

Part 573 Safety Recall Report

24V-511

Manufacturer Name : Daimler Trucks North America, LLC

Submission Date : JUL 03, 2024

NHTSA Recall No. : 24V-511

Manufacturer Recall No. : F1006



Manufacturer Information :

Manufacturer Name : Daimler Trucks North America, LLC

Address : 4747 N. Channel Avenue
Portland OR 97217-3849

Company phone : 800-745-8000

Population :

Number of potentially involved : 37

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2024 FCCC S2C 106 Cab & Chassis

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2023, 2024 and 2025 Freightliner Custom Chassis S2RV 106 & S2C 106 Cab & Chassis with specific software parameters. The recall population was determined through production records.

Production Dates : JAN 18, 2023 - JUN 26, 2023

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 2 : 2024-2025 FCCC S2RV 106 Cab & Chassis

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population includes certain model year 2023, 2024 and 2025 Freightliner Custom Chassis S2RV 106 & S2C 106 Cab & Chassis with specific software parameters. The recall population was determined through production records.

Production Dates : AUG 25, 2022 - FEB 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 2023, 2024 and 2025 Freightliner Custom Chassis S2RV 106 and S2C 106 Cab & Chassis. If the service brakes are applied during an Active Brake Assist (ABA) event, the brake lamps will not illuminate.

FMVSS 1 : NR

FMVSS 2 : NR

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

Description of the Cause : An error in the configuration of the software for the expansion module controller was configured to only control the activation of the brake lamps based on the status of the service brake switch.

Identification of Any Warning that can Occur : None.

Involved Components :

Component Name 1 : XCM Parameter

Component Description : FSC OUTPUTBLOCK 1_12 XMC1 FCCC

Component Part Number : 032 447 98 46

Component Name 2 : XCM Parameter

Component Description : FSC OUTPUTBLOCK 1_12 FCCC

Component Part Number : 032 447 68 46

Supplier Identification :

Component Manufacturer

Name : DAIMLER TRUCK NORTH AMERICA

Address : 4555
NORTH CHANNEL AVENUE Portland Oregon 48084

Country : United States

Chronology :

During the course of internal testing of certain unreleased software that took place during the week of June 3rd, 2024, it was observed that with the particular software, the vehicle brake lamps would not illuminate during Active Brake Assist (ABA) events where the vehicle’s service brakes are automatically applied. These observations led DTNA to initiate an investigation into whether vehicles in the field using other software packages may experience the same results. Upon further review, it was found that in vehicles with another software package, while the brake lamps would illuminate when the service brakes were manually activated,

the brake lamps would not illuminate during an ABA event when the service brake are manually activated by the system. On June 27, 2024, DTNA decided to conduct a safety recall to address this issue. DTNA is not aware of any warranty claims, field service reports, deaths, injuries or property damage claims related to this issue.

Description of Remedy :

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| 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 : | DTNA is developing a parameter to correct this issue, the new parameter will include ABA events in the logic for XMC brake lamp output. |
| Identify How/When Recall Condition was Corrected in Production : | A new software parameter is being developed that will will include ABA events in the logic for brake lamp output. |

Recall Schedule :

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| 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 : | JUL 23, 2024 - JUL 23, 2024 |
| Planned Owner Notification Date : | SEP 01, 2024 - SEP 01, 2024 |

* NR - Not Reported