



INSTALLATION INSTRUCTIONS SERIES 4000

NOTE: Your Clearview Patio Door has been designed and manufactured to the highest quality standards. Proper installation will guarantee years of care-free operation. We recommend that you read through these step-by-step instructions before you start.

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Tools Required

1. Standard Carpenters Square
2. Standard Carpenters Level
3. Caulking Gun
4. Measuring Tape
5. Power Drill
6. 1/4" Masonry drill bit
7. Standard Robertson Screw Driver # 2 (Red Handle)
8. Standard Robertson Screw Driver # 1 (Green Handle)
9. Standard Flat Screw Driver
10. Hammer

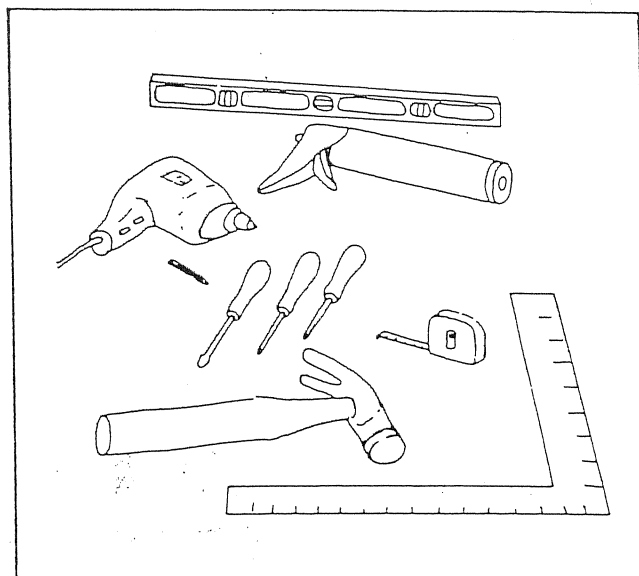


Illustration # 1

Materials Required

A Number of ShimS (Cedar Shingles)
 A Cartridge of Butyl Type Caulking
 Small Quantity of Rock Wool or Fibre Glass Insulation

PARTS LIST: Please check and identify all of the component parts and hardware of your door. Notify the place of purchase immediately if you are missing any of the required parts.

A. Frame Components: (As viewed from the outside)

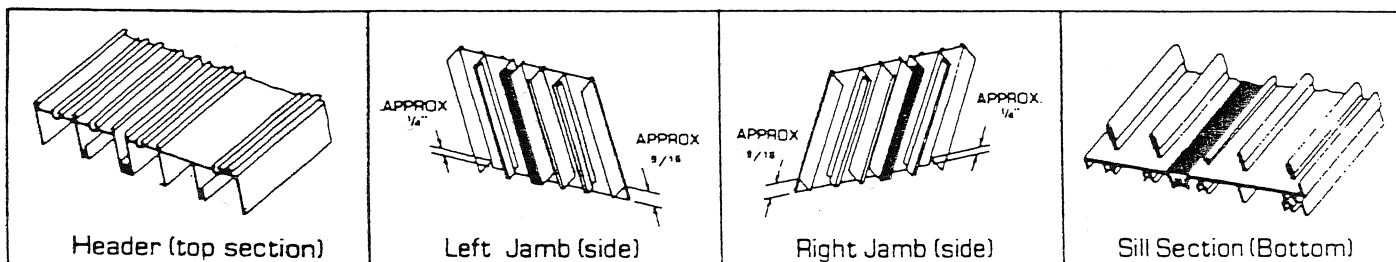


Illustration # 2

Illustration # 3

Illustration # 4

Illustration # 5

B. Four Glass Panels, One Screen. (Note: If you have purchased a triple glazed door, two of the panels will contain sealed units. These are normally mounted on the outside.

Parts Hardware

1. Operating Panel door lock
2. Combination fixed panel security clip and bumper
3. # 6 x 3/4" Panhead Screws (frame assembly)
4. # 10 x 1 1/4" Countersunk screws (sill installation)
5. # 10 x 12 x 1 Anchor plug (concrete sill installation)
6. # 10 x 1 1/4" Panhead screws (jamb and header installation)
7. # 8 x 1/2" Self Tapping screws (2 for outside screen handle)
(2 for vinyl bumpers)
8. Small Vinyl fixed panel bumpers
9. # 6 x 1/2" Self Tapping screws (screen keeper)
10. # 8 x 3/4" Panhead screws (panel clip bumper)
11. Outside screen handle
12. Screen keeper

Qty.			
2			#3
3			#4
16			#6
4			#7
4			#9
20			#10
4			#10
2			#10
2			#10
3			#10
1			#10
1			#10

STEP 1 Preparation of Opening

The opening should be framed in wood on either a wooden or cement sill. $\frac{1}{4}$ " of space is reserved at the top and $\frac{1}{2}$ " is reserved at the sides to permit the use of wood shingles to square the aluminum frame.

