

# PDV2MW Slope Sill Patio Door Installation Instructions

**Corsair**  
GLIDING PATIO DOOR



## STEP ONE PREPARING THE OPENING

After removing the existing patio door frame, check the opening for any loose or rotted board, or any other obstructions which could affect the squareness and proper fit of your new patio door. The sill must be level prior to installing the door frame. The rough opening should be  $\frac{1}{2}$ " larger than the new frame.

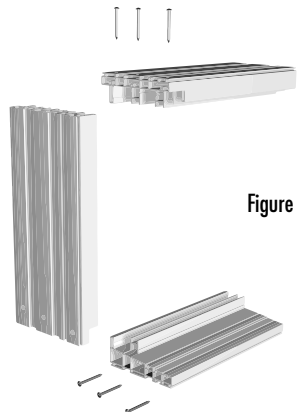


Figure 1

## STEP TWO ASSEMBLING MAIN FRAME

*If purchased pre-assembled, proceed to step 3.*

Assemble the frame on a clean flat surface to avoid damage. The head, sill and both jambs are already cut to size and machined properly for you. Twelve #8 x 2" truss head frame assembly screws are provided. Before fastening the jambs to the sill and head profile, apply adhesive back foam pad to sill end of jambs and each end of head profile. Simply screw through the prepunched holes to join frame members. After the frame is screwed together tightly, check frame corners for proper gasket alignment.

**Install aluminum screen track onto frame assembly if not already installed.**

## STEP THREE INSTALL INTO ROUGH OPENING

- A. A bead of sealant should be applied to the leading edge of the opening along the sill from jamb to jamb.
- B. Insert the frame into the opening. The frame must be square, plumb and level. Use wood shims to accomplish this. Use a level to ensure an even installation. Measure the corner to corner distances (upper right to lower left and upper left to lower right). The frame is square when these distances are the same.
- C. Screw through the jambs and head with the #8 x 3" truss head screws provided.
- D. Install track covers in frame head.

## STEP FOUR INSTALLING THE PANELS

### ROUGH OPENING



### PATIO DOOR IN RO



The rough opening should be approximately  $\frac{1}{2}$ " larger than the patio door.

### HANDED DOOR

#### A. Installing the fixed panel (Figure 2)

- 1) Determine operating direction of active panel. In the exterior frame sill snap the vinyl buildup and butt to opposite jamb.
- 2) Snap aluminum fixing blocks onto frame sill buildup and corresponding tower of frame head and butt to fixed jamb and attach using #8 x  $1\frac{3}{4}$ " long screws.
- 3) Insert dust plug at sill behind buildup assembly, aligning with its end and attach with #8 x 1" long screws (painted black).
- 4) From the exterior side, align the fixed panel at the end of buildups and frame tower and slide from frame center towards jamb. The interlock should face the interior and be at the center of the door. The panel will be attached in a later step.

Note: If interlock for fixed is shipped separately, it should be snapped into place with the vinyl screw cover removed, and attached with #8 x 1" long screws painted white. Once secured the vinyl cover should be replaced.

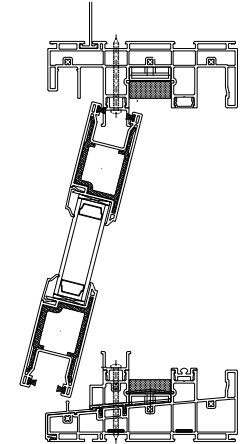


Figure 2

- 5) Push fixed panel toward jamb until it is about  $\frac{1}{2}$ " from jamb. Make sure the distance between the fixed panel and the jamb is exactly equal at the top, middle and bottom. If this distance is not equal, the frame must be squared up before proceeding.

#### B. Installing the operable panel (Figure 3)

- 1) Examine operable panel and insure proper handling.
- 2) From the interior, insert active panel with interlock attached, and facing the exterior onto the interior frame tower of head and swing into position at sill.
- 3) Adjust rollers and slide panel towards active jamb. Insure proper adjustment of panel and insert into jamb pocket.

