

Solid Vinyl Sliding Glass Door

Installation Instructions for 2, 3 and 4 Panel Doors

Read completely before attempting installation!

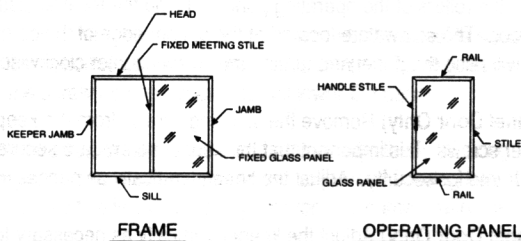
It is necessary that the door be installed **Plumb, Level and Square** to insure proper performance and achieve compliance with manufacturer's warranty.

A minimum of two people are required in order to install door safely and correctly.

Before operating door, remove wood shipping block from sill track and shipping clip from header.

Tools Required:

Hammer
Tape Measure
Level
Drill with 1/16" and 1/8" Bits
Caulking Gun
Wooden Shims
Phillips Head Screwdriver
Standard Flat Head Screwdriver
Acrylic or Latex Caulk (Color Matched)
Installation Nails (#8 Penny Galvanized)
Utility Knife
Framing Square



Replacement Door Installation Instructions

Remove the old door from its frame. Leave the blind stop on the jambs and head.

The rough opening should measure 1/4" larger than the door for clearance both horizontally and vertically. Make sure that the blind stop is large enough to cover the clearance between the rough opening and the door.

Remove the packaging from the door.

Using a utility knife score the base of the nail fin. Snap off the nail fin by bending it back and forth, then discard the nail fin. Repeat this procedure until all the nail fin is removed.

Prepare the rough opening for installation of the new door. Caulk around the perimeter of the blind stop and along the sill where the door will rest.

Position the door in the opening so that it is equally spaced in the opening. The door should be **Plumb, Level and Square**. If necessary use wooden shims to adjust door position.

Drill two 1/8" diameter installation screw holes into the jamb. The first will be located 6" below the head and the second 6" above the sill in the center of the operating panel receiving track in the keeper jamb. Secure the door by screwing the 2" phillips flat head screws through the installation holes and into the wooden frame. Do not warp or bow jamb by over tightening the installation screws.

Repeat instructions for installation holes and screws in the other jamb.

(2 Panel Door Only) Remove the shipping support clip located in the center of the sash track at the frame head and the wooden shipping stop at the sill. Use a flat head screw driver to unlock the door. Slide the door panel open.

Do not install screws through the bottom of the new door's frame sill. Screws may be placed in the door's head if necessary. Do not place the screws where they will interfere with the operating panel(s).

(3 and 4 Panel Doors Only) Remove the packaging from the operating panel(s). Place the panel(s) into the sash track.

Attach the handle plates to the door panel with the long screws and tube nuts. Take care that the turn lever spindles are in alignment with the latch hub slot, and to the inside of the house. Tighten the two assemblies together and check the operation of the handle.

Adjust the rollers of the operating panel(s) using the roller adjustment screws until the panel is square with the door. The screws are located at the bottom edge of the operating panel(s). Turning the screw clockwise will raise the panel and turning the screw counter clockwise will lower the panel.

(2 Panel Door Only) Remove the shipping screws from the keeper and replace with the 2 1/2" long keeper screws. It is important that the keeper screws are secured into the solid wood framing behind the door frame for security. Adjust the keeper vertically as necessary for proper alignment with the latch.

(3 Panel Door Only) Adjust the keeper vertically as necessary for proper alignment with the latch.

(4 Panel Door Only) Read and perform astragal installation instructions now (last page of these instructions).

Trim the interior opening and finish the exterior opening. Do not plug the weep slots located on each end of the outside of the sill.

Note: For proper screen operation rubber flap may be trimmed with razor blade.

New Construction Installation Instructions

The rough opening should measure 1/4" larger than the door for clearance both horizontally and vertically.

Remove the packaging from the door.

Prepare the frame for installation by caulking the perimeter of the interior side of the nail fin. In some installations the nail fin along the bottom may need to be removed. This can be accomplished by scoring each side of the nail fin with a utility knife and then snapping off the nail fin.

Position the door in the opening so that it is equally spaced in the opening. The door should be **Plumb, Level and Square**. If necessary use wooden shims to adjust door position.

Secure the door by nailing through every other of the prepunched holes in the jamb nail fin. Be sure to nail the jamb nail fins only. Do not nail through the head nail fin. Instead nail approximately 1/2" above the nail fin and bend the nails over onto the nail fin to allow for building head deflection over time.

(2 Panel Door Only) Remove the shipping support clip located in the center of the sash track at the frame head and the wooden shipping stop at the sill. Use a flat head screw driver to unlock the door. Slide the door panel open.

