

Part 573 Safety Recall Report**16V-023****Manufacturer Name :** Altec Industries Inc.**Submission Date :** MAR 03, 2016**NHTSA Recall No. :** 16V-023**Manufacturer Recall No. :** NR**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 : 195

Estimated percentage with defect : 10

Vehicle Information :

Vehicle : 2010-2015 Altec AH75/85/100

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Aerial Device

Production Dates : JAN 10, 2008 - DEC 31, 2015

VIN (Vehicle Identification Number) Range

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : Manufacturing defect in vendor supplied Pulsar valve

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The Pulsar coil could short movement of the aerial device when the interlock circuit is activated even if the function controlled by that coil has not been selected. This could increase the risk of death or serious injury. Release of the interlock or activation of the Emergency Stop will stop the movement

Description of the Cause : NR

Identification of Any Warning that can Occur : If the defect is present, the failure of uncommanded function resulting in movement would likely occur during the Daily Preoperational Inspection as described in the Operator's Manual. This should present no hazard to the operator as release of the interlock trigger or activation of the Emergency Stop will stop the movement. If this occurs, the unit should not be operated until the affected pulsar is replaced.

Supplier Identification :**Component Manufacturer**

Name : Hannifin Hydraulic Valve Division

Address : 520 Ternes Avenue

Elyria OHIO 44036-4026

Country : United States

Chronology :

In November 2015 an incidence of uncommanded function resulting in movement of aerial device was reported on an AH100, resulting in minor damage to equipment. The Parker Pulsar hydraulic pressure control valve that was associated with this movement was delivered to Parker for evaluation. Through inspection and testing, Parker was able to identify a manufacturing defect present in the coil of this Pulsar. Further testing indicated that when exposed to water, the presence of this defect can cause the coil to short to ground. This shorting of the pulsar when the interlock circuit is activated was identified as the cause of the uncommanded movement. The presence of this defect and mode of failure was later found in several other Pulsars associated with uncommanded movement.

Upon this discovery, Parker implemented changes in the manufacturing of these Pulsars to remove defective coils from production runs, and added seals in various locations to reduce the likelihood of water ingress. Altec began using these updated pulsars in production units in January 2016.

There have been no reports of injuries to date.

Description of Remedy :

Description of Remedy Program : Altec will issue CSN 628 to all affected customers 1.) Customers using the affected units should regularly conduct the Daily Preoperational Inspection as described in the Operator's Manual, paying particular attention to any uncommanded function resulting in movement when operating boom and platform functions from the lower controls. Monitoring of performance for signs of malfunction should continue while operating from upper controls. Customers should discontinue use of units showing signs of malfunction and contact Altec for replacement of Pulsars.

2.) Altec will contact remaining customers within 120 days to schedule replacement of all potentially effected Pulsars.

How Remedy Component Differs from Recalled Component : The improved Parker Pulsars are identifiable by either a blue or clear seal with blue printing on the connector end of the wire jacket.

Identify How/When Recall Condition was Corrected in Production : Parker has changed production processes.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : MAR 14, 2016 - MAR 15, 2016

* NR - Not Reported