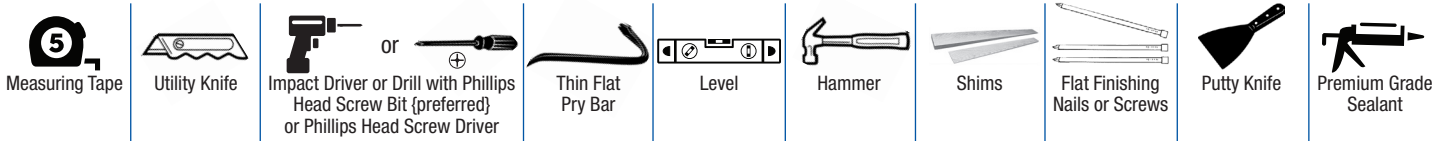


THE ENERGY KING [👑] REPLACEMENT WINDOW

Windows & Doors

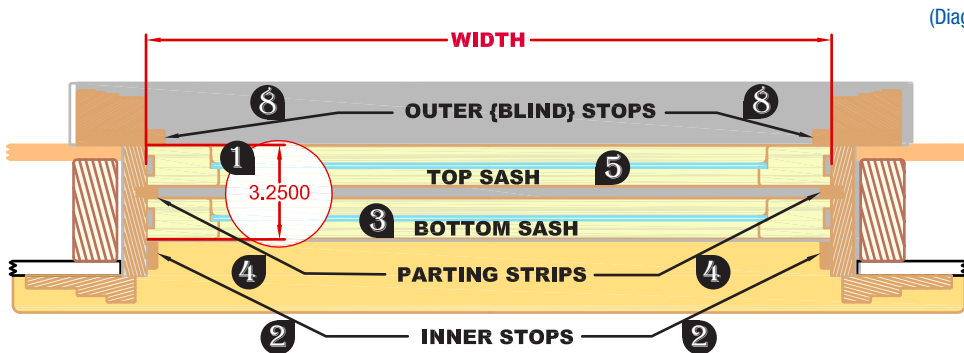
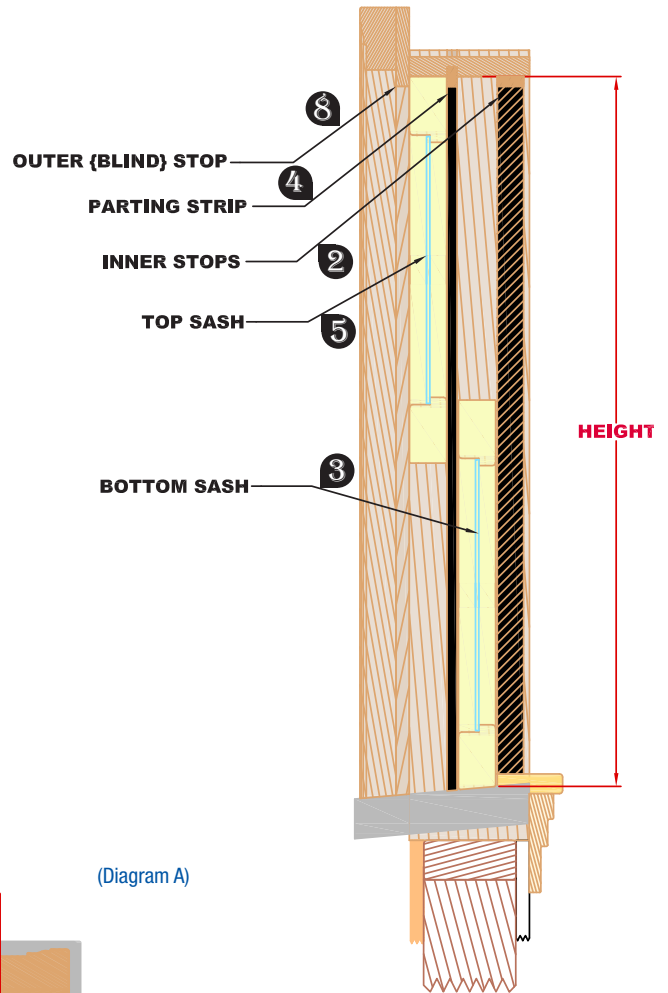
INSTALLATION INSTRUCTIONS

