

Part 573 Safety Recall Report

17V-360

Manufacturer Name : Motor Coach Industries

Submission Date : JUN 02, 2017

NHTSA Recall No. : 17V-360

Manufacturer Recall No. : SB 454



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 : 1,100

Estimated percentage with defect : 20 %

Vehicle Information :

Vehicle 1 : 2014-2017 MCI J4500

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall involves model year 2014 to 2017 MCI J4500 motor coaches with a ZF front axle.

Production Dates : APR 22, 2014 - MAY 09, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : Due to over-torquing of the front brake hose routing clamps on some vehicles, the brake hose may become distorted and sustain damage to the hose wall reinforcement. If the brake hose wall reinforcement is damaged, the brake hose can then can leak. 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 result in a non-compliance with FMVSS 121.

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : The front brake hose leaking could cause a delay in front brake actuation, which could increase vehicle stopping distance.

Description of the Cause : Over-torquing of the front brake hose routing clamps.

Identification of Any Warning that can Occur : The vehicle operator might hear the brake hose leaking if the vehicle is stopped and the brakes are actuated.

Supplier Identification :**Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

Chronology :

On March 2, 2017, MCI received a report that a customer's J4500 coach had been placed out of service due to the front brake hoses leaking. MCI inspected other vehicles in the field and discovered that additional units had leaking front brake hoses. MCI sent samples of the failed hoses to the hose supplier for analysis and cause determination. Based MCI's internal review of its installation processes and the hose supplier's input as to the cause of the failures, MCI determined that the failures were caused by over-torquing the routing clamps and causing damage to the hose wall reinforcement. In April and May 2017 MCI conducted further analysis to see if the amount of brake hose leakage could be measured if the leakage were not found by the operator. However, since MCI was not able to determine the maximum hose leakage that could occur and its consequent effect on brake timing, MCI decided to conduct a vehicle recall based on potential non-compliance with FMVSS 121.

Description of Remedy :

Description of Remedy Program : MCI will inspect the brake hoses on the affected vehicles and provide replacement parts as necessary, at no cost to the vehicle owners.

How Remedy Component Differs from Recalled Component : Any replacement clamps will be properly torqued, and any replacement hoses will not have the damaged wall reinforcement.

Identify How/When Recall Condition was Corrected in Production : MCI implemented revised procedures to ensure proper claim torquing in production on May 9, 2017.

Recall Schedule :

Description of Recall Schedule : MCI will mail customer notification letters and service bulletins within one week after NHTSA approval.

Planned Dealer Notification Date : JUN 16, 2017 - JUN 16, 2017

Planned Owner Notification Date : JUN 16, 2017 - JUN 16, 2017

* NR - Not Reported