

# Part 573 Safety Recall Report

# 23V-240

**Manufacturer Name :** Motor Coach Industries

**Submission Date :** APR 05, 2023

**NHTSA Recall No. :** 23V-240

**Manufacturer Recall No. :** NR



## 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 :** 140

**Estimated percentage with defect :** 100 %

## Vehicle Information :

**Vehicle 1 :** 2019-2021 Motor Coach Industries D45CRTLE, J3500, J4500

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

**Body Style :** OTHER

**Power Train :** NR

**Descriptive Information :** Recall population was determined based on coaches that received an optional rear mounted bike rack. Coaches without an optional bike rack are not affected.

**Production Dates :** AUG 01, 2019 - MAY 31, 2022

**VIN Range 1 :** Begin : 1M8ZDMBA9KP081004 End : 1M8ZDMNAXMP081141  Not sequential

## Description of Noncompliance :

**Description of the Noncompliance :** On coaches with rear mounted bike racks, inward lighting angles required by FMVSS 108.

**FMVSS 1 :** 108 - Lamps, reflective devices, and assoc. Equipment

**FMVSS 2 :** NR

**Description of the Safety Risk :** Rear illumination and visibility for approaching traffic may be reduced with bikes installed on the rack. Reduced visibility may increase the likelihood of a crash.

**Description of the Cause :** With bikes installed on the bike rack, the bike frame/seat/etc. block the inward angle illumination requirements of FMVSS 108.

**Identification of Any Warning that can Occur :** No known pre-warning.

## Involved Components :

Component Name 1 : INSTL-SWINGLOCK BIKE RACK

Component Description : Bike rack, rear mount, 5 position

Component Part Number : 951488

## Supplier Identification :

### Component Manufacturer

Name : Motor Coach Industries

Address : NR

Des Plaines Illinois

Country : United States

## Chronology :

- Late 2022, MCI receives a request from a customer to install a 5-position bike rack on the rear of the coach
- February 2023, as design releases occur, it was noted there was a missing validation report for FMVSS 108 with the bike rack installed.
- Early-March 2023 MCI arranges for an outside test facility to check lighting with the rack installed to FMVSS 108.
- Mid-March 2023 – testing indicated likely non-compliance when bikes are mounted on the rack, where the inward angle lighting was impacted, in noncompliance with 108 6.1.3 Mounting location,  
---6.1.3.1, "...complies with all photometric requirements...with all obstructions considered."
- March 24, 2023 – analysis continues on the lighting angle candela readings via coach CAD models
- March 27, 2023 – engineering determined the bikes, as mounted, are deemed "obstructions" and would affect the inboard angle requirements.
- March 31, 2023 – issue was raised to the Vehicle Safety Committee where a recall determination was made

## Description of Remedy :

Description of Remedy Program : Motor Coach Industries (MCI) will provide instructions and a kit to add lighting to the bike rack to ensure compliance when bikes are loaded to the rack.

MCI will perform the installation of the kit for customers. If customers perform the installation, MCI will reimburse through our normal Warranty process.

How Remedy Component Differs from Recalled Component : The additional lights will be noticeable on the racks - currently no racks are equipped with ancillary lights.

Identify How/When Recall Condition was Corrected in Production : Current production will have the lighting kit installed prior to delivery to customers.

**Recall Schedule :**

Description of Recall Schedule : MCI plans to issue recall letters in May 2023 once the final kit is validated and material is available.

Planned Dealer Notification Date : MAY 01, 2023 - MAY 31, 2023

Planned Owner Notification Date : MAY 01, 2023 - MAY 31, 2023

\* NR - Not Reported