Windows

Table of Contents

Sub-Headings

List of Figures

Emergency Exit Figures

Windshield Glass Replacement

Windows

Safety

The purpose of this safety summary is twofold. First, it is to help ensure the safety and health of individuals performing service on, or operation of, this Blue Bird product. Second, it is to help protect equipment. Before performing any service or operating procedure on this Blue Bird product, individuals should read and adhere to the applicable warnings, cautions and notes located throughout this Blue Bird Service Manual.

Warnings

Warnings apply to a procedure or practice that, if not correctly adhered to, could result in injury or death. Particular attention should be paid to sections of this manual where warnings appear.

Cautions

Cautions apply to a procedure or practice that, if not correctly adhered to, could result in damage to or destruction of equipment.

Notes

Notes are used to explain, clarify or otherwise give additional insight for a given subject, product or procedure. Please note that on occasion, notes too may advise of potential safety issues.

Description of Operation

The following information has two parts:

1. Emergency Exit Windows
2. Window Replacement

Note

Glass replacement should meet standards in specification FMVSS 205 and 217.

Figure 1—Rear Emergency Exit Window

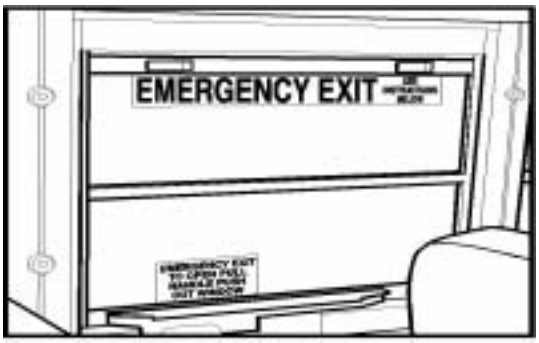


Figure 2—Split Sash Emergency Exit Window

Figure 3—Transit Sliding Emergency Exit Push-Out Window

Rear Emergency Exit Window Removal and Replacement

For information on glass removal and replacement procedures for the Rear Emergency Exit Window, please refer to Windows and Windshields (specifically, Rear Vision Glass).

Split Sash Emergency Exit Window Removal and Replacement

For information on glass removal and replacement procedures for the Rear Emergency Exit Window, please refer to Windows and Windshields (specifically, Split Sash Windows).

Transit Sliding Emergency Exit Push-Out Window Removal and Replacement

For information on glass removal and replacement procedures for a Transit Sliding Emergency Exit Push-Out Window, please refer to Windows and Windshield (specifically, Transit Sliding Windows).

Windows & Windshields

Windshield Glass Replacement

Note

The windshield is four-piece flat.

Remove vertical filler strip in glazing rubber on each side of broken glass. Remove horizontal filler strip in glazing rubber on top and bottom of broken glass. It will be necessary to cut the horizontal filler strip after it is pulled past the glass.

1. Starting at a corner, push glass free of glazing rubber from inside of bus outward and remove.
2. Position new glass in glazing rubber.
3. Using installation tool, work glass into glazing rubber. **Figure 1.**

Figure 1—Glass Installation

4. Seal glass to glazing rubber from outside of the bus with an adhesive sealant, such as Silastic 732 RTV Adhesive/Sealant.
5. Apply soapy solution to filler strip channel on glazing rubber to act as a lubricant for easier installation of filler strip.
6. Using filler strip tool, insert fillet strip into channel on glazing rubber. **Figure 2.**

