

# Ultimate Outswing Door G2 KD

## Installation Instruction

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**ABSTRACT:** This instruction will show how to install a KD \*(knock down) Outswing Door. This is relevant for product produced from June 2021 to present and applies to the following products:

- Ultimate Outswing G2 (UOFD G2)
- Ultimate Outswing 2 1/4" G2 (UOFD2.25 G2)
- Ultimate Outswing Door (UOD)
- Ultimate Outswing Door 2 1/4 IZ3 (UOD2.25 IZ3)
- Ultimate Outswing French Door 2 1/4 IZ3 (UOFD2.25 IZ3)

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## Hazard Notations

### **WARNING!**

Always practice safety! Wear the appropriate eye, ear, and hand protection, especially when working with power tools.

### **WARNING!**

This product can expose you to chemicals including methanol, which is known to the state of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### **WARNING!**

### **WARNING!**

**Do NOT lift or move without proper equipment.**

**Read, understand, and follow all lift equipment manufacturers' instructions and safety information.**

### **WARNING!**

Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to [www.P65Warnings.ca.gov/wood](http://www.P65Warnings.ca.gov/wood).

### **WARNING!**

This product can expose you to chemicals including titanium oxide, which is known to the state of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Sill to Jamb Assembly

1. Align jamb sub assembly into sill key until fully seated. Once seated, use #8 x 1-1/2" pan head screw through the sill key into the jamb cladding. Use two #8 x 3" pan head screws to screw through the sill key into jamb wood. For performance sills, see [Figure 1](#) and [Figure 2](#). For Accessibility sill see [Figure 3](#).

**NOTE:** You may need a longer Philips bit to fully seat these screws. If a shorter bit is used, the screw may not fully seat and the screw could strip out.

