

Part 573 Safety Recall Report**15V-096****Manufacturer Name :** Altec Industries Inc.**Submission Date :** JUL 22,2015**NHTSA Recall No. :** 15V-096**Manufacturer Recall No. :** CSN 611**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 : 3,889

Estimated percentage with defect : 1

Vehicle Information :

Vehicle : 2011-2014 Aerial Device L36A, LRV, LR7

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : This recall affects unit built with Texas Hydraulics upper boom drive cylinders.

Production Dates : JUN 01, 2011 - SEP 30, 2014

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : The cylinder base end lug casting could develop cracks.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Death or serious could occur from uncontrolled movement of the boom if the cylinder lug castings were to crack and fail.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :**Component Manufacturer**

Name : Texas Hydraulics

Address : 3410 Range Road

Temple TEXAS 76504

Country : United States

Chronology :

In October 2014, an LR7 upper boom drive cylinder base end lug casting broke at an Altec location during run-in testing. That base end cylinder lug is common on L36A, LRV and some LR7 upper boom drive cylinders. An investigation began with the supplier, Texas Hydraulics, which identified a problem with the quenching process from their casting supplier. Described as an "over aggressive quench", this out of specification process can cause surface cracking which can weaken the casting end and lead to failure. Texas Hydraulics has determined that there were multiple lot numbers of cylinders produced over a 4 year period that could be affected. There have no reports of injuries or accidents.

Description of Remedy :

Description of Remedy Program : Issue a CSN to all affected customers advising them to inspect cylinders for specific casting lot numbers. If both upper boom drive cylinders are not of the suspect lots, no further action is required. If a cylinder is found to be of one of the suspect lots, the customer should inspect for visible cracking in the casting. If cracks are found the unit should be removed from service immediately and scheduled for cylinder replacement. If no cracks are found, the unit should be scheduled for magnetic particle inspection of the cylinder lug within 60 days.

How Remedy Component Differs from Recalled Component : New and replacement cylinders were built with the correct process.

Identify How/When Recall Condition was Corrected in Production : The process used in casting the base end lug was corrected.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : MAR 30, 2015 - APR 01, 2015

* NR - Not Reported