

# Knock Down Patio Door

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## Assembly Instructions

*Regular & Impact*

72" x 80" · 72" x 82" · 72" x 96" · 96" x 80" · 96" x 82" · 96" x 96"



**IMPRESS THE WEATHER**



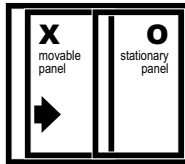
# KD Patio Door Regular & Impact

Sizes – 72" x 80" · 72" x 82" · 72" x 96" · 96" x 80" · 96" x 82" · 96" x 96"

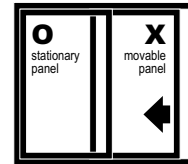
For 3- and 4-Panel Doors please go to [viwinco.com/how-videos-and-guides](http://viwinco.com/how-videos-and-guides) to watch assembly videos

## Patio Door Handing Options

**Left-Hand  
Operation**  
Viewed from  
outside



**Right-Hand  
Operation**  
Viewed from  
outside



## Materials Supplied (Packing List)

- |   |  |
|---|--|
| ___ 1 Frame Head                              | ___ 1 Fixed Door Panel   |
| ___ 1 Frame Sill                              | ___ 1 Operable Door Panel<br>with Interlock                        |
| ___ 2 Jambs<br>(1 right jamb and 1 left jamb) | ___ 2 Sash Stops   |
| ___ 1 Vinyl Sill Riser                        | ___ 1 Packet of Assorted Screws<br>(see selection of screws below) |
| ___ 1 Panel Interlock                         | ___ 2 Frame Screw Snap Covers                                      |
| ___ Frame Gasket Set (2 gaskets)              | ___ Screen Keeper (w/screws x2)                                    |
| ___ 2 Aluminum Fixed Snubbers<br>for Jamb     | <b>For OceanView Patio Doors Only</b>                              |
| ___ 2 Fixed Panel L-Brackets                  | ___ 1 Additional Aluminum<br>Fixed Snubber for Head                |
| ___ 1 Aluminum Threshold Cover                | ___ 1 Interlock Brackets   |
| ___ 1 Box with Handle Kit Set                 | <b>For Patio Doors with<br/>Aluminum Sills</b>                     |
| ___ 1 Jamb Cover - stock length/field fit     | ___ 1 Baffle   |
| ___ 1 Snap Cover                              |  |

## Tools/Equipment Needed

- |   |                                  |
|---|----------------------------------|
| ___ Tape Measure  | ___ Step Ladder                  |
| ___ 4' Level  | ___ Wire Cutters<br>or Tin Snips |
| ___ Gun with Phillips<br>Head Bit   | ___ Drill Bits                   |
| ___ Hand Drill  |                                  |
| ___ Caulk Gun   |                                  |
| ___ Clear Silicone Caulk  |                                  |
| ___ Rubber Mallet   |                                  |
| ___ Plastic Shims<br>(breakaway type horse<br>shoe shims are ideal)               |                                  |
| ___ Rubber Mallet   |                                  |
| ___ Suction Cups -<br>Used to install door<br>panels into jamb on<br>impact doors |                                  |

## Handle Kit Set

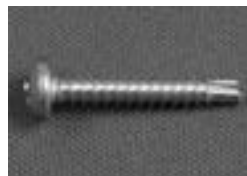


Handle Kit - non-keyed

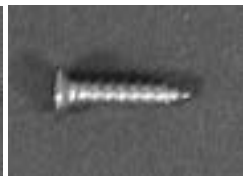


Handle Kit - keyed

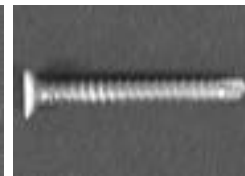
## Assorted Screws



**Interlock Screws**  
#8 – 1" x 8  
Pan Head  
Self-Tapping Screws



**Jamb Cover Screws**  
#6 – 3/4" x 8  
Phillips Flat  
Head Screws



**Sill Riser Screws**  
#6 – 1-1/4" x 3  
Phillips Flat  
White Head Screws



**L-Bracket Screws**  
#8 – 3/4" x 8  
Phillips Flat  
Head Screws



**Frame Screws**  
#8 – 2-1/2" x 12  
(3 per corner)



**Screw Snap  
Covers x 2**



**Screen Keeper  
w/Screws**



**Baffle x 1**  
(Patio Doors with  
Aluminum Sill)

# Frame Assembly Instructions

**1 Preparing Your Work Space**


Prepare a flat work space for the door frame assembly. Remove the door frame pieces and all components.

**NOTE: REFER TO PACKING LIST TO ENSURE THAT ALL LISTED MATERIALS ARE INCLUDED.**

**2 Frame Assembly**

Remove and layout the vinyl head, sill, and the two side jambs.

**NOTE: BE SURE YOU CLEAN ANY DIRT OR DEBRIS FROM THE END SURFACES OF THE JAMBS.**



**! IMPORTANT** WHEN ASSEMBLING THE FRAME MAKE SURE YOU ATTACH THE LEFT AND RIGHT JAMB TO THE CORRECT SIDE OF HEAD AND SILL.

