

Clad / Wood Sliding Patio Door 2-Panel

KNOCK DOWN ASSEMBLY INSTRUCTIONS

Contents:

Product Safety Information	Page 2
Parts/Tools	Page 3
Opening Preparation.....	Page 4
Frame Assembly	Page 5
Frame Installation.....	Page 9
Fixed Panel Installation	Page 9
Vent Panel Installation.....	Page 19
Final Checklist.....	Page 21

WARRANTY: For applicable product warranty and arbitration information, please see product website.

Please read entire instruction completely before beginning.



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.



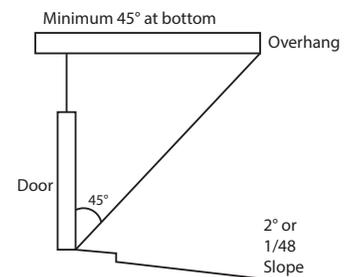
If there are any missing parts, product damage, wrong parts, or other issues...

NOTICE DO NOT assemble!

Contact your local sales representative or product 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.

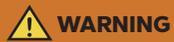


NOTE:

- 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.

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.



WARNING 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.



CAUTION 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 for more information.



NOTICE 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 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 window frame types. Installation instructions for use with other constructions methods or frame types may be obtained from the product website or your local product seller. 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. Additional preparation or anchoring may be required to comply with local building code requirements.

CARE AND MAINTENANCE: Refer to the Owner's Manual or contact your local retailer for more information.

CLEANING INSTRUCTIONS: Refer to the Owner's Manual for comprehensive maintenance and cleaning information. Contact 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.



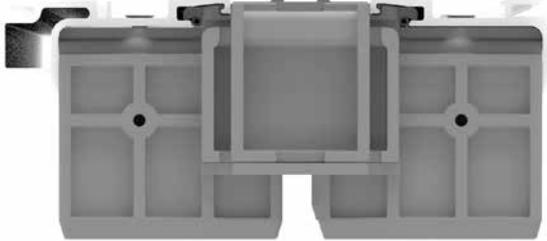
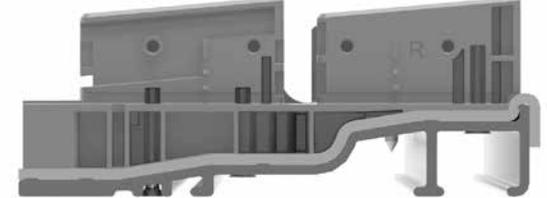
NOTICE The use of unapproved finishes, solvents or cleaning chemicals may cause adverse reactions with door materials. Manufacturer will not be responsible for problems caused by the use of unapproved materials. If in doubt, contact your local retailer or representative.

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
	Optional: Interior frame trim	(1) Head trim piece (2) Jamb trim pieces

Note: Quantities specified are required for installation; extra screws will be left over.

	Bag Contents	Description	Bag QTY
	#8 x 5/8" Phillips Pan Head (QTY 5)	Top and bottom fixed bracket to panel	(1) Type 3 OXO (2) Type 4 OXXO
	#8 x 5/8" Phillips Pan Head Type F (QTY 1)	Fixed cap	
	#8 x 3/4" Phillips Flat Head (QTY 12)	Frame corner assembly	
	#8 x 1" Phillips Flat Head (QTY 10)	Interlocker attachment	
	Top Fixed Bracket (QTY 1)	Fixed panel installation	
	#10 x 2-1/2" Phillips Self-Drilling Pan Head (QTY 7)	Frame Anchor screws, Fixed panel bracket (SEE ONLINE INSTRUCTIONS)	1
	#8 x 3" Phillips Flat Head (QTY 14)	Strike screws (SEE SEPARATE INSTRUCTIONS) Sill screws (SEE ONLINE INSTRUCTIONS)	
	Lock Strike Covers (QTY 2)	Strike attachment (SEE ONLINE INSTRUCTIONS)	
	Fin Corners (QTY 2)	Frame assembly	
	Installation Sealant (Gray)	Frame assembly / installation (SEE ONLINE INSTRUCTIONS)	1

