

# Part 573 Safety Recall Report

# 24V-007

**Manufacturer Name :** Marion Body Works Inc.

**Submission Date :** FEB 07, 2024

**NHTSA Recall No. :** 24V-007

**Manufacturer Recall No. :** 23V-631



## Manufacturer Information :

**Manufacturer Name :** Marion Body Works Inc.

**Address :** 211 West Ramsdell St.

Marion WI 54950

**Company phone :** 715-754-5261

## Population :

**Number of potentially involved :** 2

**Estimated percentage with defect :** 100 %

## Vehicle Information :

**Vehicle 1 :** 2024-2024 Spartan Fire MetroStar

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

**Body Style :** OTHER

**Power Train :** DIESEL

**Descriptive Information :** The basis for this recall population are emergency response cab chassis equipped with a Wabco inversion valve - Metro Star 2024 model year trucks affected.

**Production Dates :** JAN 01, 2023 - JUN 14, 2023

**VIN Range 1 : Begin :** 4S9CT2D91RC560877 **End :** 4S9CT2D92RC560726  Not sequential

## Description of Defect :

**Description of the Defect :** A defect in the inversion valve may cause the park brake engagement to be intermittently delayed. As such, these vehicles may fail to comply with the requirements of Federal Motor Vehicle Safety Standard (FMVSS) number 121, "Air Brake Systems".

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

**FMVSS 2 :** NR

**Description of the Safety Risk :** If this condition exists, the park brake may not be applied within 3 seconds, resulting in inadvertent vehicle movement and possible injury.

**Description of the Cause :** The inversion valve was determined to be out of specification, but confirmation of root cause is still under investigation.

**Identification of Any Warning that can Occur :** The issue would be detectable by not hearing the audible set.

## Involved Components :

Component Name 1 : Inversion Valve

Component Description : NR

Component Part Number : Spartan PN: 1617-MM5/Wabco PN: 9718990020

## Supplier Identification :

### Component Manufacturer

Name : Wabco/ZF Group

Address : 12001 Tech Center Drive

Livonia Michigan 48150

Country : United States

## Chronology :

August 12, 2022 – January 18, 2023 – Internal production intermittent, non-repeatable issues being investigated.

January 19, 2023 – Spartan received notice from Final Stage Manufacturer of repeatable potential delay when engaging the park brake.

January 23 – August 31, 2023 – Spartan worked with Wabco to investigate the issue, created a PSR team, quality alert, as well as conducted a risk assessment. Wabco and their supplier completed various types of inspections and testing on returned parts. (Chronology details will be provided in a separate document).

August 31, 2023 - Reviewed warranty one last time and found recent claims found at the end user. Therefore, the PSR team conducted another risk assessment.

September 5, 2023 – Spartan escalated the issue to REV Group Management.

September 6, 2023 – Stop ship issued.

September 7, 2023 – REV's senior leadership approved a voluntary recall for this issue.

December 19, 2023 - Marion Body Works was issued a safety recall notice from Spartan.

January 8, 2024 - Marion Body Works submitted a safety recall to NHTSA.

## Description of Remedy :

Description of Remedy Program : The affected vehicles will have the inversion valve replaced with a certified inversion valve. The vehicles that have been remedied would have been covered through the normal warranty process

How Remedy Component Differs from Recalled Component : The certified valve that will replace the recalled component went through the supplier's inspection process to identify the part defect. The certified valve would have a green mark on the data tag.

**Identify How/When Recall Condition was Corrected in Production :** The supplier implemented a test to identify defects, the test is validated with a red rabbit part (known to be out of spec part). The supplier certified parts were implemented into Spartan production as of June 7, 2023. Ongoing root cause effort and making corrective action changes as necessary at the supplier.

**Recall Schedule :**

**Description of Recall Schedule :** Marion Body Works will begin dealer and customer notifications by the week of January 22, 2024.  
**Planned Dealer Notification Date :** JAN 22, 2024 - JAN 26, 2024  
**Planned Owner Notification Date :** JAN 22, 2024 - JAN 26, 2024

\* NR - Not Reported