

Part 573 Safety Recall Report

21E-032

Manufacturer Name : Cummins, Inc.

Submission Date : MAY 24, 2021

NHTSA Recall No. : 21E-032

Manufacturer Recall No. : C2423



Manufacturer Information :

Manufacturer Name : Cummins, Inc.

Address : Box 3005, Mail Code 41303
Columbus IN 47202-3005

Company phone : 812-377-5000

Population :

Number of potentially involved : 45,334

Estimated percentage with defect : 1 %

Equipment Information :

Brand / Trade 1 : Cummins Inc.

Model : ISX12

Part No. : D563025BX03

Size : NR

Function : Diesel engine

Descriptive Information : These engines are equipped with High Pressure Common Rail fuel systems which includes a high pressure fuel rail. The production begin and end dates were determined from the manufacturing and quality records that established the population of high pressure rails and engines that may contain the defect. The recall consists of engines installed in bus, school bus, emergency vehicle and recreational vehicles due to relatively low detectability of the potential hazard and relatively high vulnerability to potential injury in those applications.

Production Dates : JAN 02, 2017 - OCT 16, 2020

Brand / Trade 2 : Cummins Inc.

Model : L9

Part No. : D0K3003BX03

Size : N/A

Function : Diesel engine

Descriptive Information : These engines are equipped with High Pressure Common Rail fuel systems which includes a high pressure fuel rail. The production begin and end dates were determined from the manufacturing and quality records that established the population of high pressure rails and engines that may contain the defect. The recall consists of engines installed in buses, school buses, emergency vehicles, recreational vehicles and trailer-mounted generator sets due to relatively low detectability of the potential hazard and relatively high vulnerability to potential injury in those applications.

Production Dates : JAN 02, 2017 - OCT 16, 2020

Description of Defect :

Description of the Defect : The fuel rail assembly may develop leaks, which may result in an undetected prolonged diesel fuel spray.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A leak involving spraying/misting fuel in the presence of an ignition source may increase the risk of fire.

Description of the Cause : The rail end sealing bores in the fuel rail may have undersized pilot bores for the sealing washer, thus preventing the washer from properly seating, potentially resulting in inadequate load for the joint to remain properly sealed in service.

Identification of Any Warning that can Occur : The operator may see or smell diesel fuel. In some cases, the check engine lamp may illuminate.

Involved Components :

Component Name : Accumulator

Component Description : high pressure fuel rail assembly

Component Part Number : 4307034

Component Name : Accumulator

Component Description : high pressure fuel rail assembly

Component Part Number : 4307377

Supplier Identification :**Component Manufacturer**

Name : Senior Flexonics - Land Vehicles

Address : 300 East Devon Avenue
Bartlett Illinois 60103

Country : United States

Chronology :

February 10, 2021 – A field service technician reported to Cummins that eight buses belonging to a single customer had been repaired since December 2020 for leaks at sealing washers in the fuel rail.

February 11- March 1, 2021 – Cummins investigated the cause of the leaks with the supplier of the rail and began an investigation of field warranty claims. Cummins conducted an initial Product Safety Hazard Analysis.

March 3 – April 12, 2021 – Cummins escalated the issue through its Product Safety Defect Board process, gathered additional data and revised the Product Safety Hazard Analysis. Cummins issued a Technical Service Bulletin (TSB210055) on March 4, 2021 to allow the field to replace rails that have washer leaks with a different rail and their associated fuel lines. (TSB210055 was submitted to NHTSA on April 7, 2021 in accordance with 49 CFR Part 579.5.)

April 13, 2021 – Based upon the results of the investigation, Cummins' Product Defect Safety Board decided to conduct a safety campaign on engines installed in buses, school buses, emergency vehicle and recreational vehicle applications and certain other off-road applications, including generators.

May 19, 2021 - Cummins determined that 378 L9 engines that were mounted by Cummins Power Systems onto trailers for use in mobile generator set applications should be added to the recall population.

To date, there have been no reports of accidents, fires or injuries related to this condition.

Description of Remedy :

Description of Remedy Program : A recall-specific reimbursement plan will be provided in the Recall Portal for those units not covered by the manufacturer's limited warranty.

The rail threads will be inspected for damage. If damage is found on the threads, the rail will be replaced with a rail of a different design. The fuel lines will also be replaced with lines of a different design if the rail is replaced. If no damage is found on the threads, new crush washers will be installed using a special tool.

How Remedy Component Differs from Recalled Component : For units having no thread damage, the technician will be instructed to place a paint dot somewhere on the rail to indicate that the repair has been completed. For units that do have thread damage, the replacement rail and fuel lines will have unique part numbers. The replacement rail and lines are also visibly different.

Identify How/When Recall Condition was Corrected in Production : The rail manufacturing statistical process control for the pilot bores was confirmed in control after October 19, 2020.

