

Part 573 Safety Recall Report

24E-038

Manufacturer Name : Cummins, Inc.

Submission Date : MAY 21, 2024

NHTSA Recall No. : 24E-038

Manufacturer Recall No. : C7032



Manufacturer Information :

Manufacturer Name : Cummins, Inc.

Address : Box 3005

Mail Code COB118 Columbus IN

47202-3005

Company phone : 812-377-5000

Population :

Number of potentially involved : 230

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Cummins Inc

Model : L9

Part No. : D563027BX03

Size : N/A

Function : Diesel Engine

Descriptive Information : This recall covers certain Cummins L9 engines equipped with a remote Stage 2 fuel filter (Option Numbers FF90943 and FF90944), which includes two pressurized fuel hoses. The recall consists of the entire population of the engines built between the identified production dates that were equipped with certain fuel hose part numbers. The subject engines were sold to various OEMs for installation in Transit Buses and Recreational Vehicles. The production "Begin" and "End" dates provided herein are based on the dates listed on the affected engines' dataplates (the engine "build date").

Production Dates : NOV 07, 2022 - MAR 29, 2023

Description of Defect :

Description of the Defect : The remote fuel filter hoses installed on the subject engines can become separated from the fuel fitting resulting in fuel leaks and lack of fuel supply to the engine.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A fuel hose that becomes disconnected will result in an engine stall, increasing the risk of a crash. A fuel leak in the presence of an ignition source may increase the risk of a fire.

Description of the Cause : The subject hoses may have insufficient crimping of the connector, possibly resulting in insufficient hose retention.

Identification of Any Warning that can Occur : Persons operating in or around the vehicle may see smoke or other visible signs of a fuel leak or smell diesel fuel.

Involved Components :

Component Name : Hose, Fuel

Component Description : Fuel carrying hose with quick connect fittings

Component Part Number : 6316757 and 6316899

Supplier Identification :

Component Manufacturer

Name : N/A

Address : NR

NR

Country : NR

Chronology :

3/27/2024 – Cummins was informed of fuel leaks on the subject hoses during vehicle production by an OEM (Nova Bus).

3/27/2024 – 4/9/2024 – Cummins requested the failed parts from the OEM for failure analysis. Cummins initiated and completed an investigation into the cause of the leaks. A preliminary fault tree analysis identified insufficient crimping of the hose fitting as the most likely cause of leaks.

4/10/2024 – 4/29/2024 – Cummins continued to investigate the issue and determined that the cause of the fuel leaks was insufficient crimping of the connector.

4/29/24 - 5/1/24 – Cummins conducted a product safety investigation. A warranty search identified 15 warranty claims with failure dates between 6/9/2023 and 4/17/2024 for fuel leaks involving engines equipped with these options. Cummins conducted a Product Safety Hazard Analysis to evaluate the potential safety risk on fielded units.

05/7/2024 -5/14/2024 – Cummins escalated the issue through its Product Safety Defect Determination Process.

5/14/2024 – Based upon the results of the investigation, the Cummins Product Safety Defect Board decided to

conduct a safety campaign to address this condition. To date, there have been no reports of fires, accidents or injuries related to this issue.

Description of Remedy :

Description of Remedy Program : The remedy is to replace the two subject fuel hoses with hoses having improved connector crimps.

Cummins requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure would have been corrected under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant to 573.13.

How Remedy Component Differs from Recalled Component : The remedy component has an improved crimp and different date codes. Remedy hoses will have a date code of 230310 (YYMMDD format) and later.

Identify How/When Recall Condition was Corrected in Production : The condition was corrected in production on 4/1/23 with the introduction of an improved hose design with an increased crimp on the connector joint.

Recall Schedule :

Description of Recall Schedule : Cummins expects to notify the affected OEMs by 5/24/2024. Pending consultation and agreement with the affected OEMs, Cummins will conduct the recall, including sending owner notifications. The timing of owner notification will be determined in consultation with the OEMs. Cummins expects to release a safety campaign by July 11, 2024. In any event, Cummins expects to notify owners no later than 7/21/2024, pending availability of owner addresses from the OEMs.

Planned Dealer Notification Date : JUL 11, 2024 - JUL 11, 2024

Planned Owner Notification Date : JUL 21, 2024 - JUL 21, 2024

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 : Daimler Truck North America
Address : 4747 North Channel Ave,
Portland, OR 97217
Country : US
Company Phone : 5035744439

Name : Gillig Corporation
Address : 451 Discovery Drive
Livermore, CA 94551
Country : US
Company Phone : 5102643833

Name : New Flyer Industries Canada ULC
Address : 711 Kernaghan Ave.,
Winnipeg, 00 MB R2C3T4
Country : CA
Company Phone : 2042282942

Name : SHYFT GROUP
Address : 41280 Bridge Street
St. Novi, MI 48375
Country : US
Company Phone : 2698326290

Name : NOVATransit Bus
Address : 1000 boul. Industriel
St-Eustache (Qc) 00 J7R 5A5
Country : CA
Company Phone : 4383545580

Name : Temsa
Address : Sarihamzali Mah. Turhan Cemal Beriker Bu
01110 Seyhan/ADANA 00
Country : TR
Company Phone : 5062401901

* NR - Not Reported