Tools and Supplies Required: {These items are not included with the window.}



REMOVAL OF EXISTING WINDOW

1. Before removing the existing window parts verify the window will fit the opening. (Diagram A) We recommend the width of the replacement window be 1/4" to 3/8" smaller than the opening. We recommend the height of the replacement window be 3/8" to 1/2" smaller than the opening. The pocket dimension between the outside stop and the inside stop needs to be 3 1/4" or wider.
2. Remove the inside stops from both sides and across the header (These may be re-used or replaced). In some cases the inside sash stops may be a molded piece which sits behind the window casing which can be removed and reinstalled after installation.
3. Remove the existing bottom sash. The bottom sash may be balanced by weights or springs in which case the cord or spring will need to be cut. Alternately the sash may be held up with spring loaded friction tracks, in this case remove the sash by pushing to one side and removing it.
4. Remove the parting strips from both sides and across the header. (Dispose of these properly)
5. Remove the existing top sash. The top sash may be balanced by weights or springs in which case the cord or spring will need to be cut. Alternately the sash may be held up with spring loaded friction tracks, in this case remove the sash by pushing to one side and removing it. With both sash removed the tracks can now be removed. The deeper spring pocket behind one of the tracks will need to be filled with a 1/2" thick piece of plywood.
6. Remove any pulleys and fill holes with insulation.
7. Clean the opening thoroughly with a damp rag to remove any dust or debris.



(Diagram A)



The EPA has determined that in some cases remodeling including but not limited to replacement of windows can create a lead paint dust hazard. More information on lead paint in homes and proper remodeling precautions can be found through the following link. <https://www.epa.gov>
Follow local codes and or guide lines to recycle or dispose of old window components properly.

DOUBLE HUNG INSTALLATION

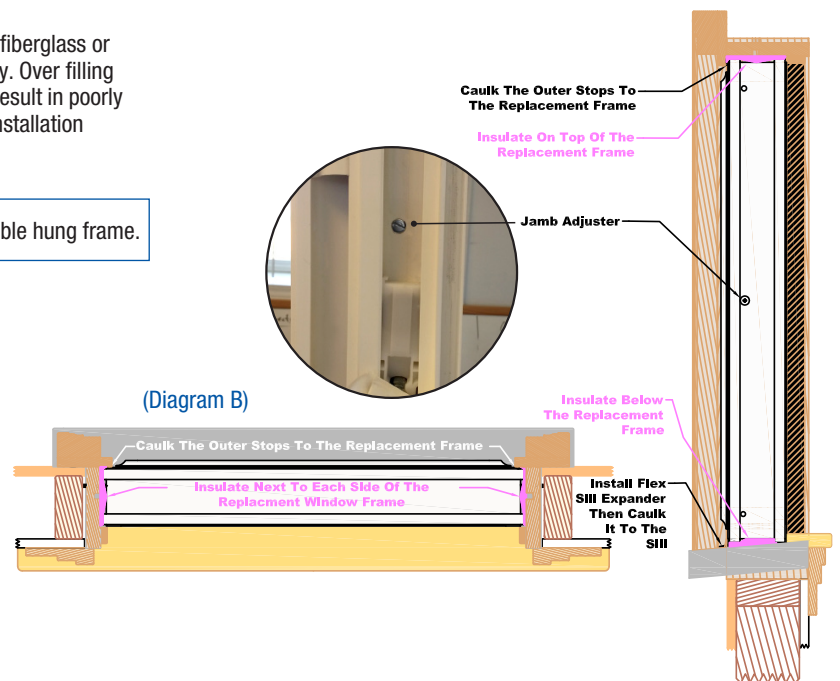


8. Apply a bead of quality sealant to the outer (blind) stops down both jambs and across the header.
9. Set the replacement window in the opening centering it between the jambs and shim around the replacement frame as needed to make it level and plumb. Check that the head of the replacement frame is behind the outer stop. You may need to shim the window up a bit to achieve this. An optional head expander is available but must be ordered with the window and is usually used when installing a replacement window in an un-square opening.
10. For a Double Hung Installation: Install (4) 2" pan head screws (provided) in the 3/8" installation holes located in the jamb outer balance track approximately 3" from the head and sill. Insert the screws through the large hole and gently snug them up until you feel the frame start to move slightly. Make sure the window frame is still level and plumb. Raise the bottom sash 6" and tilt the sash in letting it rest on the interior wood sill or stool. Lower the top sash approximately 4" and tilt the top sash in letting it rest on the bottom sash. Locate the jamb adjuster screw located near the center of the jamb in the outer balance track. Using a narrow straight blade screw driver turn the screw clockwise until the vinyl jamb is snugged up to the top sash weather stripping on both jambs. Make sure the frame jambs are straight and plumb once again. Return the sash to the full upright position and operate the window to make sure the sashes are neither too loose nor too tight in the frame.
11. (Diagram B) Insulate around the replacement frame with either fiberglass or low-expanding spray foam insulation. Do not over fill the cavity. Over filling the cavity can bow the frame out of square and or plumb and result in poorly operating windows. Install screw hole plugs (provided) in any installation holes in the frame.



