

Part 573 Safety Recall Report

24V-668

Manufacturer Name : Daimler Trucks North America, LLC**Submission Date :** SEP 10, 2024**NHTSA Recall No. :** 24V-668**Manufacturer Recall No. :** F1009**Manufacturer Information :****Population :**

Manufacturer Name : Daimler Trucks North America, LLC

Number of potentially involved : 16,808

Address : 4747 N. Channel Avenue

Estimated percentage with defect : 100 %

Portland OR 97217-3849

Company phone : 800-745-8000

Vehicle Information :

Vehicle 1 : 2024-2025 Freightliner 108SD

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : JUN 07, 2023 - JUL 27, 2024

VIN Range 1 : Begin : NR

End : NR

 Not sequential

Vehicle 2 : 2022-2025 Freightliner 114SD

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : NOV 09, 2021 - JUL 31, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2024-2025 Freightliner 114SD

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : CNG/LPG

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : NOV 07, 2023 - JUL 12, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2025-2025 Freightliner eM2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : APR 09, 2024 - JUL 24, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2022-2025 Freightliner Business Class M2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : NOV 04, 2021 - JUL 31, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2024-2024 Freightliner Business Class M2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : JUL 14, 2023 - JUL 14, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2024-2025 Freightliner Business Class M2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : CNG/LPG

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : NOV 07, 2023 - JUL 10, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2021-2025 Western Star 47X

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : AUG 21, 2020 - JUL 31, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2020-2025 Western Star 49X

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : AUG 26, 2019 - JUL 31, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2022-2025 Western Star 57X
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 Freightliner 114SD, model year 2025 Freightliner eM2, model year 2022- 2025 Freightliner Business class M2, model year 2021- 2025 Western Star 47X, model year 2020-2025 Western Star 49X and model year 2022-2025 Western Star 57X vehicles which may have or could be upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC) and the factory installed brake lights removed. The population was determined based on a review of production records for vehicles produced with the applicable option codes. Vehicles without all of the applicable option codes are not affected by this issue.

Production Dates : NOV 03, 2021 - JUL 08, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : A defect, which relates to motor vehicle safety, exists in certain model year 2024-2025 Freightliner 108SD, model year 2022- 2025 114SD, model year 2025 eM2 and model year 2022- 2025 Business class M2, model year 2021- 2025 47X, model year 2020-2025 49X and model year 2022-2025 57X . The affected vehicles may have been upfitted by Truck Equipment Manufacturers (TEMs) with an optional Body lighting TEMs Interface Controller (BTIC). If the BTIC is utilized by the vehicle upfitter and the factory installed brake lights removed, if the service brakes are automatically applied during an Active Brake Assist (ABA) event, the brake lights will not illuminate.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the vehicle's brake lights do not illuminate during an ABA event, following traffic may not observe the vehicle's reduced speed or stopping, which may increase the risk of a crash.

Description of the Cause : Software for the expansion module controller was erroneously configured to only control the activation of the brake lights based on the status of the service brake switch.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : XCM Parameters

Component Description : PARM-XMC

Component Part Number : 026 447 19 46-005

Component Name 2 : XCM Parameters

Component Description : PARM-XMC

Component Part Number : 026 447 21 46

Component Name 3 : XCM Parameters

Component Description : PARM-XMC

Component Part Number : 033 447 37 46

Component Name 4 : XCM Parameters

Component Description : PARM-XMC

Component Part Number : 034 447 26 46

Component Name 5 : XCM Parameters

Component Description : PARM-XMC

Component Part Number : 034 447 27 46

Component Name 6 : XCM Parameters

Component Description : PARM-XMC

Component Part Number : 033 447 56 46-002

Component Name 7 : XCM Parameters

Component Description : PARM-XMC

Component Part Number : 025 447 29 46-003

Supplier Identification :**Component Manufacturer**

Name : DAIMLER TRUCK NORTH AMERICA

Address : 4555

NORTH CHANNEL AVENUE Portland Oregon 48084

Country : United States

Chronology :

Refer attached chronology.

Description of Remedy :

Description of Remedy Program : A Daimler Truck North America authorized service facility will update the software parameter to correct the issues. 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 : DTNA developed a parameter to correct this issue, the new parameter will include ABA events in the logic for expansion module controller brake lamp output, thereby correcting the issue with the BTIC (Body Lighting TEMs Interface Connector)

Identify How/When Recall Condition was Corrected in Production : DTNA developed a parameter to correct this issue which was introduced into production on or about August 1, 2024. The new parameter will include ABA events in the logic for expansion module controller brake light output, thereby correcting the issue with the BTIC (Body Lighting TEMs Interface Controller).

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 : SEP 30, 2024 - SEP 30, 2024

Planned Owner Notification Date : NOV 09, 2024 - NOV 09, 2024

* NR - Not Reported