

Part 573 Safety Recall Report

19E-020

Manufacturer Name : Cummins Inc.

Submission Date : MAR 04, 2019

NHTSA Recall No. : 19E-020

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Cummins Inc.

Address : 500 Jackson Street

Columbus IN 47202-3005

Company phone : 812-377-5000

Population :

Number of potentially involved : 42,549

Estimated percentage with defect : 10 %

Equipment Information :

Brand / Trade 1 : Cummins

Model : B6.7

Part No. : D313029BX03

Size : NR

Function : NR

Descriptive Information : Medium duty diesel engine used in school buses, trucks and emergency vehicles and equipped with a fuel module option number FS90301 or FS90453. The fuel module contains an electric fuel heater.

Production Dates : DEC 14, 2016 - FEB 25, 2019

Description of Defect :

Description of the Defect : Internal electrical arcing within the fuel heater may create sufficient heat inside the fuel heater to 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 : 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 : The cause is electrical arcing internal to the fuel heater.

Identification of Any Warning that can Occur : Melting of the fuel heater may be visible during a service event, smoke may precede or accompany a fire or the engine may become increasingly difficult to start.

Supplier Identification :**Component Manufacturer**

Name : DBK David + Baader GmbH
Address : Nording 26
Rulzheim FOREIGN STATES 76761
Country : Germany

Chronology :

July – December 2018 – Cummins conducted an investigation into warranty claims primarily related to reports of hard-start/no-start in the subject engines. During this time, Cummins conducted a root cause analysis with the fuel heater supplier, including analysis of warranty claims and returned parts. While conducting this investigation, in October Cummins received parts from the field with reports of minor fires involving the fuel heater in two of the subject engines. (A previous fire, in October 2017, is now suspected to be related to this concern.)

January – February 2019 – By February 2019, Cummins had received a total of 123 warranty claims and 64 fuel heaters had been returned for analysis. There had been a total of six minor fires reported, all of which were contained to the fuel heater component or its immediate vicinity. Cummins conducted failure analysis on additional returned components and investigated the additional reports.

February 5-14, 2019: Cummins conducted a Product Safety Hazard Analysis based upon the information developed during the investigation.

February 26, 2019 – Based upon the data collected (including a report of one additional minor fire since the Product Safety Hazard Analysis was completed) and evaluation of the issue, Cummins decided to conduct a safety recall to address this condition. To date, there have been no reports of accidents or injuries related to this condition; each of the seven reported fires was contained to the immediate vicinity of the fuel heater.

Description of Remedy :

Description of Remedy Program : Cummins is developing the remedy program.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : On February 26, 2019, engine production began with the subject fuel heater removed from the engine.

Recall Schedule :

Description of Recall Schedule : With the OEM's agreement, Cummins will conduct the recall and notify owners. The timing of owner notification will be determined in consultation with the affected OEM. Owner notification will commence promptly after the receipt of the vehicle OEM's customer contact information.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Navistar International Transportation

Address : 2701 Navistar Drive

Lisle IL 60532

Country : US

Company Phone : 331 332 1590

* NR - Not Reported