

# Part 573 Safety Recall Report

# 21E-009

**Manufacturer Name :** Cummins, Inc.

**Submission Date :** FEB 04, 2021

**NHTSA Recall No. :** 21E-009

**Manufacturer Recall No. :** C2402



## 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 :** 251

**Estimated percentage with defect :** 100 %

## Equipment Information :

**Brand / Trade 1 :** Cummins Inc.

**Model :** X15

**Part No. :** D103109BX03

**Size :** NR

**Function :** Diesel Engine

**Descriptive Information :** The recalled population consists of certain engines having flywheel-to-crankshaft attachment capscrews improperly torqued. The suspect engines were identified using manufacturing records for capscrew torque.

**Production Dates :** OCT 27, 2020 - JAN 11, 2021

## Description of Defect :

**Description of the Defect :** Capscrews attaching the flywheel to the crankshaft may not have been properly torqued to the specification.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** On affected engines, the flywheel may be susceptible to detaching from the crankshaft, possibly leading to loss of motive power, which may increase the risk of a crash. Additionally, driveline pieces may be ejected from the engine compartment, which may increase the risk of personal injury.

**Description of the Cause :** During the affected production period, the torque gun used during the engine assembly process did not have a lower control limit in place.

**Identification of Any Warning that can Occur :** Prior to failure, the driver may notice noise, vibration or difficult clutch operation in vehicles equipped with manual transmissions. In vehicles equipped with automated transmissions, a clutch fault lamp may illuminate.

**Involved Components :**

Component Name : N/A

Component Description : NR

Component Part Number : NR

**Supplier Identification :****Component Manufacturer**

Name : N/A

Address : NR

NR

Country : NR

**Chronology :**

January 11, 2021 – Engine assembly operator observed and reported a loose flywheel capscrew at the assembly plant. Cummins began investigating the issue and corrective action was implemented on the flywheel assembly torque gun.

January 12, 2021 – A Cummins Distributor Technician observed and reported loose flywheel capscrews on several engines at an OEM assembly plant.

January 12-16, 2021 – Cummins continued to gather data to understand the cause and extent of the issue. The assembly plant Customer Quality Assurance organization notified some OEM plants, requesting that suspect engines be inspected and, if necessary, the subject capscrews torqued to the proper specification.

January 16-28, 2021 – Cummins evaluated the potential safety implications of the issue and escalated the issue to the Cummins Product Safety Defect Board.

January 28, 2021 – Cummins decided to conduct a safety campaign to address this issue.

To date, there have been no reports of accidents or injuries related to this condition.

## Description of Remedy :

**Description of Remedy Program :** Cummins will conduct a safety campaign to properly torque the subject capscrews and inspect for possible damage and, if necessary, repair the damage.

Pursuant to 49 CFR 577.11(e), Cummins 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 remedy does not consist of replacing a recalled component. If inspection reveals any damaged parts, those parts will be replaced with the identical OE part.

**Identify How/When Recall Condition was Corrected in Production :** A Lower Control Limit with a failsafe was implemented on the torque gun used during the engine assembly process on January 11, 2021.

## Recall Schedule :

**Description of Recall Schedule :** Cummins expects to notify affected OEMs no later than February 8, 2021. Cummins will conduct the recall and notify owners. The timing of owner notification will be determined in consultation with the affected OEMs. Cummins expects to publish the Safety Campaign to Cummins Dealers on February 26, 2021 and expects to notify owners no later than March 29, 2021.

**Planned Dealer Notification Date :** FEB 26, 2021 - FEB 26, 2021

**Planned Owner Notification Date :** MAR 29, 2021 - MAR 29, 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 :** Daimler Trucks North America

**Address :** 47474 North Channel Avenue  
Portland OR 97217

**Country :** US

**Company Phone :** 5037457385

Name : Navistar International Transportation

Address : 2701 Navistar Drive

Lisle IL 60532

Country : US

Company Phone : 3313321590

Name : Volvo Trucks North America

Address : 7900 National Service Road

Greensboro NC 27409

Country : US

Company Phone : 3363932233

Name : Kenworth Motor Truck Co.

Address : 10630 NE 38th Place

Kirkland WA 98033

Country : US

Company Phone : 4258285201

Name : Peterbilt Motors Company

Address : 3200 Airport Road

PO Box 550 Denton TX 76202

Country : US

Company Phone : 9402202760

\* NR - Not Reported