

Essential Sliding Patio Door

Supplemental Installation Instruction

ABSTRACT: These instructions are a supplement to the [Sliding Door Installation Instructions 19970227](#) included with the door which include steps for rough opening preparation, general installation, and flashing and sealing steps. These instructions include details on shipping block removal, additional fastening and installing bumper blocks. As always read all instructions in their ENTIRETY before installing the door.

You Will Need to Supply

- Tape measure
- Sealant
- Level or laser level
- #2 Phillips Screwdriver
- Safety Glasses
- Shims
- Drill
- Crescent wrench

Standard Parts Shipped

- Handle Set
- Thumb tack bumpers
- Stop Blocks
- Roller Adjustment cap
- #8 x 1 1/2" pan head screws
- #8 x 3" pan head screws
- (2) door stops (on 3-wide units only)
- Jamb blocks (6 for OX/XO or OOX/XOO) (4 for OXO)

Shipping Block Removal

1. Remove shipping blocks wedged between the panels and jambs. [See Figure 1.](#)



Figure 1

2. Remove the wing nut, bolt, and shipping block. [See Figure 2.](#)



Figure 2

NOTE: Numbers listed in parentheses () are metric equivalents in millimeters rounded to the nearest whole number.

NOTE: Units mulled to a transom have a 2" (51) screw instead of a wing nut and bolt. Remove and discard the screw on mulled transom units.

3. Open operator panel and remove shipping blocks found on both ends beneath the panel.



Figure 3



Figure 4

4. Remove the rubber bumpers from the two pre-installed jamb blocks on the operator jamb. See [Figure 5](#).

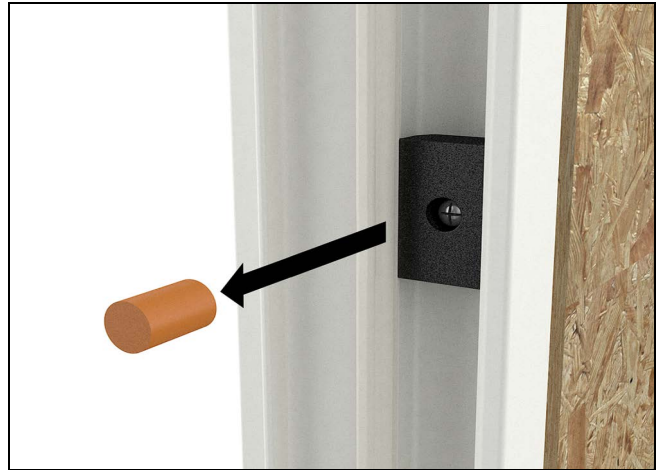


Figure 5 Remove shipping bumpers from the operator jamb blocks.

Additional Fastening

After the unit is square and plumb in the opening and the operating panel operates well, shim on either side and/or above the pre-drilled screw holes at the head jamb and jamb, being careful not to bow or twist the jamb/head jamb.

1. Shim and fasten with the #8 x 3" screws along the head jamb at pre-drilled screw holes vacated by the shipping block bolts and wing nut. See [Figure 6](#). Units mulled to a transom will not require additional fastening at the header.



Figure 6

NOTE: On OOX/XOO doors: additional holes are located approximately 4" (102) on both sides of the stationary panel spline.

2. Shim and fasten through the stationary panel head jamb bracket. Replace factory applied screw closest to the stationary panel with #8 x 3" installation screw provided. See [Figure 7](#).

NOTE: There are two brackets on OXO units.



Figure 7

3. Remove the screws from the 2 pre-installed blocks from the factory and replace with #8 x 3" screws. Place two additional jamb blocks in the operator jamba at pre-drilled screw locations. See [Figure 8](#) and [Figure 9](#). The stationary jamb does not require jamb blocks.

NOTE: 3-Panel OXO configurations do not require any additional jamb blocks in the operator jamb. Proceed to the next step.

