

# Part 573 Safety Recall Report

# 18V-757

**Manufacturer Name :** Altec Industries Inc.

**Submission Date :** OCT 26, 2018

**NHTSA Recall No. :** 18V-757

**Manufacturer Recall No. :** MAB 701



## 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 :** 46

**Estimated percentage with defect :** 100 %

## Vehicle Information :

**Vehicle 1 :** 2018-2018 Altec DM45/47B, DC45/47 Digger Derrick and TA50/60 Aerial Devices

**Vehicle Type :**

**Body Style :**

**Power Train :** NR

**Descriptive Information :** The recall population was identified by reviewing production records for units built with a specific manufacturers lot number of fastener.

**Production Dates :** JUL 01, 2018 - OCT 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 internal 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 :** Fastenal

Address : 2001 Theurer Blvd  
Winona MINNESOTA 55987  
Country : United States

## Chronology :

In early October, there were reports of missing fastener heads in the outer race of the pedestal on several DM47's. Several of these units were just installed 4-5 days prior to discovering the missing fasteners. All fasteners that were broken were marked with the head stamping 5172. The failed fasteners were sent to the fastener distributor, Fastenal, for evaluation. According to their testing and the time line associated with failures, the root cause was determined to be internal hydrogen embrittlement. They are continuing to investigate the high rate of failures in this particular fastener lot.

Altec began inspecting all on hand unit inventory that contained rotation bearing fasteners with the 5172 head stamping with a 100% torque check. Additional broken fasteners were found during the inspection. There have been no reported event incidents

## Description of Remedy :

Description of Remedy Program : Altec will issue MAB 701 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 5172, 2) take the unit out of service if any fasteners are found with head marking 5172, 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 Fastenal Lot Number 489141 (Head Marking 5172)

## Recall Schedule :

Description of Recall Schedule : Altec will issue MAB 701 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 5172, 2) take the unit out of service if any fasteners are found with head marking 5172, 3) replace the fasteners before returning the unit to service.

Planned Dealer Notification Date : OCT 26, 2018 - OCT 26, 2018

Planned Owner Notification Date : OCT 26, 2018 - OCT 26, 2018

\* NR - Not Reported