1 Opening Preparation:

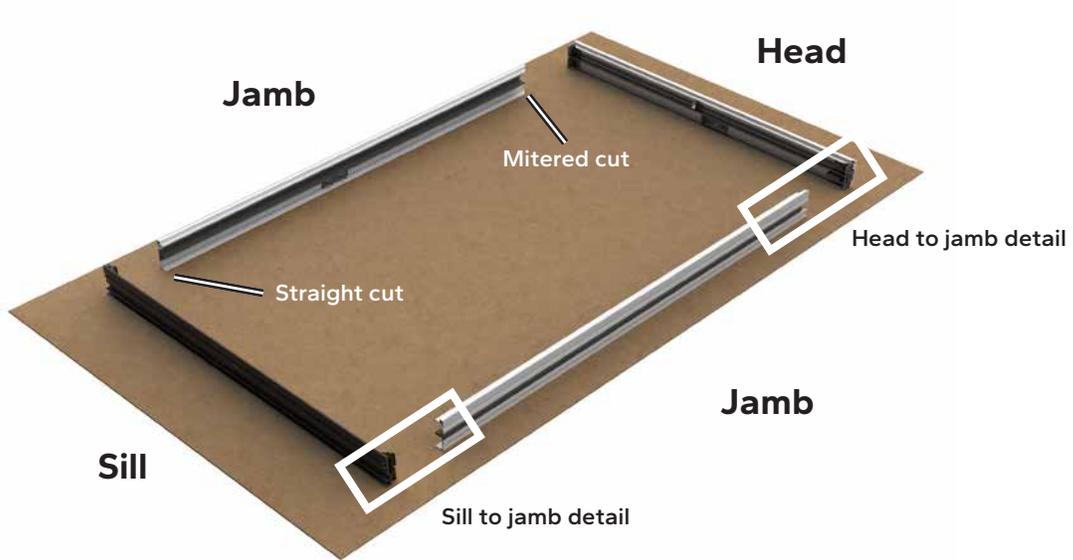


Refer to the product website for information and steps regarding checking and preparing openings for door installation.

Use your phone to scan the QR code on the sticker placed on the glass on the back of the unit.

2 Frame Assembly:

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



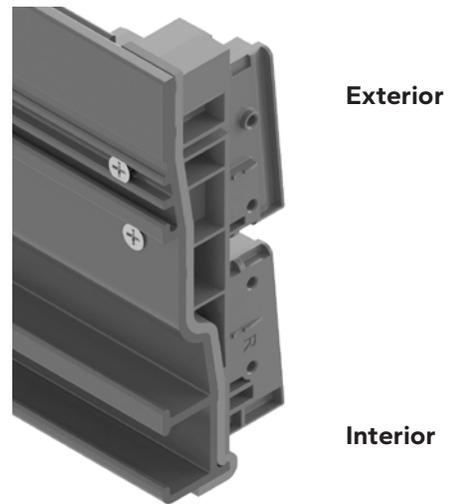
Orientation checks:

Jams 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 jams.



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.



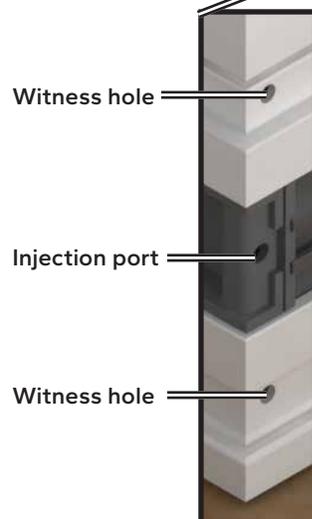
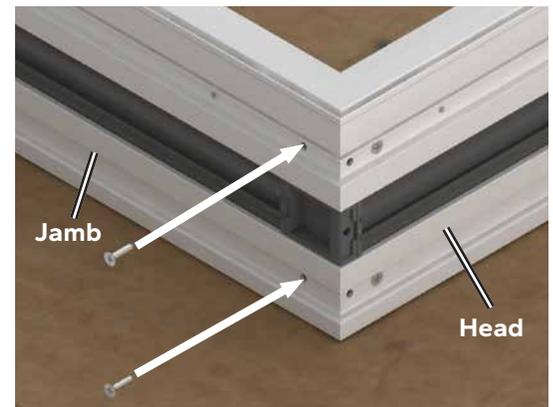
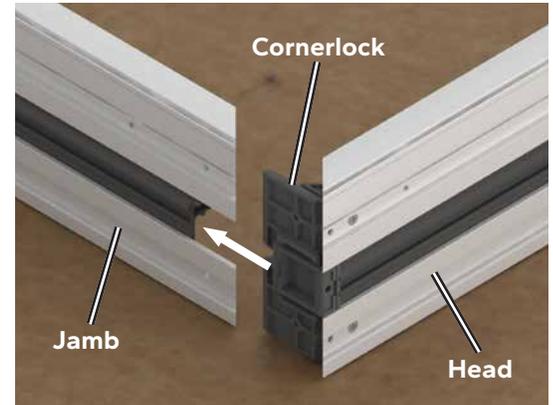
Repeat 2C-2E on the other head to jamb corner.

