

Full-View Aluminum Glass Replacement Guide

C.H.I. Overhead Doors recommends this procedure is only performed by a trained glass professional with the proper tools, protective equipment, and experience to perform the job.

Through the life of a door, a variety of circumstances may result in the need to replace the glass in one or more of the glass panels in Full-View Aluminum models 3290, 3291, 3295, or 3297. Included in this guide are recommendations for replacing glass panels to extend the life and beauty of your door. The information in this guide shall not infringe upon or supersede and state or county building codes or safety regulations. Follow the recommendations on this guide for the best results.

MATERIALS

- Replacement Glass
- Glass spacers/setting blocks (P/N 219987)
- C.H.I. Clear Full-View Glazing Adhesive (P/N 110036)
- C.H.I. Aluminum retaining strips (If strips are damaged)
- C.H.I. Rubber cord for aluminum retaining strips (If cord is damaged)
- Glazing tools

SAFETY

- Wear appropriate hand, arm, & eye protection to guard against accidental injury.
- Tape both surfaces of broken glass prior to removal for reduced fragmentation.
- Handle broken and replacement glass with extreme caution, sharp edges may cause severe injury or death.

REMOVAL

- Interior glass retaining strips
 1. Beginning with the vertical strips, use a flat tool to apply pressure inward on the edge of the trim strip(s) and rotate towards glass to release it from the aluminum. (see figure 2 & 3).
 2. Mark each piece so that you can reinstall it in the correct location.
 3. Remove upper and lower horizontal strips using same method as vertical pieces.
- **Before moving to glass removal steps, confirm that your replacement glass is the correct size by measuring the broken pane prior to removal.**
- Glass
 1. Reinstall the trim strips to prevent the glass from falling once glazing is severed.
 2. Using a specialty deglazing tool, sever the adhesive bond between aluminum and glass around the full perimeter of the panel.
 3. Support the glass while removing strips in the same order as above, vertical pieces first, then horizontal.
 4. Carefully remove and properly dispose of *damaged glass, stubborn pieces may require extra force from a tool to remove. Never apply force to the damaged glass with your hand(s) or body.*
 5. Carefully remove all glazing material and remaining glass from the aluminum

frame. This surface must be clean and dry prior to advancing to installation of new glass.

INSTALLATION

■ Replacement Glass

1. Temperature: Surface and ambient temperature should be above 60°F and free of debris.
2. Place two (2) spacers/ setting blocks on top side of the window opening.
3. Equally space ten (10) spacers/ setting blocks around the perimeter of glass on the outside face (side that contacts adhesive) (see figure 1)
 - a. Two (2) spacers on each vertical edge
 - b. Three (3) spacers on each horizontal edge
4. Using C.H.I. Clear Full View Glazing Adhesive, apply a 1/8" bead of adhesive to the entire perimeter of aluminum surface where new glass will make contact.
5. Position replacement glass and set bottom edge onto setting blocks pre-applied to sill.
6. Push glass into frame contacting the entire perimeter of pre-applied glazing adhesive.
7. Center glass in opening ensuring the glass does not contact the aluminum on edges or comers

■ **Glazing adhesive will not hold the glass in the frame until it is cured. Continue supporting the glass panel until retaining strips are installed.**

■ Interior Aluminum trim strips.

1. Ensure that the rubber cord is seated inside of the channel on the aluminum retaining strip (see figure 4).
2. Starting with the upper or lower horizontal strip, position the bottom of the retaining strip into the rail. While applying light pressure pull the strip towards the rail to engage.
3. Once both horizontal strips are installed, install the vertical strips.
4. After trim strips are installed, inspect face of door for excess glazing adhesive and remove.

■ Interior Plastic trim strips. If the door was produced prior to November 2024 and has plastic retaining strips, ensure that the ribbed side is toward the glass.

1. Starting with the upper or lower horizontal strip, position the bottom of the trim strip into the rail. Apply pressure down on the strip pushing into the glass and then pull / rotate into rail.
2. Once both horizontal strips are installed, install the vertical strips.
3. After trim strips are installed, inspect face of door for excess glazing adhesive and

4. remove.

- **Glazing adhesive may take up to 24hrs to fully cure.**

Figure 1: Rubber spacer placement around opening. Place between glazing channel and corner away from glass opening.



Figure 2: Removal of trim strip. Use same procedure for Aluminum and Plastic.

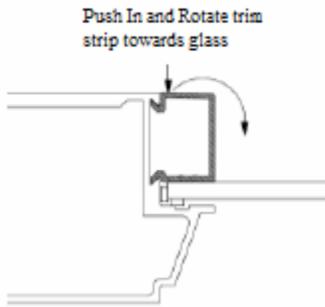


Figure 3: Installation of Plastic trim strip

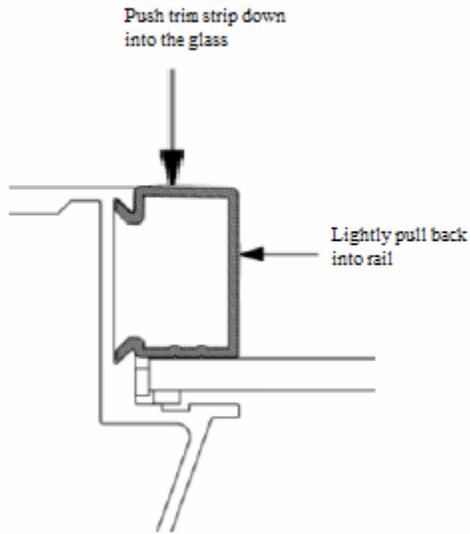


Figure 4: Installation of Aluminum trim strip

