

Part 573 Safety Recall Report

22V-809

Manufacturer Name : Pierce Manufacturing

Submission Date : OCT 27, 2022

NHTSA Recall No. : 22V-809

Manufacturer Recall No. : 74B323



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 : 299
 Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2010-2022 Pierce Velocity, Enforcer, Arrow XT, Quantum, Dash CF
 Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
 Body Style : ALL
 Power Train : DIESEL

Descriptive Information : Pierce manufacturers two brackets, part numbers 2220957 (stokes basket bracket – Left Hand) and 2220958 (stokes basket bracket – Right Hand). A pair of these brackets (left hand and right hand) can be mounted to the platform of an aerial truck and are used to secure a stokes basket, a device which is intended to hold and transport a victim. In some cases, the welds on the brackets which hold the stokes basket may not have been sufficiently welded, potentially resulting in a failure of the brackets. Stokes basket mounting brackets are only available as an option on 100 Foot Rear Mount Aluminum Platforms (RMAP's) and 100 Foot Mid Mount Steel Platforms of the vehicle models referenced above.

Production Dates : APR 24, 2010 - OCT 13, 2022

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : There may be insufficient weld penetration on components of the brackets which support a stokes basket to the vehicle platform. Insufficient weld penetration could cause components of the brackets to fail.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Should components of one or both of the left hand or right hand brackets fail, the stokes basket would not be sufficiently secured to the platform, increasing the risk of injury to a person secured to the stokes basket.

Description of the Cause : Variation in the manual welding process allowed for improper speed of the welding wire, preventing sufficient weld penetration.

Identification of Any Warning that can Occur : There is no known warning prior to failure.

Involved Components :

Component Name 1 : Stokes Basket Mounting Bracket - Left Hand

Component Description : Bracket used to support a stokes basket.

Component Part Number : 2220957

Component Name 2 : Stokes Basket Mounting Bracket - Right Hand

Component Description : Bracket used to support a stokes basket.

Component Part Number : 2220958

Supplier Identification :

Component Manufacturer

Name : Pierce Manufacturing

Address : 520 North Main Street
Kewaunee Wisconsin 54216

Country : United States

Chronology :

October 13, 2022 – Pierce was notified by a fire department that during an event which included the placement of a stokes basket onto the stokes basket mounting brackets, a failure occurred which permitted the stokes basket to become unsecured to the stokes basket mounting brackets. No injuries were reported.

October 14, 2022 – Pierce convenes a team comprised of engineering, quality, and manufacturing resources to assess the issue.

October 14, 2022 – Pierce evaluates the performance of three stokes basket mounting brackets in-house. Pierce observes that weld penetration on two of these three brackets do not meet manufacturing criteria. Pierce takes steps to quarantine all vehicles that contain the stokes basket mounting bracket option at the manufacturing facility.

October 25, 2022 – Pierce decides to conduct a safety recall to address the issues involving the welds on the stokes basket mounting brackets. Pierce is not aware of any injuries or warranty claims allegedly related to this issue, however, in an abundance of caution, Pierce intends to contact owners of all trucks which the stokes basket mounting bracket option shipped with and recall all left hand and right hand stokes basket mounting

brackets since the start of production.

Description of Remedy :

Description of Remedy Program :	Pierce will notify current owners who have the stokes basket mounting bracket option with their truck to remove the brackets from service and send them back to Pierce. Pierce will supply new left hand and right hand stokes basket mounting brackets at no charge to existing customers.
How Remedy Component Differs from Recalled Component :	The remedied component will incorporate dimensional changes which will permit (1) better placement in fixturing and (2) robotic welding for the affected pieces where the weld failures were observed.
Identify How/When Recall Condition was Corrected in Production :	Pierce, upon the initial notice of the stokes basket bracket mounting failure, immediately quarantined all stokes basket mounting brackets in process. Pierce continues to deliver trucks however Pierce is not delivering any stokes basket mounting brackets with trucks until the defined remedy is in place.

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 :	DEC 16, 2022 - DEC 16, 2022
Planned Owner Notification Date :	DEC 16, 2022 - DEC 16, 2022

* NR - Not Reported