Recall Schedule :

Description of Recall Schedule : Cummins expects to notify affected OEMs no later than April 30, 2021. Cummins will conduct the recall and notify owners. The timing of owner notification will be determined in consultation with the affected OEMs. Cummins expects to begin sending interim notification letters on June 19, 2021 to owners for which Cummins has received owner addresses. When Cummins is ready to implement the remedy campaign, Cummins will notify all owners for which it has received owner information. Owners who previously received an interim letter notification will receive a second notification. Cummins anticipates mailing owner letters communicating the availability of the remedy during July 2021.

Planned Dealer Notification Date : JUN 24, 2021 - JUN 24, 2021

Planned Owner Notification Date : JUN 19, 2021 - 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 : Alexander Dennis Inc
Address : 130 Pippin Rd, Unit B
Vaughan, Ontario 00 L4K 4X9

Country : CA
Company Phone : 9735250630

Name : Temsa Skoda Sabanci Ulasim Araclari AS
Address : Sarihamzali Mahallesi, Turhan CEmal
Beriker Bulv. 563A Seyhan, Adana, +D19:G1901323 00

Country : TR
Company Phone : 3224410226

Name : Blue Bird Corporation
Address : 3920 Arkwright Road, Suite 200
Macon GA 31210

Country : US
Company Phone : 4788222371

Name : Daimler Trucks North America
Address : 4747 N. Channel Ave
Portland OR 97217

Country : US
Company Phone : 5037457385

Name : E-One
Address : 4161 SW 13th Street
Ocala FL 34474

Country : US
Company Phone : 3528615044

Name : Ferrara Fire Apparatus
Address : 27855 James Chapel Road
Holden LA 70744

Country : US
Company Phone : 80044390063011

Name : Gillig Corporation
Address : 451 Discovery Drive
Livermore CA 94551

Country : US
Company Phone : 5102643833

Name : HME, INC
Address : 1950 Byron Center Ave
Wyoming MI 49519
Country : US
Company Phone : 6165341463256

Name : Kenworth Motor Truck Co
Address : 10630 NE 38th Place
Kirkland WA 98033
Country : US
Company Phone : 4258285201

Name : KME
Address : One Industrial Complex
Nesquehoning PA 18240
Country : US
Company Phone : 5702732859

Name : Motor Coach Industries, LTD
Address : 1475 Clarence Ave
Winnepeg 00 MB R3T 1T5
Country : CA
Company Phone : 2042246707

Name : Navistar Int'l Transportation
Address : 2701 Navistar Drive
Lisle IL 60532
Country : US
Company Phone : 3313321590

Name : New Flyer Industries
Address : 711 Kernaghan Ave
Winnepeg 00 MB R2C3T4
Country : CA
Company Phone : 2042246707

Name : NOVATransit Bus
Address : 1000, Industriel Blvd
Saint-Eustache, Quebec 00 J7R 5A5
Country : CA
Company Phone : 4509746043

Name : Peterbilt Motors Company

Address : 3200 Airport Road
Denton TX 76202

Country : US

Company Phone : 9402202760

Name : Pierce Manufacturing, Inc.

Address : 2600 American Drive
Appleton WI 54912

Country : US

Company Phone : 9208323346

Name : Rosenbauer Motors

Address : 5190 260th Street
Wyoming MN 55092

Country : US

Company Phone : 6514627589

Name : Seagrave Fire Apparatus, LLC

Address : 105 East 12th Street
Clintonville WI 54929

Country : US

Company Phone : 71582321411910

Name : The Lyft Group

Address : 1541 Reynolds Road
Charlotte MI 48813

Country : US

Company Phone : 5177595793

Name : Sutphen Corporation

Address : 6450 Eiterman Road
Dublin OH 43016

Country : US

Company Phone : 6148891005

Name : Tiffin Motorhomes

Address : 105 2nd Street, NW
Red Bay AL 35582

Country : US

Company Phone : 2563563088

Name : Vanhool, NV

Address : Bernard Van Hoolstraat 58
Lier (Konishgshooikt) 00 BE-2500

Country : BE

Company Phone : 0323422732

Name : American Coach De Mexico

Address : Avienda Corredor Industrial 3R-2
Fraccionamiento Industrialm 43998 Cd. Sahagun, Hidalgo 00

Country : MX

Company Phone : 15537073078

Name : El Dorado

Address : 9670 Galena Street
Riverside CA 92509

Country : US

Company Phone : 9095919557349

Name : Higer Bus Company Limited

Address : No. 288 Suhong East Road, Industry Park
Suzhou, Jiangsu 00

Country : CN

Company Phone : 13962690264

Name : Irizar

Address : Zumarraga bidea, 8
Ormiaiztegi (Gipuzkoa) 00 20216

Country : ES

Company Phone : 0943809100

Name : Jiangxi KAMA Business Bus Co., Ltd

Address : No. 149 West Yuping Rd
Nanchang Economic Development Zone Jiangxi 00 330013

Country : CN

Company Phone : 13755681010

Name : Spartan Fire Chassis

Address : NR
00

Country : NR

Company Phone : 51758847006024

* NR - Not Reported