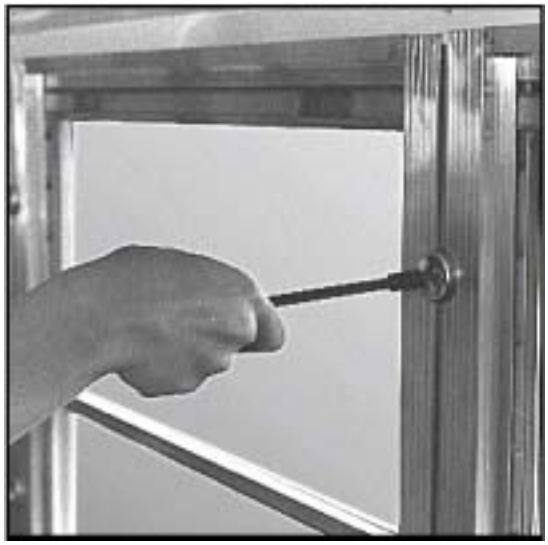
Figure 2—Installing Glazing Rubber

Split Sash Window and Glass Replacement

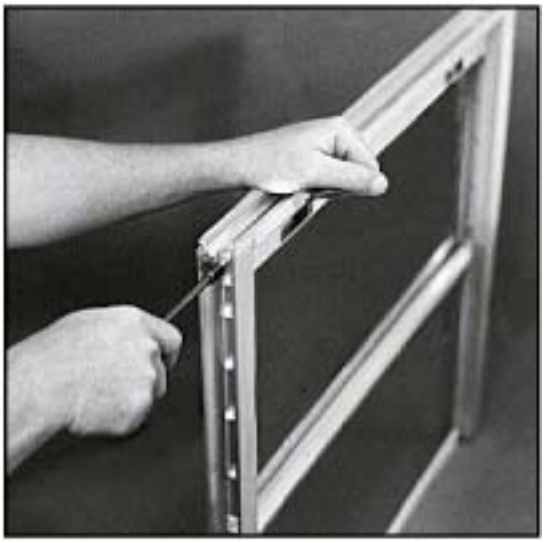
Note

The glass used in the Blue Bird bus meets FMVSS 205 and 217. When a glass is broken, it should be replaced with identical glass.

1. Remove four screws securing window frame to bow. **Figure 3.**

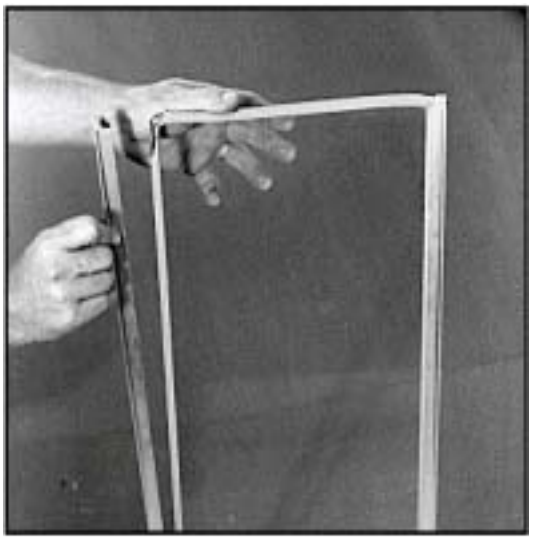


2. Pull window to inside of body and remove.



4. On bottom glass, simply pull aluminum channel off top and bottom of glass.

3. Remove six screws (three on each side of window) holding assembly together.



5. To remove glass from top part of window, remove 6 screws holding frame around glass.

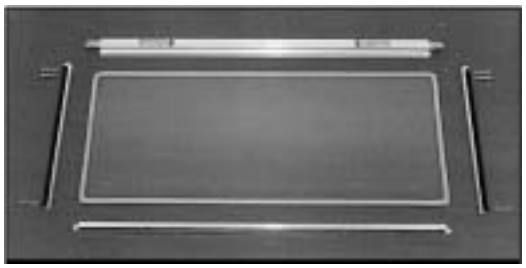


Figure 3—Reassemble Window

6. Reassemble window by reversing above procedure.
7. Apply weather seal caulking around window frame to prevent leaking.

Warning

When replacing broken or damaged glass, use extreme care at all times to prevent personal injury. Use proper replacement parts, tools and personal protective equipment, such as gloves and safety goggles.

