

Part 573 Safety Recall Report

20V-420

Manufacturer Name : Altec Industries Inc.**Submission Date :** JUL 20, 2020**NHTSA Recall No. :** 20V-420**Manufacturer Recall No. :** MAB 770**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 : 141

Estimated percentage with defect : 47 %

Vehicle Information :

Vehicle 1 : 1995-1998 Altec AO442

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by a review of production records that identified units built with a specific cylinder part number.

Production Dates : JAN 02, 1995 - DEC 31, 1998

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential**Description of Defect :**

Description of the Defect : Improper hydraulic cylinder design

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The cylinder end gland could fail which could cause uncontrolled boom movement increasing the risk of serious injury or death

Description of the Cause : NR

Identification of Any Warning that can Occur : The unit operator's manual and maintenance manual both describe cylinder inspection procedures. Cylinders with early evidence of separating end glands are normally identified during these inspections

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Rosenboom Machine and Tool

Address : 1530 Western Ave.

Sheldon IOWA 51201

Country : United States

Chronology :

Altec was engaged by its supplier, Rosenboom Machine and Tool, and brought aware of two-cylinder part numbers that may have an improper head gland design for the application. Altec has identified the models and production years that would have used this cylinder part numbers. The original design of the cylinder can exceed the fatigue life of the head gland retaining ring.

Due to the nature of the failure mode the potential of additional field failure exists.

There have been no reported event incidents

Description of Remedy :

Description of Remedy Program : Altec will issue MAB 770 to all affected customers requiring them to inspect the boom lift cylinders for an externally threaded head gland design and confirmation of the part number.
Based upon the inspection findings, the customer will be instructed that the unit can be continued to be used with restricted lower and/or upper boom articulation until the cylinder(s) are repaired or replaced.

How Remedy Component Differs from Recalled Component : Repaired or replaced cylinders will incorporate a revised cylinder head gland.

Identify How/When Recall Condition was Corrected in Production : Rosenboom cylinders with this end gland design are no longer used in production.

Recall Schedule :

Description of Recall Schedule : Altec will issue MAB 770 to all affected customers requiring them to inspect the boom lift cylinders for an externally threaded head gland design and confirmation of the part number.
Based upon the inspection findings, the customer will be instructed that the unit can be continued to be used with restricted lower and/or upper boom articulation until the cylinder(s) are repaired or replaced.

Planned Dealer Notification Date : AUG 12, 2020 - AUG 13, 2020
Planned Owner Notification Date : AUG 12, 2020 - AUG 13, 2020

* NR - Not Reported