

Part 573 Safety Recall Report

19V-303

Manufacturer Name : Altec Industries Inc.

Submission Date : APR 15, 2019

NHTSA Recall No. : 19V-303

Manufacturer Recall No. : MAB 716



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 : 163

Estimated percentage with defect : 80 %

Vehicle Information :

Vehicle 1 : 2017-2018 Altec LR7, TDA58, TA50/55/60 and TA45M-T50 Aerial Devices

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by a review of production records to identify units with a specific lot number of rotation bearing fasteners,

Production Dates : NOV 15, 2017 - APR 20, 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 that can Occur : The fasteners are subject to periodic inspection requirements intended to 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 :

In early March, there were reports of missing and breaking fastener heads discovered during the annual torque inspection on several units. All fasteners that were broken were marked with the head stamping 6043. 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 6043 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 MAB 716 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 6043, 2) take the unit out of service if any fasteners are found with head marking 6043, and 3) replace the fasteners before returning the unit to service

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 396083A (Head Marking 6043)

Recall Schedule :

Description of Recall Schedule : Altec will issue MAB 716 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 6043, 2) take the unit out of service if any fasteners are found with head marking 6043, and 3) replace the fasteners before returning the unit to service

Planned Dealer Notification Date : APR 24, 2019 - APR 25, 2019

Planned Owner Notification Date : APR 24, 2019 - APR 25, 2019

* NR - Not Reported