**3 Installing Frame Gaskets**

Remove the two frame gaskets from the paper backing. Apply one gasket on each end of the sill profile. Proper gasket alignment is critical to prevent water from entering through the frame corners.

**IMPORTANT NOTE: DO NOT INSTALL THE FRAME GASKETS IF DAMAGED. CALL YOUR SALES REPRESENTATIVE.**


**4 Applying Silicone**

Apply a bead of silicone to each end cut of the head and sill.

**5 Attaching Jamb to Sill and Head**

Start by hand screwing three #8 – 2-1/2" screws into each end of the jamb to allow proper alignment and prevent damage to the gasket on the sill while fastening.

**IMPORTANT NOTE: DO NOT OVER TIGHTEN THE SCREWS. THIS COULD CRUSH THE VINYL FRAME MEMBERS AND DAMAGE FRAME. BE SURE TO MATCH ALL THREE HOLES IN FOUR LOCATIONS.**




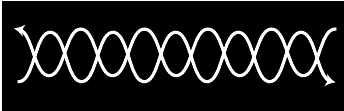
**6 Applying Silicone**

Apply silicone around butt joint of head and sill jamb.

**7 Check Rough Opening**

**7a.** Check rough opening for proper size before installing frame. Check to be sure the sill is level. If the sill is not level correct at this time.


**7b.** Once the sill is level apply a minimum 1/2" bead of silicone caulking across the sill of the opening in a crisscross pattern before installing the frame.

**8 Frame Installation**

Carefully move the frame into the opening. Shim the frame so it is plumb, level, and square. At this point leave head screws out until fixed panel is installed.

**IMPORTANT NOTE: INSTALL FRAME PER INDUSTRY STANDARDS AND APPLICABLE INSTALLATION INSTRUCTIONS.**



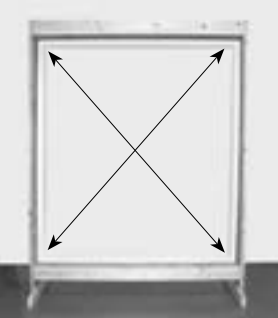
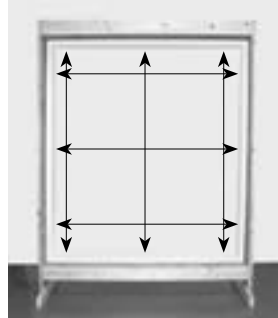
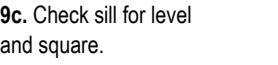
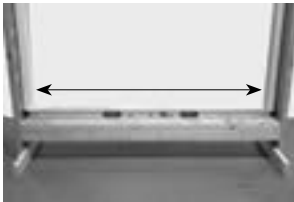
**9 Double Check**

**9a.** Check a second time to be sure the frame is square.

**9b.** Check the height and width in three locations each way to be sure the measurement is correct. Shim if necessary.

**9c.** Check sill for level and square.

**9d.** Make sure there is no bending of frame.

# Door Assembly Instructions

1

## Caulk

Apply caulking on both sides of the sill.



2

## Install Sill Riser

On the fixed side of the door frame snap in the sill riser.



**NOTE: DO NOT SCREW IN AT THIS POINT.**

3

## Install Fixed Jamb Snubbers

Install the two fixed jamb snubbers to the jamb of the fixed side of the door. Use #6 – 1-1/4" Flat Phillip Head Screws (white).



For OceanView Impact Door add top impact snubber.

**IMPORTANT NOTE FOR OCEANVIEW/IMPACT DOOR INSTALLATION: YOU WILL NEED TO ADD A SNUBBER TO THE CENTER HEAD MATCHING WITH THE CENTER OF THE FIXED DOOR.**

4

## Screw Sill Riser

Screw the sill riser into the sill. Use #6 – 1-1/4" Flat Phillip Head Screws (white).



5

## Installing Fixed Panel L-Brackets

Tap one L-bracket in the top and one L-bracket in the bottom of the fixed panel.

**NOTE: TRIM THE CORNERS OF THE FIXED DOOR PANEL IF NEEDED.**



6

## Silicone Caulk

Run a bead of silicone caulking down both fixed jamb snubbers.

**NOTE: ALSO RUN A BEAD OF SILICONE CAULK ACROSS THE TOP SNUBBER FOR OCEANVIEW DOORS.**



7

## Installing Stationary Panel

Leave the head install screws out to allow enough clearance for stationary panel. Lift the door panel in the center of head and slide into jamb. Slide the door over into place.

**IMPORTANT NOTE: IF THE DOOR IS AN IMPACT DOOR TWO PEOPLE WILL NEED TO LIFT THE DOOR PANEL INTO PLACE (USE SUCTION CUPS IF NEEDED).**



8

## Clamping Door Panel to Frame

Be sure the door panel is all the way into the frame. Clamp the door panel to the jamb at the top and bottom.

