

Unassembled Patio Door Installation Guide

3-Panel Door

50 Series



americancraftsmanwindows.com

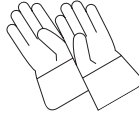
Project Requirements:

- Failure to follow these instructions may void product warranty.
- Read guide before starting installation. Read all warnings and cautions during installation.
- Due to ongoing product changes, updated test results and/or new industry best practices, this installation procedure may change over time. Visit the manufacturer's website for current installation instructions.
- Instructions are for typical wood frame wall construction.
- Installation must comply with all applicable building codes.
- Depending on options purchased, this door was manufactured for installation into either a new or existing door opening.
- Wall and sill must be structurally sound and weather-resistant barrier must be adequate.
- Door must be installed to be plumb, level and square.
- Door should be approximately 1/2" less in both width and height than the opening.
- Contact local authorities or waste management companies for proper recycling and/or disposal of removed window or patio door.
- Visit the manufacturer's website for removal instructions, additional installation information and/or guides.

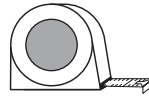
Tools & materials required:



Safety glasses



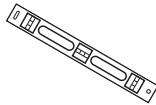
Work gloves



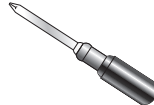
Tape measure



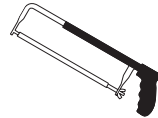
Framer's square



6' level



Phillips
screwdriver



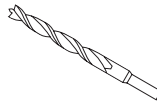
Hack saw



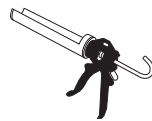
Minimum expanding
foam sealant



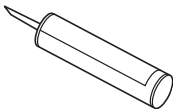
Power driver
and bits



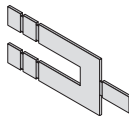
1/2" brad point
drill bit
(Depending upon installation)



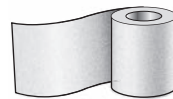
Caulk gun



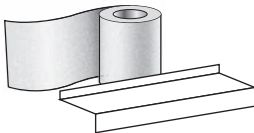
Interior and exterior
window/door grade sealant



Shims



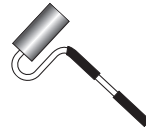
Self-adhesive
flexible flashing
(Minimum 6" wide depending upon
installation)



Formable self
adhering sill flashing
(Minimum 6" wide)
or Sill pan recommended



Removable tape



J-roller

Warnings and Cautions:

⚠ WARNING

Use caution when working at elevated heights and around unit openings. Follow manufacturers' instructions for ladders and/or scaffolding. Failure to do so may result in injury or death.

⚠ WARNING

Follow manufacturers' instructions for hand or power tools. Always wear safety glasses. Failure to do so may result in injury and/or product damage.

⚠ WARNING

Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people to move and install window and door products to avoid injury or product damage.

⚠ WARNING

Sill weep doors are small parts and, if swallowed, could pose a choking hazard to young children.

⚠ WARNING

Support door in opening while shiming. Failure to do so may result in injury and/or product/property damage.

⚠ WARNING

Before, during, and after installation, place all tools as well as any casing or door parts on a drop cloth or in a location that will not pose a hazard to installers, customers, or property.

⚠ WARNING

Unless specifically ordered, windows do not have safety glass, and if broken, could cause injury. Many laws and building codes require safety glass in locations adjacent to or near doors. Windows may be available with safety glass that may reduce the likelihood of injury if broken. Information on safety glass is available from your sales representative.

⚠ WARNING

Contains small parts. If swallowed could pose a choking hazard to young children. Remove and dispose of any loose or easily removed parts.

CAUTION

The use of movable insulating materials such as door coverings, shutters, and other shading devices may damage glass and/or vinyl.

CAUTION

Follow instructions of foam, sealant and flashing manufacturer regarding material application and compatibility with this product.

CAUTION

Do not overdrive screws or nails. Product damage may result.

CAUTION

Do not cover weep holes. Property damage may result.

Warnings and Cautions:

CAUTION

When insulating between unit frame and rough opening or between units when joining, **DO NOT** overpack batt insulation or overfill with foam. Bowed jambs will result affecting product performance and/or proper operation of unit.

CAUTION

Do not apply any type of film to glass. Thermal stress conditions resulting in glass damage could occur.

CAUTION

Do not overfill with low expanding foam or overpack with backer rod to avoid bowed jambs.

CAUTION

Do not drill into or through the sill of the door or product and/or property damage may occur.

CAUTION

Weep holes must face the exterior and must be located at the bottom of the door or product and/or property damage may occur.

CAUTION

Remove or cut ventilation holes in plastic shipping wrap if door is not installed immediately or product damage may occur.

CAUTION

Use masonry screw when fastening directly into masonry or through a buck into masonry.

CAUTION

Do not store doors flat or in the sun or product damage may occur.

NOTICE

Important safety information. Leave this information for the building occupant.

NOTICE

Buildings constructed prior to 1978 may contain lead paint which could be disturbed during replacement. For more information on proper management of lead paint, visit www.epa.gov/lead

Fasteners:

 **WARNING**

Metal fasteners and components may corrode when exposed to preservative-treated and/or fire-retardant treated lumber. Use approved fasteners and components to fasten unit. Failure to do so may cause a failure resulting in injury, property or product damage.

Florida Building Code Approved Fastener Chart

Application	Anchor Type	Anchor Size	Minimum Embedment	Minimum Clearance to Masonry Edge	Minimum Clearance to Adjacent Anchor
1X Buck or Masonry Frame	ITW	1/4"	1-1/4"	2-1/2"	3"
1X Buck or Masonry Frame	ELCO	1/4"	1-1/4"	1"	4"
2X Buck	Wood Screw	#8	1-1/4"	NA	NA

This fastener schedule is provided as an example of fastening requirements. Requirements may vary by product, building type, application and region. Contact your local building code official for requirements in your area.

Finishing, Cleaning and Maintenance Instructions:

CAUTION

Do not stain or paint weatherstrip, vinyl, glass or hardware. Product damage may occur.

- **Read and follow finishing product instructions and warnings on finish material.**

CAUTION

Acid solutions used for cleaning masonry or concrete will damage glass, fasteners, hardware, vinyl and metal flashing.

Protect unit and follow cleaning product instructions carefully. If acid contacts unit, wash all surfaces with water immediately.

CAUTION

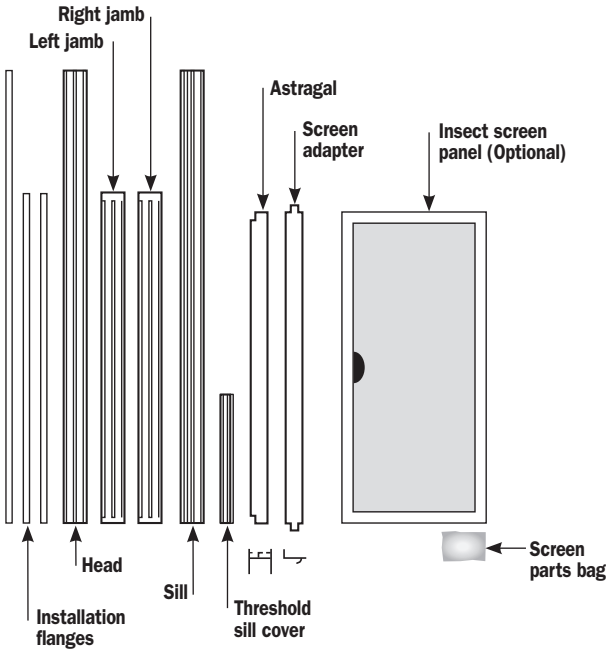
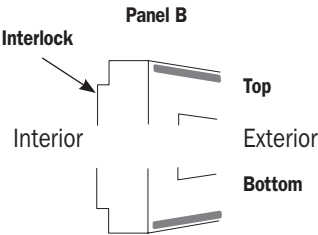
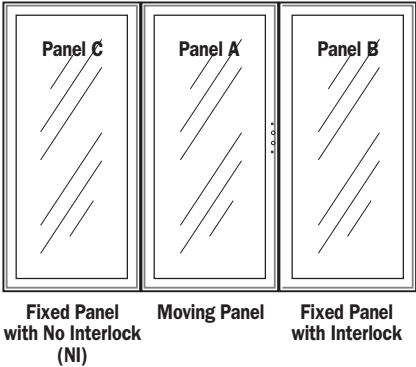
Abrasive cleaners will damage glass and vinyl surfaces.

