**INSTALLATION INSTRUCTIONS**

**FOR INSWING STORM DOOR**

**Tools & Materials You Will Need:**

<table>
<thead>
<tr>
<th>Tool/Item</th>
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<tbody>
<tr>
<td>Measuring Tape</td>
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<tr>
<td>Hammer</td>
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<tr>
<td>Level</td>
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<tr>
<td>Hacksaw</td>
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<tr>
<td>Pliers</td>
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<tr>
<td>Drill Bits - $\frac{3}{32}$, $\frac{5}{16}$&quot;</td>
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<tr>
<td>Power drill</td>
</tr>
<tr>
<td>Square</td>
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<tr>
<td>Stiff Utility Knife</td>
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<tr>
<td>Pencil</td>
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<tr>
<td>Soft Mallet</td>
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<tr>
<td>Phillips and Flathead Screwdrivers</td>
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</tbody>
</table>

**Installation Screwpack Contents:**

<table>
<thead>
<tr>
<th>Screwpack Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1) pk #8 x $\frac{1}{2}$&quot; Phillips Washer Head screws</td>
</tr>
<tr>
<td>1) pk #6 x 1&quot; Phillips Panhead screws</td>
</tr>
<tr>
<td>1) pk #8 x 1 $\frac{1}{2}$&quot; Phillips Truss head screws</td>
</tr>
<tr>
<td>(2) #6 x $\frac{1}{2}$&quot; Phillips Panhead screws - color matched</td>
</tr>
<tr>
<td>For hinge side z-bar to mount onto door slab</td>
</tr>
<tr>
<td>For exterior mounting of z-bar frame (hinge, latch, and header)</td>
</tr>
<tr>
<td>For hinge side of piano z-bar mounted onto jamb</td>
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<tr>
<td>For bottom expander</td>
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</tbody>
</table>

**REMEMBER: ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.**

**Your Package Should Contain The Following Components:**

Door slab with bottom expander attached to bottom of door slab. Installation z-bars, screw cap covers, vinyl sweeps and hardware kit will ship inside door carton separately from door slab.

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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)
BEFORE YOU BEGIN INSTALLATION

• Inspect your package(s) for any visible damage(s) to the product(s).

• If you have ordered extra optional items, make sure they are in the package before driving to the installation site.

• Make sure you have the appropriate tools before driving to the installation site.

• Make sure your rough opening is clear and free of any debris or rotted wood.

• As always, practice SAFETY and ensure your installation site is a SAFE WORKPLACE.

MEASURE & INSTALL

Step 1- Opening Width: Take three measurements from the inside of the brickmold: top, center and bottom of opening. Round the smallest measurement to the nearest 1/8", then RECORD THIS MEASUREMENT.

Step 2- Opening Height: Take three measurements from top of the opening to the sill: left, center, and right of opening. Round the smallest measurement to the nearest 1/8", then RECORD THIS MEASUREMENT.

Note: Take all measurements from outside the house.

Step 3- With the recorded measurements, verify with bar coded label on cardboard box and paperwork to make sure the size and order information is correct.

Step 4- Carefully unpack the door, cut straps and remove cardboard.

Step 5- Lay door flat down with exterior side down.
1

**MEASURE & INSTALL**

Step 1- Subtract $\frac{1}{8}$" from opening height measurement. Using this result, measure the hinge and latch side z-bars from the top of the door. There are 2" of excess z-bars at the bottom of the door. Your measurement will fall in this area. Mark and cut the z-bars (see illustration).

Step 2- Wipe door slab down with a soft cloth to remove any metal burrs.

Step 6- Remove glass and screen insert(s).

Important! You will receive the door with sash and screen mounted into door frame and secured with sash/screen clip mounted upside down.

Remove the mounted clips and lay aside being careful not to lose the clips.

There will be extra sash/screen clips with thumb-screws inside the hardware box to secure the sash/screen at each rivnut location.

Due to shipping restrictions, minimal sash/screen clips are mounted onto the door in production line. See Procedure 8 on page 7 for remounting the sash/screen clips appropriately.

2

**MEASURE FOR Z-BAR HEIGHT**

3

**ATTACHING HINGE SIDE Z-BAR**

Important! It is extremely important to mount the weatherstripping (of the hinge side z-bar) to the EXTERIOR of the door. This will allow the door to swing inwards.

Step 1- Position door onto its side.

1 Place door on side
**3 ATTACHING HINGE SIDE Z-BAR - CONTINUED**

![Diagram of installing hinge side z-bar]

- **Step 2** - Position z-bar ¼" above door and attach using #8 x ½" Philips washer head screws through countersunk holes located on piano hinge.

  If more support is needed, additional screws can be added at this time.

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**4 INSTALLING BOTTOM EXPANDER**

![Diagram of installing bottom expander]

- **Step 1** - Insert the vinyl sweep(s) into groove(s) at the bottom of the expander and pull it to the other end. See illustration for location of sweeps by model type.

- **Step 2** - Pinch the ends of the sweep groove(s) with pliers so the sweep will not pull out (see illustration).

  **Note:** The vinyl sweep is packaged in the hardware kit. If the vinyl sweep has become kinked during shipment, place it in boiling water for 3 minutes and the sweep will return to its original shape.

- **Step 3** - Cut off the excess vinyl with scissors or a knife.

- **Step 4** - Slide the bottom expander over the bottom of the door, pushing it onto the door as far as it will go.

