

Part 573 Safety Recall Report

21E-014

Manufacturer Name : Cummins, Inc.

Submission Date : FEB 24, 2021

NHTSA Recall No. : 21E-014

Manufacturer Recall No. : C2409



Manufacturer Information :

Manufacturer Name : Cummins, Inc.

Address : Box 3005, Mail Code 41303
Columbus IN 47202-3005

Company phone : 812-377-5000

Population :

Number of potentially involved : 267

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Cummins Westport Inc.

Model : B6.7N

Part No. : D1H3001BX03

Size : NR

Function : Natural Gas Eng

Descriptive Information : 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.

Production Dates : FEB 06, 2018 - SEP 01, 2019

Description of Defect :

Description of the Defect : 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.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Diminished performance of safety-related functions of certain electronic controllers of the vehicle may increase the risk of a crash.

Description of the Cause : The cause is a calibration error.

Identification of Any Warning : None.
that can Occur :

Involved Components :

Component Name : Application Control Data

Component Description : Engine Control Module software calibration data

Component Part Number : 5670637

Component Name : Application Control Data

Component Description : Engine Control Module software calibration data

Component Part Number : 5670641

Supplier Identification :

Component Manufacturer

Name : N/A

Address : NR

NR

Country : NR

Chronology :

December 10, 2020 – An OEM reported to Cummins Westport that an engine was not properly responding to a J1939 TSC1 message during testing with adaptive cruise control at the OEM.

December 11-16, 2020 – Cummins Westport investigated and confirmed the report.

December 11, 2020 – January 27, 2021 – Cummins Westport determined root cause and developed and released a calibration to correct the issue.

January 22 – February 9, 2021 – Cummins Westport and Cummins evaluated the potential safety implications of the issue and reviewed the issue with the Cummins Product Safety Defect Board.

February 10, 2021 – The Cummins Westport Board of Directors decided to conduct a safety campaign. To date,

there have been no reports of accidents or injuries due to this condition.

Description of Remedy :

Description of Remedy Program : Cummins Westport and Cummins will conduct a safety campaign to recalibrate the Engine Control Module with a corrected calibration.

Pursuant to 49 CFR 577.11(e), Cummins Westport requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure would have been replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant to 573.13.

How Remedy Component Differs from Recalled Component : The corrected calibration will have a new version number.

Identify How/When Recall Condition was Corrected in Production : A corrected calibration was released for production on January 27, 2021 and for service on January 16, 2021.

Recall Schedule :

Description of Recall Schedule : Cummins will execute this recall on behalf of Cummins Westport. Cummins expects to notify affected OEMs no later than February 26, 2021. Cummins will conduct the recall and notify owners. The necessity and timing of owner notification will be determined in consultation with the affected OEMs. Cummins expects to publish the Safety Campaign to Cummins Dealers on March 19, 2021 and expects to notify owners no later than April 9, 2021.

Planned Dealer Notification Date : MAR 19, 2021 - MAR 19, 2021

Planned Owner Notification Date : APR 09, 2021 - APR 09, 2021

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : ARBOC Specialty Vehicles LLC

Address : 51165 Greenfield Parkway
Middlebury IN 46540

Country : US

Company Phone : 5748255997

Name : Autocar LLC
Address : 551 South Washington Street
Hagerstown IN 47346
Country : US
Company Phone : 8779733486

Name : Daimler Trucks North America
Address : 4747 North Channel Avenue
Portland OR 97217
Country : US
Company Phone : 5037457385

Name : Kenworth Motor Truck Co.
Address : 10630 NE 38th Place
Kirkland WA 98033
Country : US
Company Phone : 4258285201

Name : Dulevo International S.p.a.
Address : Via Giovannino Guareschi, 1
Fontanellato (PR) 00 43012
Country : IT
Company Phone : 0521827711

Name : Peterbilt Motors Company
Address : 3200 Airport Road
PO Box 550 Denton TX 76202
Country : US
Company Phone : 9402202760

* NR - Not Reported