

Part 573 Safety Recall Report

20V-219

Manufacturer Name : Navistar, Inc.

Submission Date : APR 24, 2020

NHTSA Recall No. : 20V-219

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 : 27,421

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2017-2020 International DuraStar

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 Cummins fuel module option number FS90301 or FS90453 (fuel module with electric heater) and International trucks with feature code International Feature code 15LMS. This option is standard on all buses.
 - 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 Cummins 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 15,462 DuraStar models in the suspect population

Production Dates : MAY 25, 2016 - DEC 11, 2019

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2017-2020 International WorkStar
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 Cummins fuel module option number FS90301 or FS90453 (fuel module with electric heater) and International trucks with feature code International Feature code 15LMS. This option is standard on all buses.
 - 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 Cummins 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 834 WorkStar models in the suspect population

Production Dates : SEP 19, 2016 - DEC 04, 2019

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2018-2021 International MV

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 Cummins fuel module option number FS90301 or FS90453 (fuel module with electric heater) and International trucks with feature code International Feature code 15LMS. This option is standard on all buses.
 - 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 Cummins 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 9,891 MV models in the suspect population

Production Dates : MAR 28, 2017 - MAR 31, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2018-2021 International HV

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 Cummins fuel module option number FS90301 or FS90453 (fuel module with electric heater) and International trucks with feature code International Feature code 15LMS. This option is standard on all buses.
 - 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 Cummins 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 648 HV models in the suspect population

Production Dates : MAR 28, 2017 - MAR 31, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 5 : 2018-2019 IC Bus 1300 FBC commercial 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 Cummins fuel module option number FS90301 or FS90453 (fuel module with electric heater) and International trucks with feature code International Feature code 15LMS. This option is standard on all buses.
 - 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 Cummins 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 272 1300 FBC models in the suspect population

Production Dates : APR 21, 2017 - AUG 23, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 6 : 2018-2021 IC Bus CE commercial 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 Cummins fuel module option number FS90301 or FS90453 (fuel module with electric heater) and International trucks with feature code International Feature code 15LMS. This option is standard on all buses.
 - 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 Cummins 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 88 CE models in the suspect population

Production Dates : JAN 30, 2017 - MAR 30, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 7 : 2018-2019 IC bus HC commercial 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 Cummins fuel module option number FS90301 or FS90453 (fuel module with electric heater) and International trucks with feature code International Feature code 15LMS. This option is standard on all buses.
 - 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 Cummins 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 190 HC models in the suspect population

Production Dates : MAR 28, 2017 - OCT 25, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 8 : 2019-2021 IC Bus TC commercial 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 Cummins fuel module option number FS90301 or FS90453 (fuel module with electric heater) and International trucks with feature code International Feature code 15LMS. This option is standard on all buses.
 - 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 Cummins 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 36 TC models in the suspect population

Production Dates : MAY 24, 2018 - MAR 06, 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.

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 :

Component Name 1 : Element, heating

Component Description : Fuel heater

Component Part Number : Cummins P/N 5361659

Supplier Identification :

Component Manufacturer

Name : Cummins, Inc. (Cummins)

Address : 500 Jackson Street
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 :

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.
- Because Cummins is administering the campaign, any plan for pre-remedy reimbursement will be handled by Cummins.

As reported by Cummins in their amended 573 for 20E-018, the remedy will consist of the following: (1) disabling the fuel heater by either installing a plug in place of the heater or otherwise rendering the fuel heater inoperable and (2) removing the fuse supplying electrical power to the fuel heater and installing a cover over the wire harness connector. This safety recall addresses the potential safety defect; however this repair will disable the fuel heater.

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 :

Description of Recall Schedule :

- Navistar will supply Cummins with customer name and address information for notification letters by 04/15/2020. As reported by Cummins in their amended 573 for 20E-018, Cummins will start mailing 577 letters on 05/01/2020

Planned Dealer Notification Date : MAY 01, 2020 - MAY 01, 2020

Planned Owner Notification Date : MAY 01, 2020 - MAY 01, 2020

* NR - Not Reported