

# Part 573 Safety Recall Report

# 22V-605

**Manufacturer Name :** Volvo Trucks North America**Submission Date :** APR 03, 2023**NHTSA Recall No. :** 22V-605**Manufacturer Recall No. :** RVXX2203**Manufacturer Information :**

Manufacturer Name : Volvo Trucks North America

Address : 7900 National Service Road

Greensboro NC 27409

Company phone : 800 528 6586

**Population :**

Number of potentially involved : 12

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2023-2023 Volvo VN

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Vehicles built with Cummins Engines with suspect Engine Control Modules (ECM) as provided by Cummins in their recall 22E063

Production Dates : JUN 06, 2022 -JUN 27, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : As reported by Cummins in 22E063 ECMs within the subject population that are affected by the defect condition may develop an internal electrical short circuit, possibly resulting in an engine stall without warning. If this occurs, the engine cannot be restarted until replacement of the ECM and, if necessary, the fuse.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An unexpected engine stall without the ability to restart the engine may lead to an increased risk of a crash.

Description of the Cause : As reported by Cummins: A screw in the supplier's selective solder fixture backed out of position pushing an electrolytic capacitor frame into the Printed Circuit Board (PCB) during ECM production.

Identification of Any Warning that can Occur : None

**Involved Components :**

Component Name 1 : Engine Control Module

Component Description : Engine Control Module

Component Part Number : D103019BX03

## Supplier Identification :

### Component Manufacturer

Name : Cummins, Inc.

Address : Box 3005

Columbus Indiana 47202-3005

Country : United States

## Chronology :

Cummins Management Team contacts Mack personnel and informs them of their filing of 22E063 recall on August 2, 2022. Mack Product Safety Working Group meets on August 3, 2022 and reviews Cummins filing for 22E063 and recommends that Product Safety Committee find that there is a Safety Defect. Mack Product Safety Committee meets on August 5, 2022 and finds that a Safety Defect exist on the Cummins ECM. Vehicles which are potentially impacted at our factories are put on stop shipment on August 5, 2022.

## Description of Remedy :

Description of Remedy Program : Volvo will have Cummins execute the recall on their behalf, Cummins is currently developing the remedy for the recalled units. 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. To remedy this condition Cummins will replace the ECM (engine control module).

How Remedy Component Differs from Recalled Component : The remedy component will not have the manufacturing defect causing the ECM to fail

Identify How/When Recall Condition was Corrected in Production : Cummins has informed us that they initiated containment actions at impacted engine plants on June 28, 2022

## Recall Schedule :

Description of Recall Schedule : Volvo will have Cummins execute the recall on their behalf, Cummins will conduct the recall and notify affected owners. The timing of the owner notification will be determined. Cummins will be prepared to notify owners by Sept 29, 2022. DEALER NOTIFICATION DATE WAS 8/1/22 BUT SYSTEM WOULD NOT ACCEPT IT.

Planned Dealer Notification Date : AUG 08, 2022 - AUG 08, 2022

Planned Owner Notification Date : SEP 26, 2022 - SEP 26, 2022

\* NR - Not Reported