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**.

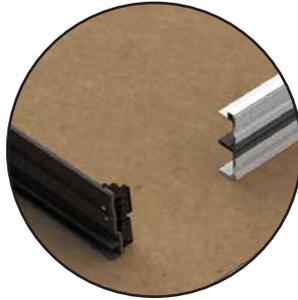
When sealant is observed at both head **witness hole** locations, stop sealant application.

Repeat injection on the other head to jamb corner.



2 Frame Assembly (continued):

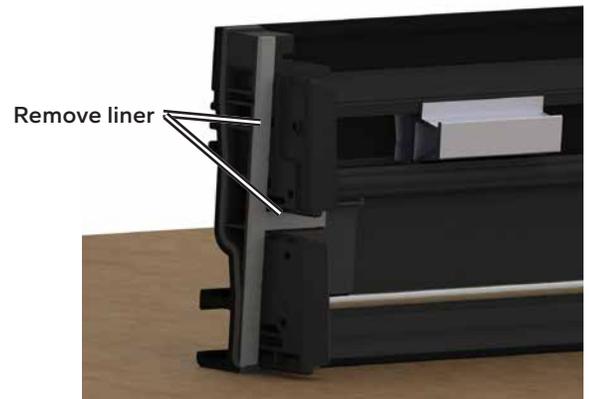
- G. Connect the sill to the jambs.



Sill to jamb detail

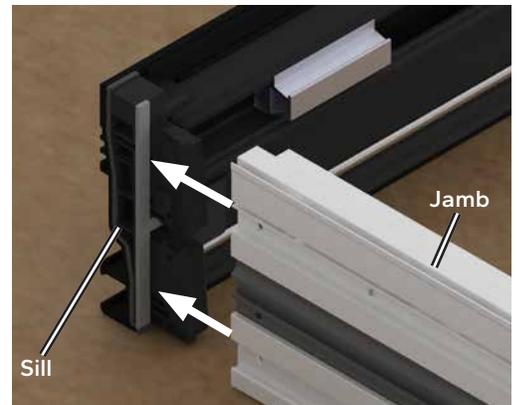
- H. On **Sill sub-assembly**, remove the release liner from the two gray butyl pieces on the sill.

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



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

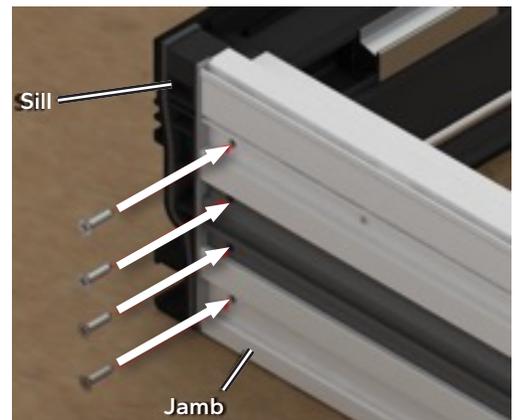
If needed, use a rubber mallet to seat the sill fully into the jamb.



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



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



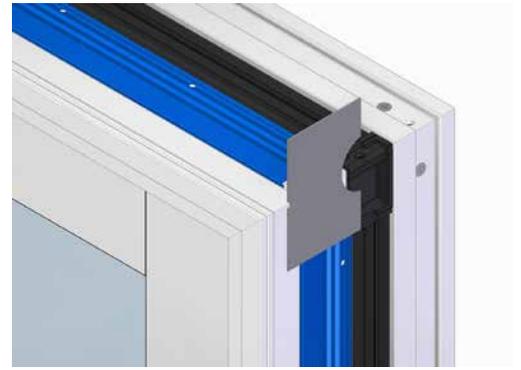
2 Frame Assembly (continued):

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.

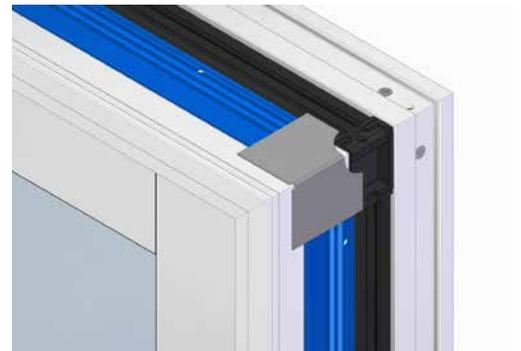


- L. **Align the front edge of the fin corner in the middle of the frame cladding** so that it is adhered to both the cladding and the blue fin. Align the front locating notch with the corner of the frame.



