

Part 573 Safety Recall Report

24V-439

Manufacturer Name : Altec Industries, Inc.

Submission Date : JUN 27, 2024

NHTSA Recall No. : 24V-439

Manufacturer Recall No. : CSN-3161



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 : 3,425

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2024 Altec A77-T, A77T-E93, AA55, AA55E, AA60E, AH100B, AH125, AH75B, AM55, AM55-E, AM60, AM60-E, AN50E-OC, AN55, AN55E, AN55E-OC, AN55-OC, AN67, AN67-E100, AN67E-E100, AT41M, AT41ME, AT48M, L42M, LR8 Series, LS60, LS63, LS87, TA50, TA55, TA60

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined from a review of production records based on the chassis used for the unit and the presence of the affected components on the build's BOM.

Production Dates : JAN 01, 2023 - JUN 07, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2023-2024 Altec D3050E, D3055H, D3055E, D3050H, D3060E, D3060H, D4050B, D4065B, DC47, DH45E, DH48E, DH48H, DH50E, DH50H, DL42B, DM45B, DM45E, DM47E, DM47B, DT65E, DT65H, DT85E, DT85H

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined from a review of production records based on the chassis used for the unit and the presence of the affected components on the build's BOM.

Production Dates : JAN 01, 2023 - JUN 07, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 :	2023-2023 Altec AC18-70, EC175, EC955, RL9, T40P, LP108-ES HW80, EB86, GB6, HD35, AC18-70, T40P		
Vehicle Type :			
Body Style :			
Power Train :	NR		
Descriptive Information :	The recall population was determined from a review of production records based on the chassis used for the unit and the presence of the affected components on the build's BOM.		
Production Dates :	JAN 01, 2023 - JUN 07, 2024		
VIN Range 1 : Begin :	NR	End :	NR
			☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance :	The Altec body lighting harness used on the Freightliner chassis may be overloaded in certain light configurations on the Freightliner M2 Plus chassis. Depending on the lighting configuration, this could cause chassis lighting to cut out at unit start-up or sometime after startup. Additionally, a module that separates the trailer lighting circuit from the body lighting circuit could be missing on some Freightliner chassis, which would also cause the body lighting circuit to overload if a trailer was plugged into the unit.
FMVSS 1 :	108 - Lamps, reflective devices, and assoc. Equipment
FMVSS 2 :	NR
Description of the Safety Risk :	When the chassis lighting circuit is overloaded, the vehicle lighting package could fail to illuminate, possibly occurring at startup or any time after. If the lights do not illuminate the vehicle will not comply with 49 CFR 571.108, the Federal Motor Vehicle Safety Standard for lighting. Lights that fail to illuminate can reduce the vehicle's visibility to other drivers, increasing the risk of a crash.
Description of the Cause :	Overloading the chassis lighting circuit can cause a fault and cause body lighting to cut out.
Identification of Any Warning that can Occur :	There is no warning

Involved Components :

Component Name 1 :	Harness
Component Description :	Harness
Component Part Number :	990063691

Component Name 2 : Trailer Light module

Component Description : Trailer Light module

Component Part Number : 991429007

Supplier Identification :

Component Manufacturer

Name : Altec Industries Inc.

Address : 2106 S. Riverside Rd

Saint Joseph Missouri 64507

Country : United States

Chronology :

In September of 2023, Altec unit manufacturing experienced issues with midship marker lights cutting out on M2 Plus chassis with additional marker lights. A solution was developed for units in production and the team continued to investigate root cause of the issue.

No field issues were identified until February 2024, when customers notified Altec that midship lights were intermittently cutting out. During the harness replacement for the customer unit, the technician discovered that the Altec Taillight module was missing. On March 6, 2024, after the field report of lights cutting out and the missing trailer module, Altec decided to open a potential field action investigation. The investigation was to determine the root cause of the light failures, if the lighting harnesses were being modified in production when there was a requirement for additional marker lights, and missing modules and determine if additional units in the field could be affected.

The investigation found that the M2 Plus chassis had a lower current capacity than the legacy M2 chassis models. If the harnesses were split to the left and right of the chassis, the current draw remained within the specifications for the chassis manufacturer. Altec determined that the missing trailer module and the lighting issues were present on specific unit configurations and did not have the same field population and remedy. After reviewing the result of the investigation on June 7, 2024, Altec determined that a potential defect could exist in a certain population of vehicles.

No other warranty claims or field reports were identified in addition to the customer report. There have been no accidents, injuries, or deaths related to this issue.

Description of Remedy :

Description of Remedy Program :	The affected unit's lighting wire harness will be updated to accommodate Altec customer lighting specifications with the M2 Plus chassis, and a trailer module will be added as needed. When presented for repair, the recall remedy will be completed free of charge. 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 harness has separate legs to divide the current draw of the vehicle marker light circuits. The remedy trailer light module separates the trailer lighting circuit from the chassis lighting circuit, reducing the current draw to acceptable levels.
Identify How/When Recall Condition was Corrected in Production :	On June 7, 2024, the remedy harness and trailer module were added to all production BOMs for M2 Plus chassis and all units contained at Altec.

Recall Schedule :

Description of Recall Schedule :	Altec will issue CSN-3161 to the owners of the affected units. Altec does not have a dealer network and issues letters to owners only.
Planned Dealer Notification Date :	AUG 12, 2024 - AUG 12, 2024
Planned Owner Notification Date :	AUG 12, 2024 - AUG 12, 2024

* NR - Not Reported