  **Do not install the screws.** The screws will be installed at time of final adjustment.

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**DO NOT INSTALL bottom expander screws at this time**
**5 INSTALLING DOOR INTO OPENING**

*Important!* It is very important to make sure door is centered into opening. It may be necessary to shim behind the z-bars in order to properly center the door.

**Secure the Door Into Opening**

**Step 1** - Tilt the door into the opening making certain to center the door.

**Step 2** - Hold the door firmly in position and drill a $\frac{3}{32}$" pilot hole through the very top of hinge side z-bar mounting hole (screw cap cover channel) and install (1) #6 x 1" screw.

**Step 3** - Using a level, make sure the z-bar runs straight up and down, then drill and install the remaining screws.

**Attaching Header Z-Bar**

**Step 4** - Holding the z-bar header in place, drill a $\frac{3}{32}$" pilot hole into the top trim board or brickmold through header mounting hole, maintaining approximately $\frac{1}{8}$" clearance between z-bar header and door.

**Step 5** - Fasten the header firmly in place using #6 x 1" Phillips Panhead screws.

**Attaching Hinge Side Z-Bar**

**Step 6** - Check and make sure the door operates properly.

**Step 7** - With the door open, locate the pre-drilled mounting holes in the z-bar and drill $\frac{3}{32}$" pilot holes through the mounting holes and install the #8 x 1 $\frac{1}{2}$" Phillips Truss head screws.

*Important!* Do not overtighten the screws!

**Attaching Latch Side Z-Bar**

**Step 8** - Cut and install latch side z-bar maintaining approximately $\frac{1}{16}$" clearance between the door and the z-bar.

**Step 9** - Fasten with #6 x 1" Phillips Panhead screws.
6 FINAL ADJUSTMENTS TO BOTTOM EXPANDER

Step 1- Adjust bottom expander.

Step 2- Center pilot hole in slot of expander.

Step 3- Secure with (2) #6 x ½” color matched screws.

7 INSTALLING HARDWARE KIT

Caution: It is very important that you do not use a powertool to install the handleset (see illustration of label that is on your hardware box).

Step 1- Remove template from handleset box and read manufacturer’s instructions carefully.

Step 2- Before drilling for the handleset template, make certain the door slab is square in the opening.

Step 3- Proceed with installation of handleset.

Step 4- Mount the inswing strike on top of the screw cap cover and screw through the screw cap cover, screw cover channel and into brickmold using the (2) #6 x 1” Flathead Self tapping screws provided in the hardware box (see illustrations).

Step 5- Install closer according to manufacturer’s instructions in the closer box. It is very important to set the closer as prescribed for optimal operation! (See manufacturer’s instructions). There will be an inswing closer bracket inside the hardware box.

For optimal performance, it is recommended the closer bracket be installed at the top of the door as illustrated.
**FINAL ADJUSTMENTS**

**Step 1** - Re-insert glass or screen insert(s). Remount the sash/screen clips with the longest leg securing the sash/screen to frame of door. Additional sash/screen clips will be found inside the hardware box.

**Step 2** - Cut screw cap covers with a hacksaw sized to length of the z-bars for both vertical and horizontal pieces.

**Step 3** - Insert screw cap covers by using a soft mallot or gently tap the screw cap cover into the channel.

**Step 4** - Close door and inspect for proper fit and lock up.

![Diagram of screw cap covers]

**Note:** Soap or other non-oily product can make the screw cap covers easier to install.

**CLEANING & MAINTENANCE**

**Glass Sash(s):**
To Clean the Glass Area that Contains Clear Glass or a Sungate 500® Low-E Coating:

- Use a soft, clean, high-absorbent, lint-free cloth.

- Utilize a 50/50 mixture of isopropyl alcohol (rubbing alcohol) and water. This evaporates more slowly than typical cleaners and will keep streaking to a minimum.

- Spray the cleaning solution on the glass surface to be cleaned. **Important!** do not wash the glass in direct sunlight.

- Wipe the cleaning solution off the glass using a circular motion applying light to moderate pressure to remove dirt residue.
CLEANING & MAINTENANCE - CONTINUED

Glass Sash(s) Continued:

• If this solution does not remove the dirt as desired, any household cleaner can be used; e.g., Windex™, Sparkle™, 409™, etc.

• If the household cleaners are used, reduce the area to be cleaned to more easily allow removal of the solution prior to evaporation (which is the cause of streaking). If streaks occur, reduce the area further.

• Products which foam or lather will help slow the evaporation of the cleaning solution and allow time to remove the residue. They may help ‘lubricate’ the surface which will give the cleaning cloth a more familiar feel, similar to uncoated glass.

To Clean the Aluminum Paint Finish:

• Wash with a mild soap and water and treat like your new car finish.

• If finish is accidentally scratched or chipped, use touch up paint available from your dealer.

• To protect the finish, we recommend spraying the finish with a vinyl protector such as Armor-All® or use a high-quality auto wax and polish the surface.

For Decorative Brass Inlay:

• Brass inlay will naturally oxidize with the outside elements. To keep the brass finish looking new, use a brass cleaner, such as Bon-Ami® brass cleaner.

For Brass Handlesets:

If you purchased a handleset with a Bright Brass, Bright Brass Look or Satin Nickle Finish, these finishes are warranted against tarnishing for as long as you own and live in the home in which the product was installed. The mechanical defects are warrantied for a period of (1) year from date of installation.