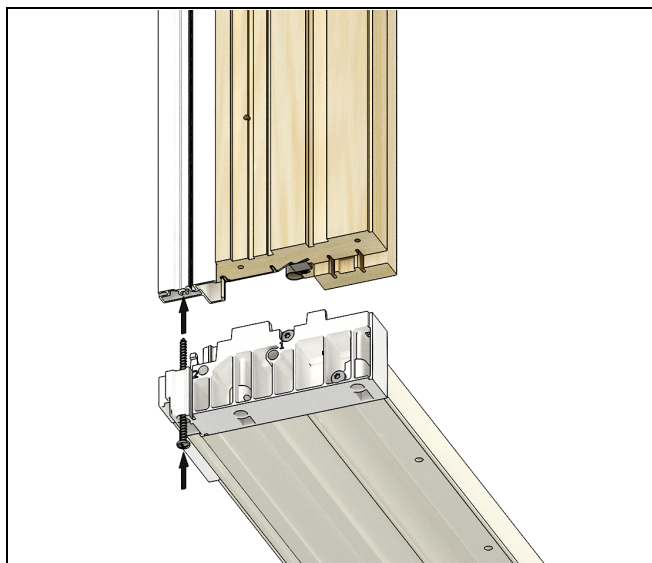


Figure 1 Performance sill

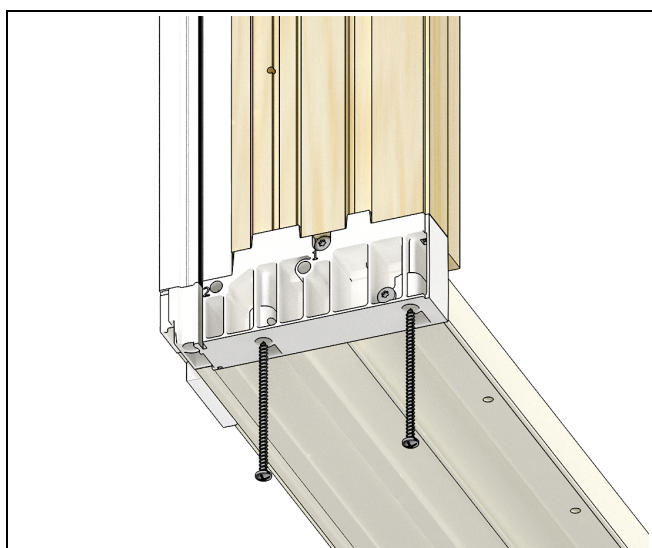


Figure 2 Performance sill

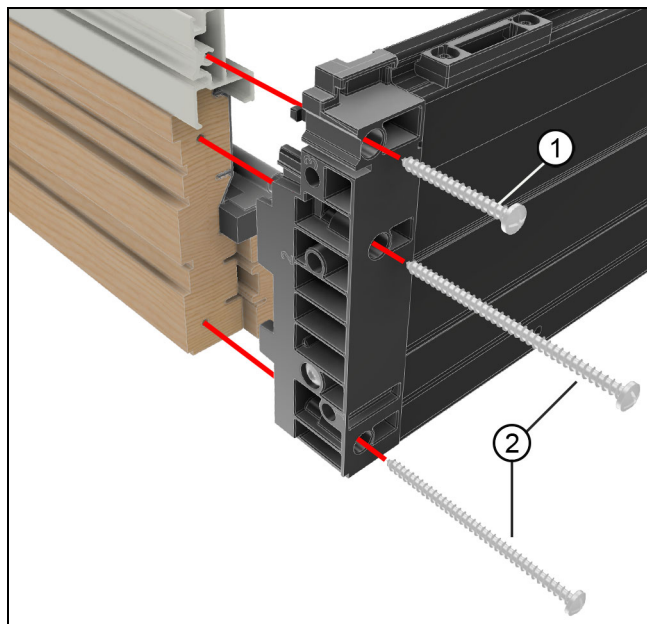


Figure 3 Accessibility sill

1	#8 x 1 1/2" pan head screw
2	#8 x 3" pan head screws

2. Repeat for the opposing jamb.

## ATTENTION

Take care when assembling the jamb to the sill to not roll or cut the sill gasket. See [Figure 4](#) (performance sill) and [Figure 5](#) (accessibility sill).

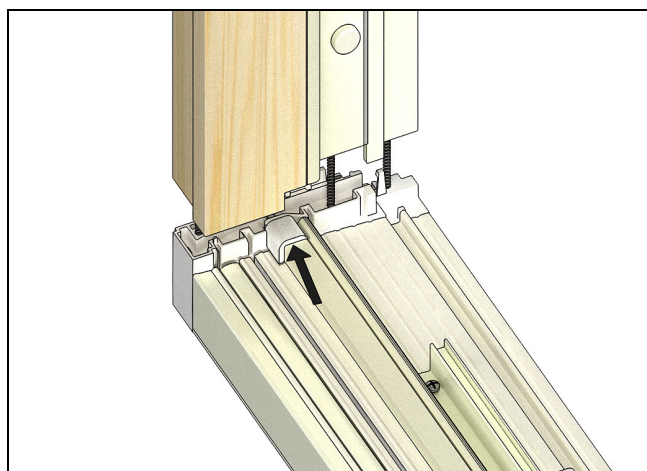
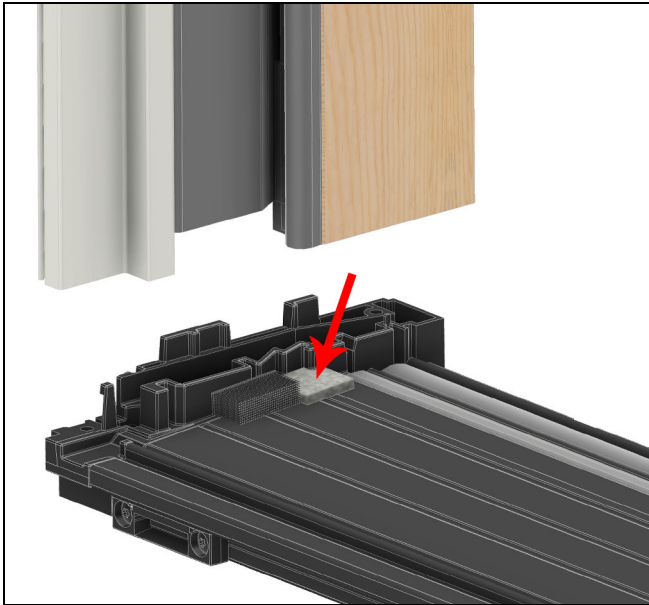


Figure 4 Performance sill



**Figure 5 Accessibility sill**



## Head Jamb to Jamb Assembly

1. Align both head jamb keys into the hollows of the jamb clad until fully seated. [See Figure 6.](#)



Figure 6

2. Use #7 x 2" screw through the outer-most hole of the head jamb cladding into the screw boss of the jamb cladding (the interior holes on each side are used for injection). [See Figure 7.](#)



