



These instructions, intended for use by a window professional or experienced contractor, are a general overview on how to replace an insulating glass unit in a Vinyl window.

IMPORTANT INFORMATION

⚠ WARNING

The instructions contained in this document are intended for a window professional or experienced contractor. If you attempt the procedures described here without the appropriate tools, experience or training, you may injure yourself or others, or cause damage to the window.

JELD-WEN disclaims any and all liability associated with the use and/or provision of these instructions. Any reliance upon the information is at the user's own risk. Instructions may change without notice.

Precautions and Safety

- Read the entire document before starting service work. Follow all manufacturer's instructions and labels.
- Use proper and safe equipment and precautions. Use caution if servicing windows above ground level. Wear appropriate clothing (cut resistant gloves, arm guards, long sleeves and pants) and use help.
- Insulating glass units can be very heavy and can cause injury. Glass suction cups and the assistance of a second person are recommended. For glass size larger than 3 ft. by 3 ft. glass suction cups are strongly suggested.

Included Parts

- Insulating glass (IG) unit

Needed Materials

- Glazing sealant
- 91% min. Isopropyl Alcohol
- Gloves (Glass Kevlar® recommended)
- Pencil
- Safety glasses
- Caulking gun
- Stiff, metal putty knife
- Duct tape
- Deglazer tool or a slender, flexible metal putty knife (for tape or hot melt glazed windows)
- Dish soap diluted in water in spray bottle
- Glass suction cups
- Utility knife
- Scraper/Wood Chisel (3/8")

Special Note on Glazing Types

Window glass will be adhered in one of two ways: Tape Glazed or Hot Melt.

- **Tape Glazed** – Glass is adhered to the window frame with a double-sided tape. This is the easiest method to remove. The tape edge is often visible by inspecting the exterior gap between the glass and the window frame. Use a deglazing tool or slender putty knife to cut the tape.
- **Hot Melt** – Glass is adhered to the window frame with a liquid material that is applied hot. This is the most difficult method to remove.

PREPARE TO REPLACE THE INSULATING GLASS UNIT

If you are replacing sash glass, it may be easier to remove the sash and place it on a flat surface. The process shown applies to both the sash and direct glazed frame installations.

NOTE: Apply cross tape (X) to both sides of the glass using duct tape to contain broken pieces and keep the glass intact.

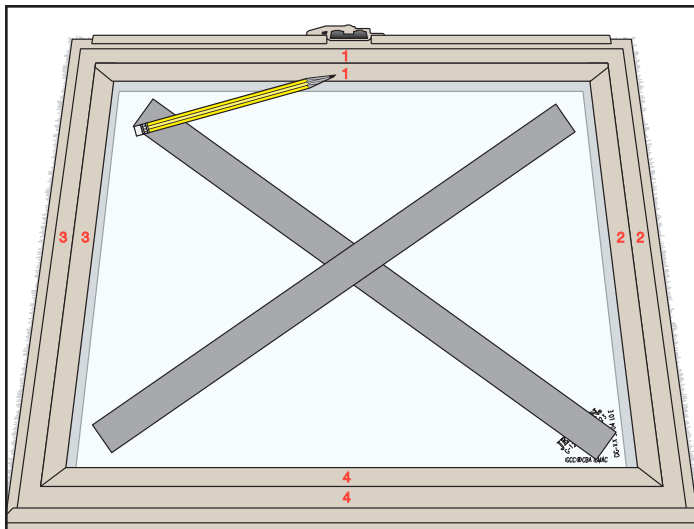
GLAZING BEAD REMOVAL FOR VINYL WINDOWS

! WARNING

After removing the glazing beads, the glass can fall. Adequately hold in place until ready to remove.

