



SERIES 1600 VINYL SLIDING GLASS DOOR INSTALLATION INSTRUCTIONS

MANUFACTURERS NOTE: Failure to follow these instructions may cause the door not to function properly. All product liability and warranty could be void. These installation instructions are recommendations only. Local building codes may impose additional requirements, and those codes may supersede these instructions.

1. Check rough opening. *Do not* install door unless rough opening is correct.

Call Size	Net Frame Size	Recommended Rough Opening
6'-0"x 6'-4"	71 1/2"x 75 1/2"	72"x 76"
6'-0"x 6'-8"	71 1/2"x 79 1/2"	72"x 80"
8'-0"x 6'-4"	95 1/2"x 75 1/2"	96"x 76"
8'-0"x 6'-8"	95 1/2"x 79 1/2"	96"x 80"

2. Check rough opening width and height at three points. There should be no more than 1/8" variation between these measurements. See **Illustration 1**.
Check squareness of rough opening. Measure opening two ways diagonally. Diagonal measurement will be same if the opening is square and the variation cannot exceed 1/4". See **Illustration 2**.

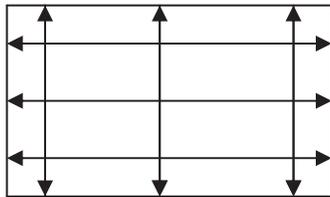


Illustration 1

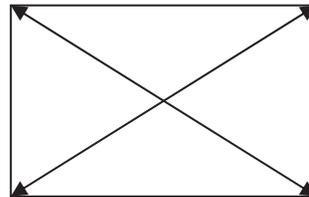


Illustration 2

3. It is recommended to apply a 1/8" thick, suitable, good quality, non-hardening, water resistant sealant tape (putty or butyl type) to the backside (full perimeter) of the mounting flange. If a gunnable sealant is used, a minimum 1/4" bead should be applied centered over the mounting holes on the interior surface of the mounting flange.

CAUTION:

- Do not use a sealant that contains solvents that may chemically attack vinyl.
- The use of foam tapes is not recommended for door installation.

4. Place door into rough opening and center door in rough opening, making sure it is square in opening. Level sill and shim if necessary.

5. Drive the first fastener at approximately the center of frame sill. Square and plumb jambs and drive a fastener through each jamb approximately at midpoint. Align frame head and secure with a fastener approximately at midpoint.

Note: Keep the moving panel closed and locked during installation. Shim around frame jambs as necessary and drive rest of the fasteners through the holes provided around the perimeter.

Caution: Power drivers when used should be adjusted so as not to cause excessive dimpling or fracturing of the mounting flanges and consequently distortion of the door frame.

6. Either screws, nails, or staples may be used as fasteners for your installation. The fastener must penetrate the stud at least one (1") inch, allowing for exterior sheathing. The pre-punched mounting holes in the flanges are to assist our customers who use #8 pan head screw fasteners.

Other equivalent fasteners would be as follows:

1. 6D smooth shank nails (min. 1 1/2" penetration)
2. 6D ring shank nails
3. 16 gauge adhesive coated staples, 7/16" crown.

Note: Any fastener, either screw, nail, or staple that is left exposed to the weather should be of a plated type that will not corrode.

7. Adjust rollers in moving panel with a Philips head screwdriver either up or down until panel has an even reveal at the lock side frame jamb and/or fixed meeting rail. (When adjusting rollers, lift up on panel so as to take load off the adjusting screw).
8. Shim between wall studs and the door frame behind the lock keeper. Remove the two (2) #8x1/2" PPH screw from the lock keeper and discard. Install the four (4) #10x2 1/2" PPH screws (provided with the door) into the lock keeper through the door frame. Make sure the lock engages the keeper properly and make necessary adjustments by moving the lock keeper up or down.
9. Install screen door and adjust sill rollers as necessary. Trim bug strip as necessary. Mount lock keeper on frame jamb and adjust for ease of operation.
10. Seal entire perimeter of the door with a good quality sealant.
11. After the door has been installed, the perimeter of the mounting flange should be covered with siding material. Leave an appropriate gap between the edge of the siding material and the door frame to allow for siding expansion and contraction.

REVERSING THE PANELS FOR OPPOSITE HANDED DOOR (OX to XO or XO to OX)

REVERSAL MUST BE DONE BEFORE THE DOOR IS INSTALLED

A. MOVABLE PANEL AND OUTER FRAME REVERSAL

1. Open movable panel to full open position, lift up and remove. Also remove the screen door and set it aside.
2. Remove the movable panel sill track assembly with a flat screwdriver.
3. Remove the two (2) anti-lift clips in the frame head with a flat screwdriver. Use caution as they may pop out with force.
4. Rotate the door frame upside down. The old frame head now becomes the new frame sill.
5. Re-install the movable panel sill track assembly in the new frame sill, ***making sure shorter snap leg faces the exterior*** for proper drainage.
6. Re-install the two (2) anti-lift clips in the new frame head with the stepped portion towards the interior. Space the clips approx. 2" from lock jamb clear opening and approx. 4" from the edge of the he extended position.
7. Remove the two (2) tandem roller assemblies from the movable panel and re-install in opposite end of panel.
8. Re-install the movable panel in the door frame ***after*** the lock hardware reversal is completed as per instructions B (Steps 1 through 6) given below. The panel is now operational.

B. MOVABLE PANEL LOCK HARDWARE REVERSAL

1. Lay the movable panel on a flat table leaving the lock handle accessible for removal and re-installation.
2. Place the lockset in the locked position. Remove the two (2) interior handle mounting screws and set the handle assembly aside.
3. Holding onto the extended latch hook, remove the two (2) end mounting screws.
4. Snake the latch bolt assembly out of the jamb, rotate it 180 degrees, re-position it into the opening and re-install the two (2) mounting screws.
5. Make sure the keyed lock cylinder is rotated 180 degrees so that the pins are always at the ***top*** (in other words, the key is inserted with the serrated part of the key is facing ***up***).
6. Re-install the handle set assembly.
Caution: Prior to handle set assembly, slide the turn lever of the inside handle assembly all the way to the opposite end so that it snaps into position.

C. ASSEMBLY REVERSAL

1. Remove the snap-in screen track (now at the new frame head) with a flat head screwdriver.
2. Re-install the screen track in the opposite side of the frame (new frame sill).
3. Reverse the screen door latch keeper by rotating it 180 degrees and re-install.
4. Re-install the screen door and adjust the keeper and rollers as necessary.

D. FINAL ADJUSTMENTS

1. Re-adjust the lock keeper on frame jamb as necessary.
2. Re-adjust the bottom roller assemblies for proper height and vertical plumb.
3. Make sure all the four (4) weep covers snapped on the front face of the frame. Head and frame sill are ***reversed with the weep cover opening facing down***.