Part 573 Safety Recall Report 25V-046

Manufacturer Name : Daimler Trucks North America, LLC
Submission Date : APR 28, 2025
NHTSA Recall No. : 25V-046
Manufacturer Recall No. : F1017

NHTSA
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

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 : 810
Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2020-2025 Freightliner eCascadia
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : HYBRID ELECTRIC
Descriptive Information : A defect, which relates to motor vehicle safety, exists in certain Model Year 2020 – 2025 Freightliner eCascadia and Model Year 2022-2026 eM2 vehicles. The affected vehicles are equipped with Electric Vehicle Power Distribution Module (EVDM). The recall population consists of vehicles manufactured from the start of production through January 2025, when the updated EVDM was fully implemented in production.
Production Dates : AUG 11, 2020 - JAN 13, 2025
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 : 2022-2026 Freightliner eM2
Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES
Body Style : OTHER
Power Train : HYBRID ELECTRIC
Descriptive Information : A defect, which relates to motor vehicle safety, exists in certain Model Year 2020 – 2025 Freightliner eCascadia and Model Year 2022-2026 eM2 vehicles. The affected vehicles are equipped with Electric Vehicle Power Distribution Module (EVDM). The recall population consists of vehicles manufactured from the start of production through January 2025, when the updated EVDM was fully implemented in production.
Production Dates : APR 12, 2021 - JAN 16, 2025
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 2020-2025 Freightliner eCascadia and Model Year 2022-2026 eM2 vehicles. The affected vehicles are equipped with Electric Vehicle Power Distribution Module (EVDM) where the connector plate assembly may pull away from and eventually separate from the housing, causing the pins to disconnect from one or more circuits.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	The effects of the EVDM connector plate separating from the housing depend upon the circuit(s) that become disconnected. In the worst case, this may result in a loss of motive power to the vehicle without advanced warning, increasing the risk of a crash.
Description of the Cause :	NR
Identification of Any Warning that can Occur :	Depending on the circumstances and the circuit(s) that become disconnected, in some instances the driver may notice several instrument cluster messages and telltale lamps before the vehicle loses power.

Involved Components :

Component Name 1 :	EVDM
Component Description :	Electric Vehicle Power Distribution Module
Component Part Number :	A66-30613-000

Component Name 2 :	EVDM
Component Description :	Electric Vehicle Power Distribution Module
Component Part Number :	A66-35242-000

Supplier Identification :

Component Manufacturer

Name :	PKC Group
Address :	27500 Drake Rd Suite 250 Farmington Hills Michigan 48331
Country :	United States

Chronology :

Refer to attached chronology.

Description of Remedy :

Description of Remedy Program :	DTNA will inspect the Electric Vehicle Power Distribution Module (EVDM) on affected vehicles. If the EVDM plate is found to have been manufactured on or after 10/7/2024, the point at which the supplier implemented an enhanced EVDM retention process no further action is required. If the EVDM manufacture date is prior to 10/7/2024, then if the EVDM shows signs of separation it will be replaced and, if not, it will receive reinforcement. 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 :	Vehicles with the remedy component will have an EVDM that sufficiently adheres to the connector plate.
Identify How/When Recall Condition was Corrected in Production :	DTNA fully implemented the updated EVDM in production mid January 2025.The EVDM supplier implemented an enhanced retention feature in production beginning October 7, 2024.

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 :	FEB 19, 2025 - FEB 19, 2025
Planned Owner Notification Date :	JUN 30, 2025 - JUN 30, 2025

* NR - Not Reported