Service Update

SU2101 Windshield Replacement With Mobileye

Models Affected: 2022 – Current, Vision (BBCV), All American, and TX4 (T3FE, T3RE), with Blue Bird Factory Installed, Mobileye Collision Mitigation Features

Subject: To provide instruction when windshield replacement is required on buses equipped with Blue Bird Factory Installed Mobileye Collision Mitigation Features

WARNING:
Always follow all Federal, State, Local and Shop safety standards and use proper safety equipment, and thoroughly read and understand all instructions before performing these procedures.
Park bus on level surface, apply parking brake, turn off ignition key, and chock wheels.

Instructions:
IMPORTANT: The Mobileye "Vision Sensor" or "Camera" location is crucial and it **MUST** be reinstalled on the new windshield using the template and Auto-Calibrate Mode instruction provided below.
After windshield replacement has been completed, the "Vision sensor" or "Camera" is to be reinstalled on the new windshield in the exact same location as it was installed on the original windshield.
Replacement 3M tape "used for mounting" and a locating template "specific" to the bus model being serviced are available from Blue Bird Service Parts via "Safety Vision LLC" Dropship.
See applicable "Safety Vision LLC" part numbers listed below.

Parts/Items:

Item Number	Part Number	Description	Quantity
1	SV-MBLEYE-VSTP	REPLACEMENT 3M TAPE FOR VISION SENSOR	1
2	SV-MBLEYE-BBCVT	TEMPLATE – BLUE BIRD MODEL BBCV	1 – AS REQUIRED
3	SV-MBLEYE-BBT3T	TEMPLATE – BLUE BIRD MODEL T3FE, T3RE	1 – AS REQUIRED

Mobileye "Vision Sensor" or "Camera" Installation instruction:

1. Clean and dry the interior area of the windshield where the Mobileye "Vision Sensor" will be reinstalled.
2. Remove the old 3M tape and install the new replacement 3M tape "SV-MBLEYE-VSTP" to the "Vision Sensor".
3. On inside of bus, place locating template (bus model specific) against windshield center beam, and against bottom of windshield to locate the "Vision Sensor" as shown in "Photo A".
   IMPORTANT: Make sure that you are using the correct part number locating template for the bus model being serviced.

(Photo A)

4. Peel 3M Tape to expose adhesive, position "Vision Sensor" as shown in "Photo A". Press the "Vision Sensor" firmly against windshield.

