

Part 573 Safety Recall Report

19V-455

Manufacturer Name : Altec Industries Inc.**Submission Date :** JUN 14, 2019**NHTSA Recall No. :** 19V-455**Manufacturer Recall No. :** CSN 722**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 : 542

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2018 Altec LR7, TA50/55/60 and L42/45 Aerial Devices

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by a review of production records that identified what units had fasteners from the affected lot number.

Production Dates : JUL 15, 2017 - AUG 15, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential**Description of Defect :**

Description of the Defect : High strength fastener may fail due to environmental hydrogen embrittlement.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Multiple fasteners could break which could cause separation of the pedestal and turntable increasing the risk of death or serious injury to the worker or those nearby

Description of the Cause : NR

Identification of Any Warning : The fasteners are subject to periodic inspection requirements intended to that can Occur : detect those that are loose, broken or cracked.

Supplier Identification :**Component Manufacturer**

Name : Nucor Fastener

Address : PO BOX 6100
6730 County Road 60 St. Joe INDIANA 56785
Country : United States

Chronology :

Over the last several months Altec has received reports of rotation bearing fasteners breaking during the annual torque inspection. This has occurred on multiple units and all the broken fasteners were marked with the head stamping 6035. The failed fasteners were sent to a laboratory for evaluation. According to their testing and the time line associated with failures, the root cause was determined to be environmental hydrogen embrittlement.

Altec began inspecting all on hand unit inventory that contained rotation bearing fasteners with the 6035 head stamping with a 100% torque check. Additional fasteners broke during the inspection and were replaced with fasteners from a different lot.

There have been no reported event incidents

Description of Remedy :

Description of Remedy Program : Altec will issue CSN 722 to owners of the affected units requiring owners to: 1) complete a visual inspection of the rotation bearing fasteners to identify any with head marking 6035, 2) conduct a torque check of all head marking 6035 fasteners, 3) take the unit out of service and replace the fasteners if any break during the inspection and 4) replace any intact head marking 6035 fasteners within 30 days.

How Remedy Component Differs from Recalled Component : The head marking is different.

Identify How/When Recall Condition was Corrected in Production : The supplier is investigating the plating process to determine what errors could have occurred in Lot Number 390155A (Head Marking 6035)

Recall Schedule :

Description of Recall Schedule : Altec will issue CSN 722 to owners of the affected units requiring owners to: 1) complete a visual inspection of the rotation bearing fasteners to identify any with head marking 6035, 2) conduct a torque check of all head marking 6035 fasteners, 3) take the unit out of service and replace the fasteners if any break during the inspection and 4) replace any intact head marking 6035 fasteners within 30 days.

Planned Dealer Notification Date : AUG 14, 2019 - AUG 15, 2019

Planned Owner Notification Date : AUG 14, 2019 - AUG 15, 2019

* NR - Not Reported