**NOTE: BE SURE THE PANEL IS ALL THE WAY INTO THE FIXED JAMB BRACKET.**



9

## Installing the Fixed Panel L-Brackets to Sill & Head

Screw the L-bracket into the sill and head.



**NOTE: USE #8 – 3/4" FLAT PHILLIP HEAD SCREWS.**

### 10 Checking Head and Reveal

Measure the reveal from head to edge of stationary panel. Check this measurement at both ends and middle of stationary door panel to be sure it is flat and leveled.



### 15 Drilling Holes in Panel Interlock

Pre-drill holes every 12" in the interlock channel, follow the groove to allow room for cover.



**NOTE: USE A 1/8" DRILL BIT TO DRILL HOLES.**

### 11 Fastening Head to Rough Opening

Once the door panel is leveled and installed, fasten the head to the rough opening.



**NOTE: ENSURE SQUARENESS IS MAINTAINED.**

### 16 Securing Panel Interlock

Screw the interlock to the stationary door panel.



**NOTE: SECURE WITH #8 - 1" SELF-TAPPING SCREW.**

### 12 Installing Panel Interlock

Slide the panel interlock into the end of the stationary panel. Use a mallet to tap into place. Trim the weatherstripping to the size of interlock.



### 17 Install Frame Snap Cover

Snap the snap cover into the interlock.



**NOTE: TRIM THE SNAP COVER IF NECESSARY.**

### 13 Trim Weatherstripping

Trim extra weatherstripping if necessary.



### 14 Check Stationary Door for Level

Check the stationary door to be sure it is level.

### 18 Install Sash Stops

Snap the sash stop into the top and the bottom of the inside jamb.



19

### Fasten Stationary Jamb

Screw in stationary jamb at weatherstripping.

**NOTE: EVERY 12" SCREW A #6 - 3/4" PHILLIPS FLAT HEAD SCREW FROM TOP TO BOTTOM.**



22

### Install Jamb Cover

Snap in the jamb cover on the outside of the patio door.

**NOTE: TRIM JAMB COVER ON BOTTOM AT THRESHOLD FOR A TIGHT FIT.**



20

### Install Jamb Cover

Snap in the jamb cover on the inside of the patio door.

**NOTE: TRIM JAMB COVER IF NECESSARY.**



23

### Install Active Door Panel

Place the active door panel into frame.

**NOTE: BE SURE THE WHEELS AT THE BOTTOM OF THE DOOR PANEL ARE RAISED INTO THE DOOR FOR EASY INSTALLATION.**



21

### A.) Install the Baffle - Aluminum Sill Only

Install the baffle before installing the threshold.



24

### Leveling Sliding Door

Adjust the door by turning the two screws at the bottom of the door.

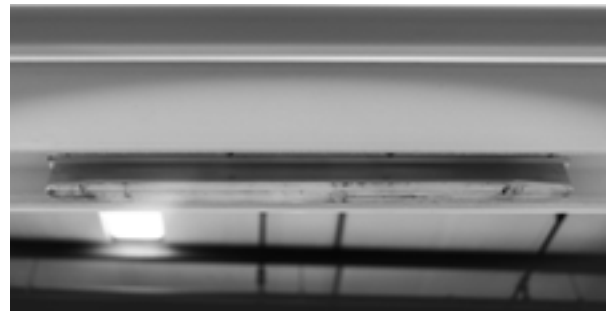
**NOTE: CHECK THE DOOR WITH THE JAMB FOR PLUMB.**



25

### Laminate Vinyl Patio Doors Only

Install 1 Interlock Bracket into the top channel of the operable track



### B.) Install Threshold Cover

Snap in threshold cover. Push the threshold cover tight against stationary door.



**NOTE: MAY NEED TRIMMING FOR TIGHT FIT.**

# Lock Assembly Instructions

## 1 Cut Cylinder Tailpiece and Insert Into Handle

Cut the tailpiece at the second notch from the cylinder and place the cylinder into the exterior handle.



## 2 Install Exterior Handle and Backplate

Insert the exterior handle to the outside of the door as seen in the picture.



## 3 Insert the Two Screws

Place the back plate to the inside of the door and insert two screws through the backplate into the exterior handle.



**NOTE: DO NOT TIGHTEN SCREWS.**

## 4 Check Alignment

Insert the lever through the backplate. Move the lever in both positions while the key is in the vertical position for alignment.



## 5 Tighten Screws

If the alignment is good tighten the two screws.



## 6 Secure Interior Handle

Insert two screws through the side of the interior handle and tighten.



## 7 Strike Installation

Align the strike to the lock, mark the location on the jamb and install the strike to the door jamb.

**NOTE: CHECK TO BE SURE THE LOCK FUNCTIONS PROPERLY AFTER INSTALLATION OF STRIKE.**



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02/2018