

Part 573 Safety Recall Report

17V-109

Manufacturer Name : Altec Industries Inc.

Submission Date : FEB 17, 2017

NHTSA Recall No. : 17V-109

Manufacturer Recall No. : MAB 651



Manufacturer Information :

Population :

Manufacturer Name : Altec Industries Inc.

Number of potentially involved : 10

Address : 210 Inverness Center Drive
Birmingham AL 35242

Estimated percentage with defect : 10 %

Company phone : 205-991-7733

Vehicle Information :

Vehicle 1 : 2015-2016 Altec AH125, AH150, HL125

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Aerial Device

Production Dates : MAR 01, 2015 - JUL 01, 2015

VIN Range 1 : Begin : NR End : NR

Not sequential

Description of Defect :

Description of the Defect : Manufacturing issue causing susceptibility to environmental hydrogen embrittlement

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The fasteners are at increased risk of environmental hydrogen embrittlement. Fasteners with hydrogen embrittlement could crack and fail 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 : These fasteners are required to be torque checked as part of the annual preventive maintenance inspection. Any defective fasteners are normally identified during this inspection

Supplier Identification :**Component Manufacturer**

Name : Fastenal
Address : 3824 West Superior St.
Duluth MINNESOTA 55807
Country : United States

Chronology :

In February 2017, rotation bearing fasteners were found to be broken on an AH150 during a routine inspection. These fasteners were manufactured during the same time period, and utilizing the same processing steps as a manufacturing lot that had been previously found to be highly susceptible to Environmental Hydrogen Embrittlement. Fasteners from this specific time period used some different processing steps than those provided earlier and a different coating from those provided later. In light of this most recent failure, a risk exists that the manufacturing process that resulted in the high level of susceptibility of the previous bad lot may be present in the identified lot(s) from this specific time period. There have been no reports of injuries or accidents.

Description of Remedy :

Description of Remedy Program :	Altec will issue a recall letter (MAB 651) to owners of all affected units that directs them to (1) perform an annual torque inspection and if any broken fasteners are found, take the unit out of service until they are replaced and (2) if no broken fasteners are found, return the unit to service and replace the fasteners within 30 days. The fasteners must be inspected daily until they are replaced
How Remedy Component Differs from Recalled Component :	There is no visible difference in the fasteners. The difference is in the heat treating process.
Identify How/When Recall Condition was Corrected in Production :	Fastenal has additional quality control measures in place to ensure heat treatment procedures are being followed.

Recall Schedule :

Description of Recall Schedule : NR
Planned Dealer Notification Date : NR - NR
Planned Owner Notification Date : FEB 24, 2017 - FEB 24, 2017

* NR - Not Reported