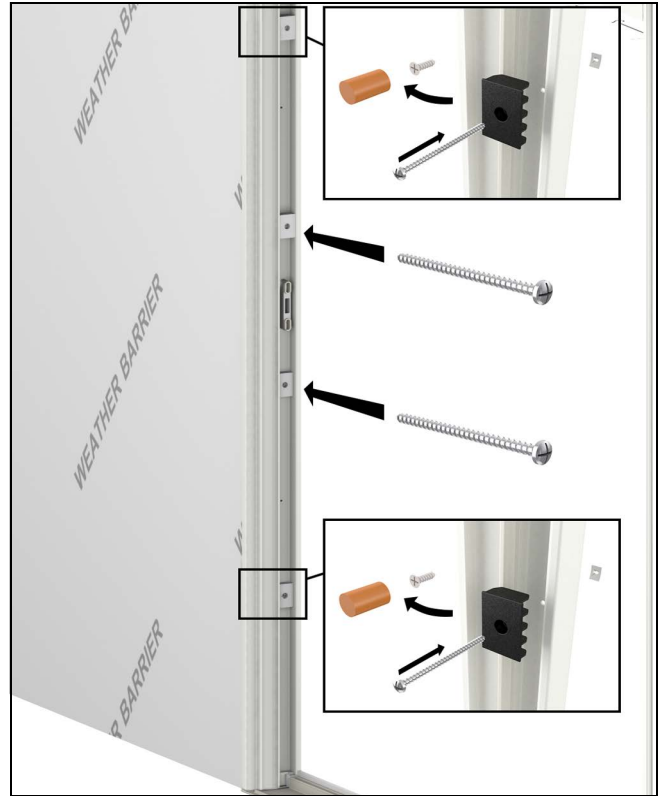


Figure 8



Figure 9

4. Apply a dab of silicone, then fasten through the sill at the leveling block end cap(s) with the #8 x 1 1/2" screw. (OXO doors have two end caps) See [Figure 10](#).

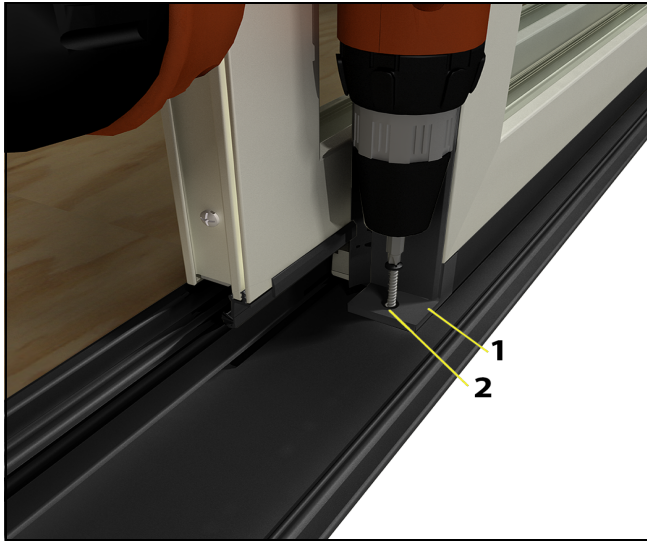


Figure 10 Apply silicone and fasten through end cap

1	Leveling block end cap.
2	Silicone.

NOTE: Refer to the installation instructions for technical specifications of hardware and sealants.

5. Place 4 jamb blocks in the head jamb at the locations outlined in table A. See [Figure 11](#). Secure with #8 x 5/8" pierce-point screws as shown in [Figure 12](#).

NOTE: Please refer to Table A for jamb block and panel extender placement information. For special sizes please refer to the next narrowest call number sizes.

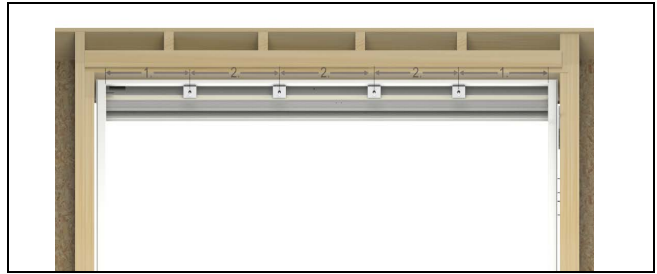


Figure 11

NOTE: For 3-panel doors 6-10 and under, place the jamb blocks only over the operator panel and the stationary panel past which the operator slides.