Note: The jamb adjuster hole does not get plugged on the double hung frame.

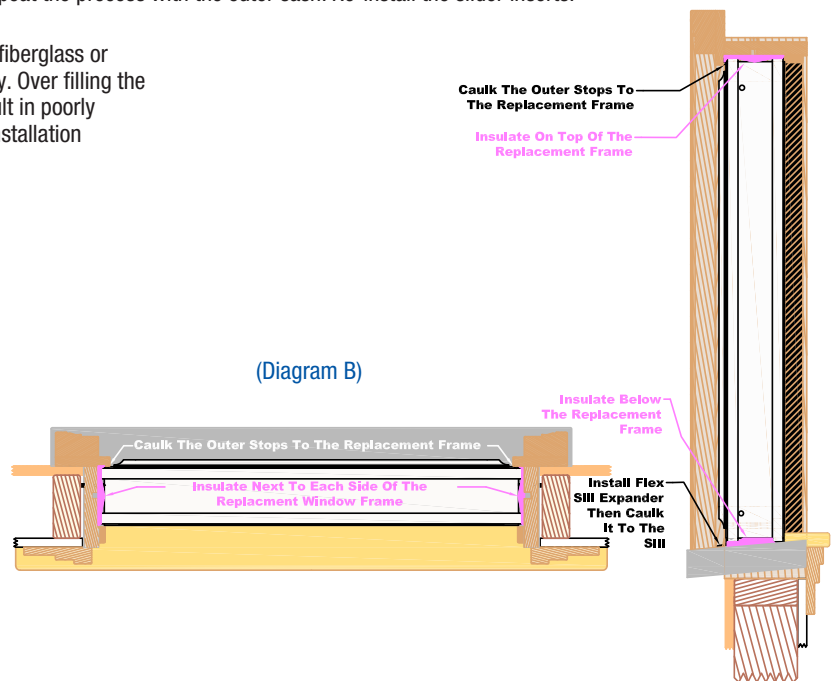
12. Re-install the inner stops either using the stops removed in step 2 or new stops purchased separately.
13. On the exterior measure between the outer stops and cut the flexible sill extension to that size. Snap the extension into the bottom frame receiver groove. The soft flex allows the sill extension to follow the contour of the sill providing a seal without measuring and cutting an expander.
14. Caulk around the perimeter of the replacement frame where it meets the outer (blind) stop. Caulk along the flexible sill extender where it meets the sill and outer stop.
15. Wash the glass with a good quality glass cleaner. If silicone caulk is on the glass it can be cleaned using isopropyl alcohol and a scraper then re-washing with glass cleaner. If silicone caulk is on the vinyl it can be cleaned using isopropyl alcohol and a clean rag.



SLIDERS INSTALLATION



8. Apply a bead of quality sealant to the outer (blind) stops down both jambs and across the header.
9. Set the replacement window in the opening centering it between the jambs and shim around the replacement frame as needed to make it level and plumb. Check that the head of the replacement frame is behind the outer stop. You may need to shim the window up a bit to achieve this. An optional head expander is available but must be ordered with the window and is usually used when installing a replacement window in an un-square opening.
10. For a Slider Installation: Slide the inner sash open and locate the 3/8" installation holes located in the jamb pocket. With shims in place at each installation screw location, insert the screws through the large hole and gently snug them up until you feel the frame start to move slightly. Make sure the window frame is still level and plumb. Slide the inner sash closed and the outer sash open. With shims in place at each installation screw location, insert the screws through the large hole and gently snug them up until you feel the frame start to move slightly. There are no jamb adjusters for slider windows. Make sure the window frame is still level and plumb. Test the operation of the slider to make sure it operates smoothly and closes easily. Open the inner sash about half way. Lift the inner sash all the way up to the top of the header and pull the bottom of the sash toward you. The sash should clear the inner sill leg for ease of cleaning the sash. Repeat the process with the outer sash. Re-install the slider inserts.
11. (Diagram B) Insulate around the replacement frame with either fiberglass or low-expanding spray foam insulation. Do not over fill the cavity. Over filling the cavity can bow the frame out of square and or plumb and result in poorly operating windows. Install screw hole plugs (provided) in any installation holes in the frame.
12. Re-install the inner stops either using the stops removed in step 2 or new stops purchased separately.
13. On the exterior measure between the outer stops and cut the flexible sill extension to that size. Snap the extension into the bottom frame receiver groove. The soft flex allows the sill extension to follow the contour of the sill providing a seal without measuring and cutting an expander.
14. Caulk around the perimeter of the replacement frame where it meets the outer (blind) stop. Caulk along the flexible sill extender where it meets the sill and outer stop.
15. Wash the glass with a good quality glass cleaner. If silicone caulk is on the glass it can be cleaned using isopropyl alcohol and a scraper then re-washing with glass cleaner. If silicone caulk is on the vinyl it can be cleaned using isopropyl alcohol and a clean rag.



