

Part 573 Safety Recall Report

19V-921

Manufacturer Name : Aluminum Trailer Company**Submission Date :** JAN 10, 2020**NHTSA Recall No. :** 19V-921**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Aluminum Trailer Company

Address : 306 S. Nappanee Street

Nappanee IN 46650

Company phone : 574-773-2440

Population :

Number of potentially involved : 232

Estimated percentage with defect : 6 %

Vehicle Information :

Vehicle 1 : 2016-2019 ATC Quest Stacker

Vehicle Type : TRAILERS

Body Style : UNKNOWN

Power Train : NR

Descriptive Information : The recall population was determined by looking at ATC Quest Stacker models with guide block option parts 127088, 127383 and 127384. The recalled products differ from the products that were not recalled in that they are the Quest Stacker model with a bill of materials that include the guide block package 127088, 127383, 127384. The other Quest trailers do not have this option package selected.

Guide block failure. Lift dropping in tilt position in some circumstances.

Guide block material not holding up to dynamic load conditions.

232 units impacted

Production Dates : SEP 01, 2016 - SEP 09, 2019

VIN Range 1 : Begin : 5JXAE2630HE205678 End : 5JX1A2635LD219375

☒ Not sequential**Description of Defect :**

Description of the Defect : Guide block material not holding up to dynamic load conditions.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : While unloading and loading a vehicle in the tilt position on the lift, the lift ladder locks may be partially seated in the rung if the guide blocks are compromised. This may cause the lift to come unseated from the rung and fall. The distance off the ground when the lift is in the tilt position is 12 to 16 inches. This is the potential fall distance. The safety risk is anything under the lift , such as hands or feet that may become pinched between the lift and the floor of the trailer.

Description of the Cause : NR

Identification of Any Warning that can Occur : Worn guide blocks and/or aluminum shavings at floor, next to vertical post.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

Tilt failure discovered out in the field. Field testing started in November 2019 and completed in December 2019. Data from field testing reviewed by team on Dec 20, 2019 and deemed that failure caused by worn guide blocks due to guide block material not holding up to dynamic load conditions. The guide block failure may cause the lift to drop in the tilt position in some circumstances.

Description of Remedy :

Description of Remedy Program : ATC will supply new materials and work instructions to replace the existing guide blocks with an improved guide block made from Nylatron. The new kit also includes an addition backup steel safety safeguard plate to be installed as well. ATC will supply the required parts kit (based upon the lift design release) and work instructions for the repair. This will be sent out within 1 week of the repair request. The repair facility will be allotted 10 hours for the repair and will be reimbursed accordingly. If a customer or dealer have incurred costs for this lift that would have been covered with this repair, those costs will be reimbursed.

How Remedy Component Differs from Recalled Component : The new guide blocks are made from a new material called Nylatron vs the old UHMW material. The design and shape of the blocks has also been updated to better fit the lift legs and channels. New bolts and screws were also used with this design as well. The new kits based upon lift release will be kit 129065, 128462 or 128492. The kit includes all the parts necessary for the repair. The new kits will replace parts 127088, 127383 and 127384 that are included in the recall.

Identify How/When Recall Condition was Corrected in Production : The recall condition was corrected in production on 9/9/19. The new lift blocks, safety plate and screws were installed on all lifts as part of new lift process improvement initiative. This new process was then thoroughly tested under extreme conditions on a test track for field testing starting in November 2019 and completed in December 2019 to confirm the new design.

Recall Schedule :

Description of Recall Schedule : Recall notification will begin on 2/10/20 and be completed on 2/14/20. Owners will be notified via first class mail. Dealer letters will be notified via email with return receipts.

Planned Dealer Notification Date : FEB 10, 2020 - FEB 14, 2020

Planned Owner Notification Date : FEB 10, 2020 - FEB 14, 2020

* NR - Not Reported