

Part 573 Safety Recall Report

21V-063

Manufacturer Name : Motor Coach Industries

Submission Date : FEB 10, 2021

NHTSA Recall No. : 21V-063

Manufacturer Recall No. : R21-003



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 : 1,229

Estimated percentage with defect : 60 %

Vehicle Information :

Vehicle 1 : 2018-2021 MCI J4500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : A determination was made that electrical power cables in the vehicle battery compartment may not be installed in accordance with the production installation drawings. Installations were traced back to a specific manufacturing facility. All vehicles inspected which were manufactured prior to October 2017 were built to print and require no corrective action.

Production Dates : OCT 11, 2017 - DEC 23, 2020

VIN Range 1 : Begin : 2MG3JM8A6JW068400 End : 2MG3JMNA3MW069948 Not sequential

Vehicle 2 : 2018-2020 MCI D45CRTLE

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : A determination was made that electrical power cables in the vehicle battery compartment may not be installed in accordance with the production installation drawings. Installations were traced back to a specific manufacturing facility. All vehicles inspected which were manufactured prior to October 2017 were built to print and require no corrective action.

Production Dates : AUG 22, 2019 - DEC 22, 2020

VIN Range 1 : Begin : 1M8ZDMBA9KP081004	End : 1M8ZDMBA7LP081083	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin : 1M8ZDMNAXLP081087	End : 1M8ZDMNA3LP081089	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin : 1M8ZDMBA9KP081004	End : 1M8ZDMBA7LP081083	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin : 1M8ZDMNAXLP081087	End : 1M8ZDMNA3LP081089	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin : 2MGZDMBA7JW068691	End : 2MGZDMBA7JW068691	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin : 2MGZDMBAXJW068717	End : 2MGZDMBAXJW068717	<input type="checkbox"/> Not sequential
VIN Range 7 : Begin : 1M8ZDMBA9KP081004	End : 1M8ZDMBA7LP081083	<input type="checkbox"/> Not sequential
VIN Range 8 : Begin : 1M8ZDMNAXLP081087	End : 1M8ZDMNA3LP081089	<input type="checkbox"/> Not sequential

Description of Defect :

Description of the Defect : Improper power cable installation routing in the vehicle battery compartment may result in chaffing, increasing the potential for electrical fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If power cables are allowed to chaff there is a potential for electrical fire.

Description of the Cause : Power cables in the battery compartment may not have been installed in accordance with the installation drawing due to improper installation technique.

Identification of Any Warning that can Occur : Chaffing should be noticeable during periodic inspection of the compartment well before the potential for fire exists.

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

27 November 2020 – an offshore customer vehicle is damaged by fire.

A post vehicle fire inspection determined that some of the power cables in that vehicle had not been installed according to assembly instructions. This was traced back to harness installations conducted at our Winnipeg manufacturing facility.

From December 2020 to February 2021, MCI conducted visual inspections on a wide range of customer vehicles from different manufacturing facilities and time periods. The result of those inspections indicates that the installations in question began in October of 2017 on coaches which had the harnesses installed in Winnipeg. Older coaches examined did not exhibit the same potential problems.

In December 2020, several improvements were made into the assembly instructions for the installation and general routing of power cables located within the vehicle battery compartment. These were incorporated into production vehicles in January of 2021.

Additionally, an inspection and corrective action procedure (FCP491) to address those same production improvements is in development for customer coaches.

The scope of customer vehicles to be inspected/corrected was developed based on the visual inspections conducted by MCI of older vehicles.

On 3 February 2021 the Vehicle Safety Committee for MCI determined that this inspection and correction campaign would be conducted as a vehicle safety recall.

Description of Remedy :

Description of Remedy Program : The vehicles identified will be inspected and if necessary corrected by MCI to promote clearance for power cables in the battery compartment at no cost to the customer.

How Remedy Component Differs from Recalled Component : Remedied vehicles will be in accordance with installation instructions and inspection instructions FCP 491 with regards to battery compartment cable routing to promote clearance and prevent chaffing issues.

Identify How/When Recall Condition was Corrected in Production : Improvements to installation instructions as well as a review of installation technique were incorporated into MCI production in January of 2021.

Recall Schedule :

Description of Recall Schedule : Customer notifications will be issued within 30 of ODI acknowledgment of this recall and approval of the sample customer letter, or within 60 days of this recall being posted, which ever comes first. No Dealer Notification will occur.

Planned Dealer Notification Date : MAR 10, 2021 - MAR 10, 2021

Planned Owner Notification Date : MAR 10, 2021 - MAR 12, 2021

* NR - Not Reported