



# Clad/Wood Sliding Patio Door 2-Panel Knock Down Assembly Instructions

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These instructions were developed and tested for use with wall systems designed to manage water. These instructions are not to be used with any other construction methods or door frame types. Installation instructions for use with other construction methods or frame types may be obtained from Pella® Corporation, your local Pella retailer or [www.installpella.com](http://www.installpella.com). Building designs, construction methods, building materials, and site conditions unique to your project may require an installation method different from these instructions and/or additional care. Determining the appropriate installation method is the responsibility of you, your architect, or construction professional.



Always read the Limited Warranty before purchasing or installing Pella® products. By installing this product, you are acknowledging that this Limited Warranty is part of the terms of the sale. Failure to comply with all Pella installation and maintenance instructions may void your Pella product warranty. See written Limited Warranty for details, including exceptions and limitations at [pella.com/warranty](http://pella.com/warranty), or contact Pella Customer Service at 877-473-5527.

BY PURCHASING, INSTALLING OR USING PELLA PRODUCTS (INCLUDES PELLA GOODS AND PELLA SERVICES), YOU AGREED TO THE TERMS OF THE LIMITED WARRANTY AND YOU AND PELLA FURTHER AGREE TO ARBITRATE DISPUTES ARISING OUT OF OR RELATING TO PELLA PRODUCTS, AND YOU WAIVE ANY RIGHT TO PARTICIPATE IN A CLASS ACTION RELATED TO PELLA PRODUCTS unless you notify Pella of your decision to opt out of the Arbitration Agreement no later than ninety (90) calendar days from the date you purchased or otherwise took ownership of Your Pella Goods. Opting out of the Arbitration Agreement will not affect the coverage provided by any applicable limited warranty pertaining to Your Pella Products. For opt out information and additional details please read the Limited Warranty and Arbitration Agreement for your Pella Products at [www.Pella.com/arbitration](http://www.Pella.com/arbitration).



# IMPORTANT SAFETY AND PRODUCT INFORMATION

**Safety Alert Symbol Reference:** These symbols are intended to alert you to potential injury hazards and information.

Obey all safety messages.

**COULD**

Result in:



**COULD**

Result in:



**COULD**

Result in:



**COULD**

Result in:



To ensure safety and security and help prevent property damage, including possible damage to your window or door, close and lock windows and doors any time they are not being used for venting on a nice day, and particularly during high winds or rain. Ensure all windows and doors are properly fastened to the wall structure according to the product anchor instructions. It is the responsibility of the Buyer or User, the architect, contractor, installer, or other construction professional to ensure the appropriate windows and doors are chosen for the project and the wall construction is designed to resist all loads in accordance with local building code requirements.



Many doors in older homes are painted with lead-based paint. Removal of old doors may disturb this paint. Proper precautions must be taken to minimize exposure to dust and debris. Consult state or local authorities and/or go to [www.epa.gov/lead](http://www.epa.gov/lead) for more information.

**NOTICE**

Pella products must be stored in an upright, level position not exposed to weather. The storage must be ventilated and provide protection from direct sunlight and excessive temperature.

**IMPORTANT NOTICE**

Because all construction must anticipate some water infiltration, it is important that the wall system be designed and constructed to properly manage moisture. Pella Corporation is not responsible for claims or damages caused by anticipated and unanticipated water infiltration; deficiencies in building design, construction and maintenance; failure to install Pella products in accordance with Pella's installation instructions; or the use of Pella products in wall systems which do not allow for proper management of moisture within the wall systems. The determination of the suitability of all building components, including the use of Pella products, as well as the design and installation of flashing and sealing systems are the responsibility of the Buyer or User, the architect, contractor, installer, or other construction professional and are not the responsibility of Pella.

Pella products should not be used in barrier wall systems which do not allow for proper management of moisture within the wall systems, such as barrier Exterior Insulation and Finish Systems (EIFS) (also known as synthetic stucco) or other non-water managed systems. Except in the states of California, New Mexico, Arizona, Nevada, Utah and Colorado, Pella makes no warranty of any kind on and assumes no responsibility for Pella windows and doors installed in barrier wall systems. In the states listed above, the installation of Pella Products in barrier wall or similar systems must be in accordance with Pella's installation instructions. Product modifications that are not approved by Pella Corporation will void the warranty.

**CARE AND MAINTENANCE:** Refer to the Pella Owner's Manual. Visit [www.pella.com](http://www.pella.com) or your local retailer for more information.

**CLEANING INSTRUCTIONS:** Refer to the Pella Owner's Manual for comprehensive maintenance and cleaning information. Visit [www.pella.com](http://www.pella.com) or your local retailer for more information.

**NOTICE**

DO NOT apply any other types of film to the glass. Doing so could void product warranty.

**NOTICE**

DO NOT use abrasives. DO NOT scrape or use tools that might damage the surface.

**NOTICE**

DO NOT use inappropriate solvents or brickwash or cleaning chemicals. If you do, permanent damage can result and the product failure, loss or damage would not be covered by the Limited Warranty.

**FINISHING INSTRUCTIONS (WOOD PATIO DOORS):** Paint or finish immediately after installation. If products cannot be finished immediately, cover with clear plastic to protect from dirt, and moisture. Remove any construction residue before finishing. Sand all wood surfaces lightly with 180 grit or finer sandpaper. DO NOT use steel wool. **BE CAREFUL NOT TO SCRATCH THE GLASS.** Remove sanding dust. Pella products must be finished according to these instructions; failure to follow these instructions voids the Limited Warranty. Finishing panel edges is optional for Patio Doors.

**NOTICE**

To maintain proper product performance do not paint, finish or remove the weatherstripping, mohair dust pads, gaskets, or vinyl parts. Air and water leakage will result if these parts are removed. After finishing, allow venting doors and doors to dry completely before closing them. If paint, stain or finish gets on the weatherstripping, wipe it off immediately with a damp cloth.

**NOTICE**

Do not use Isopropyl Alcohol on laminated surfaces as it will damage the finish. Keep door tracks clear of dirt and debris. Keep weep holes open and clear of obstructions.

**PANEL CLEANING AND PREP INSTRUCTIONS FOR UNFINISHED OR PRIMED PANELS:** Dry wipe dust from doors gently. Examine door for possible smudges or fingerprints made from normal handling or construction. To remove smudges, lightly wipe surface with warm water. Finish the door panels as soon as possible after installation.

**NOTICE**

The use of unapproved finishes, solvents or cleaning chemicals may cause adverse reactions with door materials. Pella will not be responsible for problems caused by the use of unapproved materials. If in doubt, contact your local retailer or representative.



**NOTICE BEFORE REMOVING PREVIOUSLY INSTALLED DOOR AND BEGINNING FRAME ASSEMBLY AND INSTALLATION:**

- Read through and understand all the assembly steps and the installation process.
- Carefully remove shipping/packaging materials and check for any product damage.
- Confirm the correct product was received (size, color, handing, etc.).
- Confirm all parts as listed in the QC Checklist are present and accounted for.



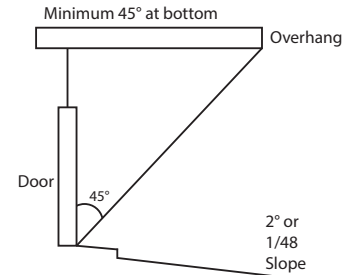
**If there are any missing parts, product damage, wrong parts, or other issues...**

**NOTICE DO NOT assemble!**

Contact Pella Customer Service at: 877-473-5527 or contact your local sales representative or customer service team.

