

Part 573 Safety Recall Report

22V-577

Manufacturer Name : Altec Industries, Inc.

Submission Date : JUL 25, 2023

NHTSA Recall No. : 22V-577

Manufacturer Recall No. : CSN 3015; CSN 3097



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 : 594

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2021 Altec AT200A, AT235, AT235P, AT237, AT37G, AT40G, AT41M, CB5-132D-S

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The models with the electrical schematic matching those with the identified wire routing have been included in the recall. The recall population was determined from a review of production records.

Production Dates : MAR 15, 2017 - APR 22, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : A wire routed to the boom stow sensor is supplied with 12-volt power whenever the ignition is on. This wire could be routed over a sharp edge. Road travel and machine use could cause the wire to rub across the sharp edge until the outer jacket of the wire has been compromised. If the wire contacts the metal edge, a short to ground will occur, causing the ignition circuit fuse to blow, opening the circuit.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the ignition circuit fuse blows and opens the ignition circuit, the chassis will lose engine power. This can happen at any state of chassis operation, park or while in gear.

Description of the Cause : NR

Identification of Any Warning : During an annual inspection of wire routing, the chaffing of wires could be that can Occur : identified. There is no other warning that a short could occur.

Involved Components :

Component Name 1 : No specific component involved

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Altec Inc.

Address : 2106 S Riverside Rd
Saint Joseph Missouri 64507-2535

Country : United States

Chronology :

In July of 2021, Altec received a complaint of a chassis losing power during aerial device operation. The root cause was identified as a blown fuse in the ignition circuit due to a compromised insulation on the boom stow wiring. In January 2022, a review of service records identified incidents that had occurred on two units built in the 2018 timeframe. These incidents resulted in the loss of chassis power. The incidents occurred in July 2021 and September 2021. A Potential Field Action investigation was opened on January 21, 2022, to investigate further and determine the cause of the failures. Although no further instances of this failure mode have been identified, on July 29, 2022, Altec determined that a potential defect was present in a certain field population and determined that a field campaign was required. On July 7, 2023, Altec identified that the original repair procedure allowed a secondary failure mode to open the circuit and cut the chassis power. A new notification letter will be mailed to the customers who received the first mailing with instructions to update the units with the revised repair, whether a previous repair was completed. There have been no additional 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 : An ignition-hot relay will be used to provide power to boom out of stow sensor. The remedy adds a relay to the circuit to ensure the chassis wiring will be unaffected if the boom stow circuit is shorted to ground and the power supply to the relay will be fused separately from the ignition circuit. The recall remedy will be completed free of charge when presented for repair. The Altec Warranty Policy covers the recall remedy, including cases requiring reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall.

How Remedy Component Differs from Recalled Component : The remedy adds a relay to the circuit to ensure the chassis wiring will be unaffected if the boom stow circuit is shorted to ground and the power supply to the relay will be fused separately from the ignition circuit.

Identify How/When Recall Condition was Corrected in Production : Altec contained and inspected all units that might have been affected. The production correction added a relay to the circuit to ensure the chassis wiring will be unaffected if the boom rest circuit is shorted to ground and the power supply to the relay will be fused separately from the ignition circuit.

Recall Schedule :

Description of Recall Schedule : Altec will issue CSN-3015 and CSN-3097 to the owners of the affected units. Altec does not have a dealer network and issues letters to owners only.

Planned Dealer Notification Date : SEP 30, 2022 - SEP 30, 2022

Planned Owner Notification Date : SEP 30, 2022 - SEP 01, 2023

* NR - Not Reported