

INSTALLATION INSTRUCTIONS

Caution: Some areas that are designated as high wind speed zones and wind-borne debris regions may require additional or special anchorage in order to comply with local and state building codes. Please consult your local Code Official for certified instructions regarding the installation of this product.

Read all instructions thoroughly before beginning the installation of the window. These instructions are intended as a basic guide for installing replacement windows. If you require more in-depth instructions, that cover a specific window or door style or installing windows in a new construction application, please contact your Jantek Window retailer or email service@jantekllc.com.

Note that parties, other than the homeowner, who are installing replacement windows must be U.S. EPA licensed RRP contractors and follow the United States Environmental Protection Agency regulation regarding Renovation, Repair and Paint which can be found at <https://www.epa.gov/lead>. Jantek encourages anyone who is installing its products into a building constructed prior to 1978 to follow the EPA's RRP instructions for removal and disposal and replacement of windows as specified therein.

STEPS TO FOLLOW:

1. Download and review the detailed product and technical information, including the performance and features, of your specific products by visiting the product page(s).

<https://jantekwindows.com/products/>

Tools Required:

- a. Tape Measure
 - b. Bubble Level
 - c. #2 Phillips Bit (4" in length)
 - d. #3 Phillips Screwdriver
 - e. Small Rubber Mallet
 - f. Pry Bar
 - g. Cordless Screw Gun
 - h. 1/8" Drill Bit (4" in length)
 - i. 3/32" Drill Bit (masonry bit when applicable)
 - j. Caulk Gun
 - k. Color-matched Silicone Caulk for exterior (structural sealant when applicable)
 - l. Color-matched Latex paintable caulk for interior
 - m. 3" long galvanized decking screws
 - n. Sawzall (for cutting)
2. Safety is your responsibility. Jantek suggests:
- a. Wear safety glasses
 - b. Kevlar safety gloves
 - c. Review and follow ladder safety common sense
- <http://www.americanladderinstitute.org/?page=BasicLadderSafety>

3. Inspect (pre-installation preparation):

a. Before removing old unit inspect new unit for correct size, type, damage, and correct installation information for your application. If a problem exists with any of these areas, contact Jantek before installing.

b. Begin by measuring the window to be replaced (See the "Guide To Measuring" link on Jantek's website). Measure at least three locations: top, middle and bottom of the window on width, and right, center and left on height. Use the smallest of these measurements to determine the width and height. Do not remove the old window until the dimensions of the new window have been verified to fit the opening properly and you have all the accessories needed.

c. Check opening for square by measuring diagonally. If opening is out of square, additional cut backs may be required.

d. Accessories are available, but not required, from Jantek to ease the installation and finishing of the new window. When using exterior accessories such as a sill extender or snap on flange, sealant must be applied in the accessory groove of the frame or in the accessory piece itself prior to application in order to prevent leaks. It is the installer's responsibility to make sure that any attached accessory joint is weatherproof. For more information on accessories and their applications contact your Jantek Retailer.

4. Removal of existing unit:

a. Remove the old window and prepare the opening (leveling off the sill if necessary).

i. If as noted above, the building was constructed prior to 1978, refer to the link as listed for information on the EPA RRP rule.

ii. It is important to remember that the replacement window must fit into the opening plumb, level and square (see diagram below), even though the opening may not be any of these. If the window is not plumb, square, and level (see diagram below) the following problems may occur:

- *Double Hung and Slider sash may be difficult or impossible to remove.*
- *Casement sash may not operate properly due to excessive drag on the sill.*
- *The sash pivot bar on Double Hung windows could bind and cause the sash to become inoperative.*
- *The interlocking meeting rail on Double Hung and Slider windows may not perform properly, allowing air and water infiltration, even if the sash is locked.*
- *The weather-stripping may not seal properly, allowing air and water infiltration. The partial ventilation latch on Slider windows may drag on the center leg of the sill or be inoperative.*
- *The locking system may not engage properly.*

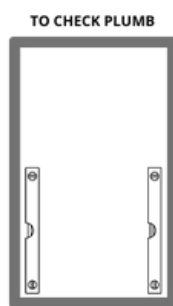


Fig. A



Fig. B

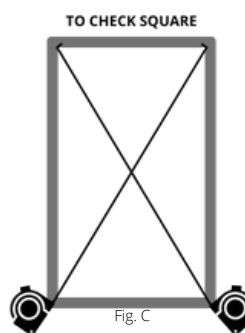


Fig. C

5. Installation:

a. In the event of using finned products (generally referred to as new construction) please utilize these recommended flashing instructions:

