

Part 573 Safety Recall Report

23E-055

Manufacturer Name : Cummins, Inc.**Submission Date :** AUG 09, 2023**NHTSA Recall No. :** 23E-055**Manufacturer Recall No. :** C2717**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 :** 1,135**Estimated percentage with defect :** 3 %**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 Number FF90942), 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 this remote fuel filter option. The subject engines were sold to various OEMs for installation on trucks 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 22, 2022 - FEB 28, 2023**Description of Defect :**

Description of the Defect : The remote fuel filter hoses installed on some of the subject engines may have been damaged during engine production, possibly resulting in a fuel hose becoming disconnected or leaking fuel.

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 : During production of certain engines within the recall population, the fuel

Identification of Any Warning that can Occur : hoses may have snagged on the pallet on the assembly line, causing damage to the hoses. The damage may have gone unnoticed. Persons operating in or around the vehicle may see smoke or other visible signs of a fuel leak. Persons operating in or around the vehicle may also smell diesel fuel.

Involved Components :

Component Name : Hose, Fuel

Component Description : Fuel carrying hose with quick connect fittings

Component Part Number : 6316754

Supplier Identification :

Component Manufacturer

Name : N/A

Address : NR

NR

Country : NR

Chronology :

1/12/23–Cummins was informed of leaks on the subject hoses during assembly at a PACCAR production facility. 1/12/23–3/3/23–Cummins completed an investigation into the cause of the leaks. Based upon a preliminary fault tree analysis that identified insufficient crimping as the most likely cause of leaks, on 3/3/23 Cummins implemented hoses with an improved connector crimp to increase the robustness of the hoses. 3/3/23–4/28/23–Cummins monitored the improvement. An additional leak with the improved hoses was reported to Cummins on 4/28/23 by an OEM customer that observed the leak during their assembly process. 4/28/23–5/10/23–Cummins continued to investigate the issue and determined that the cause was that the hoses may have snagged on the assembly pallet. 5/14/23–Cummins implemented an additional corrective action to prevent the snagging by controlling the hose routing during production and implemented a check for damaged hoses. 4/17/23–6/13/23–Cummins conducted a product safety investigation. A warranty search identified 52 claims with claim dates of 1/9/23–6/13/23 for leaks involving engines equipped with this option. Cummins confirmed that there had not been any field reports of leaks involving engines built after 3/3/23 when the improved hoses were implemented. Cummins also concluded that the improved hoses are sufficient to address the issue even if the improved hoses may have snagged on the pallet prior to 5/14/23 when the snagging corrective action was implemented. Cummins conducted a Product Safety Hazard Analysis to evaluate the potential safety risk on fielded units. 6/14/23–7/11/23 – Cummins escalated the issue through its Product Safety Defect Determination Process. 7/11/23 – 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 3/3/23 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 07/28/2023. 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 September 7, 2023. In any event, Cummins expects to notify owners no later than 9/15/2023, pending availability of owner addresses from the OEMs.

Planned Dealer Notification Date : SEP 07, 2023 - SEP 07, 2023

Planned Owner Notification Date : SEP 15, 2023 - SEP 15, 2023

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 : Peterbilt Motors Company

Address : 3200 Airport Rd
Denton TX 76202

Country : US

Company Phone : 9402202760

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

Country : US
Company Phone : 2563563088

Name : Kenworth Motor Truck Co
Address : 10630 NE 38th Place
Kirkland WA 98033

Country : US
Company Phone : 4258285201

Name : Grove Worldwide
Address : 1565 Buchanan Trail East
Shady Grove PA 17256

Country : US
Company Phone : 7175935234

Name : Autocar LLC
Address : 551 South Washington Street
Hagerstown IN 47346

Country : US
Company Phone : 7654896081

* NR - Not Reported