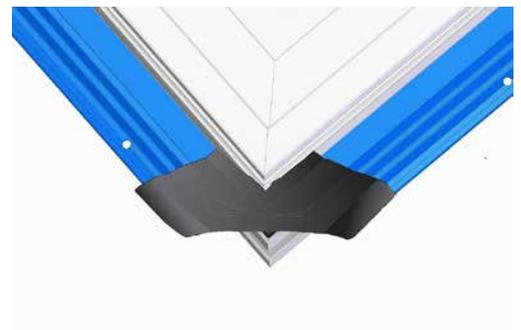
- M. **Fold the fin corner over the corner** of the product and rub firmly over the entire surface to activate the adhesive and ensure a good seal.

- N. **Lift the installation fin just enough to fold under an 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.



Refer to the product website for information and steps regarding frame installation and integration with the buildings weather resistive barrier.



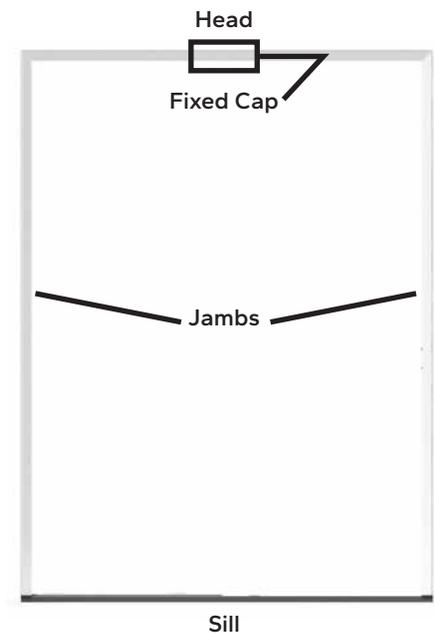
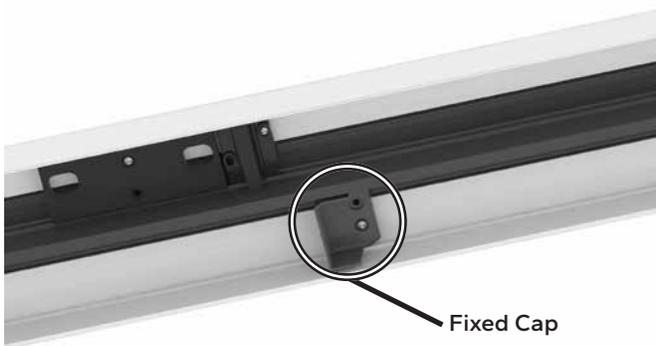
NOTICE Be sure to move the frame from the floor to the rough opening in unison with one person at each jamb as not to introduce twist and racking onto the unsupported frame.

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.

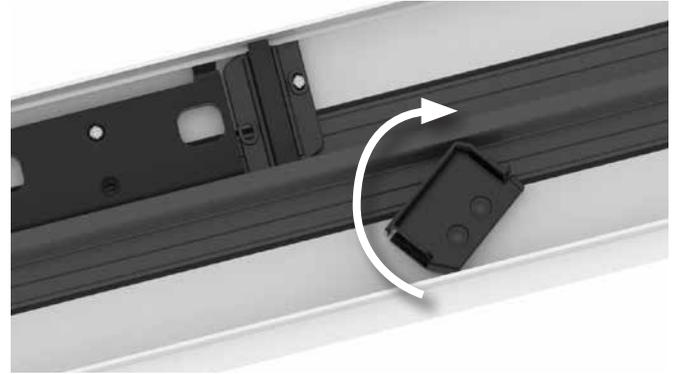


B. **Remove and save** the attachment screw.

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.