Door Size	Width Opening Size	Actual Door Frame	Height Opening Size	Actual Door Frame
5'	60"	59½"	80"	79¾"
6'	72"	71½"	80"	79¾"
8'	96"	95½"	80"	79¾"

STEP 2 Frame Assembly

Lay out the frame members and compare sections with illustrations 2 through 5 and identify:

(#5) Sill Section (bottom)

(#2) Header (top)

(#3) Left Jamb (side)

(#4) Right Jamb (side)

Match the black vinyl thermal break on all sections and assemble the frame using the #6 x $\frac{3}{4}$ " panhead screws (#3). Refer to illustration # 6.

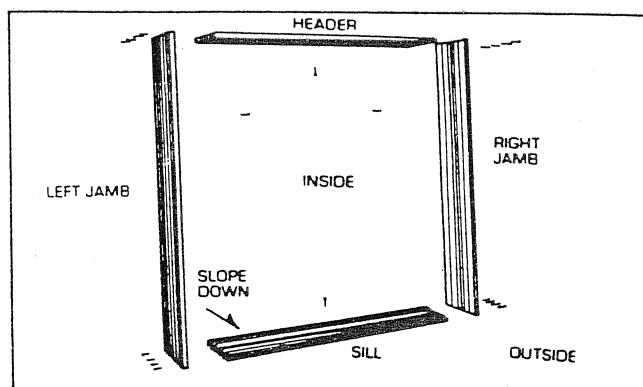


Illustration #6

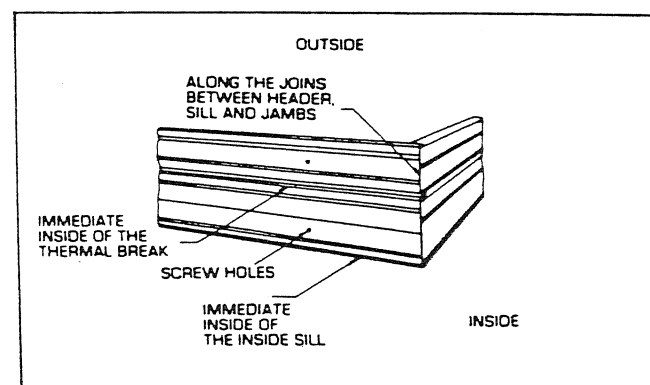


Illustration #7

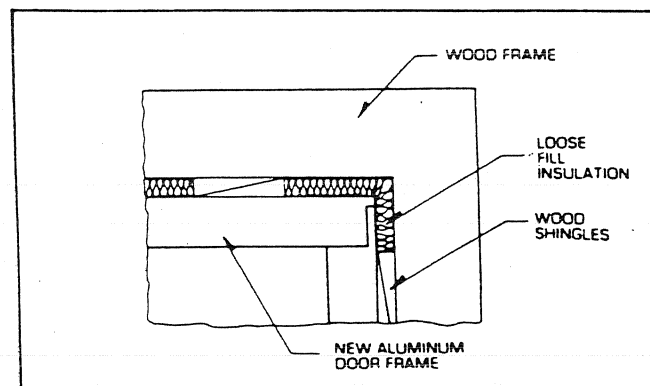


Illustration #8

STEP 3 Frame Installation

Important: Careful caulking will prevent leakage. Run a $\frac{1}{2}$ " bead of caulking down each side of the underside of the inside part of the sill. Caulk the full length of the joint of the sill and header at each of the jambs. Place a generous blob of caulking over each of the screw holes in the sill. See illustration # 7. Slip the assembled frame into the prepared opening making sure that the sill slopes down to the outside. Using the wooden shingles behind the frame at each of the screw holes and guided by a carpenter's level and square, square the jambs and header to the level sill. Use the #10 x $1\frac{1}{4}$ " countersunk screw (#4) to fasten down the sill. If the sill is concrete make $\frac{1}{4}$ " holes in the concrete at every installation screw hole using a $\frac{1}{4}$ " concrete drill bit. Insert the 10 x 12 x 1 (#5) anchor plugs and then use the 10 x $1\frac{1}{4}$ " (#4) countersunk screws. Make certain that the frame remains square until it is firmly fastened. Pack insulation firmly into any space between the aluminum frame and the wood opening frame to prevent drafts. See illustration # 8.

STEP 4 Panel Installation and Operation

First check all panels for squareness. Panels can become out of square while being transported. You can make adjustments using a mallet and a wooden block. See illustration #9.

Panel operation shown is as viewed from the outside. Install the first panel as shown in illustration #10 or #11 by lifting the top up into the header section and then resting the bottom on the corresponding track on the sill. Adjust the panel wheels (illustration #12) so that the panel is square to the jambs (side) and operates smoothly. Move this panel to the middle.

Now load the second panel as shown and again adjust the panel wheels. Load the screen and adjust the top and bottom wheels as shown in illustration #13 until the screen moves freely.

Load the third and fourth panels as shown. Adjust the dust caps located at the top of the fixed panels to prevent lifting up the panels to remove.

STEP 5 Mounting the Hardware

Install the vinyl panel bumpers (#8) using the #8 x 3/4" self tapping screws (#7) into the appropriate hole provided in the centre of the jambs. (Note: These bumpers are installed where the two fixed panels meet the jamb. They are used to provide the proper spacing for the panel clip to hold securely.)

