

## **Safety Defect and Noncompliance Report Guide for Vehicles Part 573 Defect and Noncompliance Report<sup>1</sup>**

On November 10., 2010, Altec Industries Inc decided that a condition which relates to motor vehicle safety exists in the motor vehicles listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Responsibility and Reports.

Date this report was prepared: **December 3, 2010**

Furnish the manufacturer's identification code for this recall (if applicable): **MAB 540**

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

**Altec Industries, Inc**

Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.

**Joshua T Chard**  
**Director, Product and Corporate Safety**

Telephone Number: **205-408-8627** Fax No.: **205-981-3733**

Name and Title of Person who prepared this report.

**Philip D. Purdy**  
**Manager, Media**

Signed: \_\_\_\_\_

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## I. Identify the Vehicle Models Involved in the Recall

2. Identify the Vehicles Involved in the Recall, *for each make and model or applicable vehicle line (provide illustrations or photographs as necessary to describe the vehicle), provide:*

Make(s): Altec Model Years Involved: 1994-1997 Model(s): AA500, AM450/550/600/755, AM600-E76, AM800/900, AN543/546/650/755

Production Dates: Beginning: September 1994 Ending: March 1997

VIN Range: Beginning: N/A Ending: N/A

Vehicle Type: N/A Bodystyle: N/A

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

**This recall only affects Altec aerial devices built between September 1994 and March 1997 built with lower boom lift cylinder part number 350-40094.**

## II. Identify the Recall Population

3. Furnish the total number of vehicles recalled potentially containing the defect or noncompliance.

Model	Year	Number of Vehicles Potentially Involved
<b>AA500</b>	<b>1996</b>	<b>1</b>
<b>AM450/550/600/755</b>	<b>1995-1996</b>	<b>36</b>
<b>AM600-E76</b>	<b>1996</b>	<b>1</b>
<b>AM800/900</b>	<b>1996-1997</b>	<b>19</b>
<b>AN543/546/650/755</b>	<b>1994-1997</b>	<b>117</b>

Total Number Potentially Affected by the Recall: **The first estimate is 174 units. Production records are still being verified. This number will change.**

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: **TBD.**

Identify and describe how the recall population was determined – in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture of the recalled vehicles:

**Altec has identified a range of units that may potentially have one of the suspect cylinders. Altec knows that there are only 83 of these cylinders in the field. We are providing inspection data to help identify the suspect cylinders and replace them.**

### **III. Describe the Defect or Noncompliance**

5. Describe the defect or noncompliance. The description should address the nature and physical location of the defect or noncompliance. Illustrations should be provided as appropriate.

**Altec has become aware of a cylinder, as manufactured, that may fail when subjected to frequent tensile loading. This recall is limited to aerial devices manufactured between 1994 and 1997 with a specific hydraulic cylinder.**

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Describe the cause(s) of the defect or noncompliance condition.

**The hydraulic cylinder, as manufactured, could fail when subjected to frequent tensile loading.**

Describe the consequence(s) of the defect or noncompliance condition.

**The cylinder could fail causing the load to drop.**

Identify any warning which can (a) precede or (b) occur.

**None. Altec is requiring owners to limit the articulation of the cylinder so not to subject it to tensile loading until the cylinder can be replaced.**

If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.

**Rosenboom Machine and Tool  
1530 Western Avenue  
Sheldon, IA, 51201**

Identify the name and title of the chief executive officer or knowledgeable representative of the supplier:

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**Brian Rosenboom**  
712 324 4854

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### **IV. Provide the Chronology in Determining the Defect/Noncompliance**

*If the recall is for a defect, complete item 6, otherwise item 7.*

6. With respect to a defect, furnish a chronological summary (including dates) of all the principle events that were the basis for the determination of the defect. The summary should include, but not be limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.

**In November 2010 Altec Industries, Inc learned of a single hydraulic lift cylinder failure.**

7. With respect to a noncompliance, identify and provide the test results or other data (in chronological order and including dates) on which the noncompliance was determined.

**On November 10, 2010 Altec became aware of an incident on one of it's products where an end cap of a cylinder manufactured by Rosenboom Machine & Tool failed. Altec immediately launched an investigation to determine the cause of the failure. After reviewing the drawings and calculations by both Altec and Rosenboom employees, it was decided that the end cap, as manufactured, could fail when subjected to frequent tensile loading.**

#### **V. Identify the Remedy**

8. A description of the manufacturer's program for remedying the defect or noncompliance. This program shall include a plan for reimbursing an owner or purchaser who incurred costs to obtain a remedy for the problem addressed by the recall within a reasonable time in advance of the manufacturer's notification of owners, purchasers and dealers, in accordance with §573.13 of this part. A manufacturer's plan may incorporate by reference a general reimbursement plan it previously submitted to NHTSA, together with information specific to the individual recall. Information required by §573.13 that is not in a general reimbursement plan shall be submitted in the manufacturer's report to NHTSA under this section. If a manufacturer submits one or more general reimbursement plans, the manufacturer shall update each plan every two years, in accordance with §573.13. The manufacturer's remedy program and reimbursement plans will be available for inspection by the public at NHTSA headquarters.

**Altec will issue a recall (MAB 540) for all the affected units. Altec will provide instructions on how to inspect and replace the hydraulic cylinder. Altec will reimburse the customer for parts and up to six hours labor for the cylinder replacement.**

9. Furnish a description of the manufacturer's remedy for the defect or noncompliance. Clearly describe the differences between the recall condition and the remedy.

**The suspect hydraulic cylinders will be replaced.**

Clearly describe the distinguishing characteristics of the remedy component/assembly versus the recalled component/assembly.

**There is no physical difference in the appearance of the cylinders.**

Identify and describe how and when the recall condition was corrected in production. If the production remedy was identical to the recall remedy in the field, so state. If the product was discontinued, so state.

**Altec manufactured 83 units with between the 1994 and 1997 with the suspect cylinders. No production remedy is required.**

#### **VI. Identify the Recall Schedule**

**10.** Furnish a schedule or agenda (with specific dates) for notification to other manufacturers, dealers/retailers, and purchasers. Please, identify any foreseeable problems with implementing the recall.

**Attached to this report is a draft of Altec's MAB 540. Once MAB 540 has been approved and returned, Altec will immediately mail it to the customers affected. There are no dealers/retailers affected.**