

Part 573 Safety Recall Report

21V-580

Manufacturer Name : Sutphen Corporation**Submission Date :** SEP 15, 2021**NHTSA Recall No. :** 21V-580**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Sutphen Corporation

Address : 6450 Eiterman Rd

Dublin OH 43016

Company phone : 6148891005

Population :

Number of potentially involved : 604

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2017-2020 Sutphen Fire Truck

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Cummins 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 05, 2017 - OCT 05, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**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 1 : Accumulator

Component Description : high pressure fuel rail assembly

Component Part Number : 4307034

Component Name 2 : 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.

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

Description of Remedy :

Description of Remedy Program : Cummins has begun campaign #C2423, notifying all owners and scheduling repairs. This campaign will correct this condition by inspecting the rail threads for damage and, if damage found, replacing the rail and fuel lines. If no damage is found, new crush washers will be installed in the rail assembly using a special tool. The repair will be completed free of charge and most applications will require approximately 2.5 hours to complete. Vehicles are new and are covered under the manufacturer's warranty program.

How Remedy Component Differs from Recalled Component : NR

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 : AUG 30, 2021 - SEP 13, 2021

Planned Owner Notification Date : AUG 30, 2021 - SEP 13, 2021

* NR - Not Reported