



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: Jun 23, 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: 22,271
Estimated percentage with defect: 1%

Vehicle Information

Vehicle 1: 2025-2026 WESTERN STAR 47X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Truck

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jun 20, 2024 - May 07, 2025

Number of potentially involved: 7,950

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: 2023-2026 WESTERN STAR 47X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Feb 11, 2022 - May 13, 2025

Number of potentially involved: 12,680

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

Part 573 Safety Recall Report**25V326**

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

Vehicle 3: 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 12, 2025

Number of potentially involved: 12,709

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 4: 2020-2020 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Other

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Mar 20, 2019 - Aug 21, 2019

Number of potentially involved: 15

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 5: 2021-2021 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Other

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Feb 10, 2020 - Dec 22, 2020

Number of potentially involved: 112

Part 573 Safety Recall Report

25V326

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 6: 2022-2022 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Other

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Dec 23, 2020 - Jan 19, 2022

Number of potentially involved: 887

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 7: 2023-2023 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Other

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jan 19, 2022 - Mar 24, 2023

Number of potentially involved: 1,037

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

Vehicle 8: 2024-2024 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Other

Part 573 Safety Recall Report**25V326****Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jan 11, 2023 - Jan 23, 2024**Number of potentially involved:** 2,332**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 9: 2025-2025 WESTERN STAR 49X**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:** Other**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jan 02, 2024 - Jan 15, 2025**Number of potentially involved:** 3,929**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 10: 2026-2026 WESTERN STAR 49X**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:** Other**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jan 06, 2025 - May 14, 2025**Number of potentially involved:** 1,250**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.

Part 573 Safety Recall Report**25V326****Vehicle 11:** 2020-2020 WESTERN STAR 49X**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:** Tractor**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Mar 19, 2019 - Aug 26, 2019**Number of potentially involved:** 15**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 12: 2021-2021 WESTERN STAR 49X**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:** Tractor**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jun 25, 2020 - Dec 18, 2020**Number of potentially involved:** 112**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 13: 2022-2022 WESTERN STAR 49X**Product Category:** Buses, Medium & Heavy Vehicles**Product Type:** Tractor**Fuel / Propulsion:** Compression Ignition Fuel**Production Dates:** Jan 04, 2021 - Jan 19, 2022**Number of potentially involved:** 887**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

Part 573 Safety Recall Report**25V326**

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

Vehicle 14: 2023-2023 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jan 19, 2022 - Jan 12, 2023

Number of potentially involved: 1,037

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 15: 2024-2024 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jan 10, 2023 - Jan 20, 2024

Number of potentially involved: 2,332

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 16: 2025-2025 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jan 03, 2024 - Feb 04, 2025

Number of potentially involved: 3,929

Part 573 Safety Recall Report

25V326

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 17: 2026-2026 WESTERN STAR 49X

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Jan 06, 2025 - May 13, 2025

Number of potentially involved: 1,250

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.

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

Part 573 Safety Recall Report

25V326

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

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.

On May 30, 2025, DTNA amended its Part 573 Report to increase the affected vehicle population, having refined the analysis of the number of potentially affected vehicles and out of an abundance of caution adding vehicles from a manufacturing plant not associated with any known warranty claims ,

Part 573 Safety Recall Report

25V326

field reports or reports of death or injury related to this issue. Additionally, DTNA added Owner and Dealer notification dates.

On June 4, 2025 DTNA amended its Part 573 Report to resubmit Dealer and Owner Notification dates as the previous two attempts did not save in the recall portal.

On June 23, 2025 DTNA amended its Part 573 Report to provide a description of the final remedy for this recall.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type:

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

A Daimler Truck North America authorized service facility will inspect and replace damaged cables and loose hardware, apply proper torque and dielectric paint. 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 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.

Part 573 Safety Recall Report**25V326****Planned Dealer Notification Date:** Jun 08, 2025 - Jun 08, 2025 No Dealers**Planned Interim Owner Notification Date:** Jul 18, 2025 - Jul 18, 2025 No Owners**Planned Remedy Owner Notification Date:** Phased Recall**Date when VIN will be searchable:**