

Part 573 Safety Recall Report

21V-696

Manufacturer Name : Blue Bird Body Company**Submission Date :** MAR 17, 2022**NHTSA Recall No. :** 21V-696**Manufacturer Recall No. :** R21BL - 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 : 134

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2022 Blue Bird Vision

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : CNG/LPG

Descriptive Information : It has been determined that Blue Bird BBCV buses equipped with cross-view mirrors and a Mobileye collision mitigation system may fail to conform to the Federal Motor Vehicle Safety Standard No. 111 "School Bus Rearview Mirrors" requirements for mirror visibility. This is due to the current placement of the Mobileye camera. At certain perspectives, the Mobileye camera could partially or fully block the driver's view of the passenger side cross-view mirror. This specifically affects the viewing perspective, as called out in the FMVSS 111 test procedure corresponding to a driver height representing the "25th percentile adult female".

Production Dates : MAR 16, 2021 - AUG 20, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : It has been determined that Blue Bird BBCV buses equipped with cross-view mirrors and a Mobileye collision mitigation system may fail to conform to the Federal Motor Vehicle Safety Standard No. 111 "School Bus Rearview Mirrors" requirements for mirror visibility. This is due to the current placement of the Mobileye camera. At certain perspectives, the Mobileye camera could partially or fully block the driver's view of the passenger side cross-view mirror. This specifically affects the viewing perspective, as called out in the FMVSS 111 test procedure corresponding to a driver height representing the "25th percentile adult female".

FMVSS 1 : 111 - Rear visibility

FMVSS 2 : NR

Description of the Safety Risk : Blue Bird evaluated the risk to motor vehicle safety related to this noncompliance and determined that, in certain perspectives, the Mobileye camera can partially or fully block the driver's view of the passenger side cross-view mirror. There is a potential for injury to a pedestrian if the view is blocked.

Description of the Cause : It has been determined that Blue Bird BBCV buses equipped with cross-view mirrors and a Mobileye collision mitigation system may fail to conform to the Federal Motor Vehicle Safety Standard No. 111 "School Bus Rearview Mirrors" requirements for mirror visibility. This is due to the current placement of the Mobileye camera. At certain perspectives, the Mobileye camera could partially or fully block the driver's view of the passenger side cross-view mirror. This specifically affects the viewing perspective, as called out in the FMVSS 111 test procedure corresponding to a driver height representing the "25th percentile adult female".

Identification of Any Warning that can Occur : There is no audible or visual warning, which would precede an event.

Involved Components :

Component Name 1 : Mobileye Camera

Component Description : CAMERA,SAFETY,250K MOBILEYE COLLISION SYSTEM, BBCV

Component Part Number : 10070252

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

A Dealer complaint was received on June 24, 2021, (one report) regarding placement of the Mobileye camera on BBCV's. After review, it was discovered that at certain perspectives of the 25th percentile adult female position, the Mobileye camera could partially or fully block the driver's view of the passenger side cross-view mirror. Blue Bird initiated a stop delivery for nine completed buses on property that had the Mobileye option. All buses in process will also be included in the stop delivery. Blue Bird decided to issue a recall on September

7, 2021.

Blue Bird initiated a stop delivery for nine completed buses on property that had the Mobileye option. The Mobileye camera was removed from each of these buses prior to delivery. This same action was also taken for any other in process units. The Mobileye feature was restricted in combination with cross view mirror features on the BBCV product to block any incoming orders.

Blue Bird worked with Safety Vision (Mobileye distributor) and Mobileye engineering to develop the remedy for this issue. A new position on the driver's side windshield was identified that would accommodate FMVSS 111 requirements and Mobileye functional requirements. It was identified that new camera software and a new camera faceplate would need to be designed to properly mount the camera in this location. Vehicle level validation for the new software and a prototype faceplate was completed on 10/27/2021 by Blue Bird and Mobileye. Component level validation for the new faceplate was completed on 12/23/2021 by Blue Bird and Mobileye.

After validation of the new design was completed, Blue Bird worked with Safety Vision to develop a sourcing strategy. It was determined that Blue Bird would source the new camera faceplate and Safety Vision would provide the updated camera assembly with new software. Blue Bird completed supplier selection and injection mold tooling design for the camera faceplate and kicked off tool production on 1/31/2022.

Description of Remedy :

Description of Remedy Program : Once the issue was identified, Blue Bird removed the availability of the Mobileye option until a new camera location is determined. All buses ready for delivery were placed on stop delivery. An updated location for the camera is in process. Once this location is determined and updated software is available, all affected buses will be remedied. Labor Reimbursement: Blue Bird will reimburse the labor cost of the repairs related to this recall at no cost to you the Dealer or to the vehicle owner. The standard repair time (SRT) to accomplish these repairs in accordance with this campaign is undetermined at this time.

Update 03/17/22:

Blue Bird has worked with Mobileye to develop a new camera assembly with updated mounting hardware and software which will allow the camera location to be moved to the driver's windshield. This new mounting location will not block the driver's view of the cross-view mirror, per the FMVSS 111 Test Specifications. An obstructed view of the passenger side cross-view mirror increases the risk of injury for pedestrians. All affected units will need to be reworked to include the new camera placement. The Blue Bird Dealer and Safety Vision (Mobileye Certified Technician) expect to begin to schedule appointments on May 2, 2022.

How Remedy Component Differs from Recalled Component : Once determined, the camera location will not obstruct any driver views for all percentile seat positions per FMVSS 111 test standards.

Identify How/When Recall Condition was Corrected in Production : Once the issue was identified, Blue Bird removed the availability of the Mobileye option until a new camera location is determined. All buses ready for delivery were placed on stop delivery.

Recall Schedule :

Description of Recall Schedule : Dealer and Owner notifications are scheduled to be mailed on or about November 3, 2021. Parts availability is undetermined at this time.
Update 03/17/22: Safety Vision, Blue Bird's supplier for the Mobileye product, will be providing all parts. Updated Mobileye Camera Assembly Part Numbers: 10076365, 10076366, 10076367, 10076368, 10076369, 10076370, 10076371, and 10076372. The Blue Bird Dealer and Safety Vision (Mobileye Certified Technician) expect to begin to schedule appointments on May 2, 2022.

Planned Dealer Notification Date : MAR 31, 2022 - MAR 31, 2022

Planned Owner Notification Date : MAR 31, 2022 - MAR 31, 2022

* NR - Not Reported