

# 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 :

Manufacturer Name : Altec Industries, Inc.

Address : 210 Inverness Center Drive  
Birmingham AL 35242

Company phone : 205 991 7733

### Population :

Number of potentially involved : 314

Estimated percentage with defect : 100 %

### 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 supplied 3/8 in chain is not high enough to account for some severe 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 and a relocation/revision of tie down points on the equipment being transported.

**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 : Tie down chain

Component Description : chain and hook assembly GRADE 70, 3/8, 72.00 IN

Component Part Number : 990544719

## 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, replace the 3/8 in. chain with 1/2 in. chain, and move tie-downs to the 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 use higher-rated 1/2 chain for tie downs and 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