Window Latch Replacement

1. Remove screw and block located in side channel directly above stationary glass. **Figure 4.**
2. Lower sliding sash so that latch enters notch covered by block removed in Step 1.
3. With latch in large notch, push finger holes outward until inside edge is exposed. Pull latch out of finger hole opening. **Figure 5.**
4. Finger latch is pried off attached metal latch with any tool that provides leverage. Latch may now be removed and replaced.
5. Reassemble by reversing procedure.

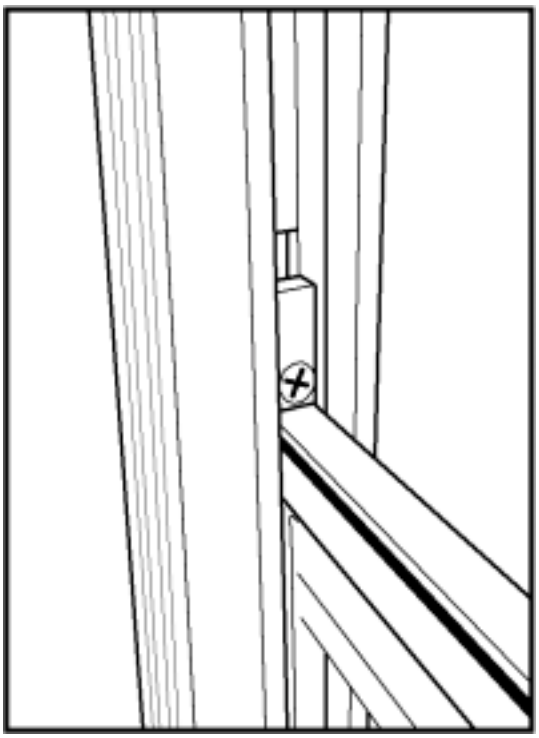


Figure 4—Window Latch Replacement

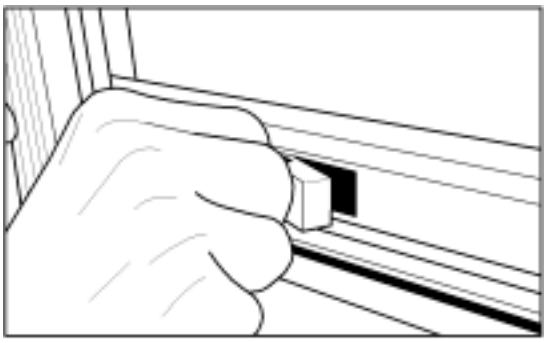


Figure 5—Latch Notch

Note

Lubricate latches and sliding seal of top window with silicon spray every 30 days. See decal on driver's window.

Entrance Door Glass Replacement

1. Apply pressure against glass from the outside of the bus, starting at a corner, push glass and glazing rubber off metal flange. **Figure 6.**

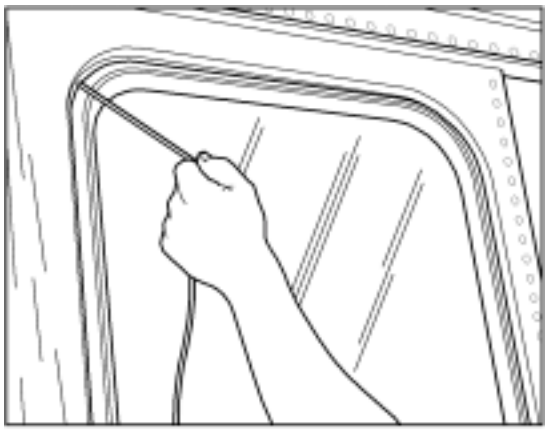


Figure 6—Entrance Door Glass Replacement

2. Remove glazing rubber from around glass.
3. Put glazing rubber on new glass.
4. Wrap a cord around the glazing rubber and rest the glass on the bottom flange of the opening from outside the bus.
5. Pull cord slowly and work glazing rubber onto metal flange.
6. Apply pressure to glass from inside of bus to assure proper seal.