# PDV2MW Slope Sill Patio Door Installation Instructions

- 4) Roll operating panel to within  $\frac{1}{2}$ " from the jamb. Make sure the distance between the panel and the jamb are exactly equal at the top, middle and bottom. To align panel with frame jamb, adjust roller height by turning roller adjustment screw (use phillips type screw driver through processed hole at each stile) clockwise to raise panel. Also the operating panel can be raised or lowered to make it even with the fixed panel.

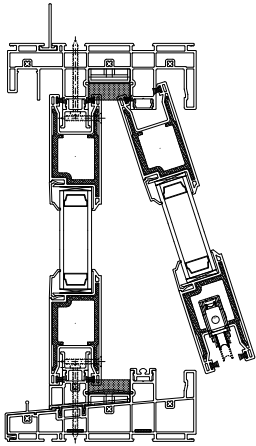


Figure 3

## FIELD REVERSIBLE DOOR

### A. Installing the fixed panel (Figure 2)

- 1) Determine operating direction of active panel. In the exterior frame sill snap the vinyl buildup and butt to opposite jamb.
- 2) Snap aluminum fixing blocks onto frame sill buildup and corresponding tower of frame head and butt to fixed jamb and attach using #8 x  $1\frac{3}{4}$ " long screws.
- 3) Insert dust plug at sill behind buildup assembly, aligning with its end and attach with #8 x 1" long screws (painted black).

- 4) From the exterior side, align the fixed panel (fixed panel has no holes processed in stile for handle attachment) at the end of buildups and frame tower and slide from frame center towards jamb.
- 5) The interlock for the fixed panel is shipped loose. There should be two interlocks with a 5 degree slope at one end and notch at the other (one left, one right). The interlock when snapped into place should face the interior of the home. The interlock should then be fastened with #8 x 1" long screws, painted white, through pocket and then covered with vinyl cap.

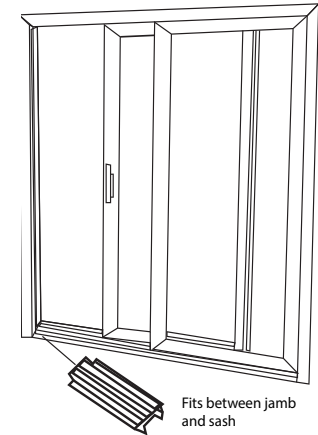
### B. Installing the operable panel (Figure 3)

- 1) Examine operable panel and insure proper handling. If needed, switch the rollers to the opposite rail and flip mortise lock. The interlock is processed for reversibility.
- 2) From the interior, insert active panel with interlock attached, and facing the exterior onto the interior frame tower of head and swing into position at sill.
- 3) Adjust rollers and slide panel towards active jamb. Insure proper adjustment of panel and insert into jamb pocket.
- 4) Proceed to step 4 from handed door active panel install.

### C. Final panel installation

- 1) When both panels are square and level with each other and with the main frame, the following are to be done.
  - a) Assemble the handle set onto the operable panel stile. Check the operation by using the turn lever and key.
  - b) When the door panels are completely installed, leveled and even with each other, the lock keeper can be attached to the frame jamb.
  - c) Slide the operable panel into the jamb and lock it. With the operable panel in the locked position, move the fixed panel into the jamb until the interlocks are fully engaged.
  - d) Attach the fixed panel using the preprocessed holes in the top and bottom rails. Secure with #8 x 1" long screws. Cover holes with plugs provided.
  - e) Position head dust plug between frame post and center over interlocks and attach with #8 x 1" long screws (painted black).
  - f) Insert the threshold cover over the exterior sill pocket (Figure 4).
  - g) Install jamb covers.
  - h) Install the door stop in the inside pocket of the head at the fixed side jamb.

Figure 4



## STEP FIVE FINISHING THE INSTALLATION

After the door panels have been checked for proper alignment and operation the exterior of the door should be caulked to the rough opening.

## STEP SIX INSTALLING SCREEN

When the door is complete, installed and trimmed out, the screen may be installed (see the manufacturer's installation details)