

Part 573 Safety Recall Report

20V-787

Manufacturer Name : Daimler Trucks North America, LLC**Submission Date :** DEC 16, 2020**NHTSA Recall No. :** 20V-787**Manufacturer Recall No. :** FL-870**Manufacturer Information :****Population :**

Manufacturer Name : Daimler Trucks North America, LLC

Number of potentially involved : 28

Address : 4747 N. Channel Avenue

Estimated percentage with defect : NR

Portland OR 97217-3849

Company phone : 800-745-8000

Vehicle Information :

Vehicle 1 : 2021-2021 Thomas Built Buses Saf-T-Liner C2 Jouley

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Electric School Buses equipped with a suspect Electronic Control Unit (ECU) configured with Hill Start Assist.

Production Dates : DEC 11, 2019 - AUG 04, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : On the affected vehicles, if the service brake pedal is pressed and then released while the park brake is engaged, the Hill Start Assist function of the service brake in combination with the anti-compounding function of the vehicle may release the parking brake for up to 3 seconds

FMVSS 1 : 121 - Air brake systems

FMVSS 2 : NR

Description of the Safety Risk : FMVSS 121 S5.6.4 requires the park brake controls be separate from service brake controls, but in this situation, the non-compounding brake feature of the vehicle in combination with Hill Start Assist will disengage the park brakes when the service brake pedal is pressed and released. This disengagement of the park brakes may be unexpected with a low level of service brake engagement. An unexpected disengagement of the parking brake without continual application of the service brake may allow the vehicle to roll freely, increasing the risk of a vehicle crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Electronic Control Unit (ECU)

Component Description : ECU-ESC,4S4M,E4.9,PRGRM,HSA

Component Part Number : WAB400 862 902 0

Supplier Identification :**Component Manufacturer**

Name : ZF WABCo

Address : NR

NR

Country : NR

Chronology :

December 2020, potential disengagement of the parking brake after service brake application was identified, when DTNA Engineering was performing a vehicle test. DTNA notified the supplier of the findings. The supplier provided feedback of current parameters and activation sequence of Hill Start Assist. DTNA began an investigation of the issue, including the population, warranty, and regulation review and failure mode replication. Further review indicated a potential non-compliance to FMVSS 121 S.5.6.4 of park brake and service brake isolation. December 10, 2020, DTNA decided to conduct a voluntary non-compliance recall on certain school buses equipped with certain ECU and software versions.

Description of Remedy :

Description of Remedy Program : Vehicles will receive an updated software version onto the ECU. Repairs will be performed by Daimler Trucks North America authorized service facilities. Details of the reimbursement plan will be included in the owner's notification letter.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

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 13, 2021 - FEB 13, 2021

Planned Owner Notification Date : FEB 13, 2021 - FEB 13, 2021

* NR - Not Reported