

# *Signature*

## SLIDING PATIO DOOR

### INSTALLATION INSTRUCTION MANUAL

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## SAFETY GUIDELINES

### **Do Not Work Alone**

Always use a team of at least two people when handling patio doors to prevent injury or damage.

### **Handle Glass with Care**

Broken or cracked glass poses a serious risk. Use caution at all times to avoid injury or property damage.

### **Wear Appropriate Personal Protective Equipment (PPE)**

Always wear gloves, safety glasses, and other necessary PPE. Avoid loose clothing, rings, or jewelry that could catch during installation.

### **Secure Tools When Working at Height**

Ensure all tools are properly secured when working on ladders or scaffolding.

### **Support the Door Until Fully Installed**

Keep the door securely supported throughout the installation process to maintain safety and prevent shifting.

## REQUIRED TOOLS

- Drop Cloth
- Utility Knife
- Tape Measure
- Rubber Hammer
- Level
- Phillips Head Screwdriver (#2 & #3)
- Flat Head Screwdriver
- Silicon Sealant
- Composite Shims
- Drill/Driver
- Foam Gun
- Minimal Expansion Foam

Note: Vytex  
recommends using  
OSI products

## PRE-INSTALLATION INSPECTION

1. Unpack the door **before** removing the existing one, and confirm you have all necessary components. Verify that the door received is correct and void of any damage or defects before proceeding.

### PARTS CHECKLIST

|                       |                              |
|-----------------------|------------------------------|
| Sill                  | Pocket Covers                |
| Head                  | Screen Door                  |
| Jamb (left & right)   | Handle                       |
| Moveable Door Panel   | Screw Pack                   |
| Fixed Door Panel      | Roller Adjustment Hole Cover |
| Interlocks            | Panel stop                   |
| Interlock Screw Cover |                              |

### ADDITIONAL PARTS FOR 3-LITE DOOR

|                             |                             |
|-----------------------------|-----------------------------|
| Fixed Door Panel (2 total)  | Interior Mullion (Astragal) |
| Exterior Mullion (Astragal) | Pocket Cover (2 total)      |

## INSTALLATION PREPARATION

1. Carefully remove the existing door, ensuring the frame and surrounding structure remain intact.
2. Clean and inspect the area thoroughly. Address any damage or rot before proceeding.
3. Verify the rough opening is square, level, plumb, and true. If necessary, prepare the opening by installing shims along the sill to ensure the door is level when set.



# INSTALLATION

## 1. Master Frame Assembly

**a.** Clean the ends of the head, jambs, sill, and any areas where sealant will make contact using denatured alcohol.

**b. Check jamb orientation:**

The jambs are right- and left-handed. The angled cut should be positioned at the sill, with the long point facing the exterior. See figure 1.

**c. Prepare gaskets:**

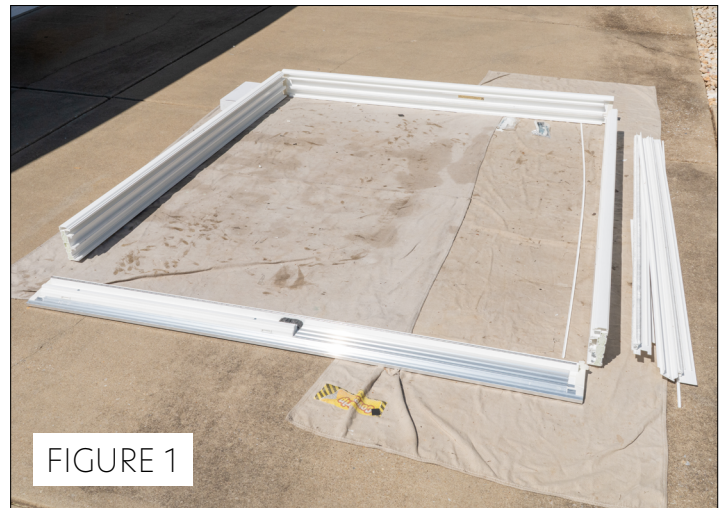
Each jamb includes a sealing gasket at the end. Vytex recommends applying sealant across the gasket face before frame assembly. See figure 2.

**d. Assemble the frame:**

Join the frame components using the (20) #10 x 2.25" screws provided. Do not use drywall screws. See figure 3.

**FOR 3-LITE DOORS:** Attach the interior mullion post using (9) #10 x 2.25" screws.

**e.** Make sure all screws are tightened securely, but do not over-tighten to the point of deforming the vinyl.



# INSTALLATION

## 2. Master Frame Installation

### a. Apply sealant:

Apply a continuous bead of sealant along the sill where the door will rest. Use three rows of sealant (3/8" diameter) across the full width of the opening, extending 6" up each jamb. See figure 4.

### b. Position the frame:

With a partner, place the master frame into the opening, ensuring it is centered and evenly spaced between the framing. Allow no more than 1/4" shim space at the sides and head of the door. See figure 5.

### c. Shim the frame:

Shim the frame from front to back and at both ends. The frame must remain plumb, level, and square at all times during shimming and installation. Composite shims are recommended; wood shims may be used if necessary. See figure 5.