Figure 7

3. Use two #7 x 2" screws to screw through the pre-drilled holes located on the side of the jamb wood into the header wood. Make sure you are pushing the head jamb wood down towards the jamb wood to fully seat it prior to screwing. [See Figure 8.](#)



Figure 8

### ATTENTION

Take care when assembling the jamb to the head jamb to not roll, or cut the sill gasket or crush the weather strip. [See Figure 9.](#)

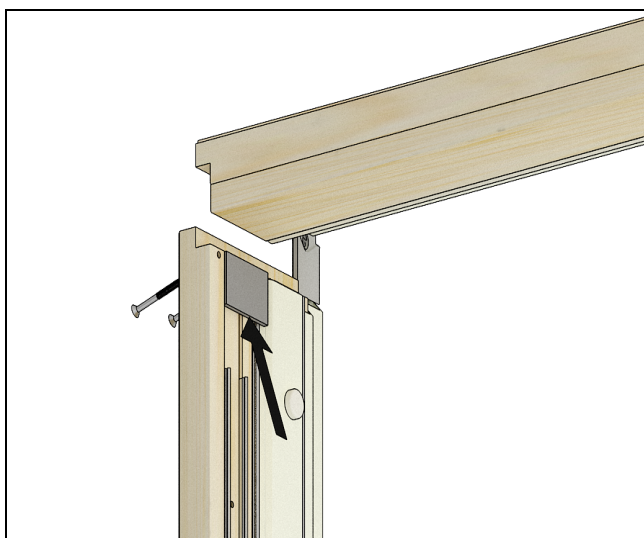


Figure 9

# Injecting the Unit

1. Locate the injection hole on the side of the sill key labeled “2”. Inject into the key until you see squeeze out in the inspection hole shown below. See Figure 10.

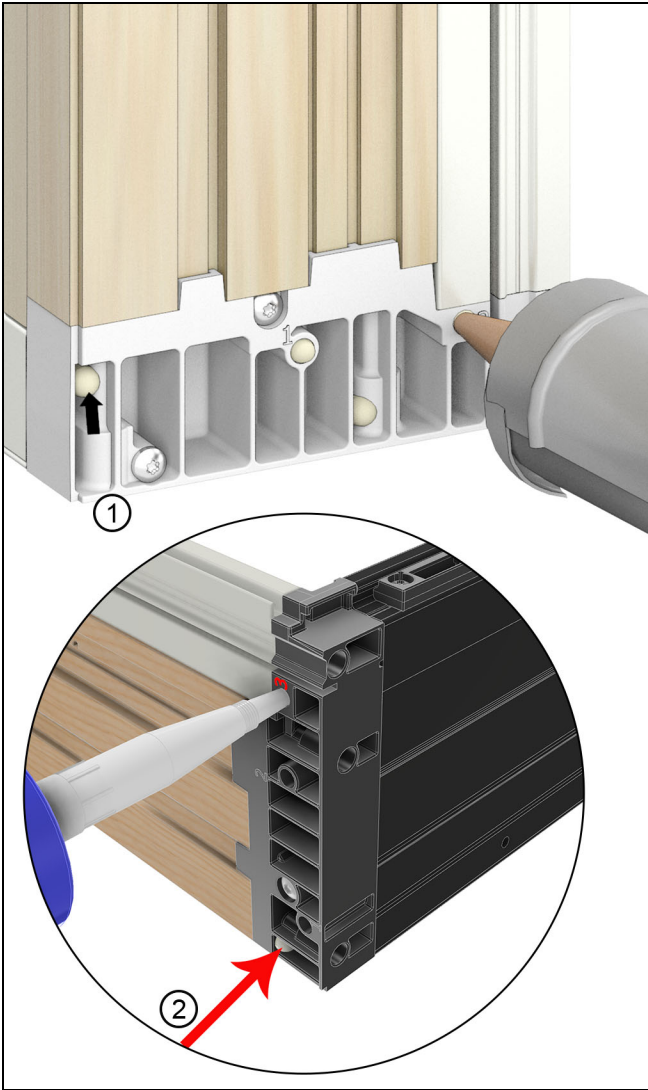


Figure 10

1	Performance sills
2	Accessibility sills

2. Use the remaining holes in the head jamb cladding to inject the keys. Inject until you see squeeze out in the image shown below. See Figure 11.

