

Defect / Noncompliance Information Report

(Section 573.6)

FL-961

Date of Submission: December 9, 2022

Manufacturer: Daimler Truck North America LLC
P.O. BOX 3849
Portland, Oregon 97208

Type of Report: Safety Defect Non-Compliance

Vehicle Information

Model Yr. Start: 2021

Model Yr. End: 2022

Make: Freightliner Custom Chassis Corporation (FCCC)

Model: MT50e

Production Dates: **Begin:** November 5, 2020 **End:** April 11, 2022

Descriptive Information: *DTNA discovered a potential for noncompliance with FMVSS 102 in certain Freightliner Custom Chassis MT50e model electric walk-in vans are equipped with a certain rotary knob managing transmission shift position functionality. This rotary knob was not used in vehicle production, so no new vehicles are affected; the affected knob was only used in repairing a prior defect under recall FL934. A software failure, that is immediately found on the Stalk Switch, Right rotary shifter upon first installation and use, produces the following effect: if the stalk is positioned in the "P" position, the value of reverse is broadcasted putting the truck and cluster in reverse; if the stalk is positioned in the "R" position, the value of neutral is broadcasted putting the truck in Neutral. Out of abundance of caution, DTNA elected to recall a group of MT50e units that had the Stalk Switch Right, rotary shifter replaced within the remedy of FL934. Separately, DTNA is sequestering all affected parts and, if any got into the aftermarket, complementing the vehicle recall with a parallel parts recall.*

NOTE:

- Identify by body style or type. – MT50e, electric walk-in van

Basis for Determination of the Recall Population: At the current time, MT50e electric walk-in vans built from November 5, 2020 to April 11, 2022 that have received the remedy to recall FL934 are included in the recall population.

Number potentially involved: 23

Estimated percentage of involved with defect: 100%

Defect / Noncompliance Description

For this Defect/Noncompliance:

Describe the defect or noncompliance:

MT50e electric walk-in vans are equipped with a rotary DNRP selector. FCCC Engineering conducted testing on a part determined to have failed at first use from a dealer and bodybuilder. The stalk switch in testing produced a mismatch between the Shifter Indicator and the Gear of the Truck and Display. This is a noncompliance with FMVSS 102 S3.1.4, which requires that "identification of shift positions, including ... the position selected, shall be displayed in view of the driver" under certain conditions.

Describe the safety risk:

Non-compliance and the incorrect indication of transmission selection could result in an unintended shift into reverse and potentially a crash.

Identify any warning which can precede or occur:

As the defect will only occur while a vehicle is being repaired, a cautious technician or driver may notice a disagreement between the cluster display and the gear selection and, presuming the normal procedure to chock wheels of a vehicle being repaired, will likely notice no more than the vehicle struggling against the chock blocks.

If applicable, identify the manufacture of the defective or noncompliant component:

BCS Automotive Interface Solutions (BCS-AIS; BCS)

Involved Components

Component Name: Stalk Switch Right Shifter

Component Description: Stalk Switch Right Shifter with Park Position

Component Part Number: DTNA: 06-87751-008 BCS: 17045623-01

Component's country of origin: PCB is assembled and flashed in Radolfzell, Germany and the final Assembly is done in Benesov, Czech Republic

Business address:

BCS Automotive Interface Solutions GmbH

Industriestr. 2-8

78315 Radolfzell

Germany

Business telephone number: +49 7732 809 798

Chronology of Defect / Noncompliance Determination

Provide the chronology of events leading up to the defect decision or test data for the noncompliance decision:

On December 5, 2022, FCCC engineering alerted Quality of a defect discovered at the bodybuilder and confirmed to be a supplier software defect during testing. DTNA, through its subsidiary FCCC, immediately began an investigation. December 9, 2022 out of an abundance of caution, DTNA decided to conduct a voluntary recall on MT50e walk-in vans based on the potential for a noncompliance with FMVSS 102.

Identify the Remedy

Describe the defect/noncompliance remedy program, including the manufacture's plan for reimbursement.

Inspection and repair of the Stalk Switch Right Shifter, if required, will be performed by Daimler Truck North America authorized service facilities. Daimler Truck North America shall be offering a refund for owner-paid repairs covered by this recall if the repair was performed prior to the date indicated in the reimbursement plan, which will be posted with owner's notification letter. Owners are directed to seek reimbursement through authorized dealers.

Identify the Recall Schedule

Describe the recall schedule for notifications.:

Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected.

Planned Dealer Notification Begin Date:	February 6, 2023
Planned Dealer Notification End Date:	February 6, 2023
Planned Owner Notification Begin Date:	February 6, 2023
Planned Owner Notification End Date:	February 6, 2023

Does DTNA plan to file inconsequentiality petition? Yes No

Manufacturer's identification code for this recall (if applicable): FL-961

DTNA Representative;

Sam Geser

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Manager, Compliance and Regulatory Affairs