Before purchasing and installing, verify performance of product meets the requirements of the application and region. Not all products or sill types are rated for water performance. To reduce the likelihood of water infiltration where application exceeds product performance, install doors under an overhang that extends to meet a 45 degree line from the door sill and slope the exterior 2 degrees away from the door or use a stepdown.

**FAILURE TO DO SO MAY RESULT IN DAMAGE TO THE INTERIOR OF THE STRUCTURE.**



**NOTE:**

- Header must be designed to bear the weight of all building (roofing) and construction loads. Maximum allowable header deflection of 1/4" over total span of the opening.
- Sill structure and framing must be designed and constructed to carry the weight of the door frame and door panels.

**Installation Instructions for Typical Wood Frame Construction.**

These instructions were developed and tested for use with typical wood frame wall construction in a wall system designed to manage water. **These instructions are not to be used with any other construction method.**

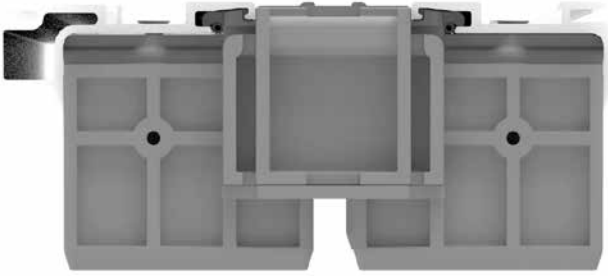


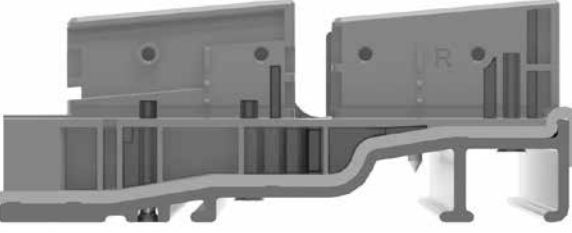

Installation instructions for use with other construction methods may be obtained from Pella Corporation, a local Pella retailer, or by visiting <http://www.pella.com>. Building designs, construction methods, building materials, and site conditions unique to your project may require an installation method different from these instructions and additional care. Determining the appropriate installation method is the responsibility of you, your architect, or construction professional.











**Parts List:**

- (1) Frame - Sill and Head package  
(See Parts List Below)
- (1) Frame - Jamb package  
(See Parts List Below)
- (1) Vent Panel
- (1) Fixed Panel

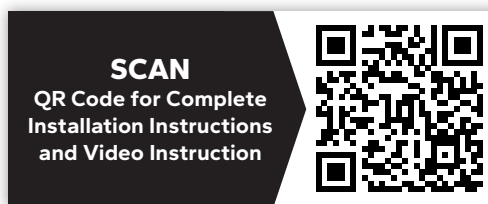
**Tool List:**

- Powered driver with Phillips drive bit
- Sealant applicator (gun)
- Rubber mallet
- Flat blade screwdriver
- Suction cups
- 1/8" drill bit
- 5/32" drill bit
- Painter's tape (2" wide)

Part	Description	Qty
	Frame head sub-assembly	1
	Frame jamb sub-assembly – Fixed	1
	Frame jamb sub-assembly – Lock	1
	Frame sill sub-assembly	1
	Fixed interlocker sub-assembly	1

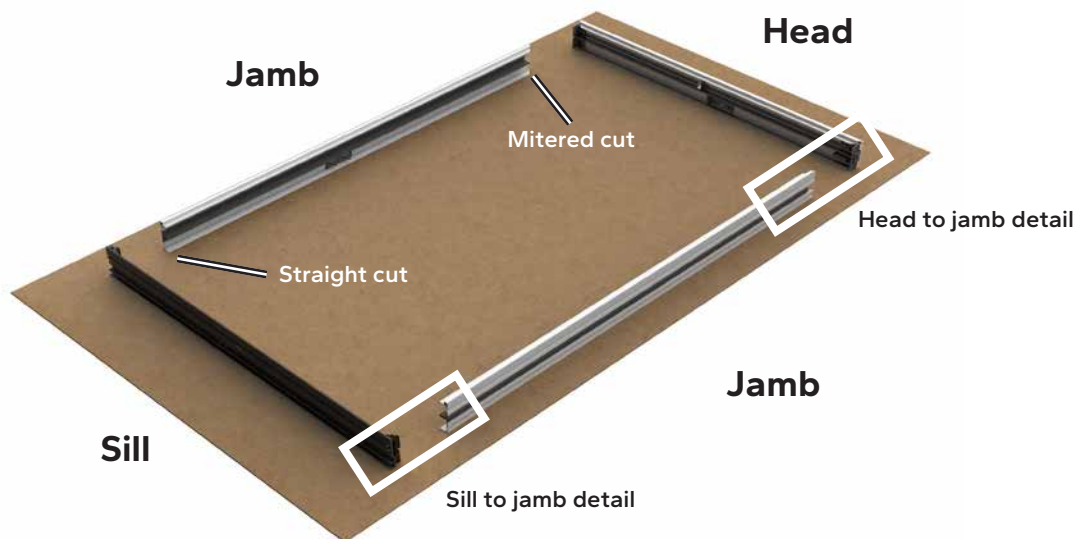
Part	Description	Qty
 #8 x 5/8" Phillips Pan Head  #8 x 5/8" Phillips Pan Head Type F  #8 x 3/4" Phillips Flat Head  #8 x 1" Phillips Pan Head  Fixed Bracket	<b>Bag Containing:</b> <ul style="list-style-type: none"> <li>• #8 x 5/8" Phillips Pan Head screws (QTY of 5)</li> <li>• #8 x 5/8" Phillips Pan Head Type F screw (QTY of 1)</li> <li>• #8 x 3/4" Phillips Flat Head screws (QTY of 12)</li> <li>• #8 x 1" Phillips Pan Head screws (QTY of 10)</li> <li>• Fixed Bracket (QTY of 1)</li> </ul> <p><b>Note:</b> There will be extra screws left over.</p>	1
 #10 x 2-1/2" Phillips Pan Head  #8 x 3" Phillips Flat Head  Lock Strike Cover  Fin Corner	<b>Bag Containing:</b> <ul style="list-style-type: none"> <li>• #10 x 2-1/2" Phillips Pan Head screws (QTY of 7)</li> <li>• #8 x 3" Phillips Flat Head screws (QTY of 14)</li> <li>• Lock Strike Covers (QTY of 2)</li> <li>• Fin Corners (QTY of 2)</li> </ul>	1
	Installation Sealant - Gray	1

# 1 Opening Preparation:



## 2 Frame Assembly:

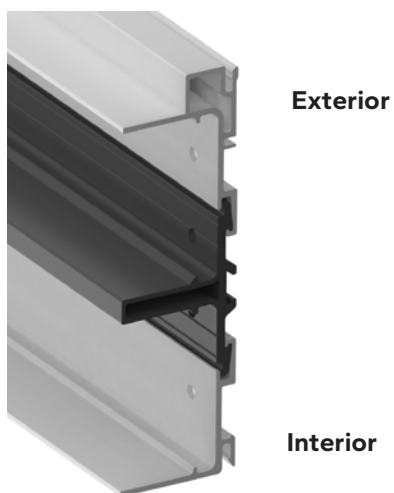
- A. Place all frame sub-assemblies, exterior side up, on cardboard or similar surface to protect the finish.



