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New Construction and Replacement Installation Instructions for Vinyl Patio Door Model 4000

In the Box:

- 12 - 3" installation screws & 3 panhead 1" screws
- Screw Pack with twelve (12) Plug Buttons
- Hardware Kit: key lock with 2 keys – Model 6400; 2 keys optional with Model 4202

What's Needed:

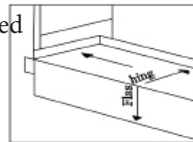
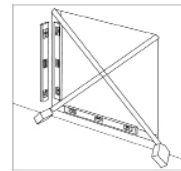
- Utility Knife
- Caulking Gun & Caulk
- Drill/Screw Gun
- Small Flat Pry Bar
- Flat Shims
- Level or Straight Edge
- Straight Screwdriver with 3/16" blade
- Phillips Screwdriver
- Hammer
- Rubber Mallet

① Inspect Rough Opening

- This door has an installation fin and is intended to be installed from the Exterior of the structure.
- Interstate is not responsible for the reinstallation of doors due to incorrect size, options or damage, inspect all doors before removing old ones.
- Check rough opening width and height, it must be 1/2" larger than door frame dimensions.

② Plumb, Level, Square

- Ensure that rough opening is plumb and level.
- Check squareness of rough opening by measuring diagonally. Dimensions must be within 1/8" of each other. Shimming may be required.
- Sill pan flashing is recommended and may be necessary.
- Confirm that the existing sill is flat, level and structurally sound. If leveling is necessary it will require shims no more that 6" apart.



③ Decide Door Operation

- The 4000 Model Patio Door is a direct set fixed panel door. The standard operation is left active from the outside.
- This model is reversible in the field and the process is as follows:

Step 1 - Install the frame in the opening with the

operating side on the right from the exterior to prepare for the next step of the reversal process.

Step 2 - Next remove the panel and the screen roller tracks from the head and reapply in the sill, making sure that the short leg of the track is to the exterior of the sash track. (Needle nose pliers may be needed for ease of removing tracks.)

Step 3 - Remove the rollers from the bottom of the sash and reinstall in the opposite end of the panel.

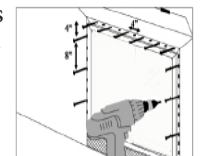
Step 4 - Next remove the lock latch by removing two larger screws at both ends of the flange and rotate the lock latch and replace the screws.

Step 5 - Reinstall the operating panel and adjust for ease of operation.

④ ➡ a Install Door Frame

NEW CONSTRUCTION

- Prepare the opening with two 3/8" beads of caulk across the sill and 6" up each jamb.
- Run a 3/8" bead of caulk along the interior side of the nailing fin directly over nail holes.
- Leave two 1" gaps in exterior sill pan sealant to assure the installation weeps properly.
- Carefully place frame into wall opening. Tack door into opening by nailing through flange 3/4 of the way up on both sides of jamb.
- From interior shim each of the four sides until the frame is level, square and plumb. The frame is square when both diagonals measure equal.
- Drill a 5/32" hole through 2 layers of vinyl and then 3/8" hole through only the first layer of vinyl at NO LESS THAN EVERY OTHER pre-punched hole provided. Fasten frame in place using 1 1/2" weatherable fasteners. Anchor jambs with 3" screws



④ ➔ ⑥ Install Door Frame

REPLACEMENT

- Prepare the opening with two 3/8" beads of caulk across the sill and 6" up each jamb.
- Carefully center the master frame in the opening upon the prepared sill and over the flat shims from exterior. Add additional shims at sill to make the sill of door level no more than 6" apart. Verify that unit is installed plumb, level and square.
- If using sill pan flashing, assure that it is level and properly sealed and frame fits properly.
- If using sill pan flashing, assure that the sill, jamb and head are level and properly sealed and frame fits properly.
- Drill a 5/32" hole through 2 layers of vinyl and then 3/8" hole through only the first layer of vinyl at every fastener location equidistant through the **jamb and head**. (for sill application see #6) Fasten frame in place using 3" installation screws (supplied) and apply plug buttons concealing the fastener locations. Do not over torque the installation screws.

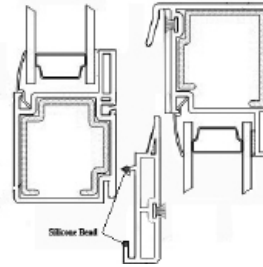
⑤ Secure Sill

- Recheck to make sure the sill is level, flat and solid. Secure the sill with 3 screws evenly placed using the following method:
- Predrill 3/8" hole through 1st layer of vinyl. Then predrill 5/32" hole through second layer. Apply a generous amount of silicone sealant into hole, apply screws into holes, top screws with more silicone and cap with plug buttons.
- Use 3 screws on sill. They should be applied into shims where applicable.

⑥ Interlock Installation

- Interlock is shipped partially engaged. Remove interlock from the side of the fixed panel.

- Install interlock by putting a bead of silicone on each end (as shown) and tap in place with mallet. **DO NOT CUT INTER-LOCK**. The supplied length is required to assure proper operation.



⑦ Install Operating Panel

- Install moving panel into the frame making sure the rollers are on the bottom.
- Adjust the rollers until the sash reveal is equal at head and sill and aligned with fixed panel. Be sure the glazing bead is facing out. Roller adjustment is located at end of operating panel. **DO NOT USE DRILL** to adjust rollers.

⑧ Install Hardware

- Install handles into the operating panel and verify latch hardware is moving from bottom to top (see instructions sheet supplied with hardware kit).
- Fasten latch keeper and shim to the lock jamb, using the pre-processed dimples to locate the 2½" pan head installation screws (supplied). Be sure jamb is shimmed properly and that screws penetrate shims.

⑨ Screen

- Install the screen by placing the top in the top channel and placing the bottom in the roller channel. It may be necessary to push roller up onto roller track with screwdriver or putty knife.
- Adjust bottom rollers until screen is even at top and bottom and square with jambs.
- Adjust top rollers applying downward pressure to assure screen rolls properly.
- Align and install keepers per instructions supplied with screen.

⑩ Final Inspection

- Inspect operation and use approved insulation where necessary for maximum energy efficiency.

Maintenance

Precautions:

- Protect door from direct contact with any brick washes.
- Be careful, metal razor blades can damage the glass or other surfaces.
- Do not use abrasive cleaners on vinyl or glass surfaces, they will scratch the surface.

Cleaning:

- Clean glass with a liquid glass cleaner and a soft towel.
- Vinyl frames and sash can be cleaned using a mixture of a mild detergent and water with a soft towel or brush.
- Isopropyl alcohol can be used for tough to clean areas.

To request additional information call
800-338-9997.

For supplemental installation instructions on 3 lite and 4 lite patio doors, please visit
www.interstatewindowsanddoors.com or www.interstatebldg.com