mailed by 09/26/2022.

Planned Dealer Notification Date : SEP 26, 2022 - SEP 26, 2022

Planned Owner Notification Date : SEP 26, 2022 - SEP 26, 2022

* NR - Not Reported