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By Recall Management division at 2:51 pm, Dec 18, 2013

**Safety Defect and Noncompliance Report Guide for Equipment  
Part 573 Defect and Noncompliance Report**

On December 11, 2013 Altec Industries Inc decided that a defect which relates to motor vehicle safety exists in the motor vehicle equipment listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

Date this report was prepared: **December 18, 2013**

Furnish the manufacturer's identification code for this recall (if applicable): **CSN 591**

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, Corporate and Product Safety**

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

Name and Title of Person who prepared this report.

**Philip D. Purdy**  
**Manager, Technical Publications**

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

**I. Identify the Recalled Items of Equipment**

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

Generic name of the item: **Digger Derrick**

Make(s): **Altec** Model Years Involved: **2009 - 2013** Model(s): **DT80, D2/3/4**

Production Dates: Beginning: **June 2009** Ending: **November 2013**

**II. Identify the Recall Population**

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

<u>Model</u>	<u>Year</u>	<u>Number of Vehicles Potentially Involved</u>
<b>DT80</b>	<b>2009 - 2013</b>	<b>105</b>
<b>D2/3/4</b>	<b>2011 - 2013</b>	<b><u>556</u></b>
		<b>661</b>

Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: **10 %**

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:

**The recall population was determined by reviewing manufacturing records to identify units built with bolt on feeder tubes.**

**III. Describe the Defect or Noncompliance**

Describe the defect or noncompliance.

**Over time, fasteners holding the feeder tube bracket to the side of the boom could become loose and allow the feeder tube to fall creating a personal injury risk.**

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

N/A

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

4. 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 2013, a customer reported that the feeder tubes separated from the main boom of a D4060 digger derrick. The incident was investigated and identified the key contributor to the feeder tube bracket bolts failing. The feeder tube bracket mounting surface was not flat. This can place additional bending loads on the mounting bolts. The root cause of the out of flat condition was identified and countermeasures for this, and other improvements to the design and process are in place to prevent reoccurrence.**

**There has been one reported injury.**

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

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

**Altec will issue a recall letter (CSN 591) to owners of all affected unit to inspect the fastener torque, the feeder tube bracket and to order or arrange installation of an upgrade kit. The kits include an upgraded fastener package, bracket and instructions.**

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

**The increase in size, number, or grade of fastener and/or welding of the feeder tube bracket (depending on model) accommodates any out of flat conditions observed in field units.**

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

6. Furnish a schedule or agenda (with specific dates) for notification.

**Customer notification estimated to be the week of February 3, 2014.**