- **Clean glass using liquid glass cleaner.**
- *Clean exterior frame, sash, and insect screens using mild detergent and water with a soft cloth or brush.*
- *For hard to clean areas use a nonabrasive cleaner, alcohol-and-water or ammonia-and-water.*
- *Do not apply any type of film to insulating glass. Thermal stress and glass damage can result. Shading devices (insulated coverings, shutters, etc.) may also cause thermal stress damage.*
- *For continued weather resistance of sealant joints, follow the sealant manufacturer's recommendations for periodic maintenance.*

Step 1

Inspect new door and verify opening.

Inspect for proper size and condition and verify that all parts are included. Inspect existing wall and rough opening for structural decay. Repair as needed.



Hardware bags

Depending on individual installation requirements, some parts may not be used.



Yellow bag:
 (12) #8 x 2" flat head screws
 (2) installation flange
 corner gaskets

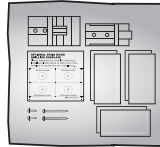


Blue bag:
 (20) #10 x 2" pan head screws



Clear bag:
Handle set:
 (1) interior handle
 (1) exterior handle
 (1) turn lever
 (2) 2" pan head screws

Keeper installation kit:
 (1) jamb keeper
 (2) 2-1/2" pan head screws
 (2) 1/2" truss head screws



Red bag:
 (1) head fixed panel locator
 (2) #8 x 2" pan head truss
 stainless steel (SS) screws
 (1) sill fixed panel locator
 (2) #8 x 5/8" pan head truss
 stainless steel (SS) screws
 (6) fixed panel jamb stops
 (1) drill template



Green bag:
 (2) fixed panel clips
 (4) #8 x 5/8" pan head truss
 stainless steel (SS) screws



Gray bag:
 (1) 3-1/2" panel stop
 (1) threshold filler
 (2) jamb punch covers
 (14) #8 x 3/4" pan head
 stainless steel (SS) screws
 (2) astragal seal (large)
 (2) astragal seal (small)
 (1) astragal keeper

Step 2

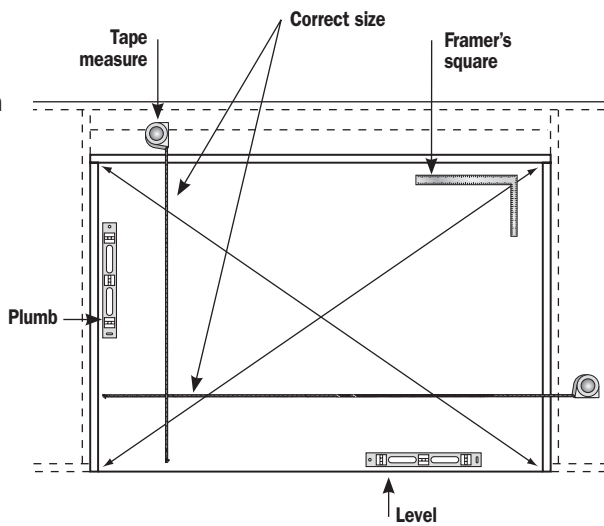
Prepare rough opening.

Inspect opening for correct size. Opening should be $\frac{1}{2}$ " larger than door size in width and height.

Check sill plate for level. Sill **must** be level. If sill is not level, correct before continuing.

Check rough opening for plumb and level. If rough opening is **not** plumb or level, correct as necessary.

Check opening for square by measuring diagonally, upper left to lower right and upper right to lower left corner. Measurements must be within $\frac{1}{8}$ ". If rough opening is **not** square, correct as necessary.



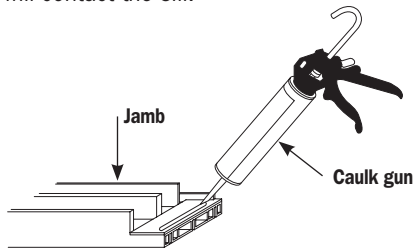
If using installation flange, continue with Step 3 Installation Flange.
If installation flange will not be used, proceed to Step 15 No Installation Flange.

Step 3 Installation Flange

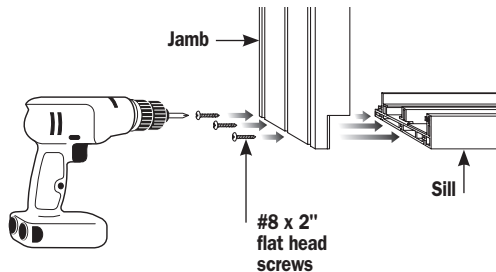
Apply sealant and fasten jamb to sill and head. (Uses yellow hardware bag)

Make sure the tracks line up at all four corners before starting installation.

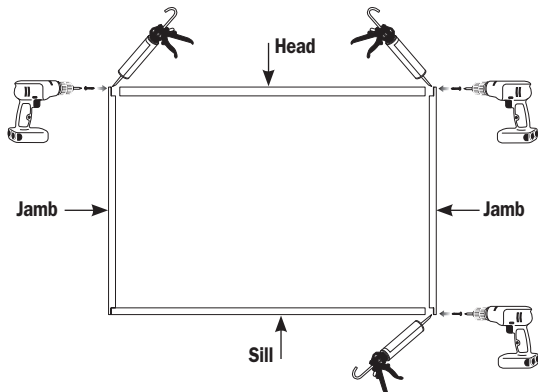
- 1 Apply sealant over foam gasket on jamb where it will contact the sill.



- 2 Fasten jamb to sill with (3) #8 x 2" flat head screws in each location using pre-drilled holes.



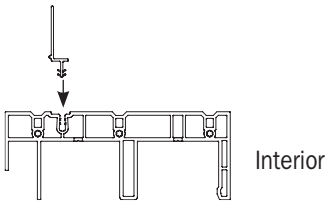
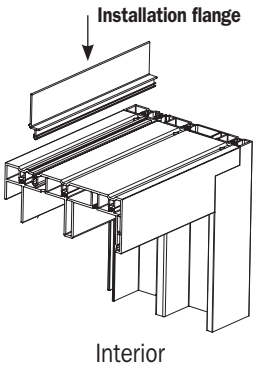
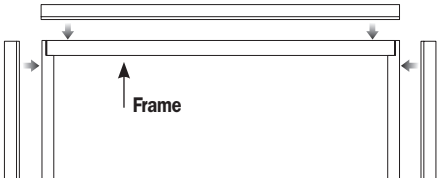
- 3 Repeat in other three corners.



Step 4 Installation Flange

Apply installation flanges.

Place attachable installation flanges into the accessory grooves on both jambs and on the head frame. Make sure installation flange is positioned toward the exterior of the building.

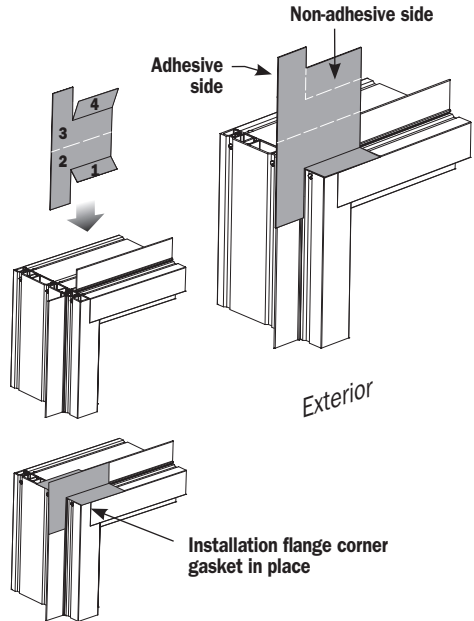
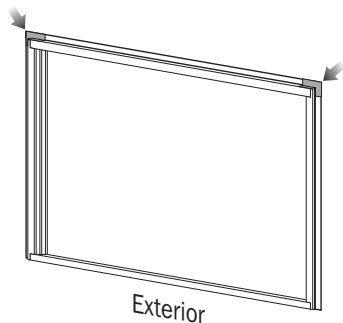


Step 5 Installation Flange

Apply installation flange corner gaskets. (Uses yellow hardware bag)

Remove adhesive backing from one installation flange corner gasket. Position the installation flange corner gasket onto the installation flange. Fold section 1 upwards, then align corner gasket with front and side edges of the door frame and apply sections 1 and 2 simultaneously. Fold section 4 upwards, then fold section 3 over installation flange and apply sections 3 and 4 simultaneously to the door frame.