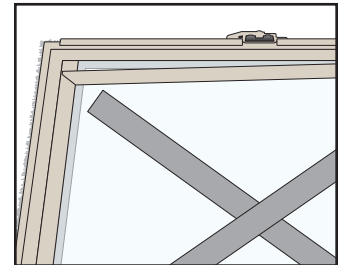
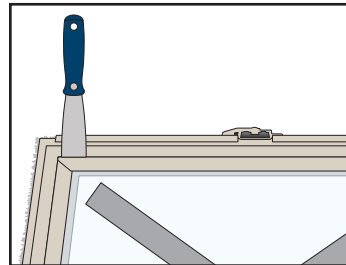
Glazing Bead Removal

1. With a pencil, mark each glazing bead and window with a corresponding number to ensure the glazing bead is replaced in its current location. Remove the top glazing bead first, followed by the vertical beads, then the bottom bead.

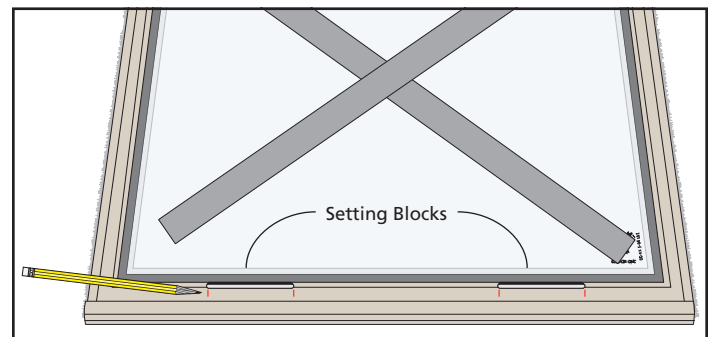


Label the Glazing Beads

2. Start at a corner joint. Insert a stiff, metal putty knife and pry the glazing bead away from the frame/sash. Continue sliding the knife along the length of the bead until the bead is completely free.



3. Repeat for remaining glazing beads.
4. Mark the location of any setting blocks.



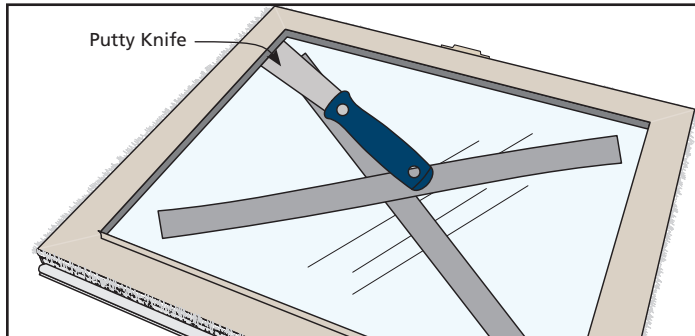
GLAZING MATERIAL AND GLASS REMOVAL FOR VINYL

NOTE: Re-measure the width, height and overall thickness of the original glass unit. Compare these measurements to the replacement unit to ensure a proper fit.

Glazing Material Removal

Tape Glazed

1. Insert the putty knife/deglazing tool between the glass and frame to cut the glazing tape. Continue to make passes until the glass is loose. Follow directions for glass removal.