(3 and 4 Panel Doors Only) Remove the packaging from the operating panel(s). Place the panel(s) into the sash track.

Attach the handle plates to the door panel with the long screws and tube nuts. Take care that the turn lever spindles are in alignment with the latch hub slot, and to the inside of the house. Tighten the two assemblies together and check the operation of the handle.

(4 Panel Door Only) Attaching the dummy handle to the other sliding panel. Screw each handle to the escutcheon plate with the mill color phillips head screws. Then attach each half of the handle to the sliding panel with the color match screw and binding post.

Adjust the rollers of the operating panel(s) using the roller adjustment screws until the panel is square with the door. The screws are located at the bottom edge of the operating panel(s). Turning the screw clockwise will raise the panel and turning the screw counter clockwise will lower the panel.

(2 Panel Door Only) Remove the shipping screws from the keeper and replace with the 2 1/2" long keeper screws. It is important that the keeper screws are secured into the solid wood framing behind the door frame for security. Adjust the keeper vertically as necessary for proper alignment with the latch.

(3 Panel Door Only) Adjust the keeper vertically as necessary for proper alignment with the latch.

(4 Panel Door Only) Read and perform astragal installation instructions (last page of these instructions).

Trim the interior opening and finish the exterior opening. Do not plug the weep slots located on each end of the outside of the sill.



How To Reverse the Operation of the Door

(2 and 3 Panel Doors Only)

If your door application requires the operating panel to open from the opposite side follow these directions to reverse the operation of the door.

Remove the packaging from the door and remove the screws that hold the wooden shipping blocks onto the sill.

(2 Panel Doors Only) Unlatch the turn lever of the door handle and open the operating panel to the center of the door. Turn the roller adjustment screws located on the bottom of each side of the operating panel counter clockwise to lower the panel.

(2 Panel Doors Only) Remove the panel from the door frame.

Lift out the aluminum roller track located in the bottom of the sill with a flat head screwdriver.

Cartwheel the door frame 180 degrees and reinstall the sill track into the sill. Set the frame down in a safe location.

(3 Panel Doors Only) Remove the packaging from the operating panel.

The rollers of the operating panel must be relocated to the opposite end. Lay the operating panel on its side and remove the phillips flat head screws that hold the roller assembly into the operating panel. Lift out the roller assembly and place in slot at opposite end of the operating panel. Position the roller assembly so that the installation hole aligns with the hole in the panel. Replace the phillips flat head screw. Repeat with other roller. **Do not adjust rollers.**

Reinstall operating panel into the frame. Check that the interlock on the panel faces towards the exterior side of the frame.

Adjust the rollers of the operating panel to keep the handle stile parallel with the keeper jamb.

Open the operating panel and operate the lock so that the latch will be exposed. Clamp a pair of vise grip pliers to the latch. Remove the two screws that hold the lock assembly into place. Pull the lock assembly out by pulling down on the vise grip pliers and then rotating so that the top of the lock comes out of the hole first. Rotate the lock so that the latch points up and replace the lock into the hole. Replace the two lock screws.

Measure the location of the keeper on the door jamb and remove the shipping screws that hold the keeper in place. Measure the opposite jamb and reinstall the shipping screws.



Astrigal Installation Instructions

(4 Panel Doors Only)

Description: The astrigal is the adapter that is used to seal and lock your two operating panels together. The astrigal is fabricated on both ends to conform to the contours of the tracks in the head and sill of the door. The astrigal will be screwed to the operating panel that is equipped with the non-operating handle. The keeper will be installed into the astrigal. The panel with the operating handle will slide into the astrigal and lock into the keeper.

Determine which panel has the non-operating lock. Place the shallow edge of the astrigal on to this panel. Check to see that the astrigal conforms to the shape of the head and sill of the door. If the astrigal does not conform, spin the astrigal 180 degrees in your hand and try again. (See Illustration#1)

Drill four 1/16" diameter pilot holes through the astrigal and into the aluminum reinforcement that is placed inside of the panel. Locate the pilot holes in the center of the astrigal starting about 4 inches below the head and evenly space (approximately every 19") the holes until you are about 4 inches above the sill. (See Illustration #2)

Screw the color matched #8 x 3/4" PFH screws into the pilot holes to secure the astrigal.

Install the keeper and adjust per lock and keeper instructions.

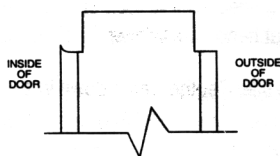


ILLUSTRATION #1
END VIEW OF ASTRIGAL

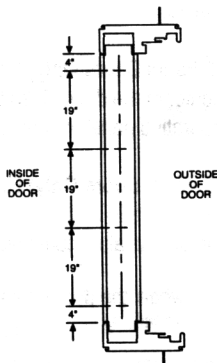


ILLUSTRATION #2