Repeat process for other corner.

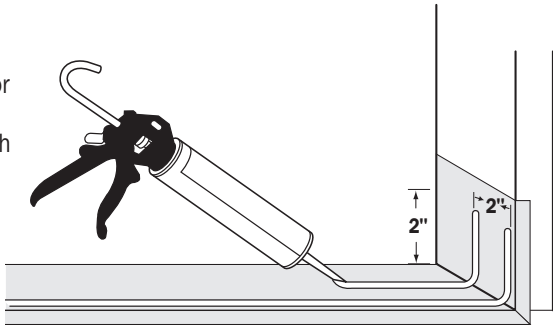


Installation Guide

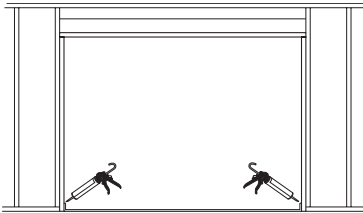
Step 6 Installation Flange

Apply sealant to opening.

Apply two 1/4" beads of exterior window/door grade sealant to sill and 2" up each side of rough opening. The exterior sealant bead should be at the exterior edge of the opening. The beads of sealant should be 2" apart.



Exterior



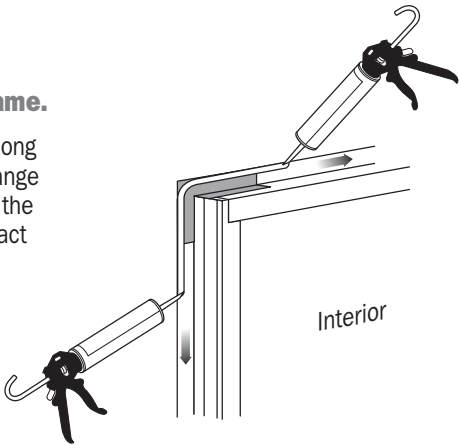
Exterior

It is strongly recommended that you use a membrane or vinyl-based sill pan for a weathertight seal. Follow the sill pan manufacturer's installation instructions.

Step 7 Installation Flange

Apply sealant to door frame.

Apply 1/4" bead of sealant along the edge of the installation flange on the head and jams along the interior side where it will contact the opening.



Interior

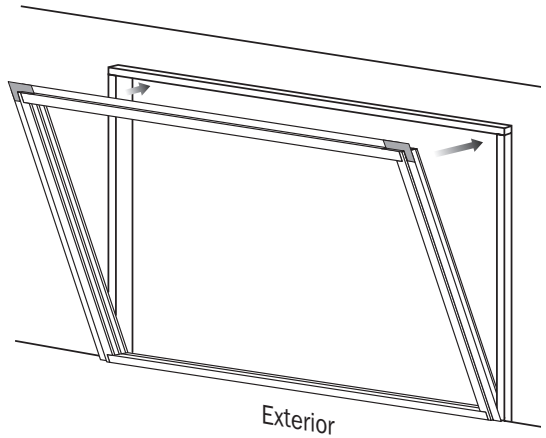
Step 8 Installation Flange

Place door frame in opening.

Place door frame into the opening from the exterior. Place sill of frame into place, then tip head into place.

NOTE: The installation flange is closer to the EXTERIOR side of the frame. The narrow screen track is on the exterior side.

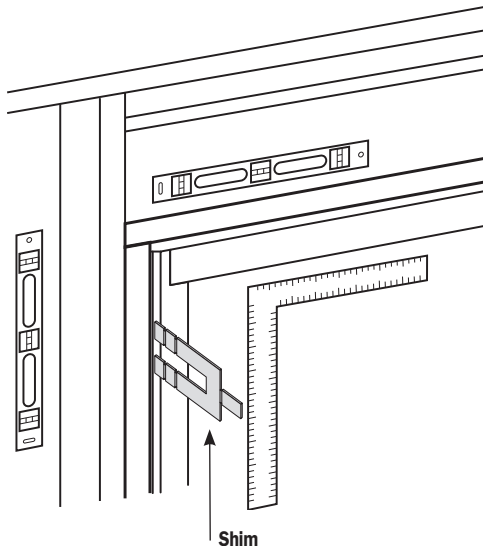
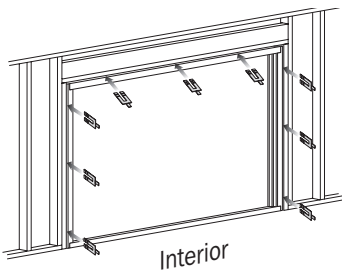
NOTE: Be sure the installation flange and sealant are tight against the exterior substrate before attaching the frame.



Step 9 Installation Flange

Shim door frame.

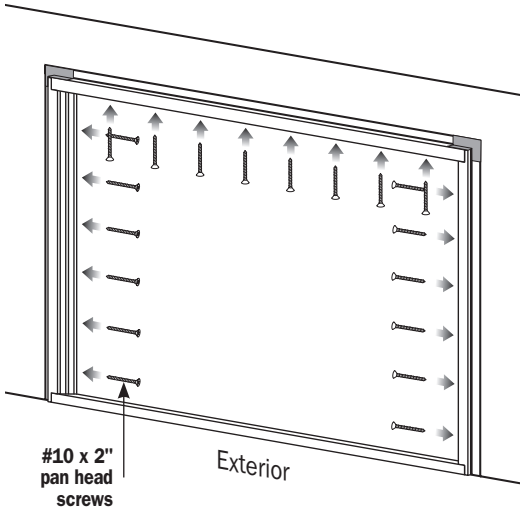
Shim so door frame is plumb, level and square. Shim at all pre-punched holes inside frame.



Step 10
Installation Flange

Fasten door frame.
(Uses blue hardware bag)

Attach door frame to opening using (20) #10 x 2" pan head screws in all pre-drilled holes in interior track of head and jambs.



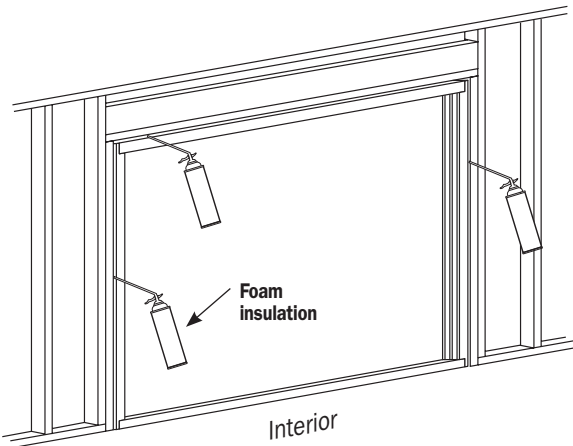
Step 11
Installation Flange

Insulate door frame.

Insulate around door frame.

CAUTION

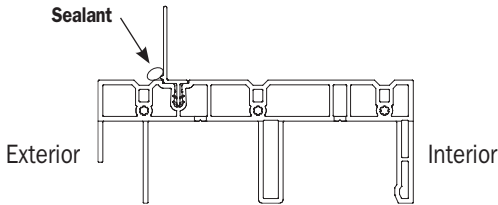
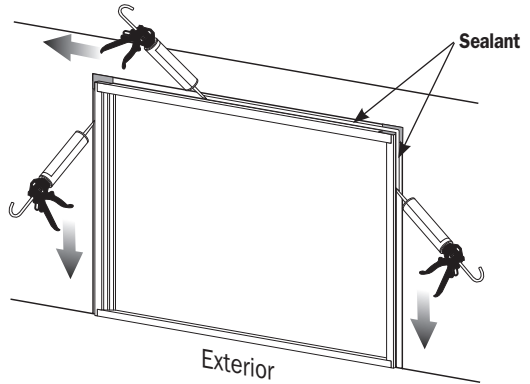
Do not overfill with low expanding foam or overpack with backer rod to avoid bowed jambs.



Step 12 Installation Flange

Seal installation flange to door frame.

Apply sealant where installation flange connects to door frame on head and jambs. Make sure installation flange corner gaskets are fully sealed at the corners.



