

Part 573 Safety Recall Report

17V-110

Manufacturer Name : Aluminum Trailer Company**Submission Date :** FEB 17, 2017**NHTSA Recall No. :** 17V-110**Manufacturer Recall No. :** STKR-LIFT**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 : 16

Estimated percentage with defect : 69 %

Vehicle Information :

Vehicle 1 : 2017-2017 ATC QSTAB8522+0-2T7.0K

Vehicle Type : TRAILERS

Body Style : OTHER

Power Train : NR

Descriptive Information : Bumper Pull Quest Model with 2 7k axles and a stacker package

Production Dates : JAN 09, 2017 - JAN 21, 2017

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2017-2017 ATC QSTAB8524+0-3T6.0K

Vehicle Type : TRAILERS

Body Style : OTHER

Power Train : NR

Descriptive Information : Bumper Pull Quest Model with 3 6k axles and a stacker package

Production Dates : JAN 09, 2017 - FEB 04, 2017

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2017-2017 ATC QSTAB8526+0-3T6.0K

Vehicle Type : TRAILERS

Body Style : OTHER

Power Train : NR

Descriptive Information : Bumper Pull Quest Model with 3 6k axles and a stacker package

Production Dates : SEP 05, 2016 - JAN 28, 2017

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 4 : 2017-2017 ATC QSTAB8528+0-3T7.0K

Vehicle Type : TRAILERS

Body Style : OTHER

Power Train : NR

Descriptive Information : Bumper Pull Quest Model with 3 7k axles and a stacker package

Production Dates : DEC 05, 2016 - FEB 11, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The lift was designed in such a way that if the trailer walls flex and are out of square, then the lift platform could become disengaged from the safety lock. If this happens and the lifting chains are run to slack then the lift platform could drop. A photo of the locking mechanism is attached to this report

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : There is a risk of personal injury and or personal property damage should the safety lock fail and the chains become slack.

Description of the Cause : We had unforeseen issues in the design phase of the new lift and did not account for trailer flexing or being out of square when considering the type of locking mechanism to put on.

Identification of Any Warning that can Occur : A slack lifting chain would be a warning sign that the lift could potentially drop.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

The new lift was produced and introduced at a show in September of 2016. When we started running general production on these units, some questions were raised from the employees building them about how the safety locking mechanism would work. There was a meeting with the lead engineer on the project, the production manager, value stream leader and Head Engineer for ATC on the concerns that were being brought up by the employees on February 13 2017. It was determined during that meeting that if several things happened at one time, including the safety mechanism becoming disengaged from the wall and the lifting chain becoming slack then the platform was at risk to falling. It was after this discussion of the possible ramifications that we decided a recall was the proper way to go. At this time we are unaware of any warranty claims or other issues related to the new lift.

Description of Remedy :

Description of Remedy Program : The goal of the remedy is to "Lock" the road side (lifting side) of the lifting platform to the lifting side posts, this ensures that the safety stops cannot miss or be jostled out of tolerance with the safety rail. This is accomplished by modifying the UHMW blocks that guide the platform up and down the posts, as well as modifying the shape of the posts. The modification is as follows; a flange is added to the posts on the road-side of the trailer and a corresponding notch is incorporated into the guide block. The flange and guide block interact in conjunction with an already existing guide block to ensure that the lifting platform cannot move out of tolerance with the safety rail

How Remedy Component Differs from Recalled Component : The remedy will have a flange on the posts on the road side of the trailer with a corresponding notch in the guide block.

Identify How/When Recall Condition was Corrected in Production : The trailers currently in production will be remedied with the above described remedy. All trailers in production as of Feb 13th and beyond will have this remedy applied.

Recall Schedule :

Description of Recall Schedule : We will notify dealers within 21 days of filing this report or by March 10, 2017. We will notify our end users within 60 days of filing this report or by April 18, 2017

Planned Dealer Notification Date : MAR 10, 2017 - MAR 10, 2017

Planned Owner Notification Date : APR 18, 2017 - APR 18, 2017

* NR - Not Reported