

# Part 573 Safety Recall Report

## 20V-233

**Manufacturer Name :** Motor Coach Industries

**Submission Date :** APR 27, 2020

**NHTSA Recall No. :** 20V-233

**Manufacturer Recall No. :** SB 481



### 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 :** 2,272

**Estimated percentage with defect :** 10 %

### Vehicle Information :

**Vehicle 1 :** 2014-2019 MCI J4500

**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES

**Body Style :** OTHER

**Power Train :** DIESEL

**Descriptive Information :** The recall involves potential failure of front brake hoses due to routing and clamping of the brake hose. The recall population was determined by starting with the first production vehicle that had an independent front suspension design, and ending with the last vehicle built immediately prior to MCI correcting the issue in production. The recall population was determined by starting with the first production vehicle of each of the models that had an independent front suspension design, and ending with the last vehicle of each model built immediately prior to MCI correcting the issue in production. The middle clamp on the remedied vehicles will be rotated by 180 degrees on its mounting bracket, thereby eliminating an "S" bend in the brake hose on the recalled vehicles, reducing loading on the hose during suspension articulation.

**Production Dates :** APR 22, 2014 - JUL 08, 2019

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

Vehicle 2 : 2018-2019 MCI J3500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

**Descriptive Information :** The recall involves potential failure of front brake hoses due to routing and clamping of the brake hose. The recall population was determined by starting with the first production vehicle that had an independent front suspension design, and ending with the last vehicle built immediately prior to MCI correcting the issue in production. The recall population was determined by starting with the first production vehicle of each of the models that had an independent front suspension design, and ending with the last vehicle of each model built immediately prior to MCI correcting the issue in production. The middle clamp on the remedied vehicles will be rotated by 180 degrees on its mounting bracket, thereby eliminating an "S" bend in the brake hose on the recalled vehicles, reducing loading on the hose during suspension articulation.

**Production Dates :** JUN 25, 2018 - JUN 24, 2019

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

#### Description of Defect :

**Description of the Defect :** Due to their routing and clamping orientation, the brake hoses on affected vehicles may crack or otherwise fail, resulting in air leaking from the hose.

**FMVSS 1 :** 121 - Air brake systems

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the brake hose leaks, it could cause a delay in the actuation time of the front brake, which could increase vehicle stopping distance and potentially result in an accident causing injury, and could result in a non-compliance with FMVSS 121.

**Description of the Cause :** Hose routing and clamping orientation.

**Identification of Any Warning that can Occur :** Brake hose leaking potentially can be heard when the vehicle is stopped and the brakes are actuated

#### Involved Components :

**Component Name 1 :** Brake hose assembly

**Component Description :** brake hose assembly

**Component Part Number :** 04-20-1817

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

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

In July 2017, MCI commenced a recall (17V-360) of model year 2014-2017 MCI J4500 vehicles with an independent front suspension, due to leaking front brake hoses resulting from over-torquing of the hose routing clamps. Subsequently, MCI received reports of brake hose failures on some vehicles that had been remedied under the recall, as well as some vehicles manufactured after revised clamp-torquing procedures had been implemented in production in May 2017, and prior to MCI implementing a production change in clamp-orientation in July 2019. On April 20, 2020, MCI decided to conduct a recall of the vehicles that were subject to recall 17V-360, as well as additional affected vehicles manufactured prior to the production change in clamp-orientation in July 2019.

**Description of Remedy :**

Description of Remedy Program : MCI will issue a bulletin advising owners of affected vehicles to inspect the brake hoses, and replace any hoses that are leaking or otherwise damaged. MCI will reimburse owners for the cost of the inspection, and will provide replacement parts as necessary, at no cost to owners.

How Remedy Component Differs from Recalled Component : The middle clamp on the remedied vehicles will be rotated by 180 degrees on its mounting bracket, thereby eliminating an "S" bend in the brake hose on the recalled vehicles, reducing loading on the hose during suspension articulation.

Identify How/When Recall Condition was Corrected in Production : Production was corrected by changing the middle clamp orientation on units delivered approximately after July 8, 2019.

**Recall Schedule :**

Description of Recall Schedule : MCI will mail customer notification letters and service bulletins within seven (7) days after NHTSA approval.

Planned Dealer Notification Date : MAY 15, 2020 - MAY 15, 2020

Planned Owner Notification Date : MAY 15, 2020 - MAY 15, 2020

\* NR - Not Reported