

Defect Information Report

(Section 573.6)

FL-879

Date of Submission: *February 25, 2021*

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

Type of Report: **Safety Defect** **Non-Compliance**

Vehicle Information

Model Yr. Start: 2019 **Model Yr. End:** 2020
Make: *Freightliner Custom Chassis* **Model:** XBA Chassis
Production Dates: **Begin:** 7/24/2018 **End:** 9/24/2019

Descriptive Information: *Cummins states per NHTSA filing 21E-014, "The recalled population consists of certain engines that are equipped with Engine Control Module calibration Customer Software Interface Options DO2090500, DO2090900, DO9665200, and DO9844100. This recall involves all B6.7N engines with these specific calibrations that support SAE J1939 datalink communications at 500k baud rate. Engines with other calibrations that support SAE J1939 datalink communications at 250k baud rate are not affected."*

Number potentially involved: 35 **Estimated percentage of involve with defect:** 100%

Defect / Noncompliance Description

For this Defect/Noncompliance:

Describe the defect or noncompliance: *Cummins states per NHTSA filing 21E-014, "To perform their function, certain electronic controllers on the vehicle may send datalink TSC1 messages requesting the engine to limit engine speed or torque. These electronic controllers, if the vehicle is so equipped, may perform safety-related functions, such as vehicle braking control, vehicle traction control, vehicle stability control, vehicle speed control, or vehicle collision avoidance or other functions. Due to a software calibration error in the subject calibration options, the subject engines may not limit engine speed or torque when such a device requests the limit via J1939 datalink TSC1 messages."*

Describe the safety risk: *Cummins states per NHTSA 21E-014, "Diminished performance of safety-related functions of certain electronic controllers of the vehicle may increase the risk of a crash."*

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

*Mark Wilson Director - Product Safety 812-377-7543,
Cummins Inc.
Box 3005, Mail Code 41303
Columbus IN 47202-3005*

Chronology of Defect / Noncompliance Determination

Provide the chronology of events leading up to the defect decision or test data for the noncompliance decision.: *February 22, 2021, DTNA was notified of an equipment recall (21E-014) by its supplier, Cummins Inc. DTNA opened an investigation to determine the scope of the issue. Cummins has provided a list of DTNA vehicles that are affected, and DTNA found 198 vehicles across North America (194 US, 4 CAN) operating in the field with the identified engine serials. DTNA has not received any reports related to diminished performance on safety related functions as it relates to TSC1 messages on the identified DTNA vehicles. February 24, 2021, DTNA decided to conduct a voluntary safety companion recall of the affected vehicles.*

Identify the Remedy

Describe the defect/noncompliance remedy program, including the manufacture's plan for reimbursement.: *Repairs will be performed by Cummins Inc. authorized service facilities by recalibrating the Engine Control Module with a corrected calibration. DTNA will work with Cummins for the repair procedure in the field. Copies of the reimbursement plan will be submitted as a supplemental report when available.*

Identify the Recall Schedule

Describe the recall schedule for notifications.: *Customer notification will be made by first class mail by Cummins Inc. using Daimler Trucks North America records to determine the customers affected.*

Planned Dealer Notification Begin Date:	<i>04/25/2021</i>
Planned Dealer Notification End Date:	<i>04/25/2021</i>
Planned Owner Notification Begin Date:	<i>04/25/2021</i>
Planned Owner Notification End Date:	<i>04/25/2021</i>

Manufacture's identification code for this recall (if applicable): *FL-879*

DTNA Representative;



Larissa Stoffels
Executive Manager, Vehicle Safety
Compliance and Regulatory Affairs