

Part 573 Safety Recall Report

23V-407

Manufacturer Name : Pierce Manufacturing**Submission Date :** AUG 15, 2023**NHTSA Recall No. :** 23V-407**Manufacturer Recall No. :** 74B327**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 : 5

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2022 Pierce Ascendant Ladder & Platform on single rear axle Enforcer Chassis
 Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
 Body Style : 4-DOOR
 Power Train : DIESEL

Descriptive Information : Only Pierce Ascendant 107' Aerials and 110' Platforms with galvanized stabilizer beams are affected. The affected population is very limited due to the galvanized stabilizer beam option being introduced approximately 1 1/2 year ago.

Production Dates : SEP 21, 2016 - DEC 15, 2022

VIN Range 1 : Begin : NR End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Prior to galvanizing, the stabilizer beams on affected vehicles did not undergo a high heat stress relief process.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Without the stress relief process, the stabilizer beam weldment could allow for cracks to develop in the parent metal of the weldment. Should cracks develop and if allowed to propagate over time, the stabilizer beam may no longer provide sufficient stability when an aerial ladder or platform is elevated and may increase the risk of injury to persons on or near the ladder or platform.

Description of the Cause : Upon welding up the box structure of a stabilizer beam, and prior to galvanizing, the weldment must be stress relieved by heating the weldment to a high temperature. This stress relief process was not performed on the affected trucks with galvanized stabilizer beams.

Identification of Any Warning that can Occur : Cracks may be visible on the galvanized stabilizer beam prior to deployment of the aerial ladder or platform.

Involved Components :

Component Name 1 : Stabilizer Beam

Component Description : Beam which extends outward from the truck to provide stability.

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Oshkosh Corporation

Address : 1917 Four Wheel Drive
Oshkosh Wisconsin 54902

Country : United States

Chronology :

- In mid-May 2023 the Quebec City, Canada fire department discovered cracks on the outside edge of galvanized coated stabilizer beams during a routine vehicle inspection.
- Pierce was notified and an investigation commenced.
- On May 19, 2023 an internal team met and identified the lack of a stress relieving process following the beam weldment and before galvanizing the stabilizer beam. The stress relieving process was examined and introduced into production.
- On May 31, 2023, Pierce decided to conduct a safety recall to address vehicles in the field.

Description of Remedy :

Description of Remedy Program : Customers will be instructed to keep their trucks in service but to NOT use the aerial ladder or platform until the remedy is completed. A combination of visual inspection and magnetic particle testing will be performed by a Pierce authorized representative . Should crack(s) be discovered on galvanized stabilizer beams, the affected beams will be replaced with those which are Electro Coated (E-Coat).

How Remedy Component Differs from Recalled Component : The remedy component will be Electro Coated (E-Coat) and not galvanized.

Identify How/When Recall Condition was Corrected in Production : The stress relieving process was audited in the production environment and stabilizer beams on vehicles produced after May 2023 will have undergone the stress relief process .

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.

Planned Dealer Notification Date : JUN 14, 2023 - JUN 14, 2023

Planned Owner Notification Date : JUN 14, 2023 - JUN 14, 2023

* NR - Not Reported