

# Part 573 Safety Recall Report

## 21V-337

**Manufacturer Name :** Altec Industries, Inc.**Submission Date :** JUN 22, 2021**NHTSA Recall No. :** 21V-337**Manufacturer Recall No. :** CSN 821**Manufacturer Information :****Population :**

Manufacturer Name : Altec Industries, Inc.

Number of potentially involved : 314

Address : 210 Inverness Center Drive  
Birmingham AL 35242

Estimated percentage with defect : 100 %

Company phone : 205 991 7733

**Vehicle Information :**

Vehicle 1 : 2014-2021 Altec TDA-58 Trailer

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined from a review of production records. All TDA-58 products sold have been included in the recall population.

Production Dates : SEP 01, 2014 - MAY 07, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential**Description of Defect :**

Description of the Defect : Chains used to tie down the TDA-58 for transport on the trailer have shown instances of failure. An investigation found that the working load limit of the chain is not high enough to account for some dynamic and shock-loading seen during road travel.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Tie-down chains breaking loose can cause the unit to become unstable in transit with the potential to move from the trailer.

Description of the Cause : There is no defective component with respect to this recall. After a customer reported chain failure Altec performed severe duty dynamic shock loading tests. The results indicated the application would benefit from a higher working load limit chain.

Identification of Any Warning that can Occur : A pre-trip inspection can identify deformation of the chain link, unusual wear, or deterioration at the tie-down locations on the unit or trailer D-rings.

**Involved Components :**

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

### Supplier Identification :

#### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

### Chronology :

In September of 2020, Altec was notified of a failure for the 3/8 inch chain used for TDA-58 trailer tie-down. The customer that experienced the chain failure suspected misuse and replaced the 3/8 inch chain with a 1/2 inch chain in a higher grade. Altec opened an investigation to confirm the expected loading was in compliance with FMCSA. In early March of 2021, a failure of the 1/2 inch chain was reported. A second report followed this in late March. The preliminary examination attributed the failure mode with improper use of the chain binders. A test program for the 1/2" chain was created to measure the loads seen in a properly configured tie-down system. Following the investigation of the loads and tie-down methods, Altec determined that the loads induced during severe roading conditions exceeded its standards. A defect was declared on May 7, 2021.

### Description of Remedy :

Description of Remedy Program : Altec will issue CSN 821 to owners of the affected units requiring owners to reverse unit orientation on the trailer, add tie-downs to outriggers at higher locations, and add new tie-down D-rings to the trailer.

How Remedy Component Differs from Recalled Component : The remedy reduces the impact load magnitude and mitigates undesirable loading conditions on chain links.

Identify How/When Recall Condition was Corrected in Production : Units manufactured after May 11, 2021, will include the reverse unit orientation on the trailer, added tie-downs to outriggers at higher locations, and higher-rated tie-down D-rings on the trailer.

### Recall Schedule :

Description of Recall Schedule : Altec will issue CSN 821 to owners of the affected units. Altec does not have a dealer network and issues letters to owners only.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : JUL 07, 2021 - JUL 09, 2021

\* NR - Not Reported