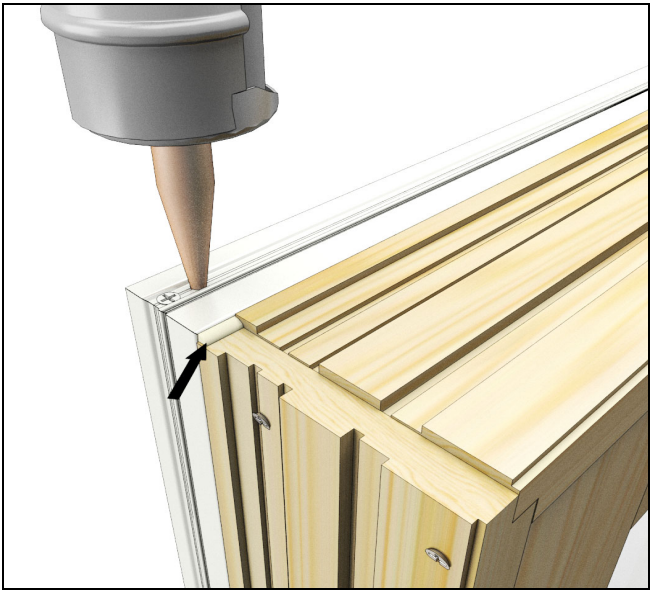


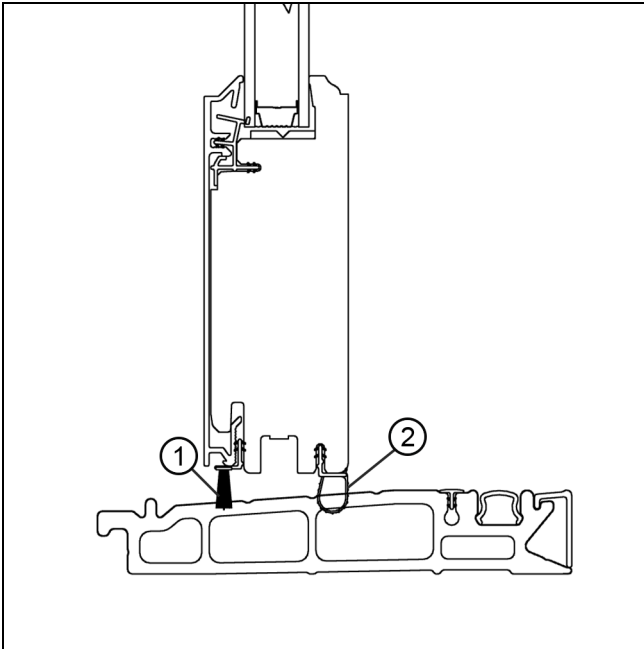
Figure 11

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## Sill Weather Strip on KD or Panels Shipped Separate

For doors with accessibility sills or doors sent with panels shipped separate, the sill weather strip will be shipped taped to the panel. The weather strip(s) run the full width of the panel.

1. On stationary panels, insert the barbed side of the bulb weatherstrip into the kerf on the interior side of the panel. On the exterior side of the panel, insert the barb on the pile weatherstrip into the kerf on the bottom of the panel. See [Figure 12](#).



**Figure 12**

1	Exterior pile weatherstrip
2	Interior bulb weatherstrip

## Panel Installation- Installing Stationary Panel

You will need to evaluate your panel configuration to determine which panel will be installed first into the newly assembled frame.

Stationary panels first, passive panels next and finally active panels.

1. If the stationary panel is attached to a jamb of the frame, insert the panel into the frame by lining up the groove in the bottom of the panel onto the structural brackets that are screwed down onto the sill. See [Figure 13](#).



Figure 13

2. Slide the panel over to the jamb until it contacts the spacer tacks. See [Figure 14](#).



Figure 14



Figure 15

3. Push panel in until it compresses the interior stop weather strip. .



4. Insert the top of the stationary bolt into the hole located in the head jamb. Push the bottom of the bolt until it is flush with the side of the panel. Use two #8 X 3" screws to secure the stationary bolt to the panel. See Figure 17.



Figure 16



Figure 17

5. Align and install stationary panel bracket with two #8 x 3" screws. See Figure 18.



Figure 18

6. If the stationary panel is not against a jamb of the frame, there will be four stationary bolts that will be installed. See Figure 19.



Figure 19

7. Locate pre-drilled installation holes on the exterior of the jamb. Use #8 X 3" screws to fasten the stationary panel through the jamb. See Figure 20.