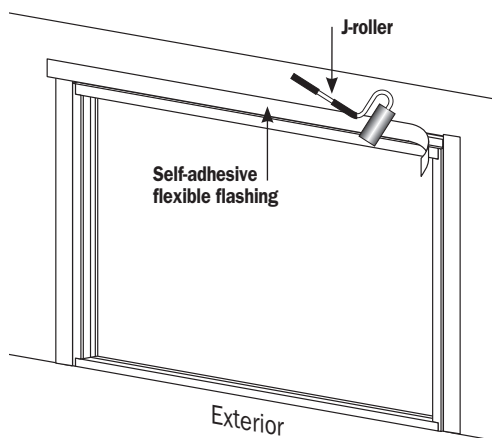
Installation Guide

Step 13 Installation Flange

Apply self-adhesive flexible flashing to cover the installation flange.

Apply to the sides first and make sure it extends beyond the top of the door frame. Then apply to the top, extending beyond the sides.

NOTE: Use J-roller to make sure the self-adhesive flexible flashing bonds properly.

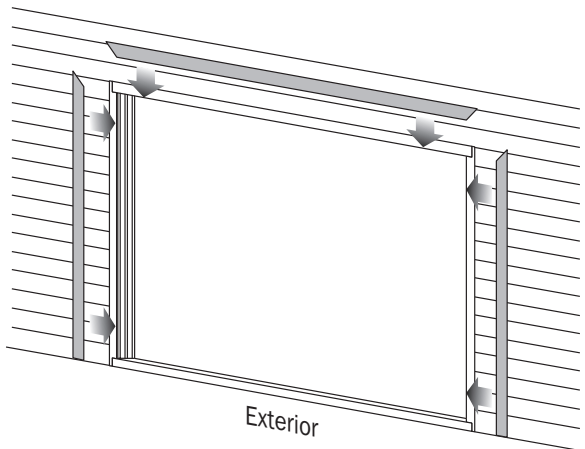
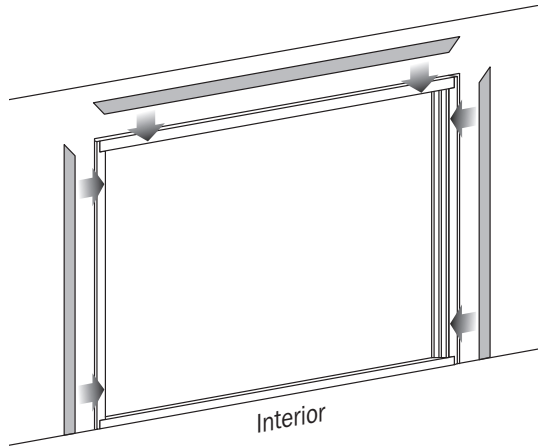


IMPORTANT – To create a weathertight seal, be sure that the flashing fully covers the entire length of the jambs and head of the door frame around the door opening. Pay special attention to the corners to be sure that there are no gaps in the flashing.

Step 14 Installation Flange

Apply trim.

Apply interior and exterior trim as desired. Apply sealant to the perimeter of interior and exterior for a weathertight seal.



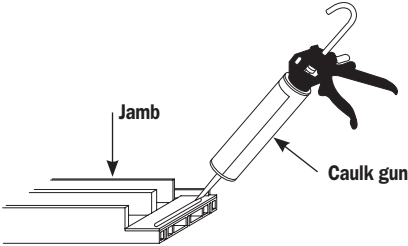
Proceed to Step 22.

Step 15
No Installation Flange

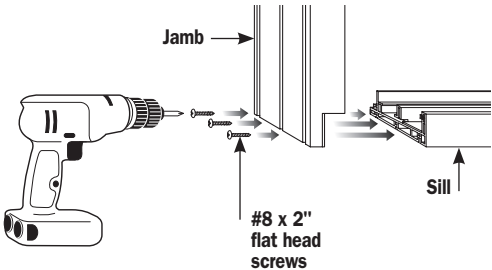
**Apply sealant and fasten
jamb to sill and head.
(Uses yellow hardware bag)**

Make sure the tracks line up at all four corners before starting installation.

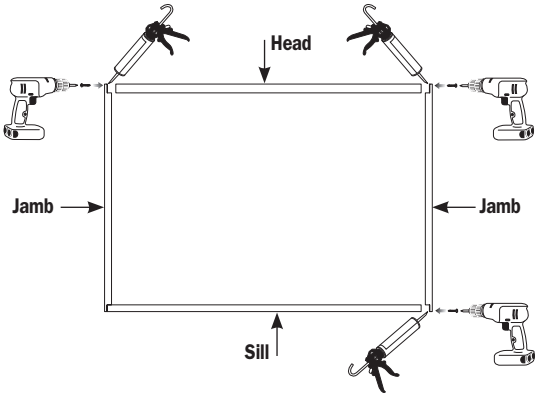
- 1 Apply sealant over foam gasket on jamb where it will contact the sill.



- 2 Fasten jamb to sill with (3) #8 x 2" flat head screws in each location using pre-drilled holes.



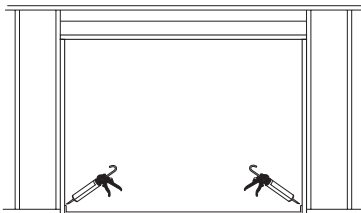
- 3 Repeat in other three corners.



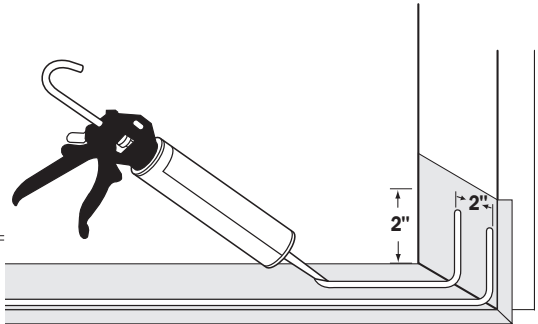
Step 16 No Installation Flange

Apply sealant to opening.

Apply two 1/4" beads of exterior window/door grade sealant to sill and 2" up each side of rough opening. The exterior sealant bead should be at the exterior edge of the opening. The beads of sealant should be 2" apart.



Exterior



Exterior

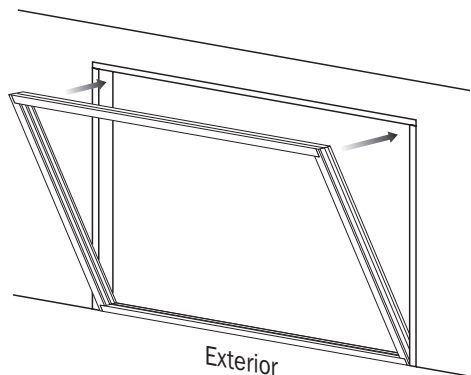
It is strongly recommended that you use a membrane or vinyl-based sill pan for a weathertight seal. Follow the sill pan manufacturer's installation instructions.

Step 17 No Installation Flange

Place door frame in opening.

Place door frame into the opening from the exterior. Place sill of frame into place, then tip head into place.

NOTE: Be certain narrow screen track is on exterior side.



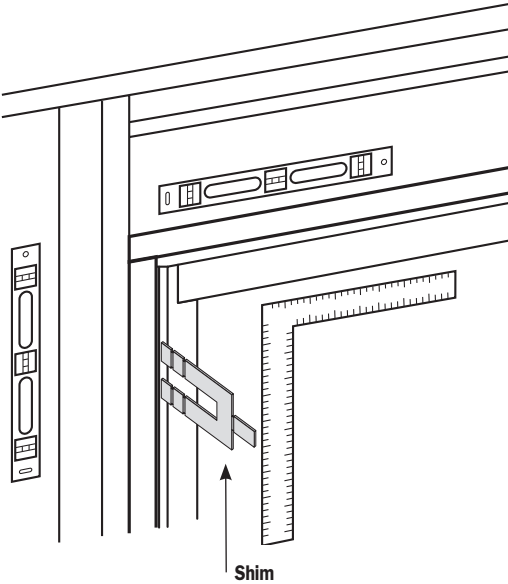
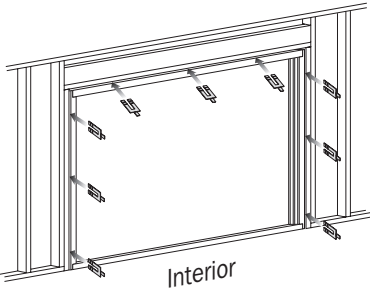
Exterior

Installation Guide

Step 18 No Installation Flange

Shim door frame.