Rear Vision Glass Replacement

1. Remove filler strip from channel in glazing rubber.
2. Apply pressure against glass from the outside of the bus starting at a corner, push glass and glazing rubber off metal flange.
3. Remove glazing rubber from glass.
4. Put glazing rubber from glass.
5. Apply a soapy solution to the flange on the bus body and to the filler strip channel on glazing rubber. This acts as a lubricant for easier installation.
6. Wrap a cord around the glazing rubber and rest glass on bottom window flange from the inside of the bus body. **Figure 6.**
7. Apply pressure from the inside of the bus body to ensure glass is seated properly. Pull cored slowly and work glazing rubber onto the window flange.
8. Using filler strip tool, insert filler strip into channel on glazing rubber. Filler strip tool is available from your distributor. **Figure 7.**

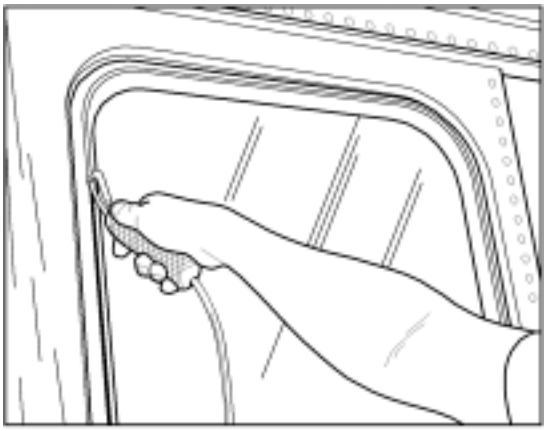


Figure 7—Filler Strip Tool

9. Apply clear caulking around glass and window flange on the outside of bus body to insure that no leaks occur.

Transit Sliding Window Maintenance

See **Figures 8 through 11**.

Caution

Do not pry window frame from body without loosening sealer. Unless sealer is loosened, window frame will be bent.

Note

On push out windows, when hinge screws are removed and interior latch released, window sash may be removed from frame.

1. Remove screws in outside aluminum extrusion.
2. Loosen sealer between window frame with putty knife.
3. Pry out using screwdriver.
4. Reverse procedure for installation.

Glass Replacement Procedure

1. To remove push-out transit sliding window, release window lever (1) located inside the bus at the bottom of each push-out window. **Figure 8** and **Figure 9**.
2. See Remove hinge screws (2) on outside of body. **Figure 9.**
3. Lift and pull window out of section.
4. To remove stationary transit sliding window. Remove all screws between inner frame (4) and outer frame (5).
5. Lift and pull window out of section.
6. Remove four screws and take out vertical brace (6) located in the center of the window. **Figure 8** and **Figure 10**.
7. Remove two window stops (one on each side of the top of window).
8. Slide glass to the center of the window.
9. Spread apart the inner frame (4) just enough to lift glass frame (7) out.
10. To remove glass from frame, slide rubber seal (8) out of vertical rail (9) exposing two screws.
11. Window glass is removable after screws are removed. Remove glass.
12. To replace glass, slip glazing vinyl seal around glass and slide into frame.
13. Reassemble by reversing procedure.