Figure 12

Table A

2 Panel Door	Panel Extender	Jamb Block
Width > 72"	*X	
Width ≤ 72"		**X
3 Panel Doors		
Height > 82"	*X	
Height ≤ 82"		**X
*PANEL EXTENDER APPLIED IN FACTORY		
**<CN 5-10: 12" FROM OPERATOR JAMB AND THEN EVERY 12" ACROSS HEAD JAMB		
**>CN 5-10: 14" FROM OPERATOR JAMB AND THEN EVERY 14" ACROSS HEAD JAMB		

Install the Keeper

Once the door is properly fastened to the opening and the door operates correctly, install and adjust the keeper as shown below.

1. Use the pre-drilled holes in the locking jamb to fasten the keeper to the jamb and rough opening. Shim and fasten with the installation screws provided. See [Figure 13](#).



Figure 13

2. To adjust the keeper, move the operator panel toward the locking jamb and move the lever on the lock so the mortise lock is engaged. Align the flat location of the latch with the top edge of the hole in the keeper. See [Figure 14](#).

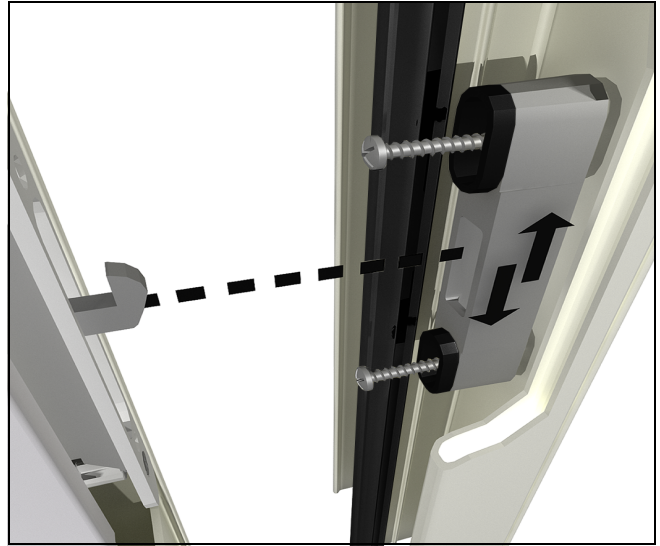


Figure 14

NOTE: OXO configurations use #8 x 1 1/4" keeper installation screws. XO/XO and XOO/OOX configurations use #8 x 3" keeper installation screws

Bumper Block Installation-OX/XO Configurations

1. Push the thumb tack bumper into the end of the bumper block. Remove the backing from the adhesive tape and adhere to the head jamb as shown in [Figure 15](#). The block should fit tightly against the corner key.

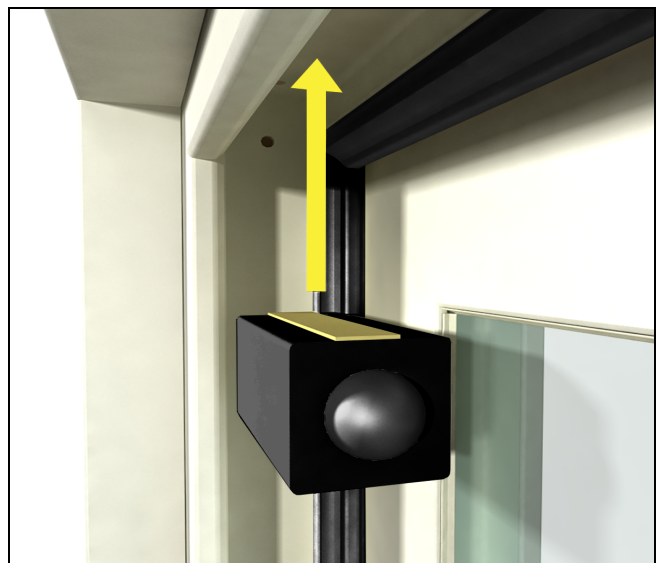


Figure 15

2. Push the thumb tack bumper into the end of the sill block as shown in [Figure 16](#). Remove the backing from the adhesive tape on the sill bumper block and adhere to the stationary panel as shown. The block should fit tightly against the jamb.