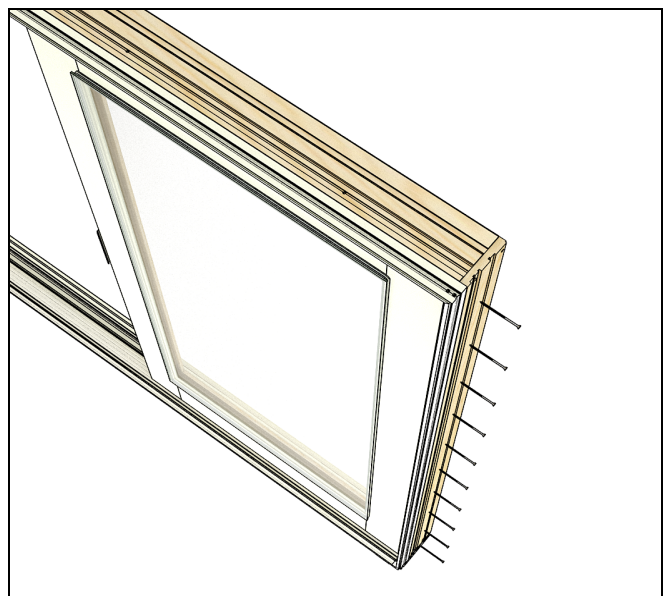


Figure 20

## Panel Installation-Stationary Panels (OO Configurations)

1. For doors with an OO panel configuration (such as OO, OOO, XOOX etc.) install the next stationary panel. install the second stationary panel. Tip the panel into the frame. [See Figure 21.](#)

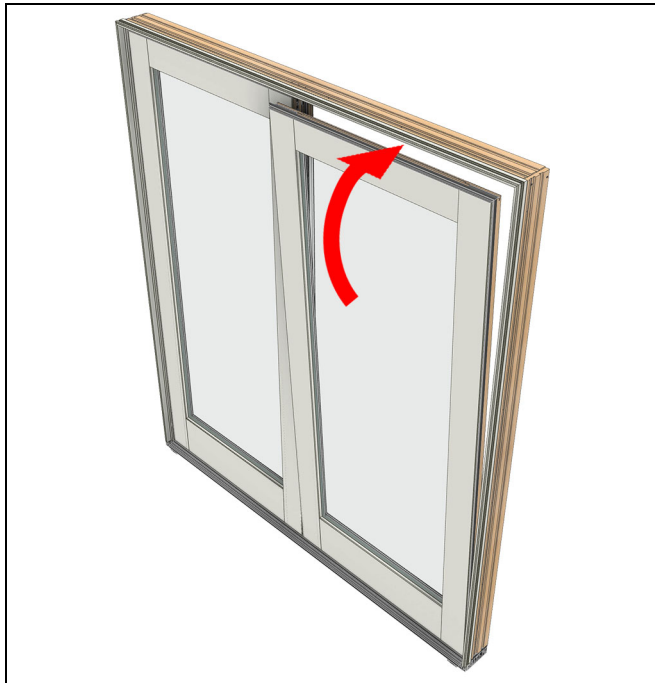


Figure 21

2. Use a speed square to set the panel in the frame at the correct depth. [See Figure 22.](#)



Figure 22

3. While holding the panel in place, drill into the panel with a 1/8" drill bit at the pre-drilled hole locations in the jamb. [See Figure 23.](#)

