

# Part 573 Safety Recall Report

## 22V-025

**Manufacturer Name :** Rosenbauer America**Submission Date :** APR 15, 2022**NHTSA Recall No. :** 22V-025**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Rosenbauer America

Address : 5190 260th street

Wyoming MN 55092

Company phone : 6514621000

**Population :**

Number of potentially involved : 127

Estimated percentage with defect : 6 %

**Vehicle Information :**

Vehicle 1 : 2020-2021 Rosenbauer Warrior

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** Meritor is recalling certain 180 Series Drive Pinions which are installed in some Rosenbauer Commanders, Avengers and Warriors due to them possibly fracturing. If the air brake lines are exposed and in the proximity of the rear axle pinion, the fracture of the pinion may damage the brake drop hose which could unintentionally apply the parking brake without detection or brake lights coming on, possibly resulting in a crash. Rosenbauer worked with Meritor to identify which trucks received potentially faulty product and have expanded the population due to their findings with the production timeframe. Additionally, Meritor's data suggests that if the truck has more than 8496 miles, the pinion is not susceptible to fracture.

Production Dates : NOV 15, 2020 - MAR 22, 2022

VIN Range 1 : Begin : 54F2FB516LWM12870 End : 54F8JECH9MWM12938  Not sequential

Vehicle 2 : 2020-2022 Rosenbauer Commander

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** Meritor is recalling certain 180 Series Drive Pinions which are installed in some Rosenbauer Commanders, Avengers and Warriors due to them possibly fracturing. If the air brake lines are exposed and in the proximity of the rear axle pinion, the fracture of the pinion may damage the brake drop hose which could unintentionally apply the parking brake without detection or brake lights coming on, possibly resulting in a crash. Rosenbauer worked with Meritor to identify which trucks received potentially faulty product and have expanded the population due to their findings with the production timeframe. Additionally, Meritor's data suggests that if the truck has more than 8496 miles, the pinion is not susceptible to fracture.

Production Dates : NOV 15, 2020 - MAR 22, 2022

VIN Range 1 : Begin : 54F2DC719DWM10511 End : 54F8JECH9NWM13251  Not sequential

Vehicle 3 : 2020-2020 Rosenbauer Avengers

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** Meritor is recalling certain 180 Series Drive Pinions which are installed in some Rosenbauer Commanders, Avengers and Warriors due to them possibly fracturing. If the air brake lines are exposed and in the proximity of the rear axle pinion, the fracture of the pinion may damage the brake drop hose which could unintentionally apply the parking brake without detection or brake lights coming on, possibly resulting in a crash. Rosenbauer worked with Meritor to identify which trucks received potentially faulty product and have expanded the population due to their findings with the production timeframe. Additionally, Meritor's data suggests that if the truck has more than 8496 miles, the pinion is not susceptible to fracture.

Production Dates : NOV 15, 2020 - MAR 22, 2022

VIN Range 1 : Begin : 54F2DC719DWM10511 End : 54F8JECH9NWM13251  Not sequential

Vehicle 4 : 2013-2013 Rosenbauer Commander

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** Meritor is recalling certain 180 Series Drive Pinions which are installed in some Rosenbauer Commanders, Avengers and Warriors due to them possibly fracturing. If the air brake lines are exposed and in the proximity of the rear axle pinion, the fracture of the pinion may damage the brake drop hose which could unintentionally apply the parking brake without detection or brake lights coming on, possibly resulting in a crash. Rosenbauer worked with Meritor to identify which trucks received potentially faulty product and have expanded the population due to their findings with the production timeframe. Additionally, Meritor's data suggests that if the truck has more than 8496 miles, the pinion is not susceptible to fracture.

**Production Dates :** NOV 15, 2020 - MAR 22, 2022

**VIN Range 1 :** Begin : 54F2DC719DWM10511 End : 54F8JECH9NWM13251  Not sequential

## Description of Defect :

**Description of the Defect :** The drive pinion is possibly susceptible to fracturing due to the pinion and yoke spline interacting which may result in an overstress condition. The fracture of the pinion may hit the brake drop hose which may unintentionally apply the parking brake without detection or brake lights coming on, possibly resulting in a crash.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** A fractured drive pinion may contact the brake drop hose and unintentionally engage the parking brake without detection or without the brake lights activating, increasing the risk of a crash.

**Description of the Cause :** Meritor continues to investigate the root cause but it appears to be due to the assembly process regarding the straightening or bearing preload yoking process. They have modified processes and increased inspection practices.

**Identification of Any Warning that can Occur :** The driver may hear an audible noise and feel the vehicle slowing down due to loss of propulsion from the drive axle should the pinion fracture.

## Involved Components :

Component Name 1 : Rear Axle Carrier

Component Description : Pinion 180 Series

Component Part Number : NR

## Supplier Identification :

### Component Manufacturer

Name : Meritor

Address : NR

NR

Country : NR

## Chronology :

See attached chronology which will be uploaded as a miscellaneous document.

## Description of Remedy :

Description of Remedy Program : Rosenbauer will provide the remedy at free of charge to our customers and dealers. We will work with Meritor on any reimbursement. We will advise the customer and dealers to check their truck's mileage and if it's above 8496 miles, they can call ahead to their local Meritor authorized repair facility (that is typically a Kenworth, Freightliner, Commercial Truck dealer) to schedule the repair. They will need to provide some pertinent information like VIN, serial numbers, model numbers and mileage so that the repair facility can coordinate getting parts from Meritor to replace the carrier. They will also be asked to provide a photo of the air brake lines in proximity to the rear axle. Meritor or the repair shop will review the photos for exposure to a potentially fractured pinion and decide if a fracture could be sheltered from puncturing the brake lines and therefore eliminating the safety risk. Once the remedy is scheduled and complete, the customer will notify Rosenbauer by mailing us a prepaid posted postcard with the pertinent information. If the mileage is less than 8496 miles, they will need to notify Rosenbauer of the mileage and that they did not seek the remedy per our instructions. Any and all repairs will be provided to the customers free of charge. The repair shop who performs the remedy will file a claim directly to Meritor via their ontrac system.

**How Remedy Component Differs from Recalled Component :** The replaced carrier and parts will be from properly assembled and inspected product passing Meritor's additional QC inspections.

**Identify How/When Recall Condition was Corrected in Production :** Rosenbauer will continue to work with Meritor and Dealers to remedy the trucks in production prior to customer delivery. If the truck is already at the Dealer for Pre-Delivery Inspection, the Dealer will seek the remedy which is the same process that will be in our notification letters.

### Recall Schedule :

**Description of Recall Schedule :** Rosenbauer will start officially notifying Dealers on Tuesday April 19, 2022 with a list of their impacted trucks. At that time, owner notification letters will be revised with the new remedy details and then printing can start on Wednesday April 20, 2022 with the intent that letters are mailed to customers 7 days later. Rosenbauer realizes that this is more than 60 days after notification were due to the customers and that an interim letter should have been mailed. We were still working on the details with Meritor and they were solidified Thursday 4/14/22. We will work to rectify the problem within our systems to ensure that we can streamline interim notifications.

**Planned Dealer Notification Date :** APR 19, 2022 - APR 29, 2022

**Planned Owner Notification Date :** APR 19, 2022 - APR 29, 2022

\* NR - Not Reported