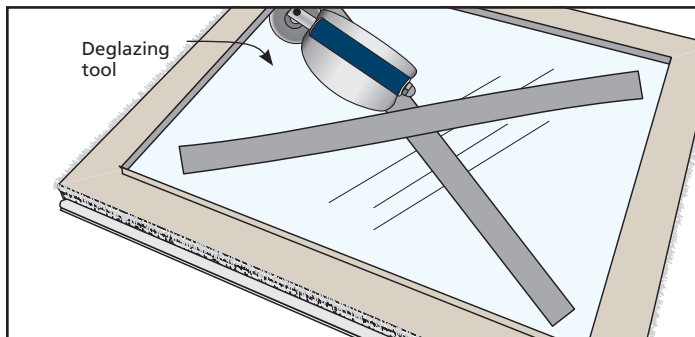
Hot Melt

1. Use a deglazing tool to cut the sealant bead.

⚠ WARNING

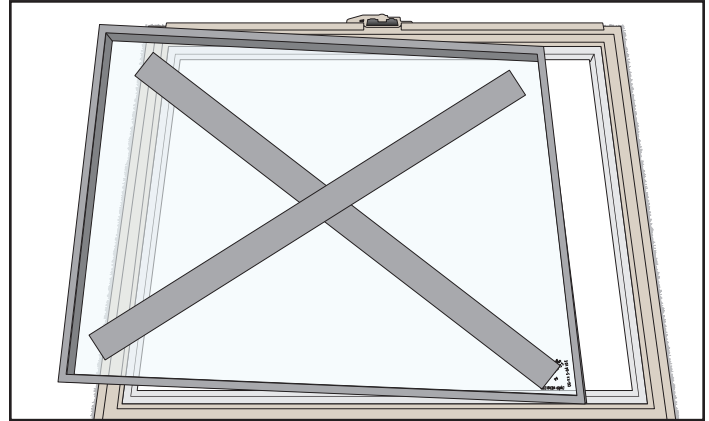
You will need to determine the depth of the glass pocket. Make sure to not cut into the glazing tower.

2. Push the tool in between the glass and frame to cut the sealant bead. Apply diluted dish soap solution to the tool to reduce friction (reapply frequently). Make multiple passes with the deglazing tool to break through the sealant bead. Continue to make passes until the glass is loose. Follow directions for glass removal.

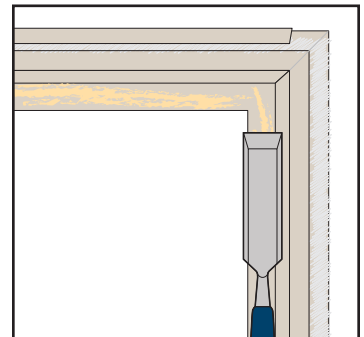


Glass Removal

1. Carefully tilt the glass out of the sash/frame.



2. Scrape all residue from the glazing tower with a narrow scraping device (e.g., wood chisel). **DO NOT** remove the raised lip on the edge.
3. Wipe clean with isopropyl alcohol turning the cloth often to maintain a surface clean.