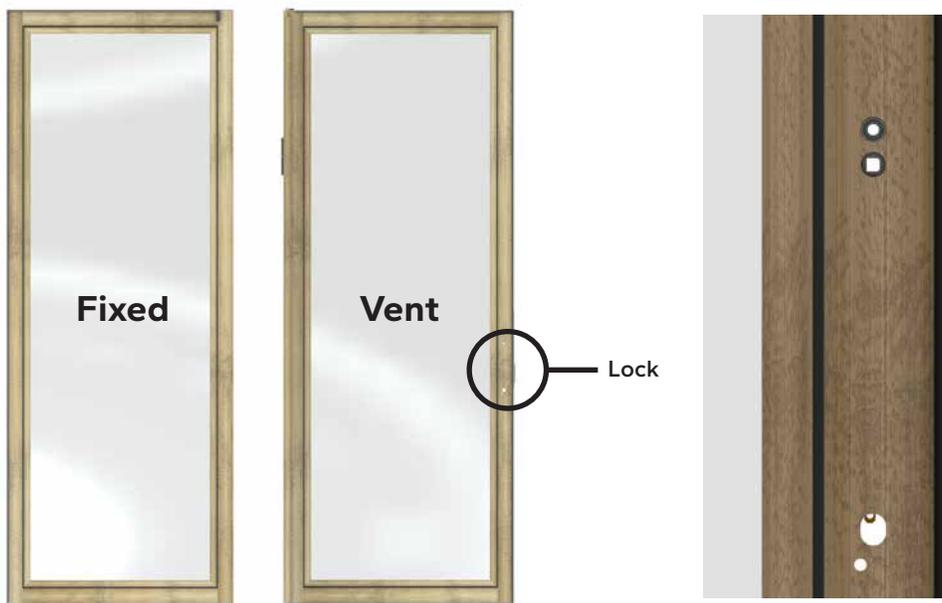
Alternate option; leave the fixed cap in the frame head and slide it toward the lock jamb.



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.



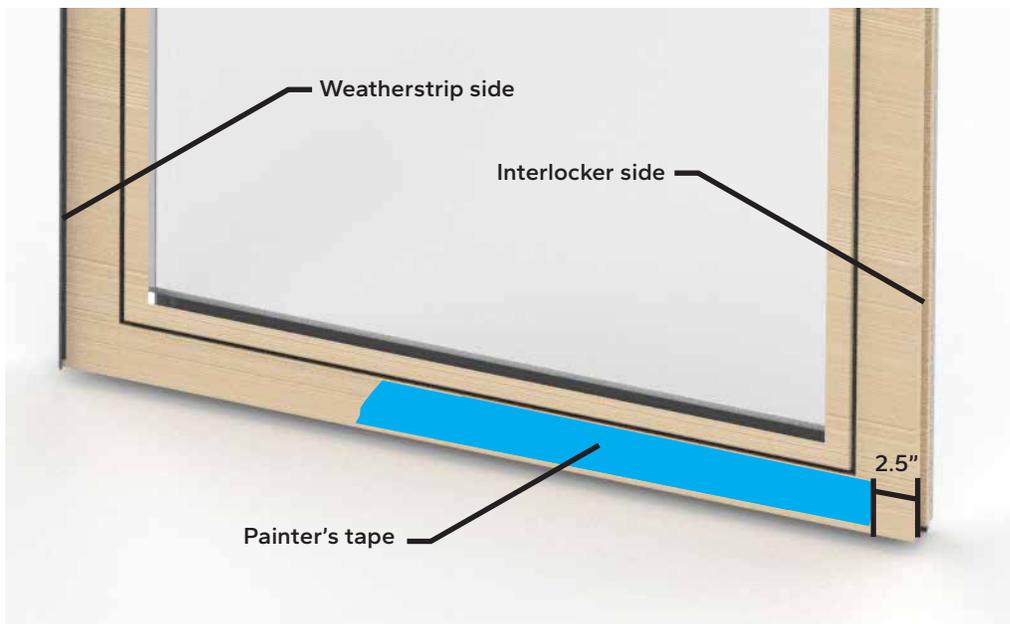
4 Fixed Panel Installation (continued):

- 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.

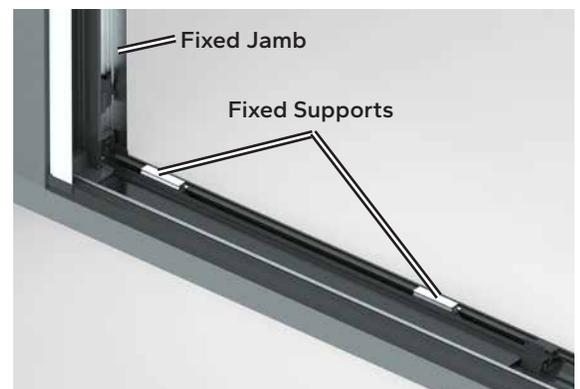


- E. Before placing panel into frame, use a 2" wide strip of painter's tape on the interior side of the fixed panel on the bottom rail. Tape should start 2-1/2" from the edge of the interlocker side of the panel (side opposite the stile with the black weatherstrip) and run just past the middle of the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