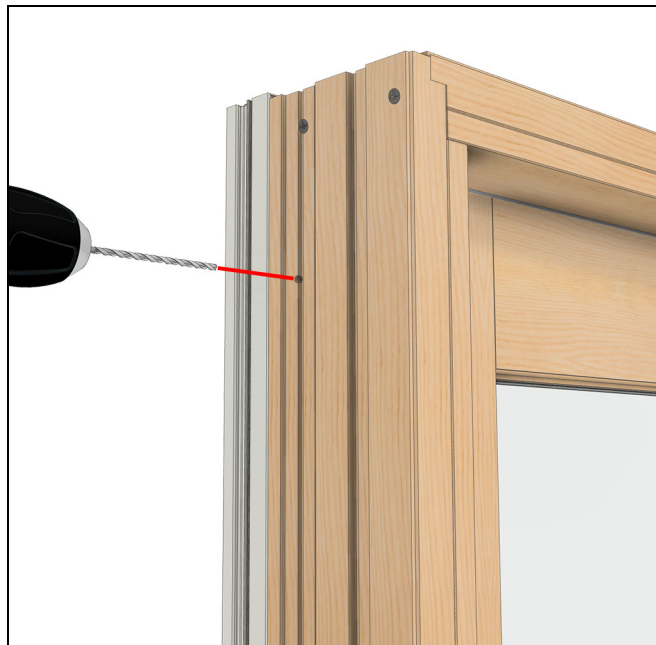


Figure 23

4. Fasten the panel in the frame with #8 x 3" screws provided. [See Figure 24.](#)

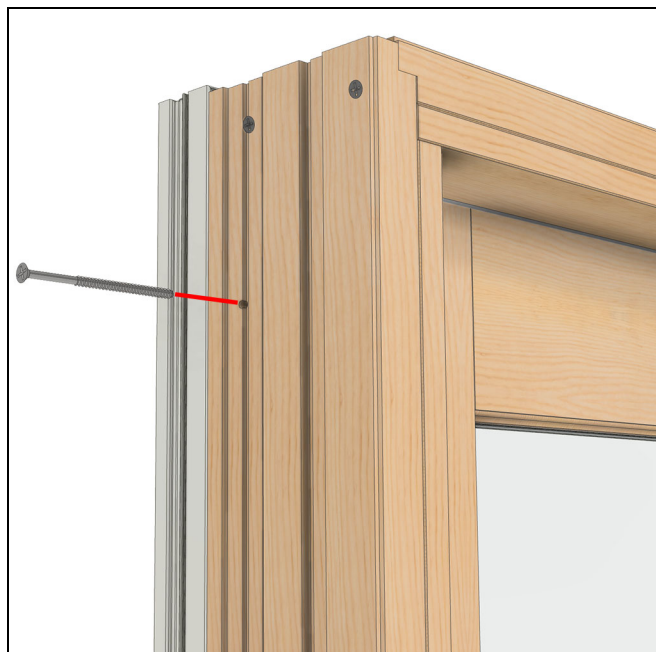


Figure 24

5. Use a speed square to set the top of the panel to the correct depth. [See Figure 25.](#)

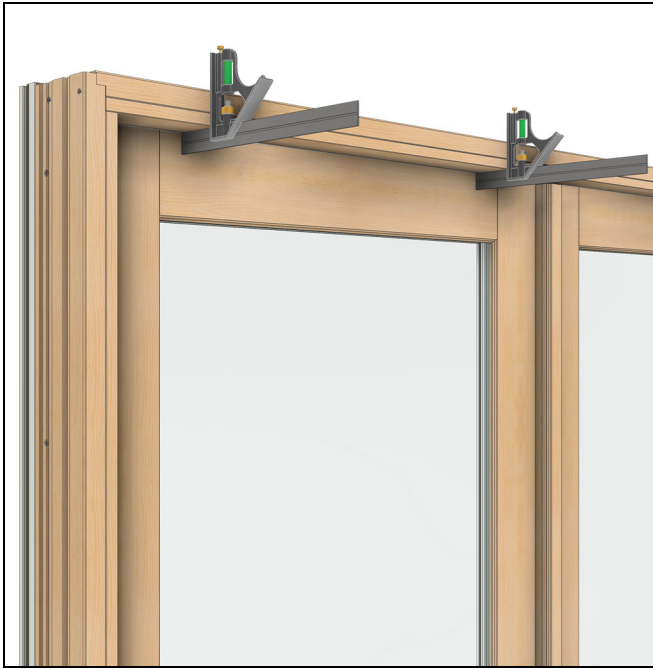


Figure 25

6. While holding the panel in place, pre-drill with a 1/8" drill bit. [See Figure 26.](#)

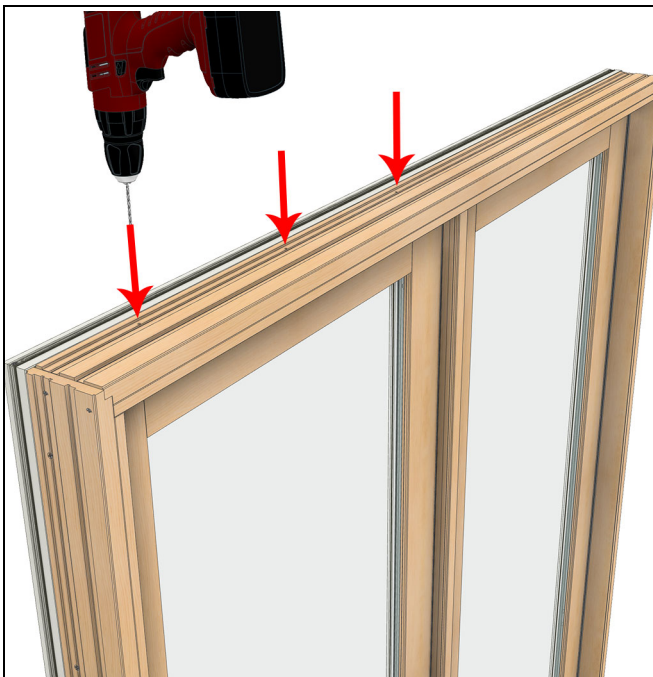


Figure 26

7. Fasten the panel in the frame with #8 x 3" screws provided. [See Figure 27.](#)