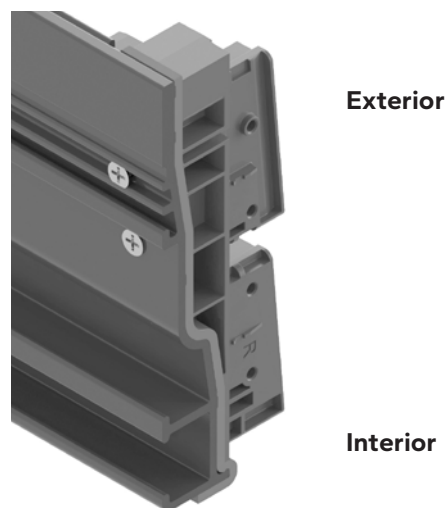
### Orientation checks:

Jambs have a straight cut end and a mitered end. Straight cut end always mates to sill.

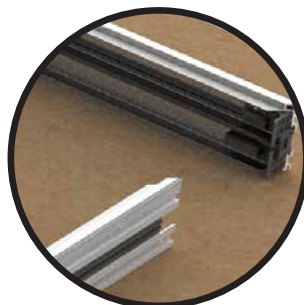
Frame Head/Jamb Orientation



Frame Sill Orientation



- B. Connect the head to the jambs.



Head to jamb detail

## 2 Frame Assembly (continued):

- C. Position one end of the **Head sub-assembly** and insert the exposed cornerlock into a **Jamb sub-assembly**.

- D. Make sure the miter joint is tight. If needed, use a mallet to seat the head fully into the jamb.

- E. Install (2) **#8 x 3/4" Phillips Flathead** screws into each corner.



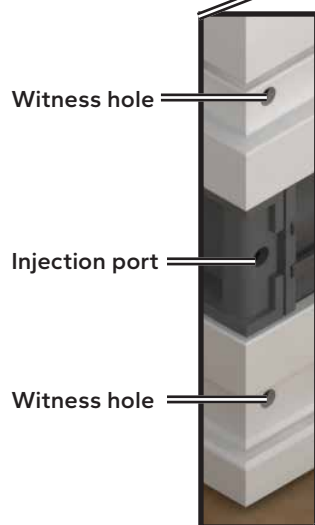
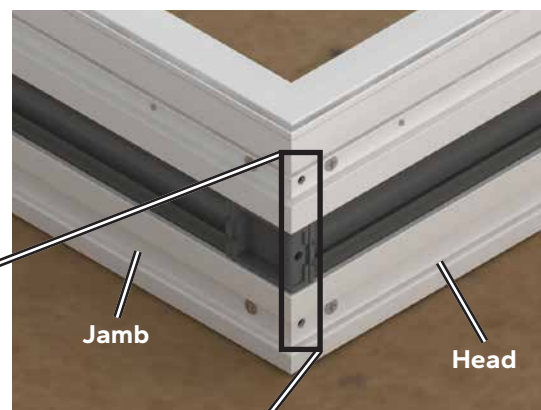
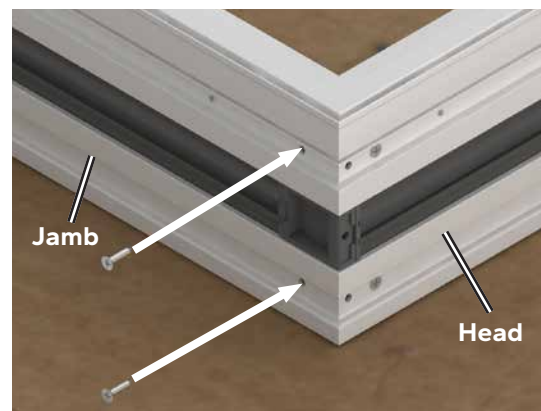
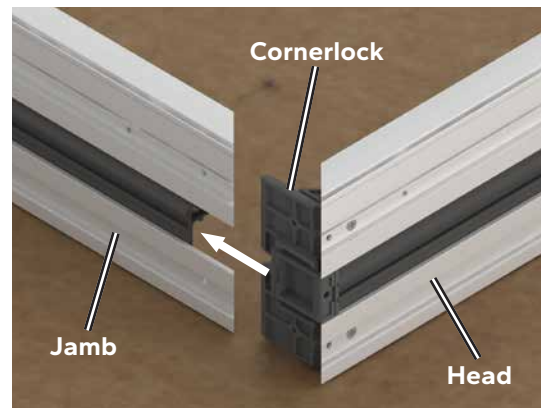
Repeat 2C-2E on the other head to jamb corner.

- F. Using included **Pella Installation Sealant**, inject one corner of **Head to jamb sub-assembly**.

Cut off sealant tube tip so it fits into the **injection port** at the top of the head cornerlock as shown. Slowly inject sealant while keeping pressure against the **injection port**.

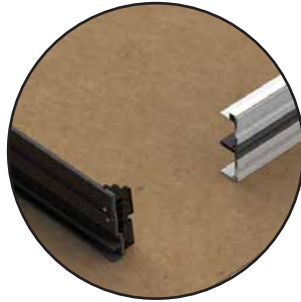
When sealant is observed at both head **witness hole** locations, stop sealant application.

Repeat injection on the other head to jamb corner.



## 2 Frame Assembly (continued):

- G. Connect the sill to the jambs.

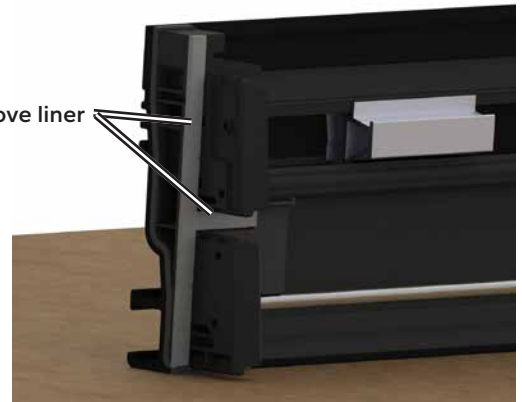


Sill to jamb detail

- H. On **Sill sub-assembly**, remove the release liner from the two gray butyl pieces on the sill.

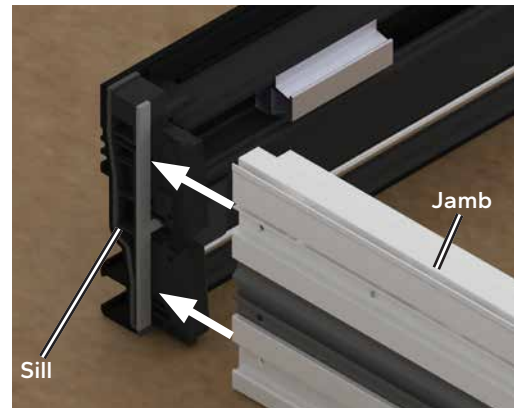
Be sure to remove the release liner from both sill ends before proceeding.

Remove liner



- I. Position one end of the **Sill sub-assembly** and insert it into the **Jamb sub-assembly**.