Figure 16

Door Stop Installation for XOO/XOO Configurations

1. Attach the door stop in the pre-drilled holes at the top and bottom of the stationary panel on OOX and XOO units. Remove the rubber tip by pulling it off before installing. Replace it once the stop has been positioned correctly with the tip facing the operating panel. See [Figure 17](#)

A crescent wrench may be needed to fully install the door stop. Be careful not to mar the stop when utilizing tools to install it.



Figure 17

Installing the Handle and Strike

1. If the handle has a keyed cylinder insert it into the exterior door stile. Place the exterior handle on the door with the grip pointed toward the glass. Insert the lock lever into the interior stile. Place the interior handle on the door over the lock lever with the grip pointed toward the glass. Install the 2"(51) machine screws through the handles and tighten. [Figure 18](#).

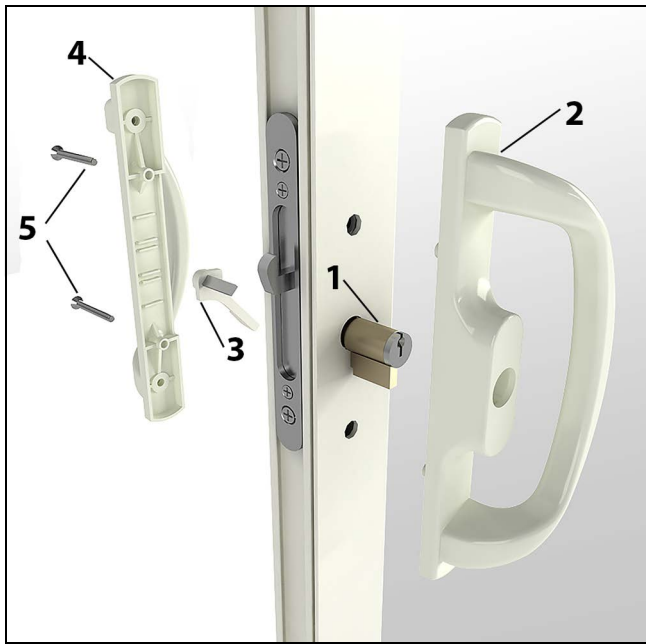


Figure 18 Keyed Handle shown

1	Keyed Cylinder (optional)
2	Exterior handle
3	Lock Lever
4	Interior Handle
5	Machine Screws

2. After the door and strike are aligned, adjust the latch pull by turning the adjustment screw to move the latch in or out of the mortise lock. The operator panel should be pulled snug by the lock, slight resistance should be felt at the end of the turn lever travel when locking if properly adjusted. [See Figure 19.](#)

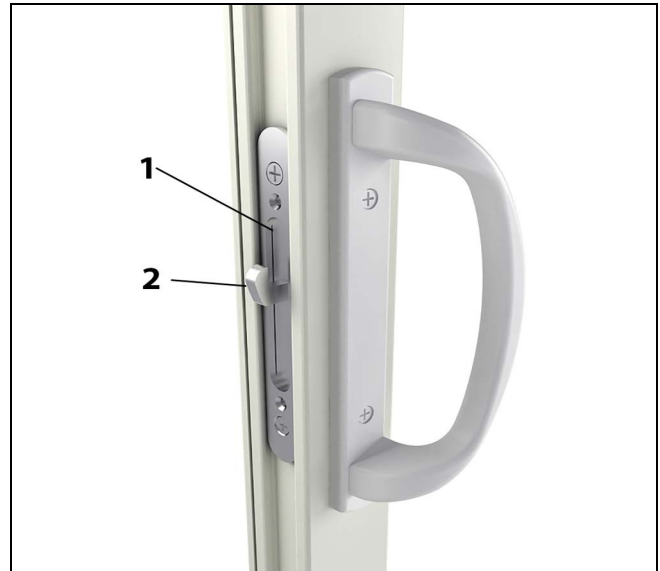


Figure 19

1	Latch adjustment screw
2	Latch