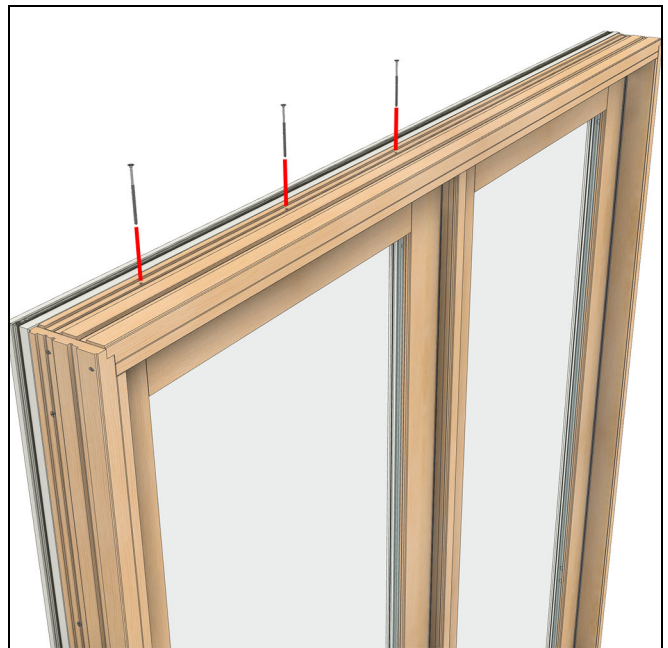


Figure 27



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## Panel Installation-Installing Operating Panel (Jamb Hinged)

You will need to evaluate your panel configuration to determine which panel will be installed first into the newly assembled frame.

Stationary panels first, passive panels next and finally active panels.

1. Insert jamb hinges into routs located on the panel. Use #8 X 1-1/2" screws to secure the hinge to the panel. See [Figure 28](#). Repeat for all hinges.