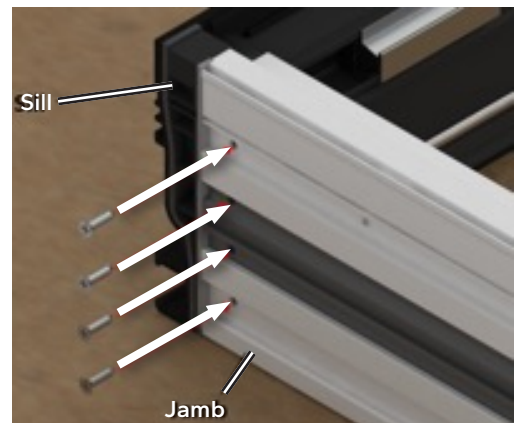
If needed, use a rubber mallet to seat the sill fully into the jamb.



- J. Install (4) **#8 x 3/4" Phillips Flathead** screws into the corner.



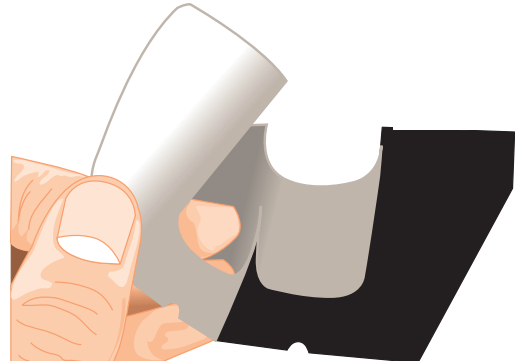
Repeat 2H-2J on the other sill to jamb corner.



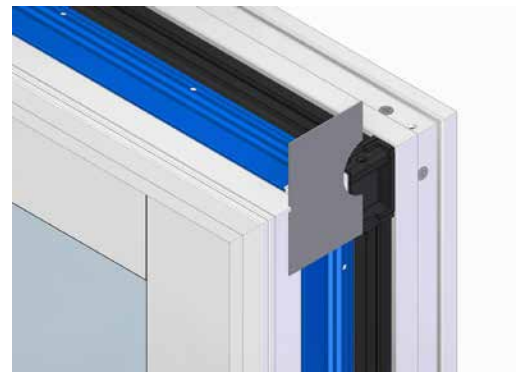
## 2 Frame Assembly (continued):

**NOTE:** For frames provided with installation fins – install the flexible fin corners.

- K. **Remove the outer portion of the backing** from a new fin corner by pulling on the tab at the corners.

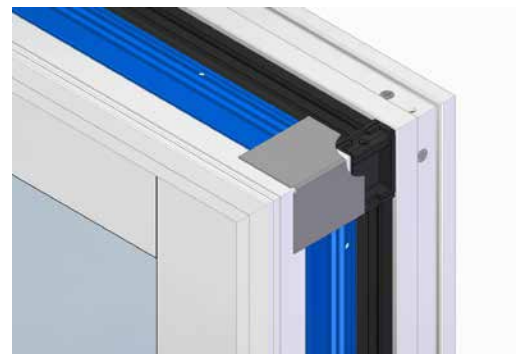


- L. **Align the front edge of the fin corner in the middle of the frame cladding** so that it is adhered to both the cladding and the blue fin. Align the front locating notch with the corner of the frame.



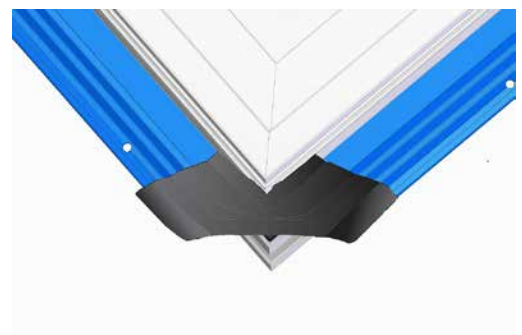
- M. **Fold the fin corner over the corner** of the product and rub firmly over the entire surface to activate the adhesive and ensure a good seal.

- N. **Lift the installation fin just enough to fold under and adhere the tab** of the fin corner to the back of the installation fin.



- O. **Repeat Steps K - N** for the opposite corner of the product.

- P. **When ready to install**, fold out the fin, stretching the fin corner.



## 3 Frame Installation:

- A. **Install the assembled frame** (with no panels) into rough opening per installation instructions.



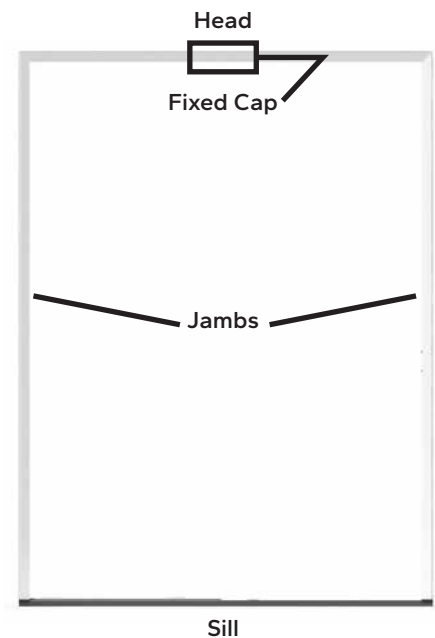
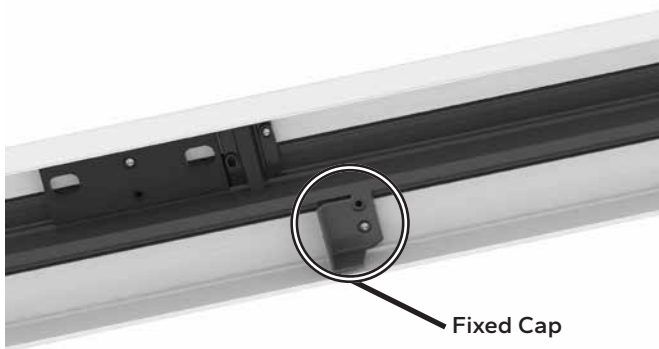
**NOTICE** Be sure to move the frame from the floor to the rough opening in unison with one person at each jamb as not to introduce twist and racking onto the unsupported frame.

### IMPORTANT NOTE:

DO NOT SHIM or install any fasteners into the head of the unit until AFTER the fixed panel is installed.

## 4 Fixed Panel Installation:

- A. **Locate the Fixed Cap** in the exterior channel in the center of the frame head. The fixed cap must be removed before installing fixed panel.



- B. **Remove and save** the attachment screw.

## 4 Fixed Panel Installation (continued):

- C. **Grasp and twist** the fixed cap 90 degrees to release it from frame. Remove and save for later use.

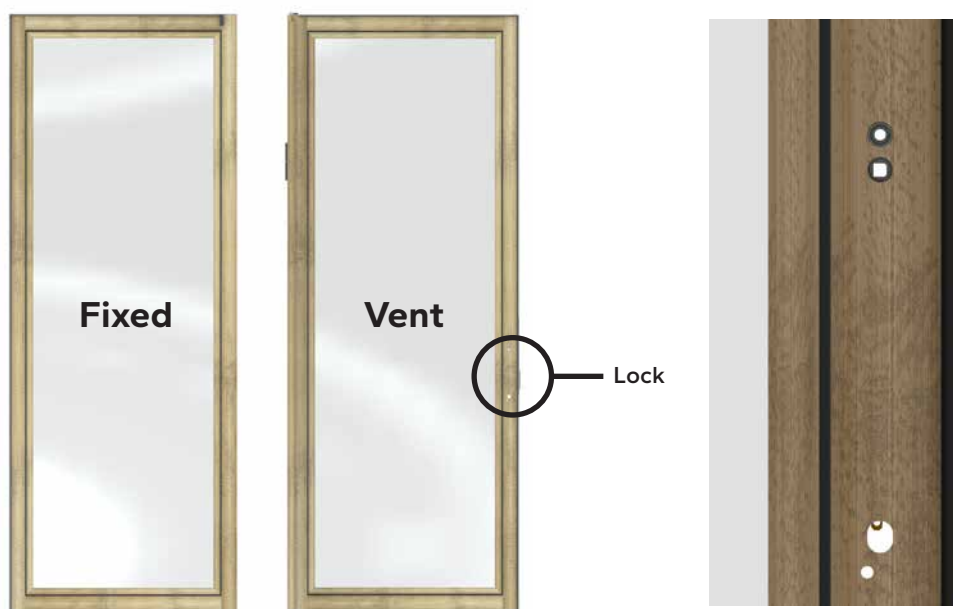
**Alternate option;** leave the fixed cap in the frame head and slide it toward the lock jamb.



