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THINGS TO KNOW

Hazard Notations

- Mistakes or misuse could cause damage to the product or result in a faulty installation.
- Heavy object. Unassisted lifting may cause injury.
- Information on helpful tips and procedures.

Tools needed

- #2 Phillips Screwdriver
- Pry Bar
- Drill
- Square
- Tape Measure
- Fine Tooth Chop Saw
- Safety Glasses
- Utility Knife
- Level
- Hammer
- Mallet

Supplies needed

- Construction Adhesive
- Flashing
- Shims
- Staples
- Low Expanding Foam
- Door Pan

SAFETY & HANDLING

- Understand ALL manufacturer’s instructions before beginning to install your WinDor product.
- Do not work alone. Use safe lifting techniques.
- Always wear your P.P.E. (e.g. safety glasses, gloves, ear protection, etc.).
- Use caution when handling glass.
- Operate hand/power tools safely and follow the manufacturer’s operation instructions.
- Do not put stress on corners of frames.
- Store door in a well-ventilated area in a vertical, leaning position to allow air circulation.
- Protect from exposure to direct sunlight during storage.
- Install only into vertical walls and when conditions and sheathing are dry.

HOW TO CHECK PLUMB, LEVEL AND SQUARE

A & B - Cross tape measurements to verify the opening is square.

C - Threshold level, free of any crowns and sags.

D - Plumb vertical jamb.

E - Plumb vertical exterior portion of the wall.
GENERAL INSTALLATION INSTRUCTIONS

1. INSPECT PRODUCT AND CARE
   - Carefully remove any shipping materials. (e.g. corner covers, shipping blocks, plastic wrap, etc.)
   - Check for any cosmetic damages.
   - Correct product. (size, color, handing, etc.)
   - Use provided QC check list to make sure all parts are accounted for in the hardware box.

If any of the above conditions are a concern, contact your dealer or Distributer for recommendations prior to installation.

2. INSPECT THE ROUGH OPENING
   - Verify the width and height of the opening for proper clearance.
   - Verify the opening is square by measuring diagonally from one corner to the other on both sides.
   - Verify the opening is level and plumb.

These steps are important to acquire a trouble-free installation. If these conditions are not met, you will need to adjust accordingly.

FRAME INSTALLATION

1. Clean and level the threshold thoroughly.
2. Flash opening according to AAMA standards.
3. Apply sealant to threshold and surrounding areas, as needed, according to industry standards.
4. Place the door frame into the opening and walk across the threshold enough to be certain the frame is firmly on the threshold, free of any humps due to the sealant under it.
5. With the frame screws provided,(Fig. A) secure the four corners and one in the middle to eliminate sag in the header and misreading’s when cross taped for squareness. (Fig. B) (Place screws in the outer most track so that they will be hidden behind caps and the O panel)

**FAILURE TO PROVIDE AN ADEQUATE PAN, WITH A WOOD THRESHOLD, WILL VOID ITS WARRANTY.**

It is necessary to have assistance when carrying the unit as well as removing and installing the panels.

Proper steps must be taken when flashing and applying sealant to ensure proper waterproofing of the unit.
In a perfect world both reveals should mirror each other and be perfectly straight the length of the jamb. If they are not you will need to first check plumb, level and squareness of the frame before continuing on troubleshooting the issues.

**Possible issues:**

- Reveal on the right, panel to jamb, has 1/4 inch gap on the top corner but bottom corner has no gap. Left, panel to jamb, has a perfect reveal top to bottom. In this case pull the top of the frame to the left to split the difference and mirror the reveals. Now there is 1/8 inch gap on top and zero on the bottom on the right side and left side. Place an appropriate shim under the threshold in the middle of the frame. This will fix both reveals at the same time.

- Reveal on the right, panel to jamb, has zero gap on the top corner but the bottom corner has 1/4 inch gap. Left, panel to jamb, is perfect top to bottom. -Check for humps in the center of the threshold or even dips in the corners.

Any time you do any adjustments to the threshold with shims or just moving it one side to the other, always put the level back down and check the threshold for any humps or dips before continuing.
13. Install the hardware on your X panel. (see hardware diagram P. 10 & 11). *ITS SUGGESTED TO USE SOME SORT OF THREAD LOCKER ON THE HARDWARE PLATE SCREWS*

14. Lock the keeper onto the door panel. Slide the door near the locking side jamb and mark the frame where the height of the lock is positioned. (Fig. G)

15. Unhook the keeper from the panel and set it in the jamb lining it up with the pencil mark transferred to the frame. Use the dye line in the center of the pocket for the center reference; mark the center of the top and bottom holes of the keeper onto the frame.

16. Secure the keeper onto the frame with the keeper screws provided. (On 2750 doors there will be a shim for the keeper, depending on how the door operates, it may not be used on every application) Slide the panel close to the frame to check that the frame reveal is still perfectly straight with the panel.

**Do not over tighten and bow the frame.**

Check the jamb for any bows.

17. Close the X panel and test out the lock. Do this multiple times to make sure your door is sliding and locking easily.

18. With the keeper installed and locking correctly finish off the last two screws.

* 2750-Place the upper middle screw at the bottom of the oval hole and the lower middle screw at the top of the oval hole.
* 3750-Place the screw at the top of the middle hole.

