

# Part 573 Safety Recall Report

## 21V-967

**Manufacturer Name :** Spartan Fire, LLC**Submission Date :** DEC 13, 2021**NHTSA Recall No. :** 21V-967**Manufacturer Recall No. :** 21017**Manufacturer Information :****Manufacturer Name :** Spartan Fire, LLC**Address :** 1541 Reynolds Road  
Charlotte MI 48813**Company phone :** 517-588-4700**Population :****Number of potentially involved :** 114**Estimated percentage with defect :** 1 %**Vehicle Information :****Vehicle 1 :** 2019-2022 Spartan Fire Gladiator and MetroStar**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES**Body Style :** OTHER**Power Train :** DIESEL

**Descriptive Information :** This recall is based on information supplied by Cummins. Cummins provided a list of engine serial numbers and spartan part numbers that may be affected. Spartan cross referenced the Cummins supplied list with Spartan part number build populations. The emergency response chassis cab affected by this recall are equipped with X12 engines supplied by Cummins. These engines are equipped with High Pressure Common Rail fuel systems. The recall consists of the entire population of engines equipped with a certain Injector Fuel Supply Tube (fuel tube) prior to implementation of corrective action.

**Production Dates :** JAN 28, 2019 - NOV 30, 2021**VIN Range 1 : Begin :**

NR

**End :** NR☐ Not sequential**Description of Defect :**

**Description of the Defect :** The fuel tubes between the fuel rail and the injector for cylinders 4, 5, and 6 may be susceptible to cracking, resulting in a high pressure fuel leak.

**FMVSS 1 :** NR**FMVSS 2 :** NR

**Description of the Safety Risk :** A high pressure fuel leak in the presence of an ignition source may increase the risk of a fire.

**Description of the Cause :** The subject fuel tubes (for cylinders 4, 5, and 6) are susceptible to cracking due to the metal fatigue failure resulting from the combination of vibration strain, assembly strain, and metal strength.

**Identification of Any Warning that can Occur :** Fuel leaks may be detected during maintenance. An operator may smell fuel or observe a mist due to the fuel leak.

## Involved Components :

Component Name 1 : Fuel injector tube

Component Description : Fuel injector tube from the fuel rail to the injector

Component Part Number : Unknown

## Supplier Identification :

### Component Manufacturer

Name : Cummins, Inc

Address : Box 3005

Mail Code 41303 Columbus Indiana 47202-3005

Country : United States

## Chronology :

Refer to NHTSA Recall 21E-099 for the Cummins chronology. Spartan Fire received communication from Cummins about recall 21E-099 for their X12 engines on December 6, 2021. An investigation was started and Spartan determined that a defect investigation report should be generated. On December 10, 2021, REV's senior leadership approved a voluntary recall for this issue.

## Description of Remedy :

Description of Remedy Program : For engines having 75 miles or less, the remedy will consist of adding vibration isolators to the fuel tubes; fuel tubes do not need to be replaced. For all other engines, the subject fuel tubes for cylinders 4, 5, and 6 (the rear half of the engine) will be replaced with new fuel tubes (having the same part number as the recalled components) and vibration isolators will be added to the fuel tubes. A recall-specific reimbursement plan will be provided on the Recall Portal for those units not covered by the manufacturer's limited warranty.

How Remedy Component Differs from Recalled Component : The replacement fuel tubes will also have vibration isolators. The fuel tube and vibration isolator combination will have a new part number.

Identify How/When Recall Condition was Corrected in Production : The injector alignment to the cylinder head was improved by implementing an improved alignment fixture during engine assembly and vibration isolators were added to the fuel tubes during engine assembly on November 2, 2021.

**Recall Schedule :**

Description of Recall Schedule : Spartan to notify the dealers a week before the owner notifications on January 17, 2021.

Planned Dealer Notification Date : JAN 10, 2022 - JAN 14, 2022

Planned Owner Notification Date : JAN 17, 2022 - JAN 21, 2022

\* NR - Not Reported