



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V456

Manufacturer Name: Motiv Power Systems

Submission Date: Jul 08, 2025

NHTSA Recall No.: 25V456

Manufacturer Recall No.:

Manufacturer Information

Population

Manufacturer Name: Motiv Power Systems

Address: 330 Hatch Drive
Foster City CA, 94404

Total number of potentially involved: 55

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2021-2024 MOTIV F-59 CHASSIS

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Other

Fuel / Propulsion: Electric Battery Power

Production Dates: Jan 01, 2021 - Dec 31, 2024

Number of potentially involved: 55

Descriptive Information:

Motiv GEN 6 vehicles of various types based off Ford F59 incomplete chassis and converted to BEV powertrains. None are School Bus.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Our Next Energy (ONE) filed a component recall (25E-022) for their Battery Packs. Motiv installed affected Parts in certain Motiv F59 Products. The ONE recall identified the defect as: An unseated fastener may exist along the center spline of the battery pack. This condition can create a leak path into the battery pack, potentially compromising the electrical isolation or creating a high voltage short circuit (localized heating within the battery pack).

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

ONE described the risk as: Under certain conditions, foreign substance can enter the battery pack

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causing a loss of electrical isolation. This condition may lead to gases venting from the battery pack, smoke, battery fire, or shock hazard

Description of the cause:

ONE described the cause as: The cause of the leak path into the battery pack is an improperly installed fastener into the battery pack's top cover.

Identification of any warning that can occur:

ONE identified the warning as: Foreign substance entering the battery pack will cause the Battery Management System to set an isolation fault sending a DTC signal to the vehicle.

Component Manufacturer

Tier of Supplier: Tier 1

Supplier Type: OEM

Name: Our Next Energy (ONE)

Address: 451 W. 12 Mile Road
Novi MI, 48337

Country: United States

Involved Components

Component Name 1: Fastener

Component Description: M5 x 16mm Thread Forming with Seal

Component Part Number: 000005757

Component Name 2: Aries LFP

Component Description: Battery Pack

Component Part Number: 10108,1633

Chronology

NHTSA had been attempting to contact Motiv regarding the remedy status of the ONE Battery Pack recall. The person contacted at Motiv (Sheldon Swain) did not respond as he left the company several months ago.

Our Next Energy had independently contacted Motiv and asked that Motiv perform the remedy actions.

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Motiv completed the remedy actions on 100% of the affected battery packs, both on vehicles (55 vehicles), and also battery packs in their possession (20 units) for future builds, between October and November of 2024.

Related NHTSA Recall Number: 25E022

Description of Remedy

Remedy Type:

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

ONE provided the remedy description as: Suspect packs will be visually inspected confirming seated fastener with protruding seal against mating surface or vacuum leak tested with negative pressure. Serial numbers will be tracked on a containment work sheet.

If failure is found 1) Check for Isolation 2) HIPOT Test 3) Pull lid for evidence of water 4) If Water Found - De-Energize Pack and return to ONE.... If pass all checks- reassemble top cover, vacuum leak test, and confirm pack is clear of DTC.

How remedy component differs from recalled component:

ONE provided: Battery Pack Serial Numbers will be used to distinguish remedy battery packs from recalled battery packs

Identify how/when recall condition was corrected in production:

ONE provided: 1) Updating the torque controller process parameters to ensure fasteners achieve torque and are seated. Timing TBD 2) Update the assembly process to include negative (vacuum) leak test which will pull the cover inward challenging the joint being leak tested. Please note that positive pressure leak test will also remain in place. 3) Require visual inspection and witness mark of each fastener as a redundant verification for seated fastener condition.

Reimbursement Plan

Description of reimbursement program:

ONE provided: Our Next Energy requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure will be replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant.

Period of reimbursement:

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Recall Schedule

Description of recall schedule:

The remedy actions for 100% of the battery packs in Motiv vehicles or in Motiv possession is complete. ONE had contacted Motiv directly to complete the remedy actions. Motiv does not have a dealer network. Motiv Field Service Technicians completed the actions during regular vehicle inspections. No plan for owner notifications as the recalls have been completed.

Planned Dealer Notification Date:☒ No Dealers**Planned Interim Owner Notification Date:**☒ No Owners**Planned Remedy Owner Notification Date:**☐ Phased Recall**Date when VIN will be searchable:**