

Part 573 Safety Recall Report

23V-281

Manufacturer Name : Mack Trucks, Inc.**Submission Date :** NOV 01, 2023**NHTSA Recall No. :** 23V-281**Manufacturer Recall No. :** SC0442**Manufacturer Information :**

Manufacturer Name : Mack Trucks, Inc.

Address : 2100 Mack Boulevard

PO Box M Allentown PA 18105-5000

Company phone : 610-709-2131

Population :

Number of potentially involved : 4

Estimated percentage with defect : 12 %

Vehicle Information :

Vehicle 1 : 2022-2023 Mack LR Battery Electric

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : The population of vehicles is battery electric vehicles equipped with Akasol Generation 3 batteries produced by their Hazel Park Michigan Plant.

Production Dates : MAY 13, 2021 - DEC 14, 2022

VIN Range 1 : Begin : 1M2LRDGC9PM001060 End : 1M2LRDGC4PM001077 Not sequential**Description of Defect :**

Description of the Defect : Coolant Lines in battery pack may not be properly assembled and could result in the loss of coolant and a short in a battery cell.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : With a short in the battery cell there is a risk of a battery fire and subsequent vehicle fire.

Description of the Cause : Manufacturing defect(s) in the assembly of the battery packs due to inadequate process controls and detection of those defects.

Identification of Any Warning that can Occur : There are no warnings associated with this issue

Involved Components :

Component Name 1 : Battery

Component Description : Battery, complete battery pack

Component Part Number : 23364826

Supplier Identification :

Component Manufacturer

Name : Akasol Inc.

Address : 1400 E. 10 Mile Road

Suite 15 Hazel Park Michigan 48030

Country : United States

Chronology :

April 5, 2023 during product reviews of Akasol's batteries at our manufacturing facilities and Akasol's facilities, discrepancies related to battery assembly were detected and this information is brought to the Product Safety Working Group and a safety investigation is opened.

April 12, 2023 Product Safety Working Group meets and reviews findings from our factory and Akasol's battery assembly operations and makes recommendation that this be raised to the product safety committee as potential product safety defect.

April 14, 2023 Product Safety Committee meets and determines a safety defect exists.

April 19, 2023 573 Report Filed with NHTSA.

There have been no warranty claims, field reports, accidents or injuries reported with this issue.

The connection between this recall and previous recall 22V-706 is the same supplier (company) and one of the issues is the same (clip to coolant line) this latest. However the manufacturing sites are different. 22V706 Darmstadt Germany 23V281 Hazel Park Michigan USA and remedy is looking for more than just potentially loose coolant clip.

Description of Remedy :

Description of Remedy Program : Akasol will inspect all Generation 3 batteries produced by their Hazel Park facility on our vehicles. If any manufacturing discrepancies are identified the batteries will be removed and replaced with batteries which do not have any discrepancies

How Remedy Component Differs from Recalled Component : Akasol Gen 3 batteries which have undergone additional screening and inspection by Akasol employees either in the field or at Akasol's assembly plant in Hazel Park Michigan.

Identify How/When Recall Condition was Corrected in Production : Currently these vehicles under our control in production are under a stop shipment pending correction.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin on April 24, 2023 and owner notification begin on June 16, 2023

Planned Dealer Notification Date : APR 24, 2023 - APR 24, 2023

Planned Owner Notification Date : MAY 09, 2023 - MAY 09, 2023

* NR - Not Reported