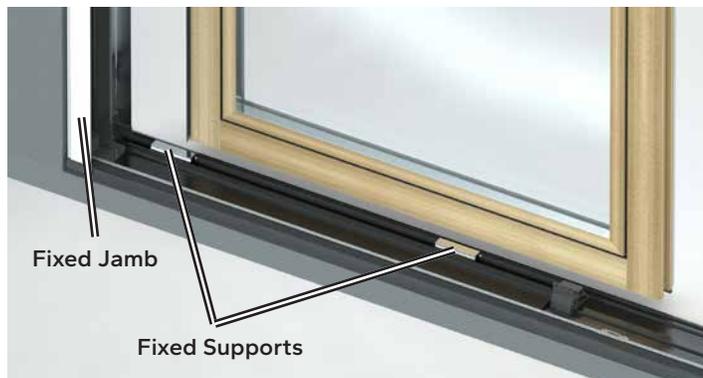


4 Fixed Panel Installation (continued):

- G. Starting on the interior side of the door, 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.

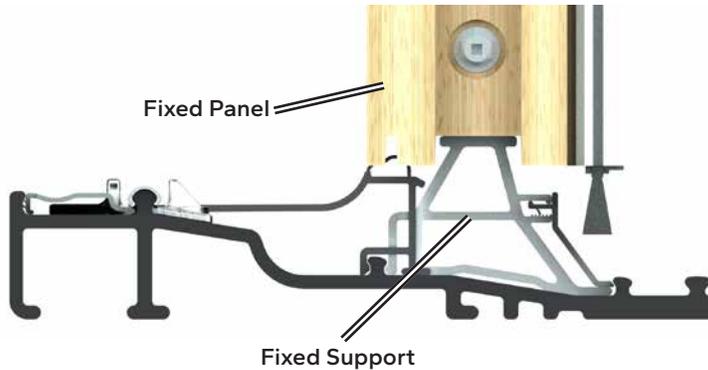


4 Fixed Panel Installation (continued):

- 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.

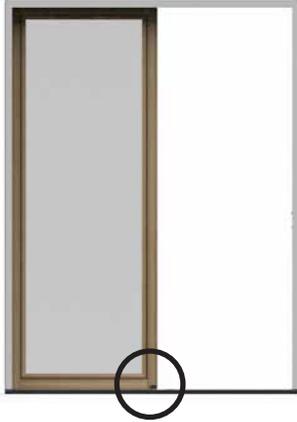


Measure to check if fully seated.

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.



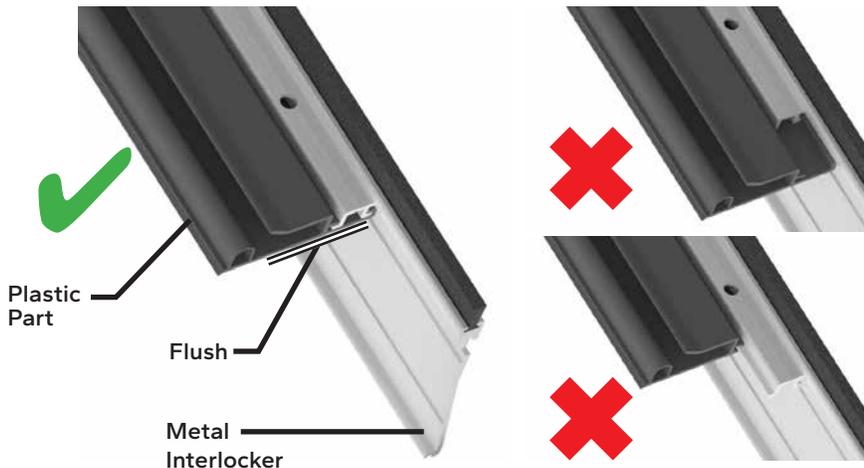
4 Fixed Panel Installation (continued):

