

Part 573 Safety Recall Report

22V-600

Manufacturer Name : Blue Bird Body Company**Submission Date :** JAN 11, 2023**NHTSA Recall No. :** 22V-600**Manufacturer Recall No. :** R22BZ - SB**Manufacturer Information :**

Manufacturer Name : Blue Bird Body Company

Address : P.O. Box 937
402 Blue Bird Boulevard Fort Valley
GA 31030

Company phone : 478-822-2242

Population :

Number of potentially involved : 2

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Blue Bird All American

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The engine is controlled by an Engine Control Module (ECM), which received electrical power via a fused circuit from the vehicle's battery. This defect notification covers the entire population of engines manufacturer with the suspect ECM's, as identified by the supplier. Cummins will conduct the notification and remedy campaign on Blue Bird's behalf.

Production Dates : JUL 12, 2022 - JUL 18, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The ECM's within the subject population 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 : 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 : Module, Electronic Control (Cummins)

Component Description : Engine Control Module (Cummins)

Component Part Number : 5572391 (Cummins)

Component Name 2 : Module, Electronic Control (Cummins)

Component Description : Engine Control Module (Cummins)

Component Part Number : 5677664 (Cummins)

Component Name 3 : Module, Electronic Control (Cummins)

Component Description : Engine Control Module (Cummins)

Component Part Number : 6372744 (Cummins)

Supplier Identification :

Component Manufacturer

Name : Cummins Incorporated

Address : 500 Jackson Street
Columbus Indiana 47202-3005

Country : United States

Chronology :

June 14, 2022: Cummins received a report from an OEM of an ECM failure at an OEM facility.

June 21, 2022: Cummins notified the ECM supplier, Vitesco, of the failure.

June 21-29, 2022: Cummins received additional reports from OEMs of ECM failures occurring during production. Cummins collected and returned three ECM's to the supplier for failure analysis.

June 28-20, 2022: Vitesco informed Cummins about the Potential Circuit Board (PCB) damage after confirming that ECM's returned from Cummins were due to this failure mode. According to the supplier, ECM's with potentially damaged PCB's were produced May 16, 2022 through June 2, 2022.

Cummins initiated containment actions at impacted engine plants and vehicle OEM plants.

June 30, 2022: Cummins and Vitesco began investigating the failure mechanisms and potential screening test methods.

June 14, 2022 through July 19, 2022: Cummins received two field reports alleging on-road engine stalls.

July 11-12, 2022: Cummins conducted a Product Safety Hazard Analysis.

July 12-19, 2022: Cummins escalated the issue through its Product Safety Defect Determination process, including gathering additional information and conducting additional analysis for the Product Safety Hazard Analysis.

July 21, 2022: Based upon the results of the investigation, the Cummins Product Safety Defect Board decided this issue constitutes a safety defect. Accordingly, Cummins will notify OEM customers of this defect. For those OEM's that make a safety defect determination with respect to their potentially affected vehicle population, Cummins will, at the OEM's request, conduct the notification and remedy campaign on their behalf. To date, there have been no reports of accidents or injuries due to this condition.

Note regarding production start dates: For reasons unrelated to this issue, some engines were built without ECM's prior to May 16, 2022, and later upfit with suspect ECMs.

August 3, 2022: Blue Bird was notified by Cummins.

Description of Remedy :

Description of Remedy Program : Cummins will replace the suspect ECM. 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. Cummins will reimburse the cost of the repair related to this recall at no cost to the Dealer or to the vehicle owner. If the modifications directed by this notification were performed on your bus prior to the receipt of this recall notification, please provide a copy of the work order/invoice to Cummins. The Cummins contact information for reimbursement will be listed in the Dealer and Owner communications.

How Remedy Component Differs from Recalled Component : The remedy ECM will have a different serial number than the recalled component.

Identify How/When Recall Condition was Corrected in Production : Vitesco corrected the ECM production assembly process on June 2, 2022. Cummins initiated containment actions at impacted engine plants on June 28, 2022.

Recall Schedule :

Description of Recall Schedule : Dealer and Owner Notifications are to be issued on or before September 26, 2022. Parts availability undetermined at this time. Cummins will conduct the recall and notify affected owners. Cummins will be prepared to notify owners no later than September 26, 2022. Cummins will reimburse the labor cost of the repair related to this recall at no cost to the Dealer or to the vehicle owner.

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

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

* NR - Not Reported