**NOTICE** Keep Fixed cap and screw. Temporarily store them in safe location. These will be reused when fixed panel is installed.



**Identify the fixed panel.** The fixed panel is the panel without any handle holes or lock.



## 4 Fixed Panel Installation (continued):

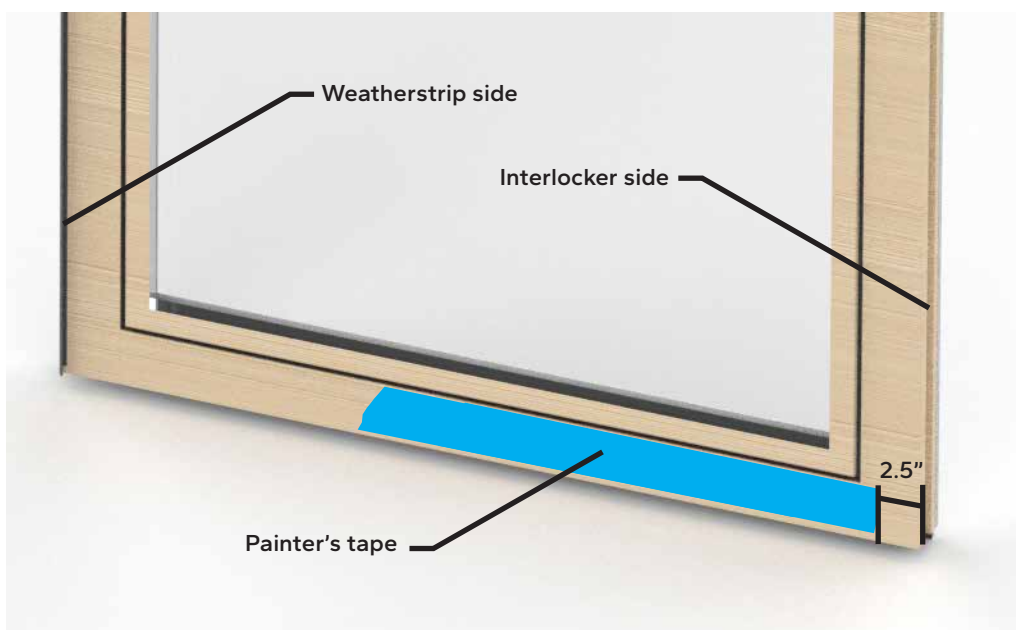
- D. From the interior side of the door, start with the fixed panel in the vertical position.

**NOTICE** Make sure the aluminum cladding is facing toward the exterior and make sure the top of the fixed panel is facing up. The top of the fixed panel has a black cover across the top as shown.

Top of Fixed Panel

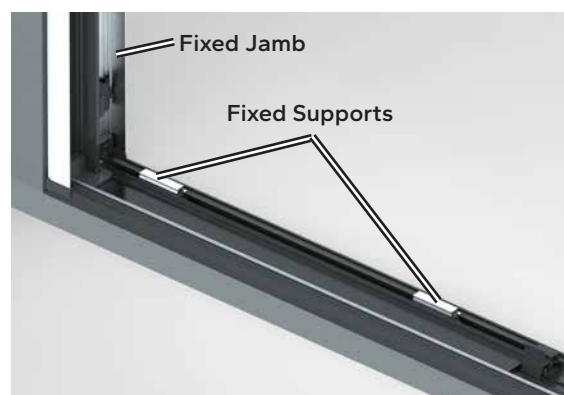


- E. Before placing panel into frame, use a 2" wide strip of painter's tape on the interior side of the fixed panel on the bottom rail. Tape should start 2-1/2" from the edge of the interlocker side of the panel (side opposite the stile with the black weatherstrip) and run just past the middle of the panel. This tape is to protect the interior finish from scratches while installing panel.



- F. Position the fixed panel to the fixed side of the door frame.

Looking at the sill, the fixed side of the frame has two aluminum 'fixed supports' onto which the fixed panel will be positioned. The fixed jamb is to the side closest to the supports.

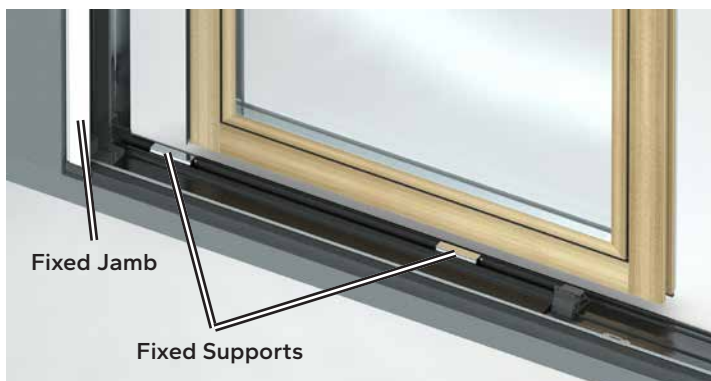


## 4 Fixed Panel Installation (continued):

- G. **Position the bottom of the panel through the frame opening at a slight angle.** Use suction cups on glass if panel is too heavy to grip and hold by edges.



- H. **Continue to lift the panel** through the opening at an angle until the bottom of the panel clears all the parts on the bottom of the sill.



- I. **Before lifting the panel into the head,** its best to position the panel close enough to the fixed jamb so at least some part of the bottom of the panel would always be in contact with the two fixed supports on the sill.
- J. **Lower the panel** slightly so the top of the panel can be inserted into the exterior head opening.
- Lift the panel** all the way up into the exterior head opening.

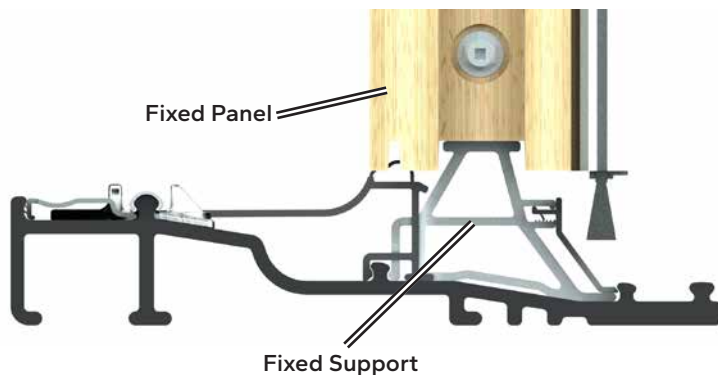


## 4 Fixed Panel Installation (continued):

- K. **With the panel all the way up into the head**, tilt the panel until bottom of the panel is over the two aluminum supports on the sill.

