**INSTALLATION INSTRUCTIONS**

**FOR VINYL 2-LITE PATIO DOOR ASSEMBLED**

<table>
<thead>
<tr>
<th>Tools &amp; Materials You Will Need:</th>
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<tbody>
<tr>
<td>• Measuring Tape</td>
<td>• Square</td>
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<tr>
<td>• Pencil</td>
<td>• Hammer or Mallet</td>
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<tr>
<td>• Shims</td>
<td>• Level</td>
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<tr>
<td>• Drill &amp; Drill bits: ¼&quot;, ⅜&quot;, ⅜&quot;, ⅝&quot;</td>
<td>• Stiff Putty Knife</td>
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<tr>
<td>• Utility Knife</td>
<td>• Fiberglass Batt Insulation (for insulating between rough opening and patio door frame)</td>
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<tr>
<td>• High-Performance Premium Silicone Caulking</td>
<td>• (1) box #10-12 x ½&quot; Phillips flathead self tapping screws (for mounting accessories)</td>
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<tr>
<td>• (1) Phillips and (1) Flathead screwdriver</td>
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<table>
<thead>
<tr>
<th>Individual Installation Screw Pack Contents:</th>
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<tbody>
<tr>
<td>Pack Label No.</td>
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<tr>
<td>----------------</td>
</tr>
<tr>
<td>2</td>
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<tr>
<td>6</td>
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<tr>
<td>6</td>
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<tr>
<td>Accessory Parts</td>
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**REMEMBER:** ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.

YOUR PACKAGE CONTAINS THE FOLLOWING:
Patio door assembled unit containing: frame, sashes, screen and handleset kit.

**BEFORE YOU BEGIN INSTALLATION:**

Read these instructions carefully before starting installation. Make sure the new door will fit into the opening by allowing a ½" gap all around. Failure to follow installation instructions voids all existing and implied warranties.

Make sure rough opening is clean, clear of any debris and level.

Homes built before 1978 may contain lead paint. All replacement installations must comply with the U.S. EPA’s Lead-Based Paint Renovation, Repair, and Painting Program (RRP Rule). Read more about the RRP Rule and lead-safe work practices, on the U.S. EPA’s website at: [www.epa.gov/lead](http://www.epa.gov/lead)
MEASURE & PREPARE OPENING

Read these instructions carefully before starting installation. Failure to follow installation instructions voids all existing and implied warranties.

Step 1-
Make sure rough opening is clean, clear of any debris, and level.

A level sill is critical! If sill is not flat, straight and level, it must be shimmed for proper operation.

Step 2-
Make sure the new door will fit into the opening by allowing a \( \frac{3}{8} \) gap all around. The rough opening must measure no more than the door size + \( \frac{5}{8} \)".

The performance of this door will be affected if the opening is too small or too large.

Shims must be used at each installation screw where gap is more than \( \frac{1}{16} \)".

Step 3-
Install two generous beads (\( \frac{3}{8} \)"") of premium caulking compound along entire length of sill, making sure it is a STRAIGHT LINE as illustrated.
**2 OPTIONAL METAL ANCHOR INSTALLATION**

If you ordered your patio door for the metal anchor block application, please follow these steps listed below.

If you ordered your patio door for a standard installation using #8 x 3” installation screws, proceed to Procedure 3.

**Step 1**-
Install (12) metal anchors onto patio door frame at 8” from corners from top down with a maximum distance between each anchor not exceeding 27 1⁄2” (see illustration).

If the distance is over 27 1⁄2”, add an additional anchor.

There are 12 anchors in each kit.

**Step 2**-
Install anchors using the (12) #6 x ¾” Phillips Panhead screws. Install one # 6 x ¾” screw at each location into the first hole of the metal anchor block (see illustration above).

**Step 3**-
If your opening wall depth is over 6”, insert the frame with the metal anchors mounted into the opening. The metal anchor blocks will be mounted inside the jamb, parallel to the patio door frame.

Install the metal anchor blocks into the jamb opening using #8 x 3” installation screws into the 1st hole (see above illustration).

**Step 4**-
If your wall depth is smaller than 6” frame depth, insert the frame with the metal anchors mounted into the opening. Tap the metal anchor blocks so that the blocks will bend over onto the face of the interior wall using a hammer or mallot.

Install the metal anchor blocks using the #8 x 3” installation screws onto the 1st hole of the metal anchor block (see illustration).
3 INSERTING PATIO DOOR INTO OPENING

If you ordered a patio door unit with nail fin, please go to Procedure 11 (page 8).