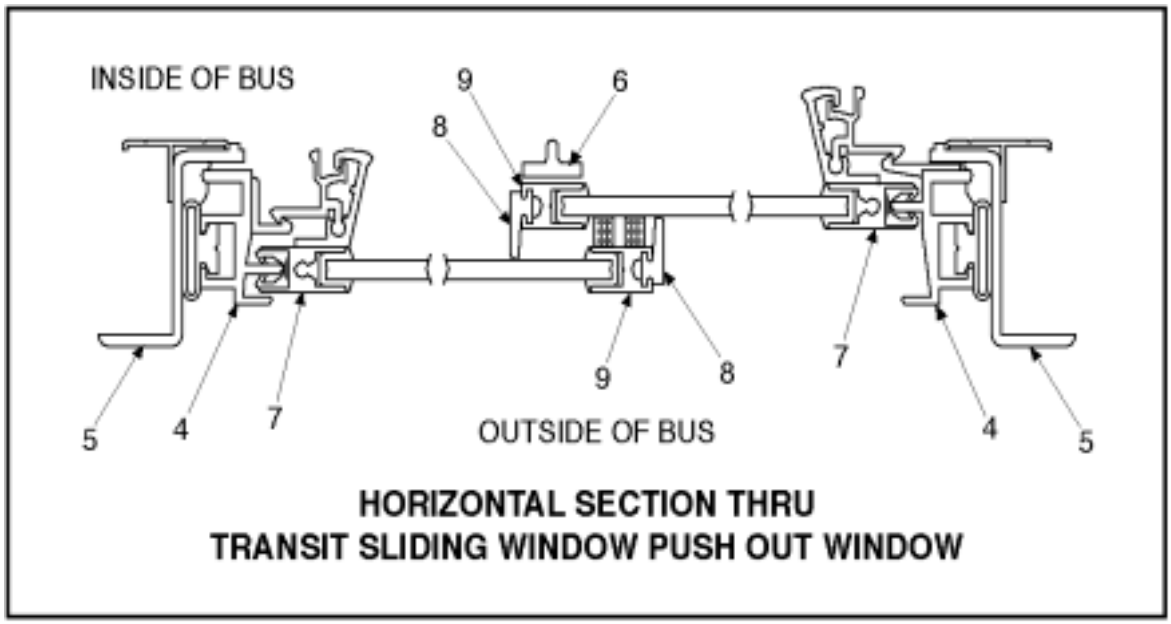


Figure 8—Horizontal Section

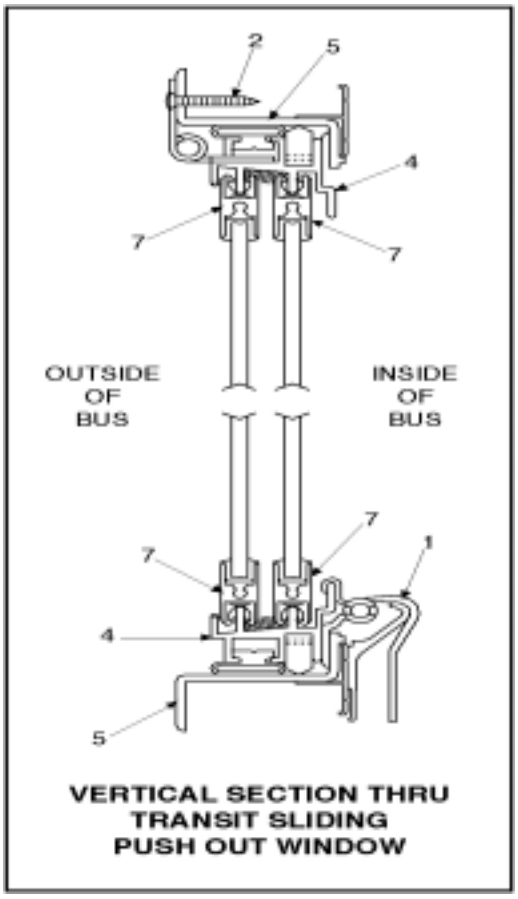


Figure 9—Vertical Section

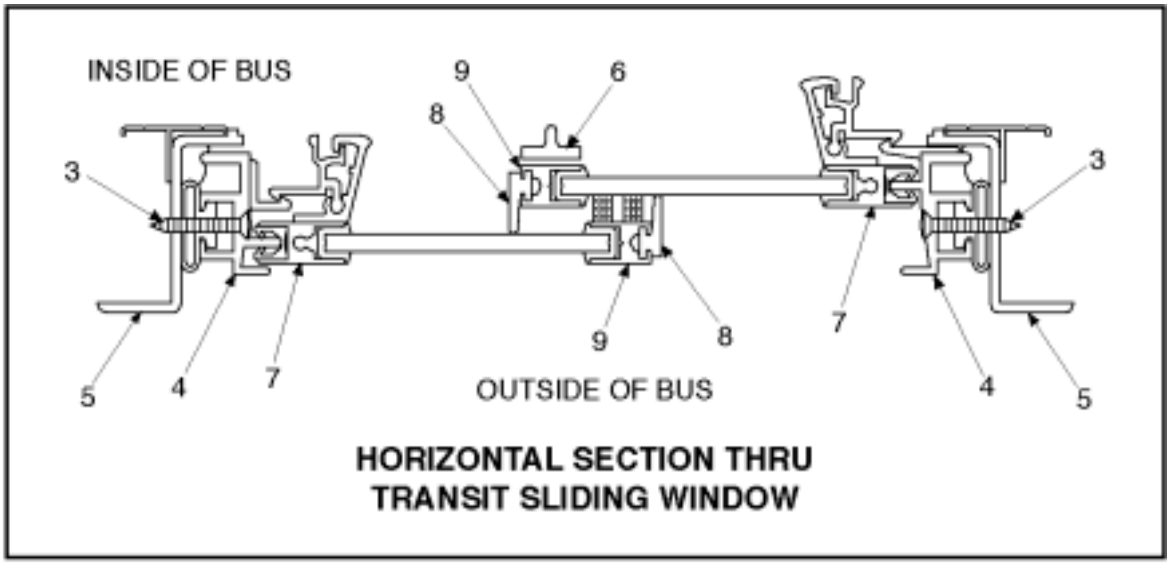


