

Part 573 Safety Recall Report

22E-015

Manufacturer Name : Marion Body Works Inc.

Submission Date : MAR 01, 2022

NHTSA Recall No. : 22E-015

Manufacturer Recall No. : 20E-032



Manufacturer Information :

Manufacturer Name : Marion Body Works Inc.

Address : 211 West Ramsdell St.

Marion WI 54950

Company phone : 715-754-5261

Population :

Number of potentially involved : 3

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Cummins, Inc.

Model : L9

Part No. : DOK3003BX03

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

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.

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.

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 : MAR 03, 2022 - MAR 07, 2022

Planned Owner Notification Date : MAR 03, 2022 - MAR 07, 2022

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 : NR
Address : NR
NR
Country : NR
Company Phone : NR

* NR - Not Reported