# Part 573 Safety Recall Report 20V-220

**Manufacturer Name :** Navistar, Inc.
**Submission Date :** APR 16, 2020
**NHTSA Recall No. :** 20V-220
**Manufacturer Recall No. :** None

## Manufacturer Information :

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

## Population :

Number of potentially involved : 23,299
Estimated percentage with defect : 10 %

## Vehicle Information :

Vehicle 1 : 2017-2021 IC Bus CE school bus
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : DIESEL
Descriptive Information :

- The suspect population is identified by International and IC Bus models equipped with Cummins B6.7 diesel engine with a fuel module option number FS90301 or FS90453 (fuel module with electric heater).
- As reported by Cummins in 20E-018, the affected engines are within three subsets that may contain the subject fuel heater. The first subset consists of engines built from 12/16/2015 to 02/25/2019 that are in the scope of NHTSA Recall 19E-020 (Cummins Safety Campaign C2127). The second subset of engines consists of engines built from 02/26/2019 to 11/04/2019 without a fuel heater; these engines were not subject to NHTSA Recall 19E-020, but some of these engines had the subject fuel heaters installed in the field as part of commercial actions (Cummins Campaign C2128 and ATC2278). The third subset consists of engines built with the subject fuel heater from 11/05/2019 to 03/24/2020.
- The vehicles in the suspect population were built with a Cummins B6.7 diesel engine with a fuel module option number FS90301 or FS90453 (fuel module with electric heater) or had the subject fuel heaters installed in the field as part of commercial actions (Cummins Campaign C2128 and ATC2278).

There are 23,299 CE buses in the suspect population

Production Dates : JUN 09, 2016 - MAR 31, 2020
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

## Description of Defect :

Description of the Defect : As reported by Cummins in 20E-018, excessive electrical heating within the fuel heater may cause plastic in the fuel heater to melt and potentially catch fire. It may also cause an engine stall.

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| FMVSS 1 : | NR |
| FMVSS 2 : | NR |
| Description of the Safety Risk : | As reported by Cummins in 20E-018, A fire, if undetected and uncontained, presents an increased risk of personal injury. An unexpected engine stall may increase the risk of a crash. |
| Description of the Cause : | As reported by Cummins in 20E-018, the cause is excessive electrical heating internal to the fuel heater. |
| Identification of Any Warning that can Occur : | None |

**Involved Components :**

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| Component Name 1 : | Element, heating |
| Component Description : | Fuel heater |
| Component Part Number : | Cummins P/N 5361659 |

**Supplier Identification :**

**Component Manufacturer**

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|---|---|
| Name : | Cummins, Inc. (Cummins) |
| Address : | 500 Jackson Street<br>Columbus INDIANA 47202 |
| Country : | United States |

**Chronology :**

02/04/2020 – Cummins receives the first field report of a melted fuel heater on an engine that had a remedy completed under NHTSA Recall 19E-040. 02/05/2020 thru 02/07/2020 – Cummins sent an engineering team to the site of the reported melted fuel heater to investigate the failure. The team confirmed that the remedy had been properly performed. During this investigation, Cummins became aware of two additional reports of melted fuel heaters. 02/07/2020 – Navistar was informed of three failures that happened in New York.
02/08/2020 thru 02/25/2020 – Cummins investigated the issue, including completing tear-down analysis of the returned fuel heaters. During this time, Cummins received a total of five melted heaters returned from the field.
02/26/2020 – Cummins conducted a Product Safety Hazard Analysis and concluded that there was insufficient information to determine that the fuel heaters contained a safety defect. The recommendation was to continue to investigate the issue.
02/26/2020 thru 03/10/2020 – Cummins continued the investigation, including analysis of four additional

melted fuel heaters returned to Cummins and conducting tests to understand the cause and the potential scope of the issue. 03/11/2020 – Cummins revisited the Product Safety Hazard Analysis with the additional information from the investigation. 03/24/2020 – Based upon the data collected and evaluation of the issue, Cummins decided to conduct a safety recall to address this condition. 03/25/2020 – Cummins reviews their investigation results indicating several reports of melted fuel heaters with Navistar. 03/31/2020 – Cummins informed Navistar that a 573 defect report was filed with NHTSA. 04/07/2020 – Navistar meets with Cummins to review their root cause analysis. Navistar finalizes the suspect vehicle population based on the engine build ranges stated above.

**Description of Remedy :**

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| Description of Remedy Program : | • Cummins will administer the campaign, notify customers, supply remedy, and provide quarterly completion reports as outlined in Cummins' defect report 20E-018.<br>• Because Cummins is administering the campaign, any plan for pre-remedy reimbursement will be handled by Cummins. |
| How Remedy Component Differs from Recalled Component : | The fuel heater has been removed from the fuel module. |
| Identify How/When Recall Condition was Corrected in Production : | As reported by Cummins in 20E-018, on 03/24/2020, Cummins began engine production with the subject fuel heater removed from the engine. |

**Recall Schedule :**

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| Description of Recall Schedule : | • Navistar will supply Cummins with customer name and address information for notification letters by 04/15/2020. Cummins' will conduct the owner notifications. Provide the estimated date(s) on which dealer and distributor notifications will be issued and the estimated date (s) for completion of those notifications.<br>• Navistar will supply Cummins with dealer name and address information for notification letters by 04/15/2020. Cummins will provide the dealer notifications. |
| Planned Dealer Notification Date : | APR 30, 2020 - APR 30, 2020 |
| Planned Owner Notification Date : | APR 30, 2020 - APR 30, 2020 |

* NR - Not Reported