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

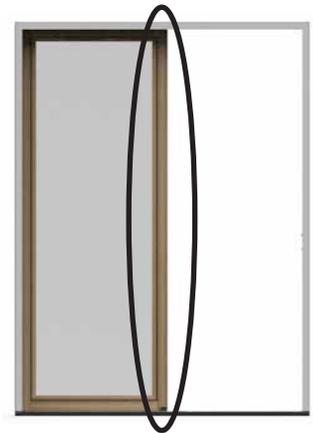


Q. **Locate the fixed interlocker sub-assembly.**

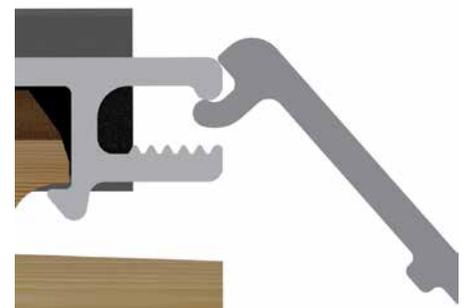
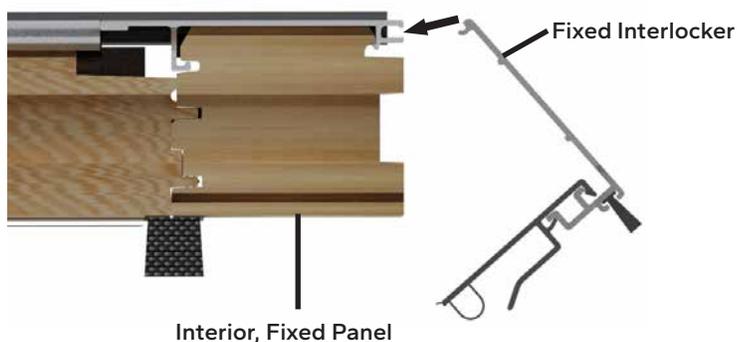
If the plastic part snapped on the metal interlocker is mislocated when unpackaged, it must be slid to the proper position. The plastic part must be flush to the end of the notch in the metal interlocker as shown.



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):

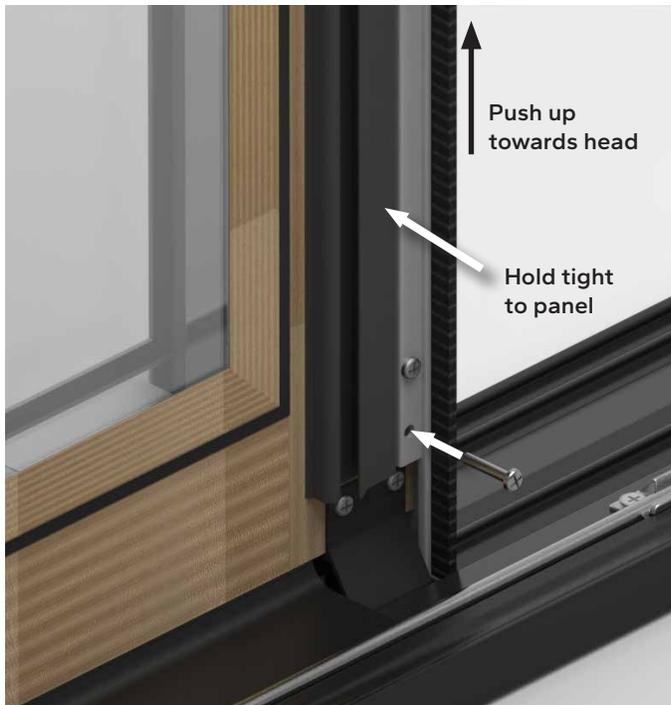
T. Rotate interlocker sub assembly until it stops against the face of the panel.



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" Flat 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.

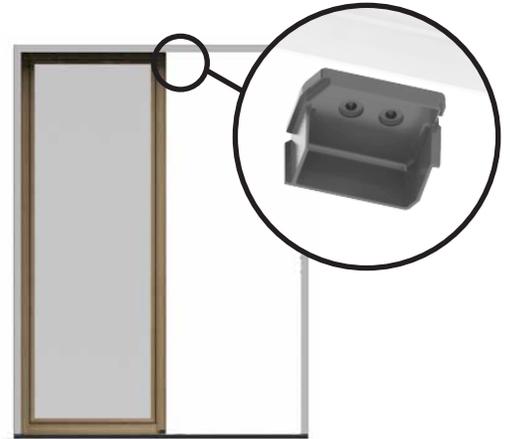


X. **Install Fixed Cap** into location where previously removed.

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.