Shim so door frame is plumb, level and square. Shim at all pre-punched holes inside frame.

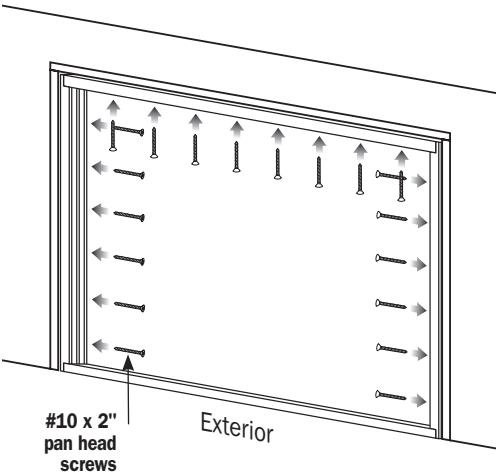


Step 19 No Installation Flange

Fasten door frame.

(Uses blue hardware bag)

Attach door frame to opening using (20) #10 x 2" pan head screws in all pre-drilled holes in interior track of head and jambs.



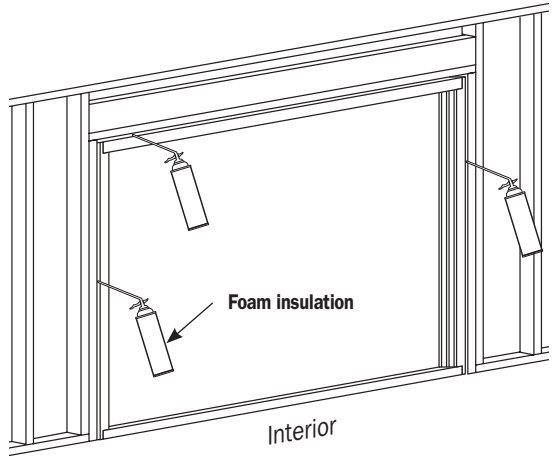
Step 20 No Installation Flange

Insulate door frame.

Insulate around door frame.

CAUTION

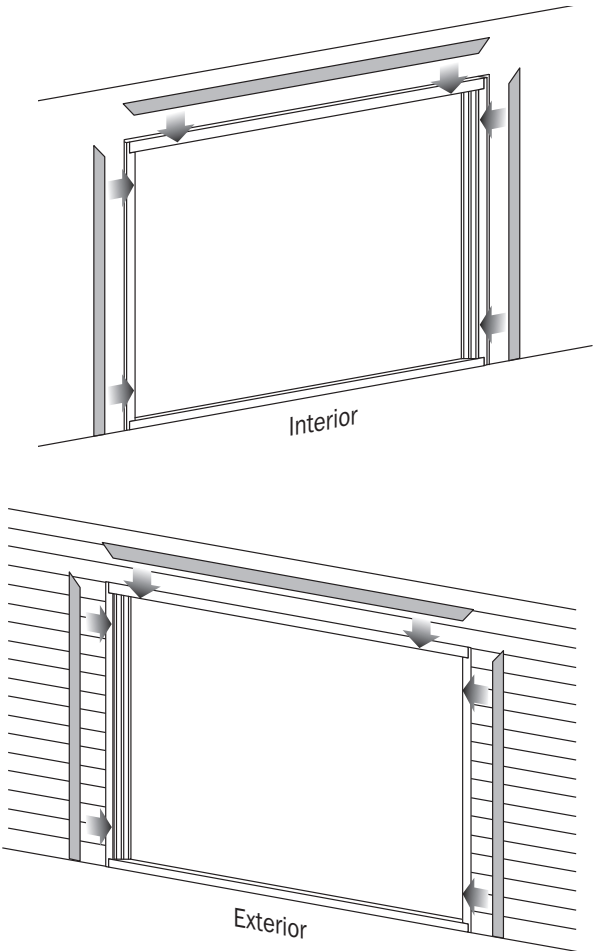
Do not overfill with low expanding foam or overpack with backer rod to avoid bowed jambs.



Step 21
No Installation Flange

Apply trim.

Apply interior and exterior trim as desired. Apply sealant to the perimeter of interior and exterior for a weathertight seal.



Step 22

Determine door panel locations.

Review the four different door panel location configurations shown here and on the following page and determine which is appropriate for the installation.

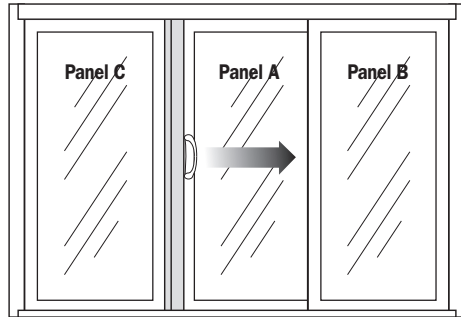
NOTE: Options 1 and 2 are covered in this installation guide. Please visit the manufacturer's website for installation guide showing Options 3 and 4 (as illustrated on the following page).

Panel A – Moving Panel

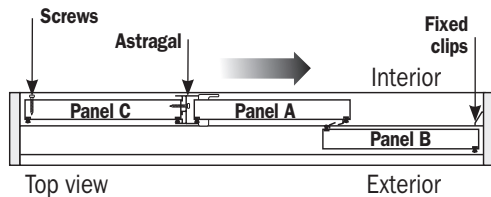
Panel B – Fixed Panel with Interlock

Panel C – Fixed Panel with No Interlock (NI)

Option 1 Middle Panel Opens to the Right



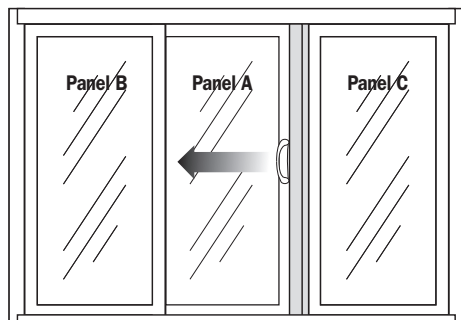
View from Exterior



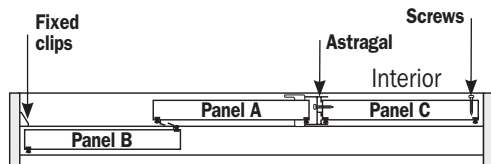
Top view

Exterior

Option 2 Middle Panel Opens to the Left



View from Exterior



Top view

Exterior

More installation options on next page.

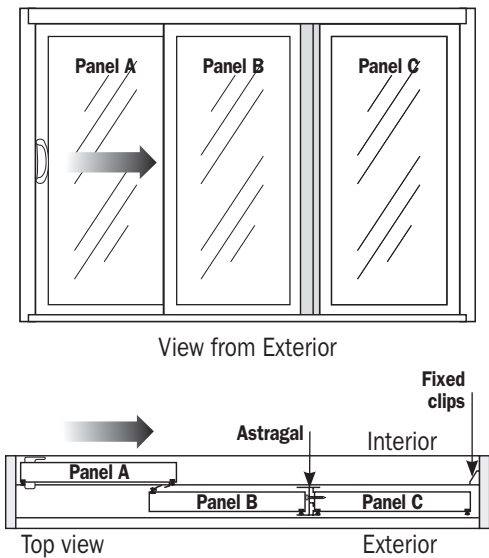
Step 22
Continued

Determine door panel locations. (continued)

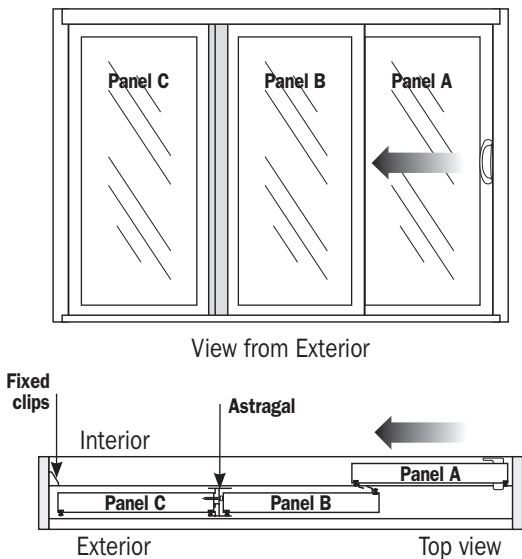
Please visit the manufacturer’s website for installation guide showing Options 3 and 4.