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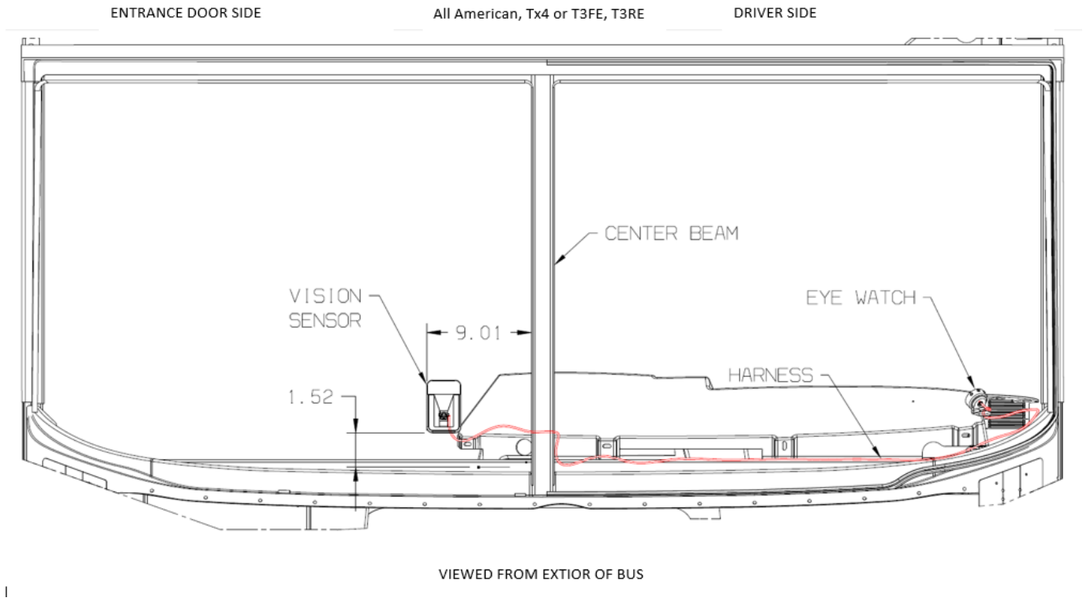
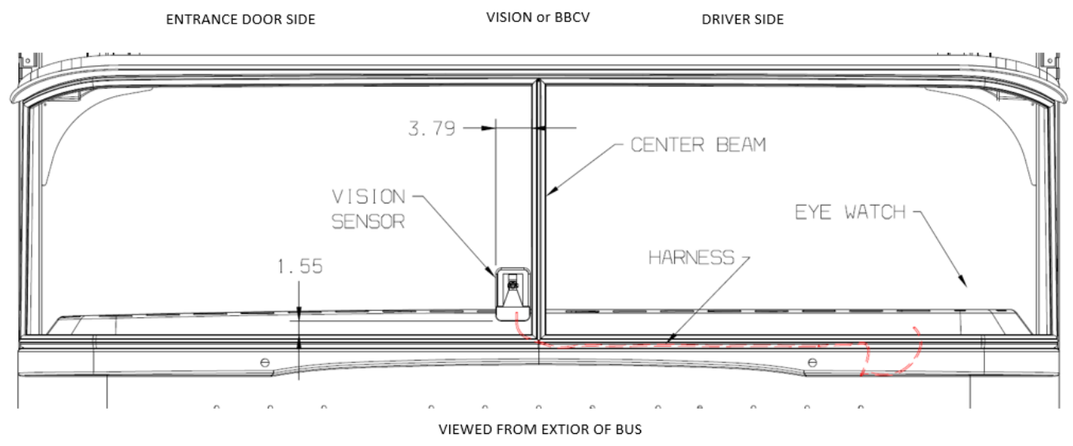
5. On a Blue Bird All American, TX4, (T3FE, T3RE) bus model the “Vision Sensor” MUST be located dimensionally as shown in “Illustration A”.



(Illustration A)

6. On a Vision (BBCV) bus model the “Vision Sensor” MUST be located dimensionally as shown in “Illustration B”.



(Illustration B)

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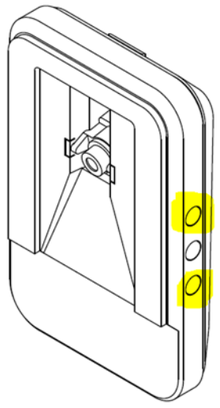
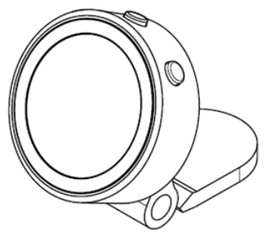
Mobileye “Vision Sensor” or “Camera” Auto-Calibrate Mode Instruction:

1. The “Vision Sensor” must be placed into the “Auto-Calibrate Mode”. This allows the “Vision Sensor” to compare its position to the original factory measurements input and make adjustments for it to function correctly. Auto Calibrate does not overrule previous measurements input, it only allows for adjustment of these. The “Vision Sensor” MUST be located, as instructed above.

- With vehicle off, press and hold the (+) and (-) buttons (top and bottom button) on the body of the “Vision Sensor” or “Camera”, as shown in “Illustration C”.
- While still holding the two buttons down, turn on the vehicle ignition key.
- While Mobileye is booting up, continue to hold the two buttons on the body of the “Vision Sensor” or “Camera”.
- Once booted up, you’ll see the 0% crosshairs on the “EyeWatch” display and you’ll hear a beep that continues every 5 seconds. “EyeWatch” shown in “Illustration D” for reference only.
- Let go of buttons on the “Vision Sensor” or “Camera” and now the bus must be driven on the highway to complete the Auto-Calibrate Mode process.
- During Auto-Calibrate Mode the “EyeWatch” display will show the percentage completed. It will count up from 0% to 100% and then reboot or restart the display.
- Note: The Auto-Calibrate Mode process will be interrupted if the bus is stopped before it is allowed to complete to 100% and the process will start again at 0%.
- The Auto-Calibrate Mode process is now complete.



(Illustration C)
“Vision Sensor” or “Camera”
“Top and Bottom Buttons”



(Illustration D)
“EyeWatch” Display