Install the combination fixed panel clip and bumper, shown as 6, then 7 and then 8. Make sure that the clip is tight against the glass before starting the #8 x 3/4" self tapping screws (#10).

Install the operating panel door locks (#1) in the openings provided. With the locks in the locked position place the lock keeper over the cam and ease the panel close to the jamb. Mark the approximate position of the keeper. Move the panel and install the keeper using the screws provided.

Install the outside screen handle using the #8 x 1/2" self tapping screws (#7). Install the screen keeper in the same way you installed the operating panel keepers, using the #6 x 1/2" self tapping screws (#9) and you're finished!

Maintenance

Keep the sill section clean at all times to extend the life of the ball bearing rollers. Use liquid glass cleaner, never abrasive based cleaners, to clean all surfaces. (Note: Rinse the sill thoroughly as soap residue will harm the sill finish.) To adjust the panels move the operating panels until they are out of the jamb approximately 1/8". Adjust the screw on the opposite side until the side rail of the panel is parallel to the jamb section. To adjust the screen use the screws located at each corner of the screen. Adjust the bottom rollers first to achieve the desired height, then adjust the top rollers to provide the required tension or balance.

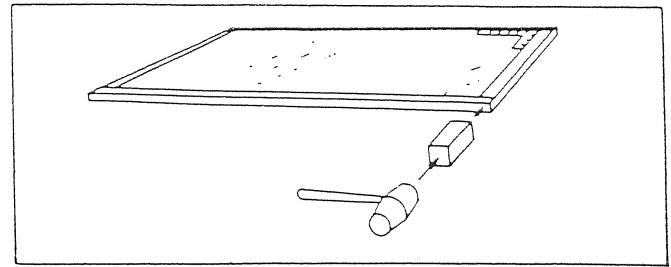


Illustration #9

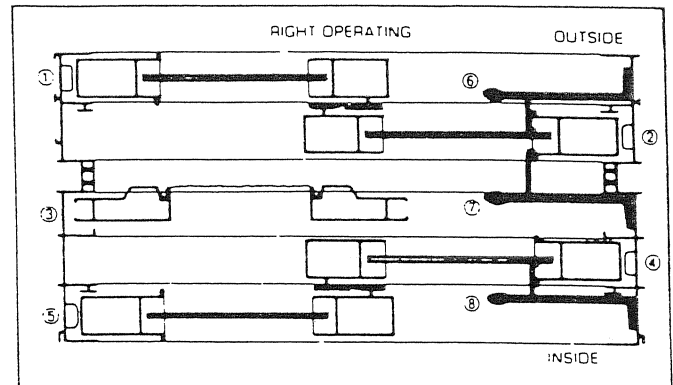


Illustration #10

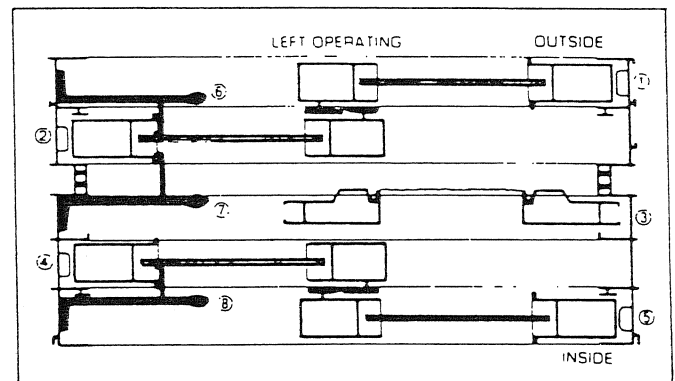


Illustration #11

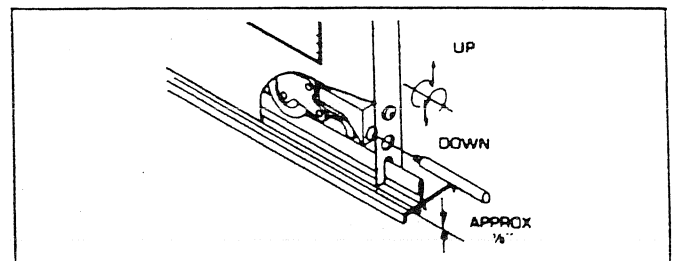


Illustration #12

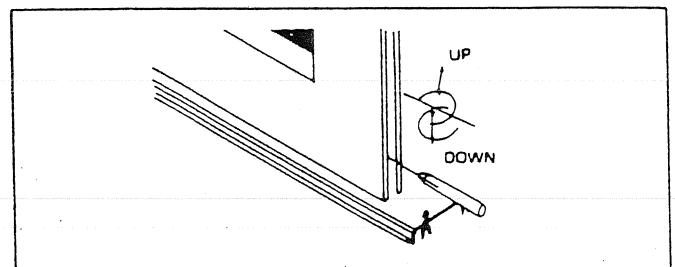


Illustration #13

1000/2000/4000 MORTISE LOCK