- Panel A – Moving Panel
- Panel B – Fixed Panel with Interlock
- Panel C – Fixed Panel with No Interlock (NI)

Option 3
Side Panel Opens to the Right



Option 4
Side Panel Opens to the Left



Step 23

Verify orientation.

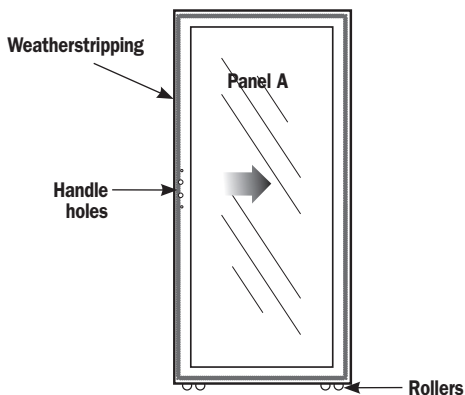
Determine if moving panel is in desired orientation.

Locate the four holes on the moving panel used for placement of the handles. The rollers should be at the bottom of the panel. The weatherstripping should face toward you.

If the handle holes are on your left, then the moving panel will slide open to the right as viewed from the outside. If the handle holes are on your right, then the moving panel will slide open to the left.

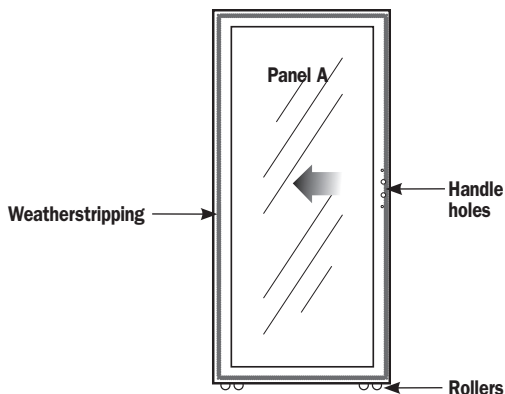
If orientation is not as desired, it can be reversed.

Option 1



Door slides open to the right as viewed from the outside.

Option 2



Door slides open to the left as viewed from the outside.

If the desired orientation of the moving panel is correct, proceed to Step 28. To change the orientation, proceed to Step 24.

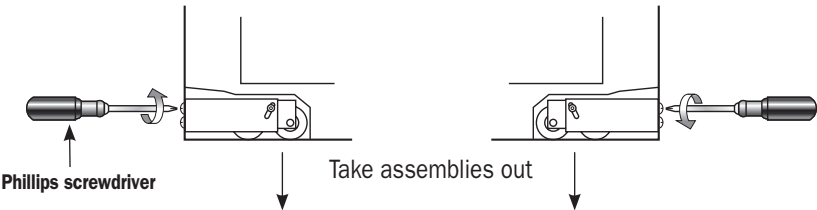
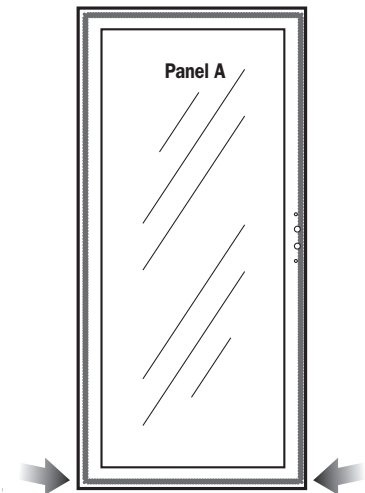
To Change Orientation of Moving Panel - Optional
(Move to the Left or to the Right)

Step 24

Remove roller assemblies.

Remove roller assemblies from bottom of moving door panel by removing the upper screws.

Remove screw and roller wheel assemblies from both sides of door panel.



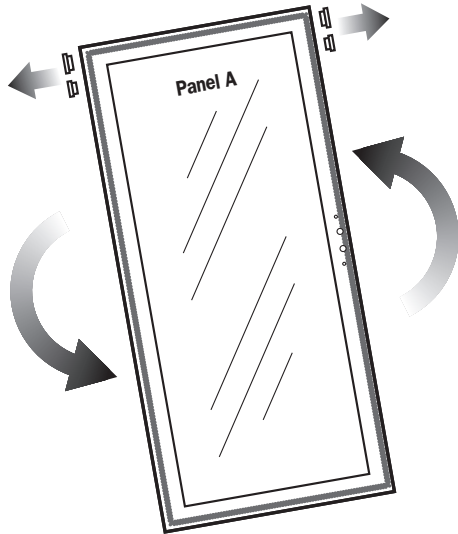
Step 25

Remove screw covers and rotate.

Remove two pairs of screw covers from the top of the moving panel and rotate the moving panel.

⚠ WARNING

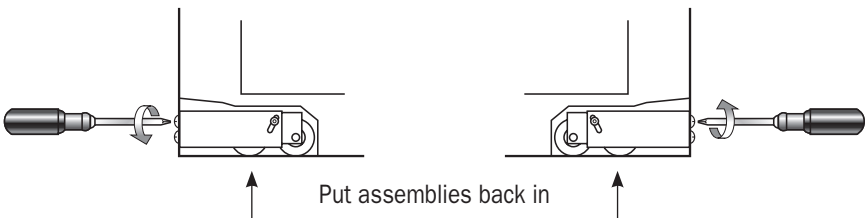
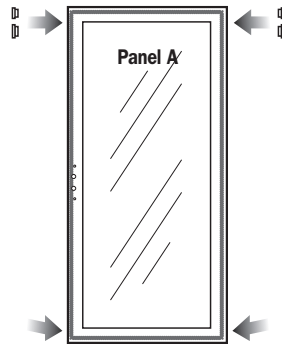
Screw covers are small parts and, if swallowed, could pose a hazard to young children.



Step 26

Replace roller assemblies and screw covers.

Replace roller assemblies back into the bottom of the door panel and put two pairs of screw covers into top of door panel.

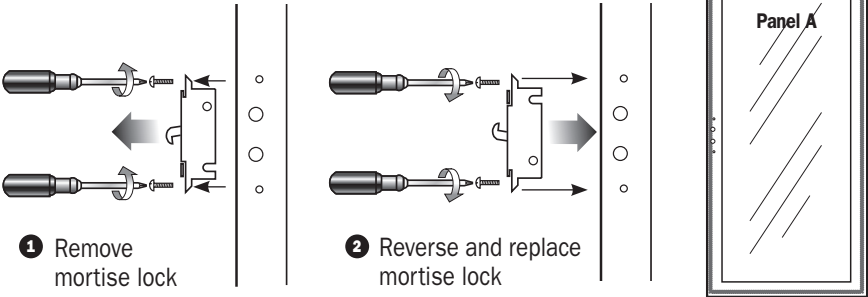


Step 27

Reverse lock.

Remove screws from the mortise lock while holding onto hook of lock and then remove the lock. Reverse the mortise lock so the hook is facing up. Re-attach lock.

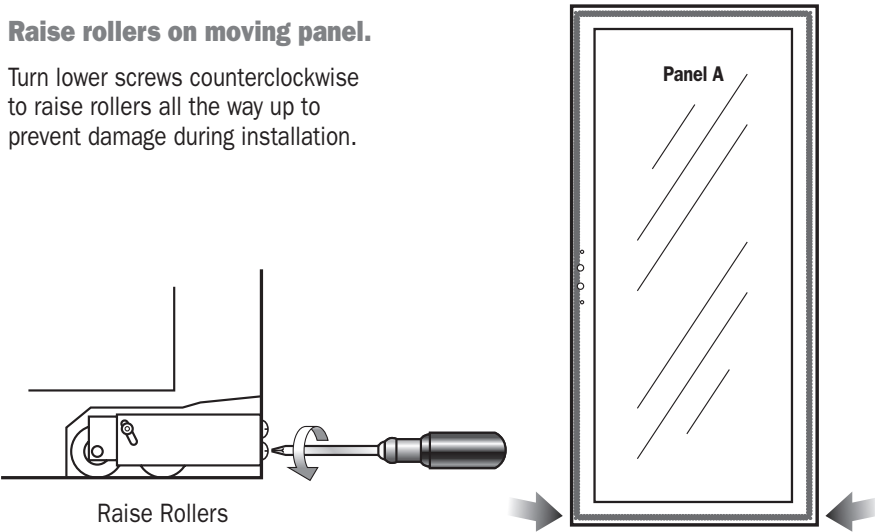
NOTE: Be certain to hold onto the hook while removing the mortise lock to prevent it from falling into the moving panel.