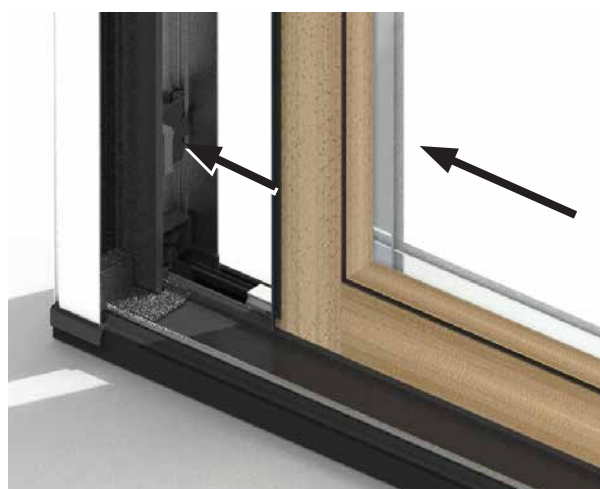
**Lower the panel onto the fixed supports.** Make sure the panel is properly positioned on the sill fixed supports, with the supports in the groove on the bottom of the panel.

The bottom of the panel will interact with the sill as shown in the cross section.

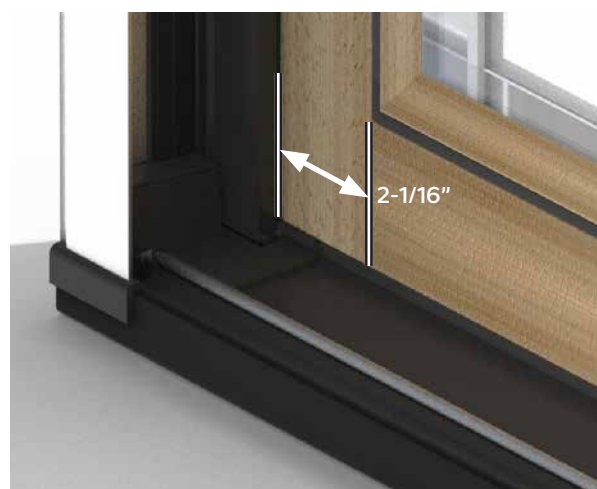


- L. **Slide the panel over into the fixed jamb** until the panel stops.

Confirm the panel is fully inserted into jamb by taking a measurement as shown, from the frame to the stile and rail joint at the top and bottom of the panel. It should measure 2-1/16" when the fixed panel is completely inserted into the fixed frame jamb.



Slide panel into fixed jamb.

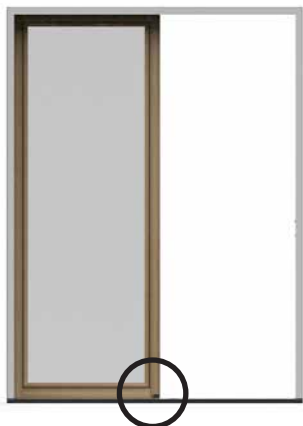


Measure to check if fully seated.

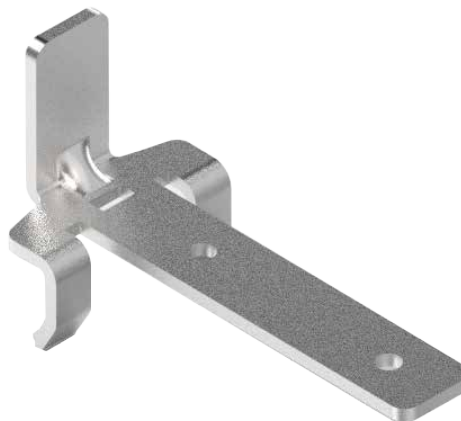
**Note:** After the panel is fully inserted into the jamb, remove the painter's tape applied to fixed panel in earlier step.

## 4 Fixed Panel Installation (continued):

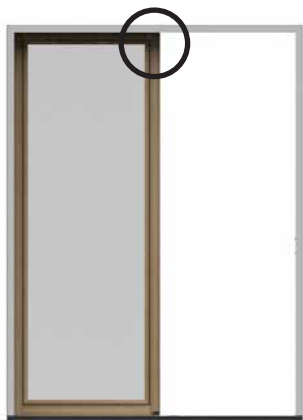
- M. **From the interior locate the bottom fixed bracket attached to the sill.** Drill a 1/8" pilot hole through the two holes in the bracket, about 1" deep. Attach this bracket to the wood face of the fixed panel using (2) #8 x 5/8" pan head screws through the two holes in the bracket.



- N. **Locate the top fixed bracket** in a bag along with two #8 x 5/8" Phillips pan head screws.



- O. **From the interior,** look at top corner of fixed panel at the head. Insert bracket at top of panel as shown.



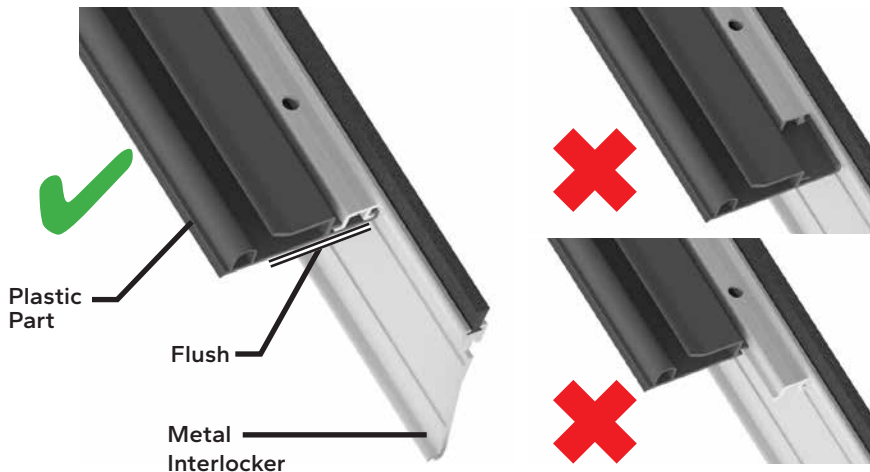
## 4 Fixed Panel Installation (continued):

- P. **Install (2) #8 x 5/8" pan head screws** into the two holes into the bracket.

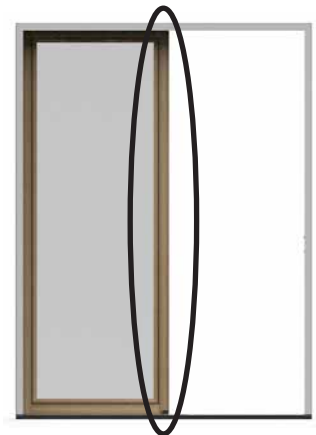


- Q. **Locate the fixed interlocker sub-assembly.**

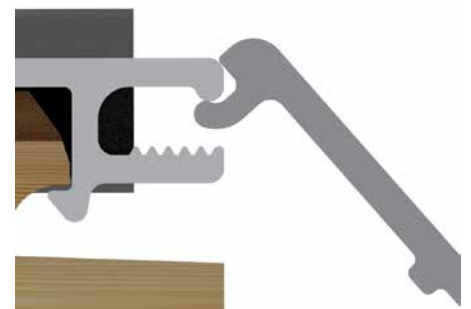
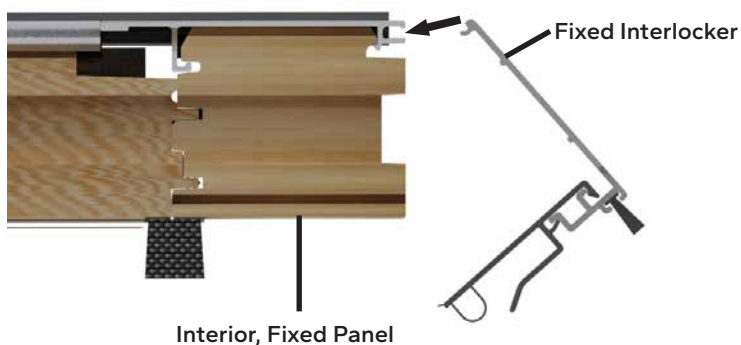
If the plastic part snapped on the metal interlocker is mislocated when unpackaged, it must be slid to the proper position. The plastic part must be flush to the end of the notch in the metal interlocker as shown.