CASEMENT, AWNING & FIXED LIGHT INSTALLATION



8. Apply a bead of quality sealant to the outer (blind) stops down both jambs and across the header.
9. Set the replacement window in the opening centering it between the jambs and shim around the replacement frame as needed to make it level and plumb. Check that the head of the replacement frame is behind the outer stop. You may need to shim the window up a bit to achieve this. An optional head expander is available but must be ordered with the window and is usually used when installing a replacement window in an un-square opening.

Note: Head expander cannot be used with casement windows because it would prevent the sash from swinging open.

10. For a **Casement/Awning Installation:** Operate the casement window to ensure there is no interference due to the sash being located behind the outer stop. Install (4-6) 2" pan head screws (provided) in the 3/8" installation holes located in the jamb. With shims in place at each installation screw location, insert the screws through the large hole and gently snug them up until you feel the frame start to move slightly. There are no jamb adjusters supplied with a casement window therefore shimming should be done at each installation hole location to maintain proper level and alignment. Test the window operation again to make sure it operates smoothly and closes completely. Visually inspect the outside to make sure you cannot see any obvious gaps between the sash and frame.

- 10(a). For a **Fixed Light Installation:** Install (4-6) 2" pan head screws (provided) in the 3/8" installation holes located in the jamb. With shims in place at each installation screw location, insert the screws through the large hole and gently snug them up until you feel the frame start to move slightly. There are no jamb adjusters supplied with a casement window therefore shimming should be done at each installation hole location to maintain proper level and alignment. Visually inspect the outside to make sure you cannot see any obvious gaps between the replacement frame and the outside stops.

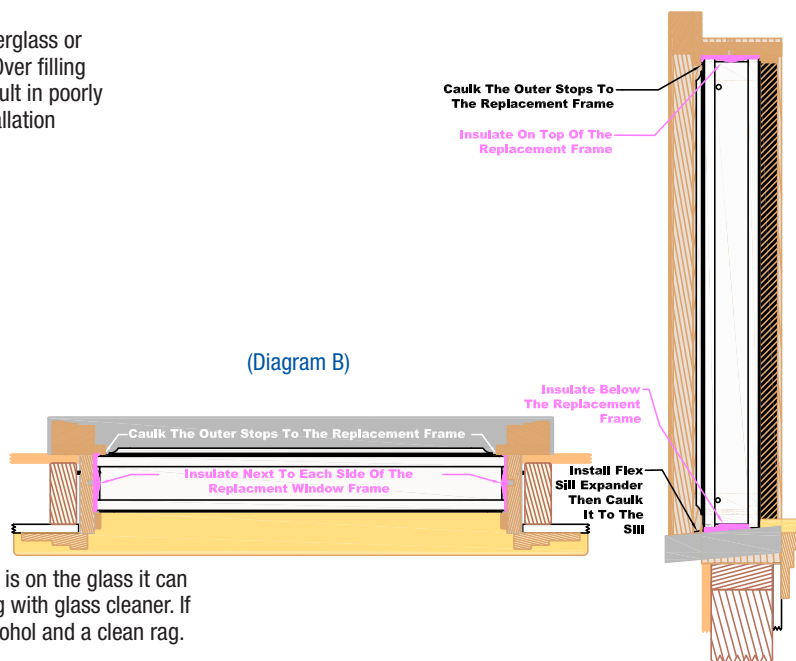
11. (Diagram B) Insulate around the replacement frame with either fiberglass or low-expanding spray foam insulation. Do not over fill the cavity. Over filling the cavity can bow the frame out of square and or plumb and result in poorly operating windows. Install screw hole plugs (provided) in any installation holes in the frame.

12. Re-install the inner stops either using the stops removed in step 2 or new stops purchased separately.

13. On the exterior measure between the outer stops and cut the flexible sill extension to that size. Snap the extension into the bottom frame receiver groove. The soft flex allows the sill extension to follow the contour of the sill providing a seal without measuring and cutting an expander.

14. Caulk around the perimeter of the replacement frame where it meets the outer (blind) stop. Caulk along the flexible sill extender where it meets the sill and outer stop.

15. Wash the glass with a good quality glass cleaner. If silicone caulk is on the glass it can be cleaned using isopropyl alcohol and a scraper then re-washing with glass cleaner. If silicone caulk is on the vinyl it can be cleaned using isopropyl alcohol and a clean rag.



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