

# Part 573 Safety Recall Report

# 24V-905

**Manufacturer Name :** Pierce Manufacturing**Submission Date :** DEC 04, 2024**NHTSA Recall No. :** 24V-905**Manufacturer Recall No. :** 74B337**Manufacturer Information :**

Manufacturer Name : Pierce Manufacturing

Address : 2600 American Drive

P.O. BOX 2017 Appleton WI

54912-2017

Company phone : 920-832-3000

**Population :**

Number of potentially involved : 9

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2023-2024 Pierce Velocity, Enforcer, Quantum

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Certain MY 2023-2024 Pierce fire trucks are equipped with tires on the front steer axles that are not compatible with the wheels/rims. Vehicles that are not included in the recall population have conforming tire and wheel / rim combinations.

Production Dates : MAR 20, 2023 - MAY 22, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : The affected vehicles were produced with wheels / rims that are not suitable for the tire and do not meet the requirements of FMVSS 120. Tires were installed on 12 ¼" wheels instead of 13" wheels.

FMVSS 1 : 120 - Wheels and rims- other than passenger cars

FMVSS 2 : NR

Description of the Safety Risk : Tires which are incorrectly sized to their wheels / rims may impact the vehicle's performance and in an extreme case the tire may separate from the wheel, increasing the risk of a crash.

Description of the Cause : An error in the vehicle configuration system allowed the trucks to be produced with wheels / rims that are not suitable for the assigned tire.

Identification of Any Warning that can Occur : There is no known warning which may occur.

**Involved Components :**

Component Name 1 : Tire, Goodyear, 445-65R22.5, Armormax

Component Description : Tire

Component Part Number : 4179798

Component Name 2 : Tire, Michelin, 445-65R22.5, XZY3

Component Description : Tire

Component Part Number : 1444384

Component Name 3 : Rim, DISC, HA, 22.5x12.25, 4.68, Durablack

Component Description : Rim

Component Part Number : 3509084

Component Name 4 : Rim, DISC, HA, 22.5x12.25, 4.68

Component Description : Rim

Component Part Number : 3291646

## Supplier Identification :

### Component Manufacturer

Name : Pierce Manufacturing

Address : 2600 American Drive  
Appleton Wisconsin 54914

Country : United States

## Chronology :

November 12, 2024 – During an examination of a truck build validation report, a wheel / tire combination is observed where the wheel was of a size that was not included as part of the tire OEM's specifications. Pierce commences an investigation.

Pierce discovers that the tires installed on the front steer axle of certain trucks (using Goodyear and Michelin 445/65R 22.5 tires) were mounted to wheels which do not meet the tire OEM's wheel width requirements.

Pierce considers the impact, if any, of using this tire / wheel combination on vehicle performance and finds that in a worst-case scenario, there is a possibility of the tire separating from the wheel when using this specific

combination. Pierce's investigation also uncovered that the tire and wheel combination used on its vehicles previously had been an approved combination by the tire manufacturer, but the tire manufacturer changed its position on this combination in 2023. Thereafter, Pierce identifies in-process truck builds, as well as trucks already in the field for this incorrect wheel / tire combination.

November 23, 2024 - Pierce concludes that an FMVSS non-compliance exists and determines to file a corresponding recall.

## Description of Remedy :

**Description of Remedy Program :** Pierce will supply new front steer axle wheel / tire assemblies to the customer and will update the tire information label accordingly. The remedy will be provided at no charge. Vehicle owners who have paid for a remedy previously may be eligible for a reimbursement.

**How Remedy Component Differs from Recalled Component :** The wheel on the new wheel / tire assembly will be of a width which conforms to the tire manufacturer's specifications.

**Identify How/When Recall Condition was Corrected in Production :** Pierce made changes to its truck configuration system so that the affected sizes of Goodyear and Michelin tires can only be configured with properly sized wheels. All trucks in the build process are being or have been manually reviewed and any with incorrectly sized wheels are quarantined and corrected prior to leaving Pierce's production facility.

## Recall Schedule :

**Description of Recall Schedule :** Notifications to customers will be made via a customer letter. The 577 customer letter will be mailed pending NHTSA approval.

Any claims for pre-notification remedy reimbursement should be directed to Pierce for review.

**Planned Dealer Notification Date :** NR - NR

**Planned Owner Notification Date :** NR - NR

\* NR - Not Reported