



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V261

Manufacturer Name: Motiv Power Systems

Submission Date: Jun 05, 2025

NHTSA Recall No.: 25V261

Manufacturer Recall No.:

Manufacturer Information

Population

Manufacturer Name: Motiv Power Systems

Address: 330 Hatch Drive
Foster City CA, 94404

Total number of potentially involved: 0

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2019-2022 Motiv Gen 5

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Electric Battery Power

Production Dates: Jan 01, 2019 - Dec 31, 2022

Number of potentially involved:

Descriptive Information:

Non-School Bus units.

Vehicle 2: 2019-2022 Motiv Gen 5 F59

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Electric Battery Power

Production Dates: Jan 01, 2019 - Dec 31, 2022

Number of potentially involved:

Descriptive Information:

Non-School Bus units.

Defect / Noncompliance Description

Description of the defect or noncompliance:

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Motiv Power Systems, Inc. has determined that on certain vehicles converted to a Motiv electric powertrain, a bracket that supports a fuse box and the main power disconnect switch could fatigue over time and break, potentially resulting in the terminals on the switch making contact with conductive surfaces and causing a short that could shut down the high voltage system. This, in turn could result in a loss of vehicle power.

FMVSS1:

FMVSS2:

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

Loss of propulsion while the vehicle is in motion could increase the risk of a crash.

Description of the cause:

Bracket fatigue due to the mass of the disconnect switch and vehicle vibration inputs.

Identification of any warning that can occur:

None.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name:

Address:

Country:

Involved Components

Component Name 1: Fuse box / Shut off switch Bracket

Component Description: Fuse box / Shut off switch Bracket

Component Part Number: 600-107451-001

Chronology

3/20/2025: Motiv received a customer report alleging a loss of power on a Motiv Gen 5 F-59 vehicle. The customer reported a loss of power while driving. Motiv immediately grounded the vehicle and began an investigation of the incident. 3/21/2025: Motiv field technicians conducted an inspection of the affected vehicle. That inspection determined the vehicle had experienced a loss of power due to the terminals on the main disconnect switch shorting against other conductive surfaces. 3/21 – 4/15/2025: Motiv

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conducted additional analysis and testing to identify a failure or malfunction that may have led to a reported loss of power. The investigation determined that a bracket failure caused by unsupported harness weight that in turn resulted in terminals on the main disconnect switch contacting conductive surfaces and shorting – shutting down the high voltage system. The loss of high voltage was responsible for the loss of vehicle power. 4/15/2025 Based on its investigation and analysis, Motiv concluded that a potential safety risk could not be ruled out and decided to conduct a recall. Motiv is currently aware of 2 field reports (including warranty claims, field reports, and service reports) received in the US potentially related to this defect. Motiv is not aware of any reported crashes, injuries, or property damage in connection with the defect.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Replace

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

Motiv field support technicians will replace the bracket on all potentially affected vehicles with a more robust design. There will be no charge for this service. In the unlikely event that the vehicle owner has previously incurred costs to remedy this potential defect, Motiv will reimburse the owner for reasonable costs of that repair.

How remedy component differs from recalled component:

Bracket Part Number

Identify how/when recall condition was corrected in production:

Reimbursement Plan

Description of reimbursement program:

Period of reimbursement:

Costs to be reimbursed:

Address for reimbursement claims:

Recall Schedule

Part 573 Safety Recall Report**25V261****Description of recall schedule:**

Planned Owner Notification Date: On or before 6/13/2025

Planned Dealer Notification Date: No Dealers**Planned Interim Owner Notification Date:** No Owners**Planned Remedy Owner Notification Date:** Jun 13, 2025 - Jun 13, 2025 Phased Recall**Date when VIN will be searchable:**