Figure 10—Horizontal Section Through Transit Sliding Window

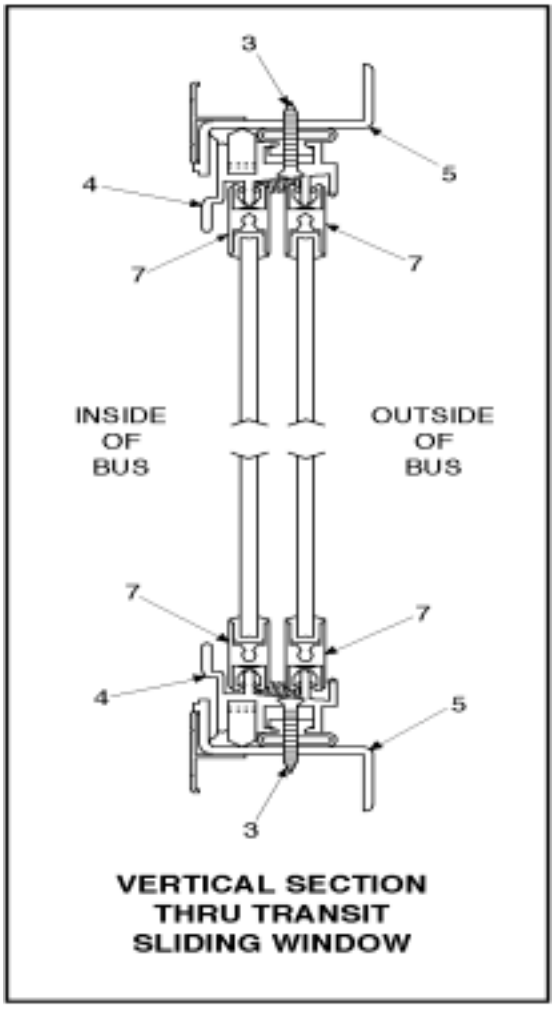


Figure 11—Vertical Section Through Transit Window

[Back to Top](#)