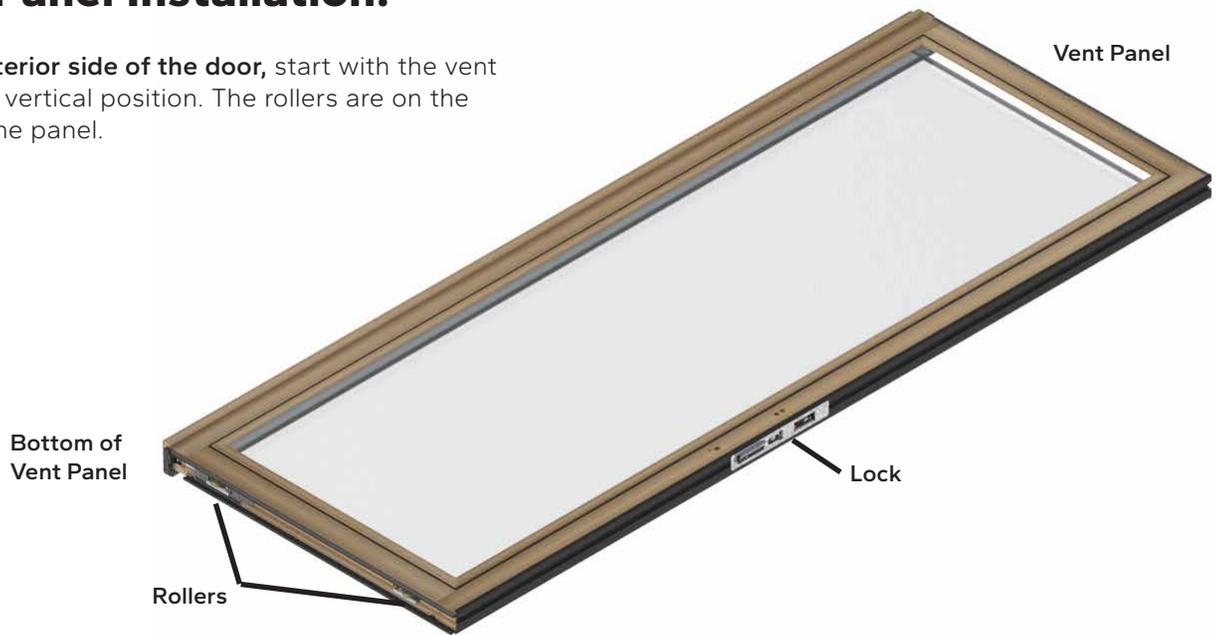


IMPORTANT NOTE:

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.

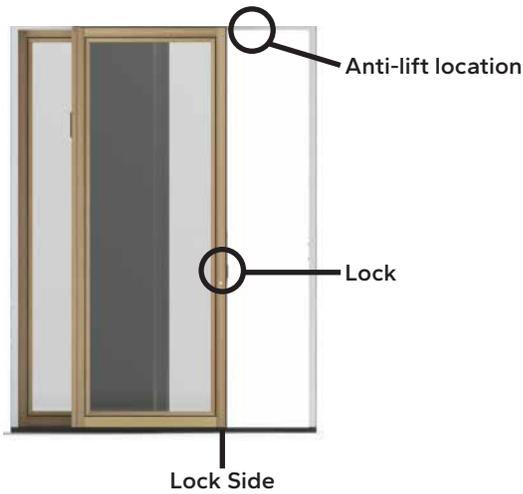


5 Vent Panel Installation (continued):

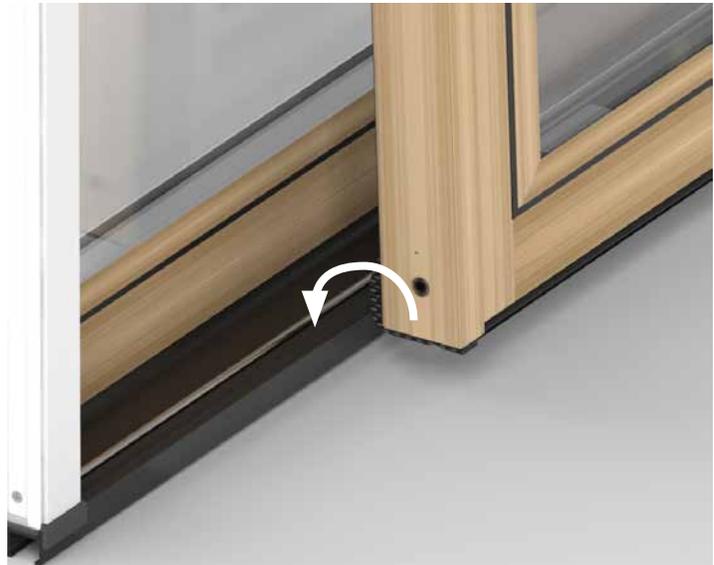


NOTICE Be sure to flip the Vent Lock handle before installing the vent panel so the bolt tip isn't visible above the vent panel.

- 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. **Install the optional interior trim** per the included instructions
- H. **Complete any remaining steps** in accordance with the applicable installation instruction booklet.