- R. **From the interior**, the interlocker is positioned onto the exposed side of fixed panel.

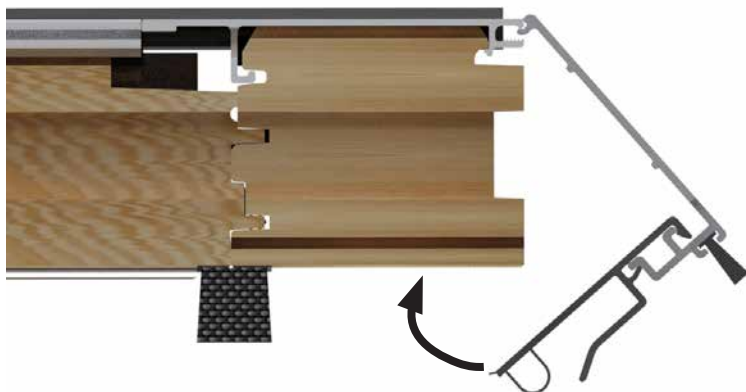


- S. **Position the interlocker sub-assembly in place.** Starting at an angle, hook the nose of the interlocker into the receptor of the cladding on the fixed panel. See the top-down view cross section of the interlocker interaction with the fixed panel which shows assembly intent.



## 4 Fixed Panel Installation (continued):

- T. Rotate interlocker sub assembly until it stops against the face of the panel.

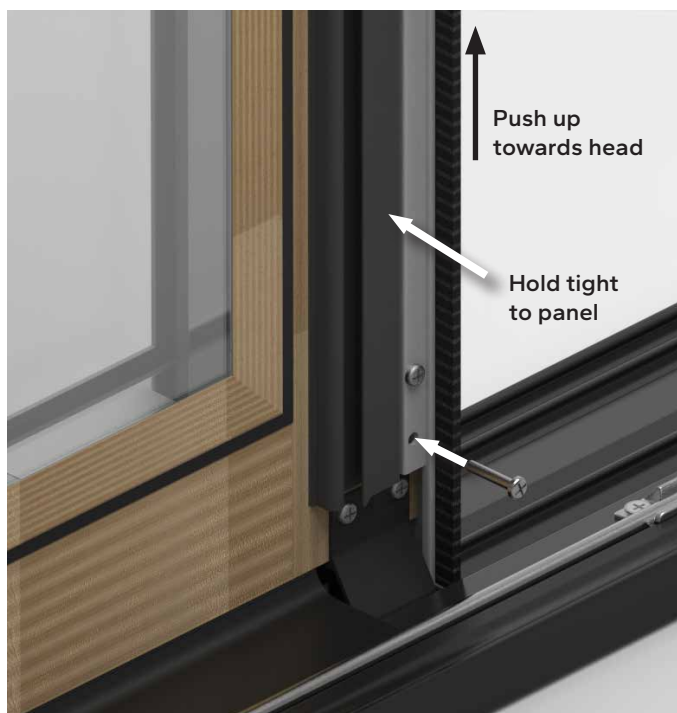


- U. Make sure the interlocker is pushed all the way up against the head of the frame. The interlocker will need to be held in place in this position until the first screw is installed to hold it.



- V. Install a #8 x 1" Pan Head screw into each available hole in the interlocker.

**Note:** Make sure interlocker is held in place against the fixed panel and pushed up towards head before driving screws.



Screws installed into interior face of panel.



## 4 Fixed Panel Installation (continued):

- W. **Locate Fixed Cap** and #8 x 5/8 Phillips Pan Head Type F screw saved in steps 4B-4C.

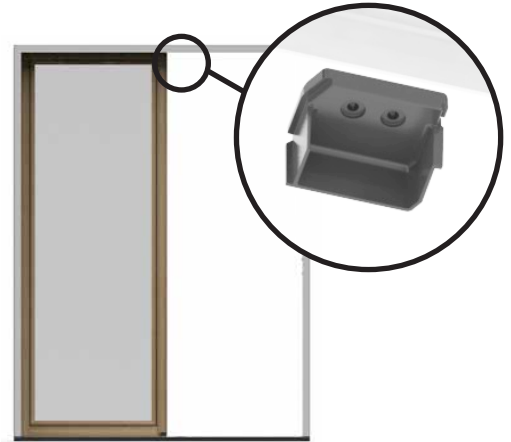


- X. **Install Fixed Cap** into location where previously removed.

**Position the fixed cap fully against the top of the head.**  
Grasp and twist the fixed cap 90 degrees until it locks into place.

**Make sure the vertical wall of the part is facing the side of the fixed panel.** If facing the wrong direction, remove the cap and start over by spinning the cap 180 degrees then rotate into place again.

**Alternate option;** if the same cap was slid over in the head in step 1C, slide the cap against the top of the head.



- Y. **Install a #8 x 5/8" Pan Head Type F screw** into hole closest to the exterior of unit, into the head.



- Z. **Position shim(s) between the frame and rough opening above the fixed cap** and then drill a 5/32" pilot hole through empty hole in the fixed cap. Pilot hole will go through frame and into rough opening.

**Install a #10 x 2-1/2" Phillips Pan Head screw** into the remaining hole.



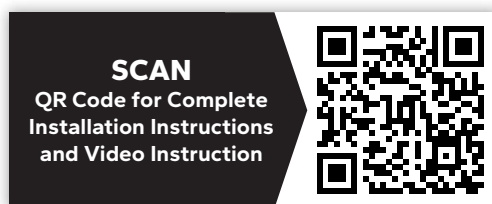
## 4 Fixed Panel Installation (continued):

AA. **Position shim(s) between the frame and rough opening above the vent lock strike** and then drill a 5/32" pilot hole through the empty screw hole in the vent lock strike. Pilot hole will go through frame, shims and into rough opening.