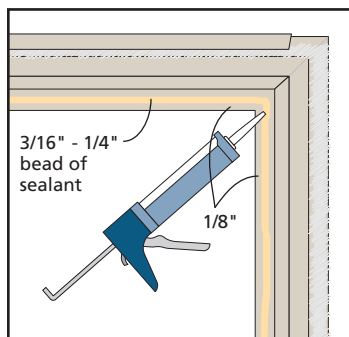


REPLACING THE GLASS

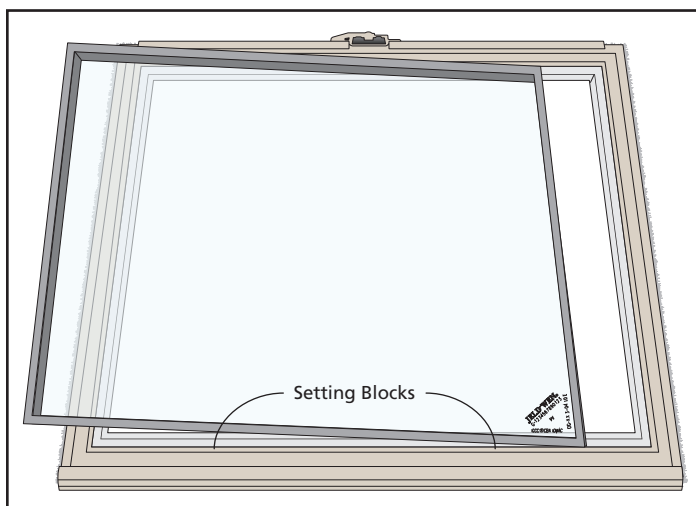
New Glass Installation

1. Test-fit the new glass in the frame to make sure it will fit.

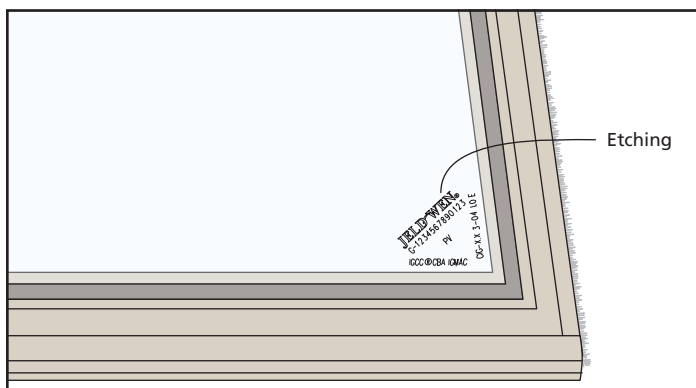
2. When the glazing tower is clean, and the alcohol has evaporated, apply a 3/16" to 1/4" continuous bead of glazing sealant 1/8" from the edge all the way around.



3. Verify the setting blocks are in the marked locations from the previous step.

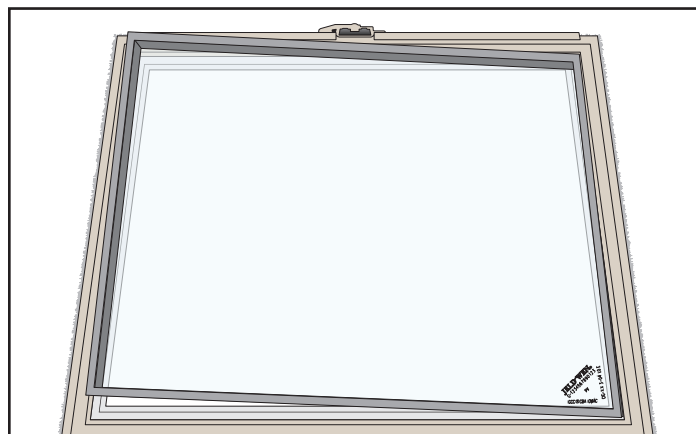


4. Orientate the new glass so the etch in one corner is on the bottom and legible from the interior.



5. Carefully set the glass into place, gently pressing it into the sealant until it has full contact all the way around.

NOTE: Make sure there are no voids or gaps between the sealant and glass.



6. Reinstall the glazing beads in the reverse order than removed.

NOTE: Use of a mallet may be needed to fully seat the glazing bead.

- Press the beads into the grooves until they snap into place along the entire length.

8. Allow the sealant to cure overnight. Trim excess sealant carefully (**DO NOT** scratch the glass).

GLOSSARY**Deglazing**

The process of cutting the glass unit from an adhesive substance or glazing bead.

Deglazing Tool

A tool used to remove/cut the glazing compound used to secure the glass.

Glass Suction Cups

A cup-shaped device, usually of plastic or rubber, designed to adhere to the face of a pane of glass.

Glazing

(n) The glass or material in the opening of a window or door.

(v) The process of inserting the glass into the opening is known as glazing the product.

Glazing Bead

A strip surrounding the edge of the glass in a window or door that serves to hold the glass.

Glazing Tape

A double-sided foam tape adhesive used to secure glass within the window frame or sash.

Glazing Tower

The portion of the window frame or sash where a sealant bead is applied to form a seal between the glass unit.

Hot Melt

Refers to a sealant or matrix that is heated when applied during the manufacturing process and cools as it cures. Used to secure the glass to the window frame or sash.

Insulating Glass (IG)

A hermetically sealed assembly of two or more panes of glass separated by a spacer. The air space creates higher insulating values.

Putty Knife

An implement with a broad, flat, metal blade.

Sash

The operating portion of a vertically hung or horizontal sliding window.

Sealant

A compound used to fill or seal a joint or opening.

Setting Blocks

Rectangular block used to space the IG from the vinyl. Critical beneath the IG unit.

Sealant Bead

The area occupied by the sealant or matrix between the glass and window frame or sash.

Please visit jeld-wen.com for warranty
and care and maintenance information.

Thank you for choosing

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