### d. Verify alignment:

Use a string line, laser level, or conventional level to confirm that the head and sill are level and parallel, and that both jambs are plumb and parallel to each other.

**NOTE:** Before installing fasteners, verify that the frame is properly shimmed. The door will not operate correctly if this step is not completed.



FIGURE 4



FIGURE 5



# INSTALLATION

## e. Secure the jambs:

Install (3) #10 x 2.25" pan head installation screws into the fixed panel jamb pocket. Do not use drywall screws.

First screw: 3-6" below the head

Second screw: 3-6" above the sill

Third screw: centered in the jamb

Repeat the process on the latch side, placing (3) screws into the exterior jamb pocket.

**NOTE:** Always drive installation screws through the shims along the jambs to prevent warping or twisting.



## 3. Fixed Panel Installation

### a. Insert the panel:

Position the top of the fixed panel into the outer head pocket and set it onto the sill shim. Slide the panel fully into the frame pocket until it is flush with the end of the sill shim. See figure 7.

**NOTE:** Do not anchor the fixed panel to the frame at this time. Anchoring is completed only after the moveable panel has been installed and the locking operation has been verified as correct and smooth.



# INSTALLATION

## FOR 3-LITE DOORS:

Install the second fixed panel into the opposite side of the frame, following the same procedure as above.

- Ensure the wide stile of each panel is positioned into the frame pocket and that the drain holes face downward.
- Insert the exterior mullion, setting the head side first, and align the sill-side notches with the sill track.
- Use a soft mallet to gently tap the bottom into final position. See figure 8.
- Secure the mullion to the fixed panel with (3) #10 x 2.25" screws. Do not overtighten.
- Join the exterior mullion post to the interior mullion post with (5) #8 x 1.25" screws, evenly spaced.

## b. Install the interlock:

- With a rubber mallet and wood block, install the fixed panel interlock into the panel side, starting at the sill and working up to the head. See figure 8.



FIGURE 8

**NOTE:** The bottom of the interlock is angled to match the sill. Do not strike vinyl directly to avoid damage.

- Verify the interlock fits tightly at the head. If a gap exists, install supplemental weatherstripping to prevent air infiltration.
- Secure the interlock with (9) #6 x 1/2" pan head screws, placed in the center of the channel to avoid cover installation issues. See figure 9.
- Snap the provided screw cover into the interlock channel using hand pressure.

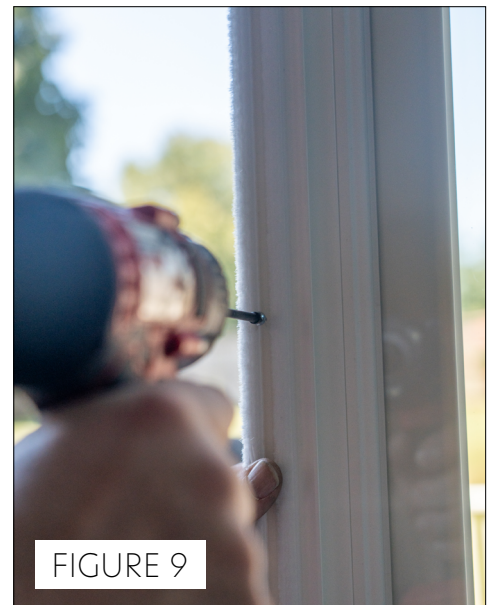


FIGURE 9



# INSTALLATION

## 4. Moveable Panel Installation

### a. Install the panel:

Insert the top of the movable panel into the head pocket, then lever the bottom onto the roller track. See figure 10.

### b. Install the interlock:

Attach the movable panel interlock in the same manner as the fixed panel.

**NOTE:** It is not necessary to anchor this interlock to the active panel. It is recommended to install the screw channel cover into the interlock before attaching it to the panel.

### c. Adjust the panel position:

Slide the panel toward the strike jamb, leaving enough space for a reveal. Locate the roller adjustment holes on the exterior of the panel. With assistance, tilt the panel to relieve weight from the rollers, adjust roller height with a Phillips head screwdriver, then return the weight to the rollers. See figure 11 to locate adjustment screw.

### d. Verify alignment:

Check the reveal between the panel and frame. Repeat the adjustment for both front and rear rollers until the panel is parallel to the jamb and the center keeper hook aligns with the center lock hole in the panel.

### e. Finish installation:

Install the roller adjustment hole covers. See figure 12.



FIGURE 10



FIGURE 11



FIGURE 12

# INSTALLATION

## 5. Handle Installation

### a. Attach the handles:

Secure the handles to the escutcheon plates, ensuring the curve of each handle faces away from the jamb and toward the center of the door.

### b. Install into the panel:

Insert the assembled handles into the panel. Make sure the interior handle's lock stem is in the vertical position before engaging it with the lock mechanism.

### c. Test operation:

Close the door and test the handle set. Confirm that the key cylinder (if equipped) and the interior thumb-turn operate smoothly, and that the full multi-point lock engages when actuated.