Step 28

Raise rollers on moving panel.

Turn lower screws counterclockwise to raise rollers all the way up to prevent damage during installation.



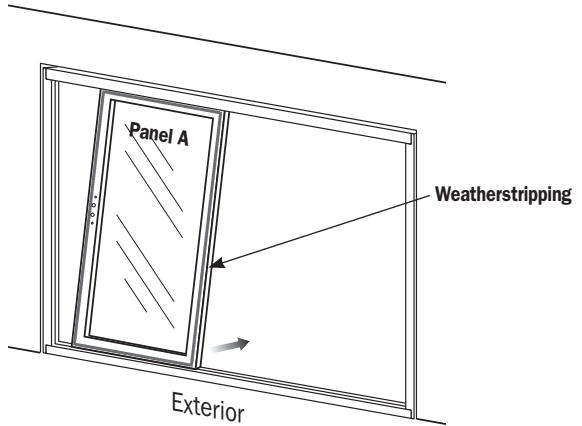
Step 29

Install moving panel from the exterior.

Place top of moving panel into interior track, then gently set bottom of panel in place in the interior track. Make sure the roller assemblies are fully retracted.

NOTE: Be sure the weatherstripping faces the exterior.

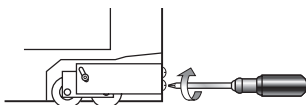
NOTE: Option 1 panel location shown unless otherwise indicated.



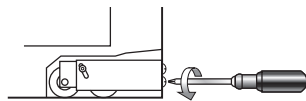
Step 30

Adjust moving panel rollers.

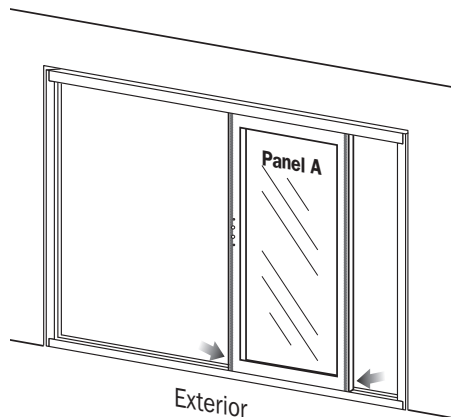
Lift door panel slightly to minimize weight on rollers. Turn lower screws to adjust rollers so that door panel is plumb and level with frame and door slides smoothly.



Lower Rollers



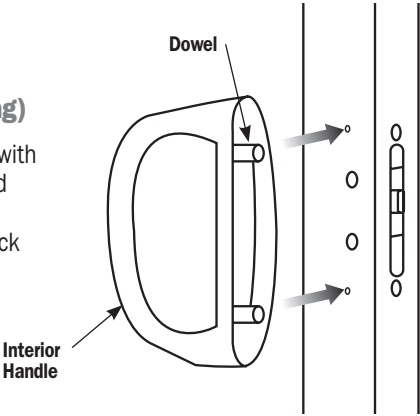
Raise Rollers



Step 31

**Verify handle fit.
(Uses clear hardware bag)**

Compare the interior handle with the top and bottom pre-drilled holes in the moving panel to check if the dowels in the back of the handle will fit into the provided holes.

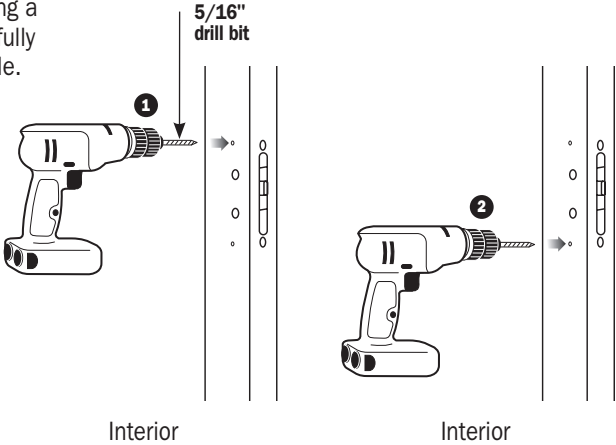


If interior handle dowels fit into the pre-drilled holes and the handle sits flush against the moving panel, proceed to Step 33. If the dowels do not fit into the pre-drilled holes, proceed to Step 32.

Step 32

Enlarge handle holes.

- 1 Enlarge top handle hole on the moving panel from the interior using a 5/16" drill bit. Carefully drill a 1/4" deep hole.
- 2 Repeat for bottom handle hole.

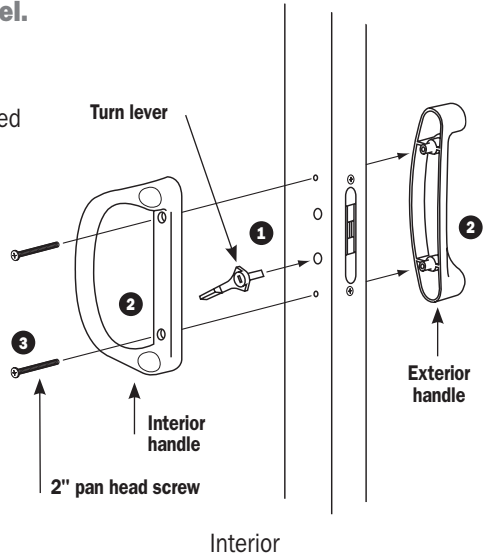


Step 33

Install handles on moving panel. (Uses clear hardware bag)

NOTE: Any optional handle set ordered separately should be installed now following provided installation instructions.

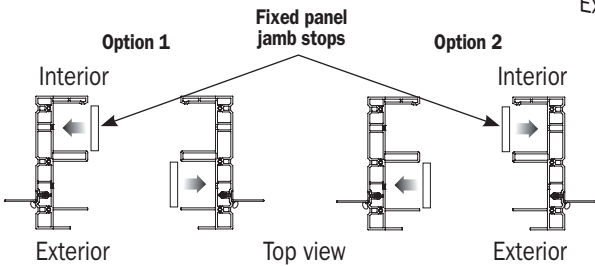
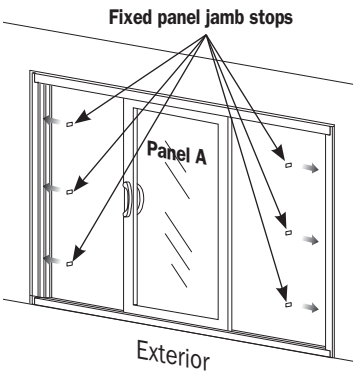
- 1 Place turn lever into bottom, larger hole on interior of moving panel.
- 2 Place larger interior handle and smaller exterior handle onto door with grips toward glass.
- 3 Fasten with (2) 2" pan head screws.



Step 34

**Install fixed panel jamb stops.
(Uses red hardware bag)**

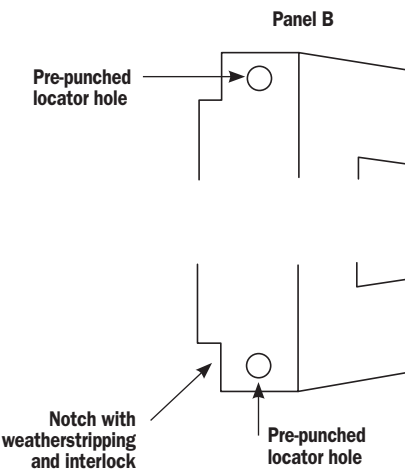
Apply (6) panel jamb stops, (3) to each side of frame. Remove paper backing and apply appropriate pressure for placement. Apply evenly spaced from head to sill in the appropriate tracks indicated in drawings.



Step 35

**Verify pre-punched
locator holes on fixed
panel with interlock
only.**

Check for pre-punched locator holes on the end of long side of fixed panel with interlock near the notches. There should be one pre-punched locator hole at the top of the fixed panel and one pre-punched locator hole at the bottom of the fixed panel.