<https://www.dupont.com/content/dam/dupont/amer/us/en/performance-building-solutions/public/documents/en/K27340%20Window%20Installation%20Up%20to%204%20Inch%20Recess%20After%20WRB.pdf>

b. If the opening is out of square, you may choose to utilize the optional "head expander" accessory available from Jantek to fill the uneven gap between the top of the window frame and the opening header. The head expander should be placed over the top of the window master frame prior to placing the window into the opening.

c. When installing in a slope sill application place wood blocks along the existing windowsill. The blocks will help support the window and keep the sill level.

d. Tilt the new window up into the opening with the sash closed and locked. If wood blocks have been set per sloped sill installation, set it down on the wood blocks placed along the windowsill. If the head expander is used, adjust it to fill the gap at the opening header and the top of the window frame.

e. Shim the window at all anchor points and where necessary to hold the unit secure while checking it for plumb, level, and square position in the opening. Be careful not to over shim to avoid twisting or deflection of jambs.

f. To check plumb: Place a level vertically on both the interior and face of the left and right jambs. If the bubble indicator is centered, the unit is plumb (Fig. A).

g. To check level: Place a level along the sill. If the bubble indicator is centered, the unit is level (Fig. B).

h. To check square: Measure window frame diagonally. Measure from the top left corner of the frame to the bottom right corner and from the top right to bottom left. If the measurements are equal, the window is square (Fig. C). You can also check the squareness by closing the sash to the point where it just meets the head or sill. If both sides of the sash meet the head or sill at the same time, the window is square.

i. Once the window is plumb, level and square, install at least four (2per side) 3" galvanized deck screws by drilling them into the jambs 6" to 8" from the head and the sill (you may use the pre-drilled installation holes as a guide). Use screws in the head also if necessary to plum that area. **DO NOT USE SCREWS IN THE SILL** as that will compromise the internal weep system. Make sure to locate the screws so that they are anchored into the structural opening. Shims should be used to establish spacing at anchoring points and should be penetrated by the installation screw. **DO NOT OVER TIGHTEN THE SCREWS**, as this could cause the frame to bow. Recheck the sash for proper operation. Once the screws have been installed. Caulk and cover the installation and jamb adjuster holes when necessary.

j. Loosely pack insulation around the window frame, on the interior, between the frame and the opening. We do not recommend the use of spray foam as it may contort the mainframe if over sprayed and/or it may adhere to the visible surfaces of the window and be difficult to remove without damage to the vinyl finish. If gaps between the unit and the opening are less than 1/8" the unit may not require insulation. When this occurs Jantek recommends an exterior and interior perimeter seal to create a dead air space.

k. Note: When installing left or right hinge Casements:

1. Place installation screws approximately within 6" from sill and head on the jambs (both sides of the window) also as required place screws in the center of the Jambs.
2. Replace the last screw in the hinge track closest to the center of the window in both top and bottom hinge tracks with installation screws. Prior to replacing the screw in the sill, fill the hole with sealant before running the installation screw into the hole. Seal the head of the screw to be sure it remains watertight.
3. After the window is secured, recheck the sash operation and the weather seals.

l. Note: When installing windows replace one of the screws in the operator assembly with a 3" long galvanized decking screw

- m. In the event of using finned products (generally referred to as new construction) please utilize these recommended flashing instructions: <http://www.dupont.com/content/dam/assets/products-and-services/construction-materials/assets/K17933-FlashingGuidelinesBEFORE-10-30-11.pdf>
- n. Finish off the exterior of the window. Attach the sill extender (if necessary) to the bottom of the sill and trim it to fit in the opening. Be careful not to cut the sill extender too tight to prevent deflection of the sill. Sill extender should not be used as support. Be sure to use the proper grade of sealant to seal the entire perimeter of the window. Do not leave any gaps where water or outside elements can penetrate into the home. Use common sense to complete the exterior. Seal all areas that are prone to air or water infiltration. Make certain that the weeps on the outside of the window are open and that water can drain from the sill and out of the weeps.
- o. Make certain sash(s) open, close and lock properly. Operable slider sash should lift out freely. Finish off the interior of the window.
- p. Remember: The homeowner is the final inspector. Clean the window well and remove all debris from the job site. Be sure the homeowner is familiar with the proper operation, features and documentation of the window. (For example, the Jantek NFRC Label & Warranty)