

Part 573 Safety Recall Report

21V-971

Manufacturer Name : Motor Coach Industries

Submission Date : FEB 08, 2022

NHTSA Recall No. : 21V-971

Manufacturer Recall No. : R21-028



Manufacturer Information :

Manufacturer Name : Motor Coach Industries

Address : 200 East Oakton Street
Des Plaines IL 60018

Company phone : 1-800-241-2947

Population :

Number of potentially involved : 1,125

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2021 MCI D4000

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall Population is based on the affected engine serial number listing supplied to MCI by Cummins Inc. in response to 21E-099.

Production Dates : DEC 01, 2020 - DEC 03, 2021

VIN Range 1 : Begin : 1M8SDMNA0MP016137 End : 1M8SDMNA2MP016320 ☒ Not sequential

Vehicle 2 : 2019-2022 MCI D4000ISTV

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall Population is based on the affected engine serial number listing supplied to MCI by Cummins Inc. in response to 21E-099.

Production Dates : MAR 14, 2019 - DEC 03, 2021

VIN Range 1 : Begin : 1M81DMNA9KP015433 End : 1M8D3F915NP103891 ☒ Not sequential

Vehicle 3 : 2020-2021 MCI D4005

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall Population is based on the affected engine serial number listing supplied to MCI by Cummins Inc. in response to 21E-099.

Production Dates : SEP 23, 2019 - DEC 21, 2020

VIN Range 1 : Begin : 1M85DMNA0LP015582 End : 1M85DMNA8MP016125 ☒ Not sequential

Vehicle 4 : 2019-2021 MCI J4500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall Population is based on the affected engine serial number listing supplied to MCI by Cummins Inc. in response to 21E-099.

Production Dates : APR 18, 2019 - DEC 03, 2021

VIN Range 1 : Begin : 2MG3JMNA9KW069367 End : 2MG3JMNA3MW069948 ☒ Not sequential

Vehicle 5 : 2020-2021 MCI D4505

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall Population is based on the affected engine serial number listing supplied to MCI by Cummins Inc. in response to 21E-099.

Production Dates : AUG 21, 2019 - DEC 18, 2020

VIN Range 1 : Begin : 1M86DMNA9LP015472 End : 1M86DMNA6MP016127 ☒ Not sequential

Vehicle 6 : 2021-2021 MCI D4520

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall Population is based on the affected engine serial number listing supplied to MCI by Cummins Inc. in response to 21E-099.

Production Dates : AUG 02, 2021 - DEC 03, 2021

VIN Range 1 : Begin : 1M8D5W918MP083094 End : 1M8D5W911MP083096 ☒ Not sequential

Vehicle 7 : 2020-2022 MCI D45CRTLE

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall Population is based on the affected engine serial number listing supplied to MCI by Cummins Inc. in response to 21E-099.

Production Dates : AUG 29, 2019 - DEC 03, 2021

VIN Range 1 : Begin : 1M8ZDMNA7LP081015 End : 1M8D4W910NP103651 ☒ Not sequential

Vehicle 8 : 2019-2022 MCI D4500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Recall Population is based on the affected engine serial number listing supplied to MCI by Cummins Inc. in response to 21E-099.

Production Dates : FEB 05, 2019 - DEC 03, 2021

VIN Range 1 : Begin : 1M8PDMNA2KP015333 End : 1M8D2W917NW104839 ☒ Not sequential

Description of Defect :

Description of the Defect : On Cummins 2017-2021 MY X12 diesel engines, 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. Please refer to 21E-099.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A high pressure fuel leak in the presence of an ignition source increases 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. Please refer to 21E-099

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 and fuel injector

Component Part Number : Cummins PN 5536516

Component Name 2 : Injector Fuel Supply Tube

Component Description : Fuel tube between fuel rail and fuel injector

Component Part Number : Cummins PN 5486389

Component Name 3 : Injector Fuel Supply Tube

Component Description : Fuel tube between fuel rail and fuel injector

Component Part Number : Cummins PN 3695190

Supplier Identification :

Component Manufacturer

Name : Cummins Inc.

Address : 301 Washington Street

Mail Code 41303 Columbus Indiana 47202-3005

Country : United States

Chronology :

On 6 December 2021 Cummins Inc. advised Motor Coach Industries (MCI) that Equipment Recall 21E-099 had been declared with NHTSA. Cummins provided a listing of affected Engine Serial Numbers (ESN) sold to MCI. MCI began cross-matching ESN's to Vehicle Identification Numbers.

On 8 December 2021 the MCI Vehicle Safety Committee determined that a vehicle recall would be declared with NHTSA and Transport Canada.

On 15 December 2021 MCI declared a Vehicle Recall with NHTSA.

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 to engines. Cummins Inc. is paying parts and labor to accomplish this corrective action. Once parts are available, customers will receive written notification from Cummins Inc. describing how to get this corrective action incorporated on their vehicles at no cost by any authorized Cummins dealer.

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 :	Cummins has identified the first engine shipped to MCI which has the corrective action implemented as ESN 75099185. All 2017-2021 MY Cummins X12 engine recieved prior to that will be subject to corrective action prior to shipping/installation.
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Recall Schedule :

Description of Recall Schedule :	MCI does not have a dealer network. MCI will coordinate with Cummins for owner notification. Owner notification is anticipated to begin in January of 2022.
Planned Dealer Notification Date :	JAN 28, 2022 - JAN 28, 2022
Planned Owner Notification Date :	JAN 28, 2022 - FEB 04, 2022

* NR - Not Reported