

Part 573 Safety Recall Report

21V-998

Manufacturer Name : Altec Industries, Inc.**Submission Date :** DEC 20, 2021**NHTSA Recall No. :** 21V-998**Manufacturer Recall No. :** CSN 842**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 : 150

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2017-2021 Altec AN67-E100, AA67-E100, AN67, AA67, AN55-E88

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The affected model units with the involved feature, produced between the affected dates are included in the recall population. The recall population was determined from a review of production records.

Production Dates : JUN 01, 2017 - DEC 17, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The listed models are range limited to prevent handling material with the boom tip jib and winch in extended reach positions. On the affected units, the hydraulic plumbing to the lift cylinders of the lower and upper booms could be connected to the incorrect ports at the blocking valve in the turntable.

When the unit is in the extended reach position, the incorrect plumbing to the lower and upper boom could block the hydraulic flow to the incorrect function allowing the boom to enter restricted boom positions. The defect is present at shipment and does not change during the unit's life.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The operator could move beyond the range limits while using the material handling jib, causing the unit to tip over, resulting in potential injury or death to the worker or those nearby.

Description of the Cause : NR

Identification of Any Warning : A preoperational inspection would detect the defect when the boom is

that can Occur : operated in the restricted boom position with the indicator light is illuminated. The warning system will indicate the unit is in a restricted boom position, but the interlock system will not disable the proper boom function. The operator should use the upper boom zone indicator light at the turntable to determine if material handling is allowed.

Involved Components :

Component Name 1 : Directional Control Valve (Blocking)

Component Description : Directional Control Valve, 2 Position 2 Way, Blocking, 2 Spool

Component Part Number : 990386486

Supplier Identification :

Component Manufacturer

Name : NA

Address : NR

NR

Country : NR

Chronology :

In March of 2021 Altec Service notified aerial product support of 3 units with the platform to ground feature not functioning correctly. Product support communicated the repair procedure to service, and the units were repaired. The incorrect plumbing was believed to be limited to these 3 units. In August of 2021, Altec found additional units with incorrect plumbing and investigated to determine if additional units may be in the field. Altec began to sample the field population and failure mode of the affected units. The investigation found that in the production of these models, a step to verify the range limiting feature was not being completed consistently. On December 17, 2021, Altec determined there was the possibility of additional affected units in the field and decided to issue a defect report. There were no other warranty claims or field reports identified. There have been no accidents, injuries, or deaths related to this issue.

Description of Remedy :

Description of Remedy Program : The remedy will include instruction to inspect the unit for incorrect plumbing and describe the steps required to repair the plumbing at the turntable.

Altec Warranty policy covers the recall remedy, and the remedy will be provided free of charge when the unit is presented for repair.

How Remedy Component Differs from Recalled Component : Once the plumbing is corrected, the hydraulic flow will be blocked to the correct function. The upper boom articulating cylinder flow will be blocked when the lower boom is in the extended reach position and flow to the lower boom extend function will be blocked to prevent the lower boom from entering the extended reach position when the upper boom is outside of the allowed boom position.

Identify How/When Recall Condition was Corrected in Production : Quality controls checks were implemented to improve the test procedure completed on each unit in production to verify that the blocking valve plumbing is correct.

Recall Schedule :

Description of Recall Schedule : Altec will issue CSN 842 to the owners of the affected units. Altec does not have a dealer network and issues letters to owners only.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : FEB 18, 2022 - FEB 18, 2022

* NR - Not Reported