PINNACLE CASEMENT SASH
Stationary / Picture Sash Removal
And Replacement Instructions.

With the new metal connector bracket being used to attach the sash to the frame, you may want to convert the old sash connection method (vinyl connector) to the new method. In order to complete conversion new stops must be ordered due to a different profile to create clearance for the new metal brackets. Step by step instructions are below:

Sash Replacement: Vinyl Connector to Metal Connector Bracket:
[Units produced prior to 02/13/06]

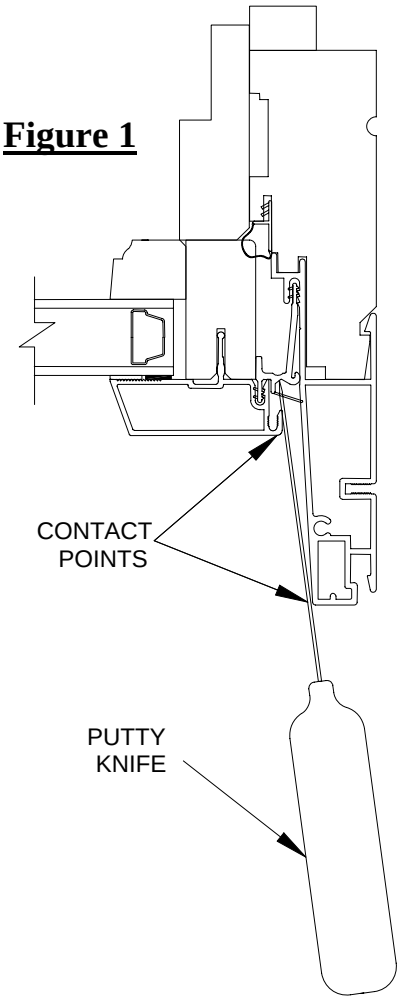
Tools needed:

- Screw gun with Phillips head
- 2" steel bladed putty knife or "L" shaped pry bar.
  Such as a Vaughn Super bar or blue bar.
  This should be a high quality knife with a solid steel shank through the handle.
- Glass suction cups. (Optional)
- Vise-Grip

The vinyl connector is a full-length extruded vinyl strip that has been pressed into both the sash and frame extrusions. They work on the principle of a fish hook barb. Once pressed in, they cannot be easily removed. The sash will be ultimately removed by breaking the connector all the way around the sash.

1. To remove a sash, start by inserting the end of the putty knife between the sash and frame on a bottom corner of the window.
2. Place the flat faces of the knife against the edge of the frame and the edge of the sash. See Figure 1. Have the knife at a slight angle so that the corner of the knife is against the connector. See Figure 2. Note: the connector has a shallow "V" in its profile, that the end of the knife will set in. This thin area will be the part of the connector that will break.
3. Firmly hit the putty knife with the mallet so that the end of the knife shears the connector.
4. Once the connector break is started, pull the knife back out and reposition it over an inch or so, and repeat the process.
5. Since the connector material is brittle, once the fracture is started, amount of force to continue to break the part along its break line will reduce slightly.
6. Repeat this process ALL the way around the perimeter of the sash, doing the top of the sash last. (This will help maintain the sash in the frame during the rest of the removal process).
7. Once the connector has been broken along the full length of all the pieces, the sash should be free to remove. Place suction cups on the IG unit if it is still whole. And slowly pull the sash out of the frame. If the IG unit has been broken, or is missing, a pry bar can be carefully inserted between the sash and the interior stops to assist in removing the sash.
8. Once the sash has been removed, grasp an end of the remaining portion of the connector that is left in the frame with a pair of locking pliers and carefully push down on the pliers to roll the part out of the kerf. Once an end is pulled out, you can zipper the remaining portion out of the frame.

Figure 1



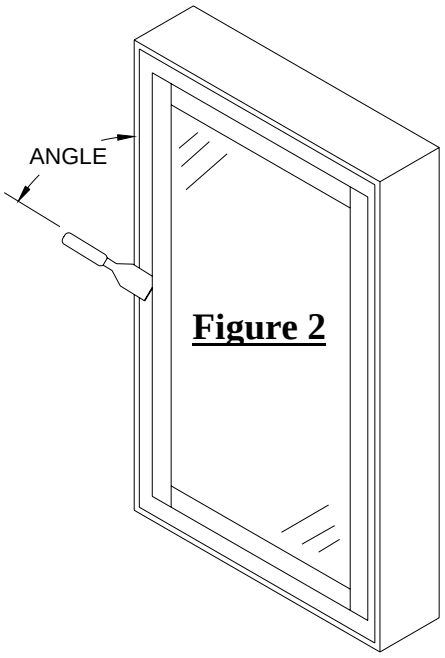


Figure 2

Frame preperation: Install clips

Sash preperation: Install shims

The brackets are 1” wide with holes in both ends to attach the sash to the frame. These brackets are hidden behind the side stops on stationary units and picture units with glass widths less than 38”, or on all four sides on picture units with glass widths on or over 38”. In order to remove sash the wood inside stops must be removed to expose brackets.

9. To install a new sash, place sash into the frame in the opposite manner as removal.
10. Push the sash tightly to the interior until it bottoms out on brackets.
11. While keeping pressure against the sash, use the screw gun to reattach the sash to the brackets using screws from sash removal.