



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V326

Manufacturer Name: Daimler Trucks North America, LLC

Submission Date: May 19, 2025

NHTSA Recall No.: 25V326

Manufacturer Recall No.: F1020

Manufacturer Information

Population

Manufacturer Name: Daimler Trucks North America, LLC
Address: 4747 N. Channel Avenue
Portland OR, 97217-3849

Total number of potentially involved: 21,560
Estimated percentage with defect: 1%

Vehicle Information

Vehicle 1: 2020-2026 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Other

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Mar 19, 2019 - May 14, 2025

Number of potentially involved: 9,579

Descriptive Information:

The recall population includes certain model year 2021-2026 Western Star 47X and model year 2020-2026 49X vehicles produced from start of production to May 19, 2025 configured with a positive junction point stud that connects the battery and/or auxiliary power distribution to starter at the frame rail which may have been installed incorrectly. Vehicles outside the recall population have different design configurations that does not have the suspect junction point stud subject to the same installation process.

Vehicle 2: 2021-2026 WESTERN STAR 47X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Other

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jul 08, 2020 - May 08, 2025

Number of potentially involved: 11,981

Descriptive Information:

The recall population includes certain model year 2021-2026 Western Star 47X and model year 2020-2026 49X vehicles produced from start of production to May 19, 2025 configured with a positive junction point stud that connects the battery and/or auxiliary power distribution to starter at the frame rail which may have been installed incorrectly. Vehicles outside the recall population have different design

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configurations that does not have the suspect junction point stud subject to the same installation process.

Defect / Noncompliance Description

Description of the defect or noncompliance:

A defect, which relates to motor vehicle safety, exists in certain model year 2021-2026 Western Star 47X and 49X vehicles with a positive junction point stud that connects the battery and/or auxiliary power distribution to starter at the frame rail which may have been installed incorrectly.

FMVSS1:

FMVSS2:

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

If the positive junction point stud was installed incorrectly this can result in a short circuit increasing the risk of a thermal event or vehicle fire.

Description of the cause:

Identification of any warning that can occur:

Drivers may experience a slow or no crank when starting their vehicle. Driver may visually observe corrosion present around the stud and/or cable lug.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name: Daimler Truck North America

Address: 4747 N. Channel Avenue
Portland OR

Country: United States

Involved Components

Component Name 1: Stud

Component Description: STUD,ELEC,3/8,RED

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Component Part Number: 23-13718-006

Chronology

Between March 2023 – March 2024, DTNA received five reports of corrosion at the battery jump stud received from units domiciled in the US and Canada. In December 2023, DTNA was notified of a fire located at the junction stud. An additional report of melted cables at the junction stud was received in February 2024. In early March 2024, DTNA received two reports of incorrect cable lug orientation. Based on this activity, DTNA initiated an investigation of the incidents reported in corrosive regions of the US and Canada. In August 2024, an analysis of the topic concluded that a field action was not warranted at that time due to a low rate of frequency in conjunction with sufficient detectability of the condition, including during a pre or post trip inspection. DTNA presented this topic to NHTSA (between May - September 2024) as part of its ongoing, regular meetings with the agency.

Subsequently, between February – March 2025, DTNA received, several additional field reports across the North American market of localized fires and/or melted/burnt studs. This prompted DTNA to renew its investigation, including by conducting an analysis of the configurations of the junction point stud, reviewing installation diagrams, the manufacturing processes at various assembly facilities and an analysis of warranty claims / past reported events. Following this review, an increased number of thermal events was identified with units built at certain manufacturing facilities, ranging from melted or burnt components to isolated vehicle fires. Based on this information, on May 12, 2025, DTNA decided to conduct a recall to address this issue for the units in the affected markets. DTNA is aware of approximately 36 potentially related warranty claims and 15 potentially related field reports (dated between March 2023 through March 2025). There have been no reports of death or injury related to this issue.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type:

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

DTNA is preparing remedy which is currently under development. Repairs will be performed free of charge by Daimler Truck North America authorized service facilities. Details of the reimbursement plan will be included in the owner's notification letter. Owners are directed to seek reimbursement through authorized dealers.

How remedy component differs from recalled component:

Identify how/when recall condition was corrected in production:

On 05.19.2025 DTNA implemented updated production processes including revised torque

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specifications, consistent application of dielectric paint and added additional inspection for proper orientation of the cable lug.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected.

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:**