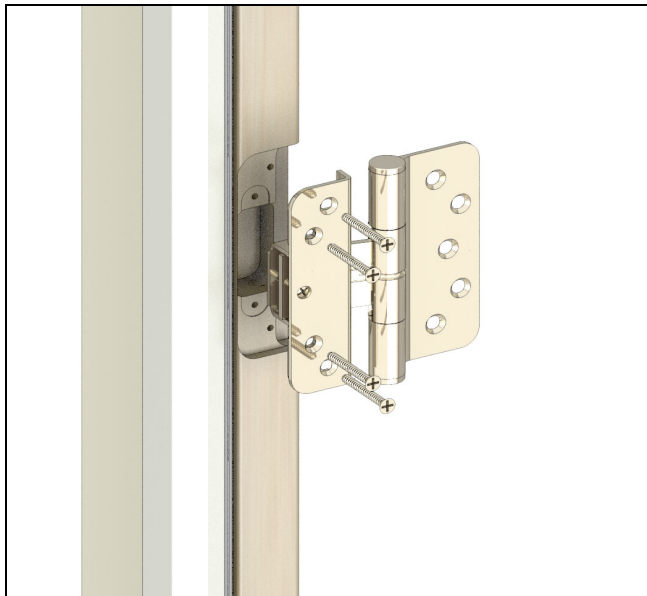


Figure 28

2. Close panel to ensure proper alignment with frame. See [Figure 29](#).

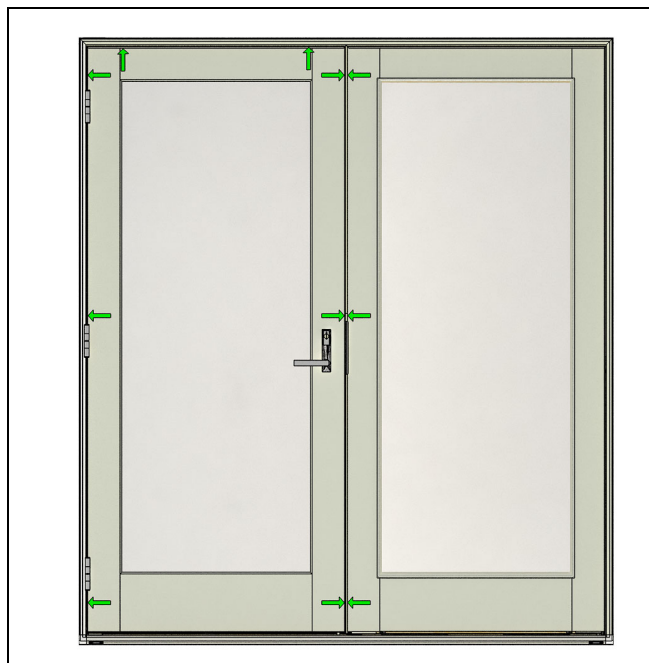


Figure 29

3. Fully lock your panel for installation. See [Figure 30](#).



Figure 30

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## Panel Installation-Installing Operating Panel (Panel Hinged)

You will need to evaluate your panel configuration to determine which panel will be installed first into the newly

assembled frame.



Stationary panels first, passive panels next and finally active panels.

1. Insert hinges into routs on stationary panel. Use #8 X 1" screws to secure the hinge to the panel. See [Figure 31](#). Repeat for all hinges.



Figure 31

2. Close panel to ensure proper alignment with frame. See [Figure 32](#).

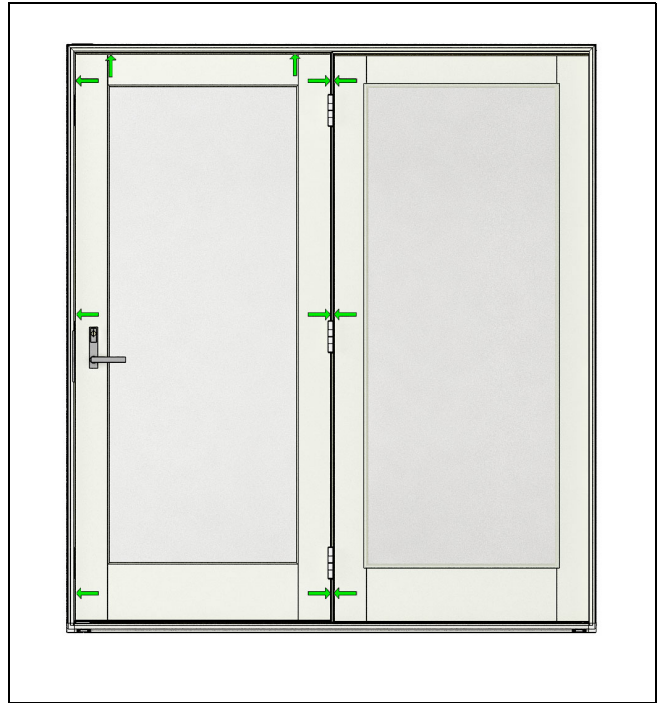


Figure 32

3. Fully lock your panel for installation. See [Figure 33](#).

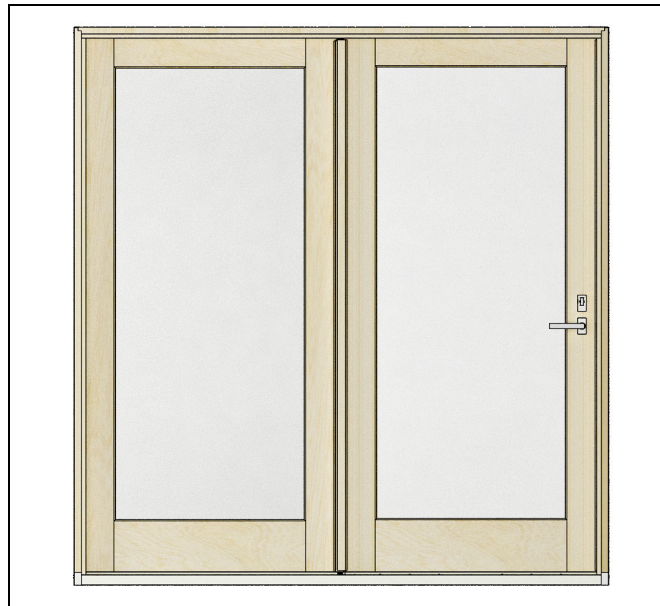


Figure 33