FIGURE 13

## 6. Pocket Cover Installation

### a. Install pocket covers:

Place all pocket covers into their designated locations, except for the head pocket cover. The head pocket cover must be installed only after the fixed panel has been anchored. See figure 14.

### b. Install panel stop:

Fit the panel stop into the head of the movable panel track. See figure 14.

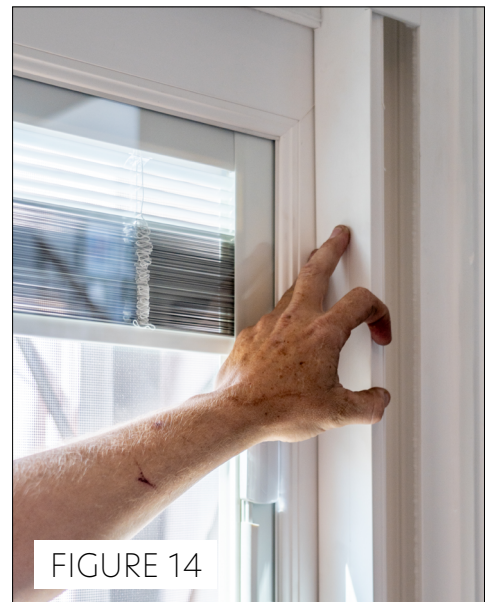


FIGURE 14



# INSTALLATION

## 7. Fixed Pane Anchoring

### a. Verify operation:

Operate the door several times to confirm smooth and consistent locking. Adjust the fixed panel position if needed to ensure proper lock function.

### b. Anchor the panel:

Install three screws through the wall of the pocket: one 6" from the sill, one 6" from the head, and one centered between them. See figure 15.



FIGURE 15

### c. Install the head pocket cover:

Fit the exterior head pocket cover in place. Trim length as needed to align with the final fixed panel position.

## 8. Screen Installation

### a. Prepare the screen:

Remove the keeper bag from the handle set.

### b. Install the screen:

Insert the top of the screen into the head of the frame, then lever the bottom onto the roller track. Slide the screen toward the latch side jamb until nearly closed.

### c. Adjust the rollers:

Using a Phillips head screwdriver, adjust the screen wheels until the screen is parallel to the jamb. See figure 16.



FIGURE 16

# INSTALLATION

## **d. Install the keeper:**

Confirm which direction the screen handle operates by compressing the lever either upward or downward. The hook for the keeper must be oriented so that the lock clears when engaged. Depending on door operation, you may need to remove and reorient the screen handle before securing. See figure 17.



## **9. Final Installation**

**a.** Apply minimal expanding foam into any gaps between the frame and the rough opening, as needed.

**NOTE:** Vytex recommends using only minimal expansion foam.

**b.** Install exterior flashing, interior trim, and caulking as necessary to prevent air and water infiltration.

# TROUBLESHOOTING

## **1. Internal Locking Mechanism & Keeper Bar Adjustment**

**NOTE:** The moveable panel must be fully closed in order for the locking mechanism to be activated.

### **a. Verify alignment:**

Check that the reveal between the movable panel and the strike jamb is even from top to bottom, and confirm the door is level and plumb. If not, review the Master Frame Installation section.

### **b. Remove the handle and test the lock:**

With the panel open, remove the handle. Depress the lock safety located on the side of the panel while using a flat head screwdriver to turn the lock actuator. Check for binding in the lock and in the top and bottom extensions.

### **c. Inspect and adjust lock extensions:**

If necessary, remove the lock extensions and ensure they are not bent. Reshape by hand if required so that the slides move freely without scraping. Reinstall the extensions and retest operation.



## TROUBLESHOOTING

### **d. Loosen retention screws if binding persists:**

If binding remains, slightly loosen the lock bar retention screws on the side of the movable panel with a Phillips screwdriver. Do not remove the screws—just release the tension.

### **e. Retest operation:**

Repeat step b to check if the problem has been corrected. If resolved, reinstall the handle. If not, continue to keeper bar adjustment.

### **f. Adjust the keeper bar:**

Align the keeper bar so the keeper hooks enter the center of the lock bar cutouts. Multiple adjustments may be required.

**NOTE:** Do not reinstall the handle until the lock operates smoothly when actuated manually.

### **g. Reinstall or replace:**

If the door locks correctly, reinstall the handle. If binding still exists, replace the internal locking mechanism.

## **2. Handle-Set Troubleshooting**

### **a. Remove the handle:**

Take the handle off the panel.

### **b. Adjust the crush washer:**

Locate the small black “crush” washer that secures the thumb-turn to the mortise plate. Use a flat head screwdriver to gently pry it upward and loosen.

### **c. Adjust the thumb-turn position (if needed):**

If loosening the washer does not solve the issue, insert a shim or similar material between the mortise plate and the thumb-turn. Using a flat head screwdriver, gently pry the thumb-turn toward the interior. This will straighten the thumb-turn pin and reduce drag during operation.

### **d. Adjust keyed handle (if applicable):**

For keyed handles, locate the draft pad on the inside face of the exterior mortise plate. Remove the foam pad and access the single screw securing the key cylinder. Loosen this screw slightly to relieve pressure on the cylinder body, allowing smoother key operation.



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