**Install a #10 x 2-1/2" Phillips Pan Head screw** into the remaining hole.

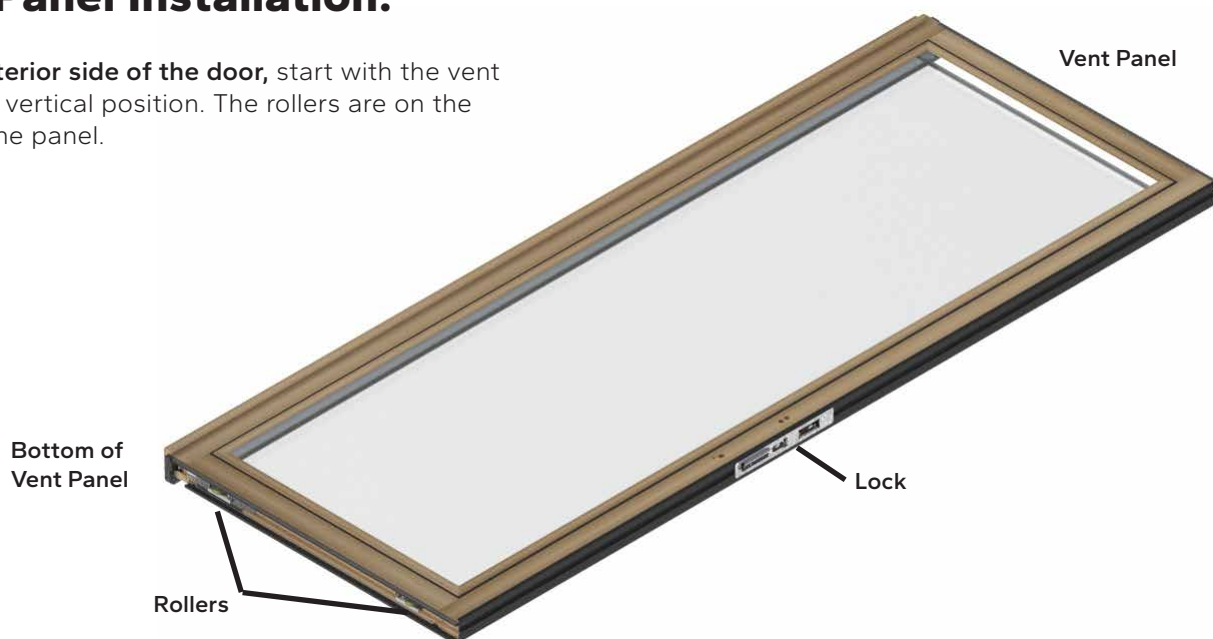


**Note:** Refer back to the anchor page of the installation instructions and complete installing the remaining head fasteners as described.



# 5 Vent Panel Installation:

- A. **From the interior side of the door**, start with the vent panel in the vertical position. The rollers are on the bottom of the panel.



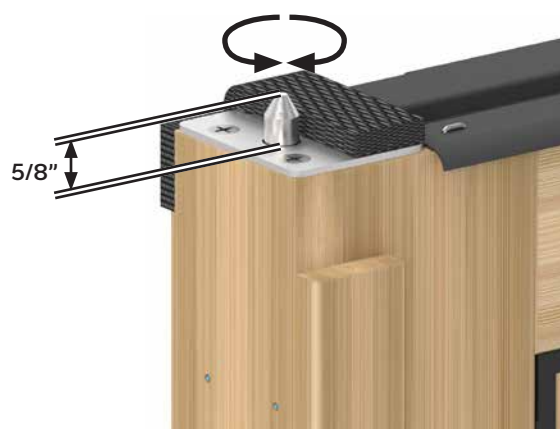
- B. **Before installing vent panel in into the frame**, if a Vent Lock is included in the vent panel, check dimension of how far the bolt tip extends out from the top of the panel and if needed, adjust as noted.

Flip the handle of the Vent Lock so the bolt tip is protruding above the top of the panel.



- C. **Confirm the bolt tip is 5/8" above the top** of the panel as shown. If not, screw the tip until it's raised 5/8" .

**Vent Lock Adjustment:** turn the bolt **clockwise** to lower the bolt more into the panel and **counterclockwise** to raise the bolt.

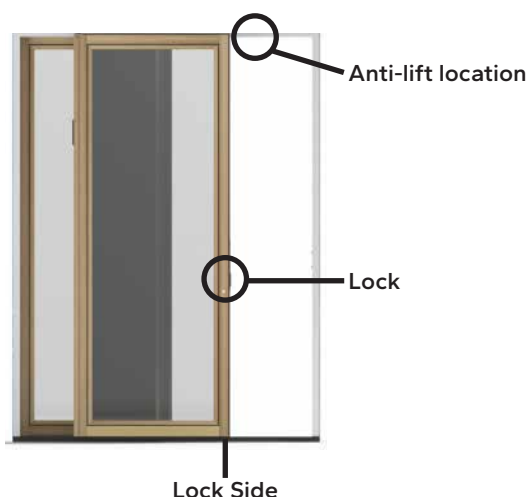


## 5 Vent Panel Installation (continued):

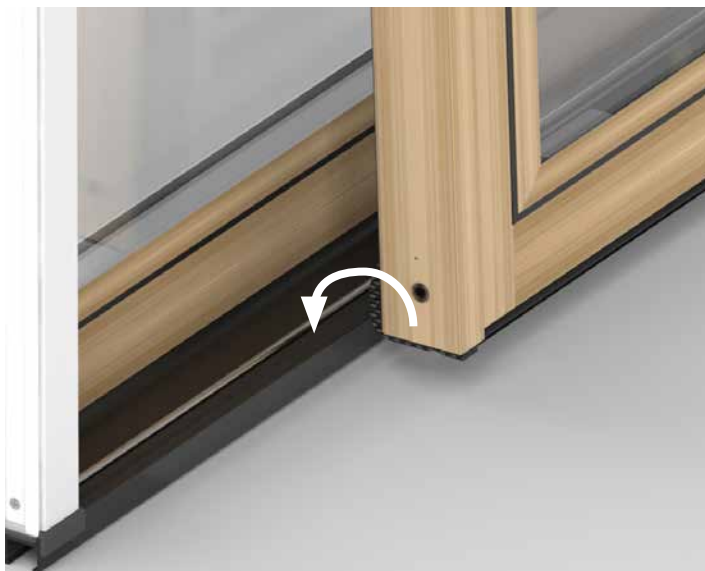


**NOTICE** Be sure to flip the Vent Lock handle before installing the vent panel so the bolt tip isn't visible above the vent panel.

- D. **Position the lock side of the panel** to where it clears the anti-lift plastic part in the head and lift into the head cavity. Use suction cups on glass if panel is too heavy to grip and hold by the edges.



- E. **With the vent panel fully pushed up into the head cavity**, lift the panel into the frame until the rollers in the bottom of the panel are above the track on the sill. Position the rollers on the roller track.



## 6 Panel Adjustment:

- A. **Slide the vent panel to within 1" of the lock jamb.**  
The reveal between the vent panel and lock jamb should be equal from top to bottom. If the reveal is not equal, start by adjusting the roller closest to the lock jamb. Turn the roller adjustment screw clockwise to lower or counterclockwise to raise the panel until the space is equal. If needed, adjust the other roller on the opposite side of the panel to help with adjustment.

**Note:** Do not adjust the panels up too much so as to cause the bulb air seal on the bottom of the panel to pull away from the sill. The bulb air seal on the bottom of the panel must always remain in contact with the sill.



## 7 Final Checklist:

- A. **Check sliding operation of vent panel to ensure it's smooth.**

If the panel is difficult to slide, lift the panel up and move the bottom in/out until the rollers engage the track. Or adjust the rollers as needed.

- B. **Install handles** per the provided instructions in handle package.
- C. **Install lock strike covers and #8 x 3" screws in lock strikes** per online Unit Installation Instructions.
- D. **Install optional Performance Upgrade kit** per included instructions in Performance Upgrade package.
- E. **Confirm all screws** which are to go through the frame into the rough opening are installed per the online Unit Installation Instructions.
- F. **If a Vent Lock is included**, check the operation and if needed, adjust.
- G. **Complete any remaining steps** in accordance with the applicable installation instruction booklet.