Step 1 - Sit the patio door into the opening, SILL FIRST.

Make sure the caulking compound makes a perfect seal between the door sill and the floor.

STOP

3 SHIMMING & INSTALLING PATIO DOOR FRAME

Note: In order to prevent water infiltration, we do not recommend screwing through the sill.

Note: It is very important to make sure door is not overshimmed. Too many shims will cause the door unit to bend and jeopardize operational performance of the door.
**5 SHIMMING & INSTALLING PATIO DOOR FRAME**

**Important!** In order to prevent water infiltration, we do not recommend screwing through the sill.

**Step 2**
Pre-drill a hole of 3⁄8" diameter through the first wall of the vinyl jamb and install #8 x 3" Phillips Panhead screws (see install pack labeled #2), 4 at each side and 4 in header. Cover with hole plugs provided (see install pack labeled #2).

Follow with jamb covers (as illustrated).

**Step 3**
Measure from corner to corner and square the frame (upper left to lower right and upper right to lower left). Shims must be used if there is space between door jamb and rough opening more than 1⁄4".

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**6 INSERTING INSULATION**

**Step 1**
Insulate gaps using a loose, batt insulation and being careful not to overstuff the insulation into the gaps. Doing so will cause the patio unit to become out of square.

**Step 2**
Trim all shims flush with the patio door unit frame. Caulk and finish the exterior of the door to ensure water tightness between rough opening and door frame.
7  ADJUSTING ACTIVE PANEL

REVERSING SASH INSTRUCTIONS: It maybe necessary to reverse sash in field. If this is required, contact your dealer for instructions.

ACTIVE PANEL ROLLERS

Step 1 - Adjust the height and squareness of the active panel sash with adjustment screws by turning clockwise to raise the sash and counter-clockwise to lower the sash as illustrated.

8  SECONDARY/VENT LOCK INSTALLATION

Step 1- Make sure the active panel is in a closed and locked position.

Important! Before drilling the secondary lock onto the active panel, visually locate the position so that the secondary lock will sit directly above the stainless steel keeper and will engage into the first hole (closest to the jamb) on the stainless steel keeper.

Step 2- Locate the secondary lock (see install bag labeled #6) onto the horizontal rail on the active panel, making sure height is at a min. of .9375" (15/16").

Step 3- Once height has been established correctly, attach using the (4) #10 x 9/8" Phillips Flathead screws (see install bag labeled #6).
9 ADJUSTMENT & OPERATION OF SCREEN

Important! DO NOT USE a power drill to make adjustments - doing so will cause excessive torquing of the adjustment screws. Only use a #2 Phillips Head Screwdriver.

Adjustments to the screen can be made by inserting a #2 Phillips Head screwdriver into each adjustment screw. Note: There are 3-6 adjustment screws evenly spaced in the inside track (depending on width of unit). DO NOT REMOVE the adjustment screws.

Adjust the left and right sides of the screen until the sides are parallel to the jambs.

Each complete turn of the screw will raise or lower the track by 1/32”

1. Turn adjustment screw clockwise to RAISE screen from threshold.
2. Turn adjustment screw counter-clockwise to LOWER screen onto threshold.

10 ADJUSTMENT OF SCREEN LATCH KEEPER

Note: The screen latch and keeper will ship factory mounted.

Step 1- Check for proper operation. The screen latch should hook underneath the latch keeper with the keeper screws at the top (see illustration).

The latch should always “unlatch” while pushing downward on the paddle.

Adjust keeper up or down as necessary.
11  NAIL FIN INSTALLATION

Step 1 - Measure from corner to corner on the frame to ensure the frame is square (upper left to lower right and upper right to lower left). Add shims if necessary, making sure to leave a 1\(\frac{1}{8}\)" to 1\(\frac{1}{4}\)" space between the frame and the rough opening.

Step 2 - Begin securing the frame in rough opening by placing a 1 \(\frac{3}{4}\)" roofing nail through every other pre-punched hole on the nailing fin. Make adjustments in nail size for different sheathing thickness or applications.

Step 3 - Now that the frame is secured, proceed to Procedures 3-8 (pages 4-8) in this installation manual.

Note: When the required DP rating exceeds 25, it is recommended to provide additional anchorage in the jambs.

12  BRICKMOLD INSTALLATION

Step 1 - Apply a line of sealant along the channel that will snap into the brickmold or brickmold accessory groove.

Step 2 - Snap brickmold or brickmold accessory into channel of patio door frame.

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