When doing this it will lock the keeper in place which in turn will help eliminate service issues in the future.

19. Place shims between the framing of the opening and the doors frame. Make sure shims are in nice and snug to eliminate any movement. (Fig. H)

When installing any hardware always use a #2 Philips hand screwdriver

**IMPORTANT NOTE** - If installing standard hardware with no key lock, this must be used (Fig. I) in place of the key lock. Failure to do so could compromise the security of the product.

**Depending on the style of the door your keepers and screws will vary. See page 14 for different styles for different applications.**
LOCK MECHANISM ADJUSTMENTS

On the panel lock mechanism there is an adjustment to move the hooks in or out. There should be some play in the lock. If there is not then there is a possibility there will be locking issues in the future due to thermal expansion.

Adjusting the play in the Lock
On the face of the lock there will be a Flat head adjustment screw. Depending on the lock, there may be one or two adjustment screws. NEVER USE A DRILL. ALWAYS USE A 3/16” HAND SCREWDRIVER AND DO NOT OVER TORQUE.

Single screw adjustment—Clockwise will move both hooks tighter to the panel and counterclockwise will move them further from the panel.
Double screw adjustment—Each adjustment works independently for each hook. Clockwise will move the one hook tighter to the panel and counterclockwise will move it further from the panel.
20. Place shims between the framing and new door frame every 16 inches on the jambs and every 24 inches on the header.

21. Install the fixed O panel in the outer track on top of the setting blocks. Before securing the panel in place make sure the X panel is completely in the strike side jamb pocket. Slide the O panel back so that the interlocks are engaged but the X panel is still fully in the pocket. Adjust the O panel accordingly so the X panel has enough clearance to lock properly. **There is a possibility you MAY need to remove the Fixed Panel 1/4-inch shim from the jamb pocket. (See frame exploded view page 12)**

22. With the fixed panel screws provided (Fig. J), secure the O panel. Place screws into the parting bead where the weather strip is located. (Fig. K)

23. Install the jambs interior O panel cap, this will hide the panel screws making for a clean finish. (Fig. L)

24. Install the patio door bumpers. The top bumper will fit as is. The bottom will need some modifications to be able to clear the bottom of the interior O panel cap. Use some snips or a utility knife and carefully cut the bottom legs just above the flair out of the bumper. This will give just enough clearance so the bumper can slide under the cap. (Fig. M)

25. Now install the exterior caps for the X panel side. Install the jamb side cap. (Fig. N)

26. On the top and bottom cap one end will be cut at 5 degrees; that end needs to be towards the jamb. These caps need to be trimmed down so there is 1/8-inch gap to allow for expansion and contraction.
27. On new construction doors, finish off the screws on the nail fin as well as the sealant and flashing according to industry standards.

28. Install button plugs in any 3/8 inch pre-drilled hole, including the wheel adjustment holes.

The interior O panel side cap and exterior X panel side cap are two different profiles. Make sure these two are not mixed up and that they are installed in the correct pocket.
SLIDING DOOR
INSTALLATION INSTRUCTIONS

STANDARD HARDWARE WITH KEY LOCK

H-1577 Outside handle

H-1093 Thumb Turn

H-2871 Keyed Cylinder

H-1406 Inside Handle

2-8 x 32 x 54 mm Screws
SLIDING DOOR
INSTALLATION INSTRUCTIONS

SIGNATURE SERIES WITH KEY LOCK

STEP 1
MEASURE DOOR THICKNESS.

STEP 2
DETERMINE THE PROPER LENGTH OF MOUNTING SCREWS.

<table>
<thead>
<tr>
<th>DOOR THICKNESS RANGE</th>
<th>#8-32 PHILLIPS SCREW LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 3/16 TO 1 9/16</td>
<td>1.750</td>
</tr>
<tr>
<td>1 9/16 TO 1 15/16</td>
<td>2.125</td>
</tr>
<tr>
<td>1 15/16 TO 2 5/16</td>
<td>2.600</td>
</tr>
</tbody>
</table>

STEP 3
LOCK CYLINDER / ESCUTCHEON ASSEMBLY

STEP 4
SIZE TAIL PIECES TO SUIT DOOR THICKNESS

STEP 5
BREAK OFF TAIL ENDS WITH PLIERS

DETERMINING TAIL PIECE BY FINDING BREAK MARK CLOSEST TO 1/2 DOOR THICKNESS MAX.

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SLIDING DOOR INSTALLATION INSTRUCTIONS

*Tags shown are - Open Janela Stile Grille
- Open Janela Description

*Silicone caulking is used in the installation of the applied interlock to the sash.
SLIDING DOOR
INSTALLATION INSTRUCTIONS

Provided Supplies

- 3750 Keeper Screws
- 3750 Keepers
- 3750 Astragal
- KEEPER SCREWS
- 3750 Keepers
- 3750 Astragal
- KEEPER SCREWS
- 2750 Keeper Screws
- 2750 Keepers
- 2750 Astragal
- KEEPER SCREWS
- 2750 Keepers
- 2750 Astragal
- KEEPER SCREWS
- Fixed Panel Screws
- 2750 KEEPER SHIM
- Frame Install
- SCREWS