

Part 573 Safety Recall Report

22V-032

Manufacturer Name : Pierce Manufacturing

Submission Date : APR 18, 2022

NHTSA Recall No. : 22V-032

Manufacturer Recall No. : Cummins 21E-099



Manufacturer Information :

Manufacturer Name : Pierce Manufacturing

Address : 2600 American Drive
P.O. BOX 2017 Appleton WI
54912-2017

Company phone : 920-832-3000

Population :

Number of potentially involved : 243

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2015-2021 Pierce Arrow XT, Enforcer, Quantum and Velocity

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : This recall is based on information provided to Pierce Mfg by Cummins Inc. Cummins provided a list of their X12 engines supplied to Pierce Mfg that may be subject to a Cummins product recall.

Production Dates : MAR 31, 2017 - MAY 14, 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 metal fatigue failure resulting from a combination of vibration strain, assembly strain and material 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 : Injector Fuel Supply Tube

Component Description : Fuel Tube Between Fuel Rail & Fuel Injector

Component Part Number : 5536516

Component Name 2 : Injector Fuel Supply Tube

Component Description : Fuel Tube Between Fuel Rail & Fuel Injector

Component Part Number : 5486389

Component Name 3 : Injector Fuel Supply Tube

Component Description : Fuel Tube Between Fuel Rail & Fuel Injector

Component Part Number : 3695190

Supplier Identification :

Component Manufacturer

Name : Cummins, Inc

Address : 301 Washington Street
Columbus Indiana 47202

Country : United States

Chronology :

Dec 2021 - Pierce Mfg received communication from Cummins about recall 21E-099 for their X12 engines.

Dec 2021 - Pierce Mfg identifies potentially affected population.

Dec 2021 - Pierce Mfg quarantines internal vehicles in process.

Jan 2022 - Pierce Mfg files recall notice to NHTSA.

Description of Remedy :

Description of Remedy Program : As excerpted from Cummins 21E-099: 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 to engines. 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 : Cummins notified affected OEMs no later than December 10, 2021. Cummins will conduct the recall and notify owners. The timing of owner notification will be determined in consultation with the affected OEMs and subject to availability of addresses from the affected OEMs. Cummins expects to mail interim owner notifications, subject to receipt of owner addresses from OEMs that elect to have Cummins handle notification, by January 28, 2022. Cummins expects to release the Safety Campaign with the remedy on or about February 18, 2022 and to send final owner notifications, subject to receipt of owner addresses from these OEMs, on or about March 11, 2022.

Planned Dealer Notification Date : FEB 18, 2022 - FEB 18, 2022

Planned Owner Notification Date : JAN 28, 2022 - JAN 28, 2022

* NR - Not Reported