

# Part 573 Safety Recall Report

# 21V-956

**Manufacturer Name :** Autocar, LLC  
**Submission Date :** DEC 09, 2021  
**NHTSA Recall No. :** 21V-956  
**Manufacturer Recall No. :** ACX-2108 DC-2105

**Manufacturer Information :**

**Manufacturer Name :** Autocar, LLC  
**Address :** 551 S WASHINGTON STREET  
 HAGERSTOWN IN 47346  
**Company phone :** 7654895499

**Population :**

**Number of potentially involved :** 1,001  
**Estimated percentage with defect :** 100 %

**Vehicle Information :**

**Vehicle 1 :** 2019-2022 Autocar Xpedito  
**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES  
**Body Style :** OTHER  
**Power Train :** DIESEL

**Descriptive Information :** All Autocar units equipped with the suspect engines are included in this filing. The following copied from Cummins 21E099: These engines are equipped with High Pressure Common Rail fuel systems and sold for installation in mixer, truck, coach, emergency vehicle, refuse truck, recreational vehicle and crane applications. The recall consists of the entire population of engines equipped with a certain Injector Fuel Supply Tube (fuel tube) prior to the implementation of corrective action.

**Production Dates :** JUL 17, 2018 - SEP 08, 2021

**VIN Range 1 :** Begin : 5VCACLEFXKC228232 End : 5VCACLEF5NC237750  Not sequential

**Vehicle 2 :** 2020-2022 Autocar Legend  
**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES  
**Body Style :** OTHER  
**Power Train :** DIESEL

**Descriptive Information :** All Autocar units equipped with the suspect engines are included in this filing. The following copied from Cummins 21E099: These engines are equipped with High Pressure Common Rail fuel systems and sold for installation in mixer, truck, coach, emergency vehicle, refuse truck, recreational vehicle and crane applications. The recall consists of the entire population of engines equipped with a certain Injector Fuel Supply Tube (fuel tube) prior to the implementation of corrective action.

**Production Dates :** AUG 20, 2019 - AUG 17, 2021

**VIN Range 1 :** Begin : 5VCCCLEG6LC231616 End : 5VCCCLEJ5NC237793  Not sequential

**Description of Defect :**

Description of the Defect : Copied from Cummins 21E099: 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 : Copied from Cummins 21E099: A high pressure fuel leak in the presence of an ignition source may increase the risk of a fire.

Description of the Cause : Copied from Cummins 21E099: The subject fuel tubes (for cylinders 4, 5 and 6) are susceptible to cracking due to metal fatigue failure resulting from a combination of vibration strain, assembly strain and material strength.

Identification of Any Warning that can Occur : Copied from Cummins 21E099: 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 : Injector Fuel Supply Tube

Component Description : Fuel tube between fuel rail and fuel injector

Component Part Number : Cummins Part Number 5536516

Component Name 2 : Injector Fuel Supply Tube

Component Description : Fuel tube between fuel rail and fuel injector

Component Part Number : Cummins Part Number 5486389

Component Name 3 : Injector Fuel Supply Tube

Component Description : Fuel tube between fuel rail and fuel injector

Component Part Number : Cummins Part Number 3695190

**Supplier Identification :****Component Manufacturer**

Name : Cummins Inc.

Address : Box 3005 Mail Code 41303

Columbus Indiana 41303

Country : United States

## Chronology :

Autocar received notification from Cummins December 3, 2021. The following copied from Cummins 21E099:  
19Apr2021 – Cummins received a Technical Service Request for a leaking fuel tube on an X12 engine.  
19Apr-23Jul2021 – Cummins received additional reports of leaking fuel tubes on X12 engines and escalated the issue for further investigation. 23Jul2021 – Cummins initiated a Product Problem Solving (PPS) project to investigate the cause of the fuel tube leaks. Aug-Oct2021 – Cummins continued to investigate this issue, including obtaining and analyzing parts from the field, conducting testing to understand the cause of the failures and evaluating potential corrective action. As part of the investigation, Cummins identified 29 warranty claims for fuel tube fuel leaks (not all of which had cracked tubes) with a date range of March 6, 2020 through September 22, 2021 (as of September 22, 2021). 19Oct2021 – Cummins investigated a September 2021 fire on a vehicle equipped with an X12 engine. 25Oct2021 – Cummins identified a leak of the #5 cylinder fuel tube as the cause of the fire. 28Oct2023 – Cummins completed a Product Safety Hazard Analysis.  
1Nov-23Nov2021 – Cummins escalated the issue through its Product Safety Defect Board process. 23Nov2023 – 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 injuries due to this condition.

## Description of Remedy :

Description of Remedy Program : Copied from Cummins 21E099: 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 : Copied from Cummins 21E099: 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 : Copied From Cummins 21E099: 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 : The owner and dealer notifications will begin no later than February 7, 2022 and end February 8, 2022.

Planned Dealer Notification Date : FEB 07, 2022 - FEB 08, 2022

Planned Owner Notification Date : FEB 07, 2022 - FEB 08, 2022

\* NR - Not Reported