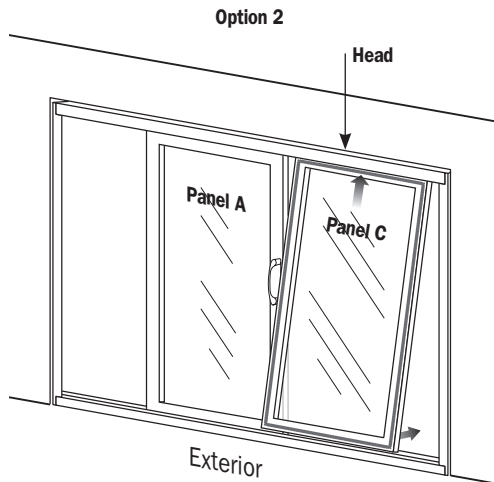
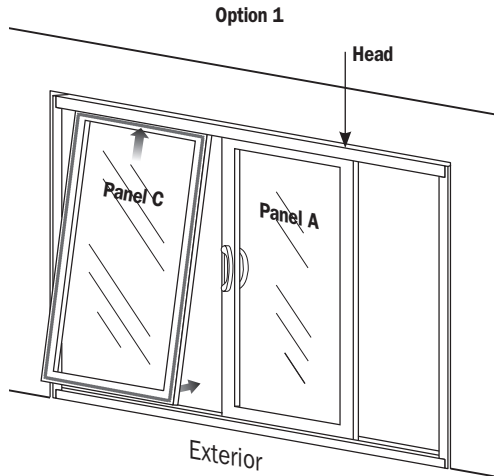
If pre-punched locator holes are present, proceed to Step 36. If pre-punched locator holes are not present, proceed to Appendix A, Step A1.

Step 36

Install fixed panel with no interlock.

From the exterior, place top of fixed panel C into interior track in head of door frame next to moving panel A. The weatherstripping should face the exterior. Then place bottom of panel into position in track.

NOTE: Be sure the weatherstripping faces the exterior.

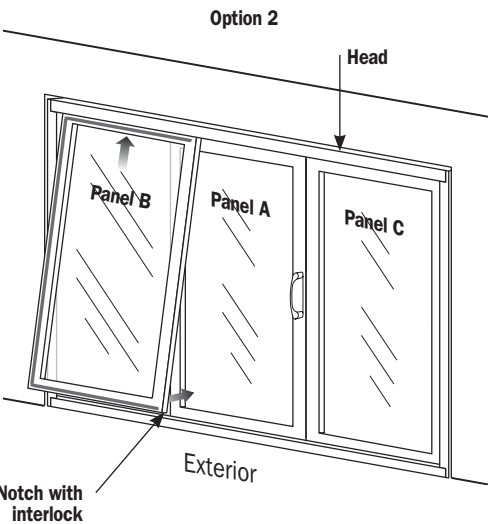
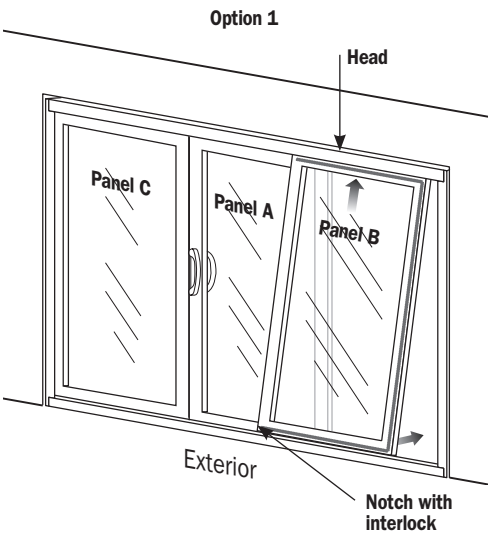
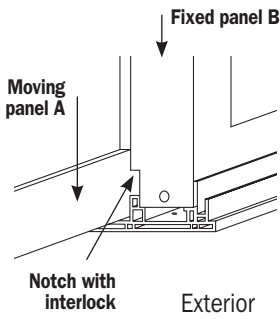


Step 37

Install fixed panel with interlock.

From the exterior, place top of fixed panel B into middle track in head of door frame. The notches with interlock should face the interior and be placed against panel A. Then place bottom of panel into position in track.

NOTE: Be sure that the notches with interlock face the interior.

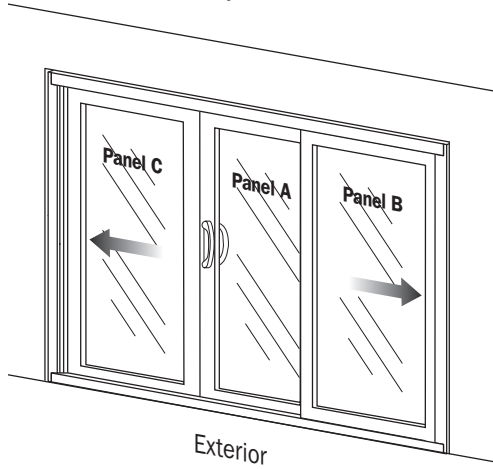


Step 38

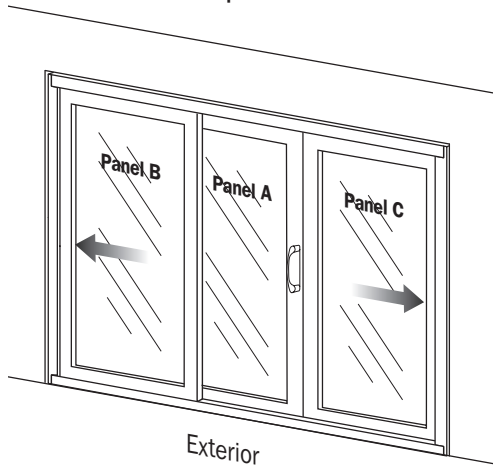
Position fixed panels.

Slide both fixed panels all the way to either side so they are set back into the door frame as far as they will go.

Option 1



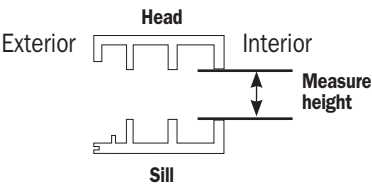
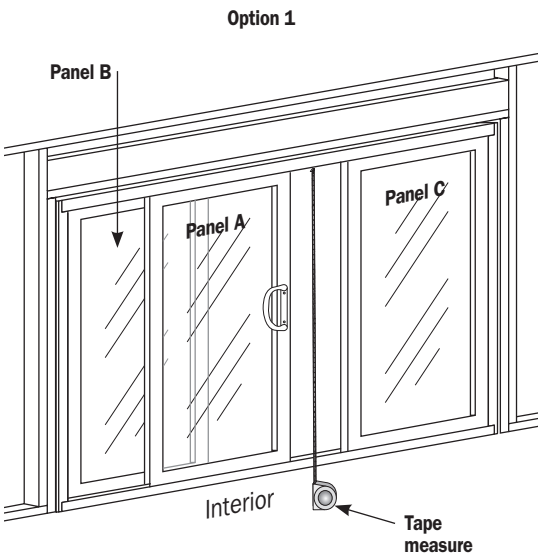
Option 2



Step 39

Measure astragal.

Measure from interior head of door frame to top of interior sill to determine length of astragal.

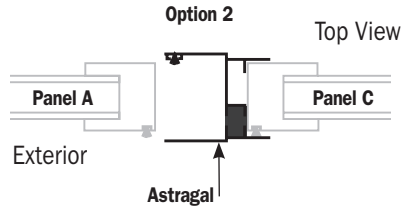
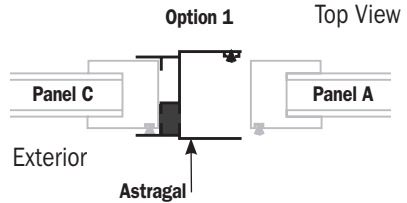


Step 40

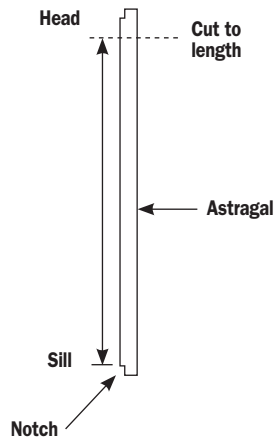
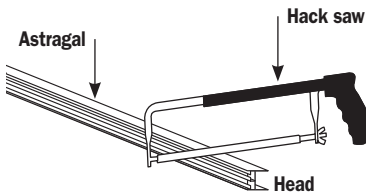
Trim astragal.

- 1 Determine what is the top of the astragal depending on panel configuration. See top view drawings shown here to determine.
- 2 Trim top of astragal by making a straight, 90 degree cut to the length of the measurement from the notch.

1



2

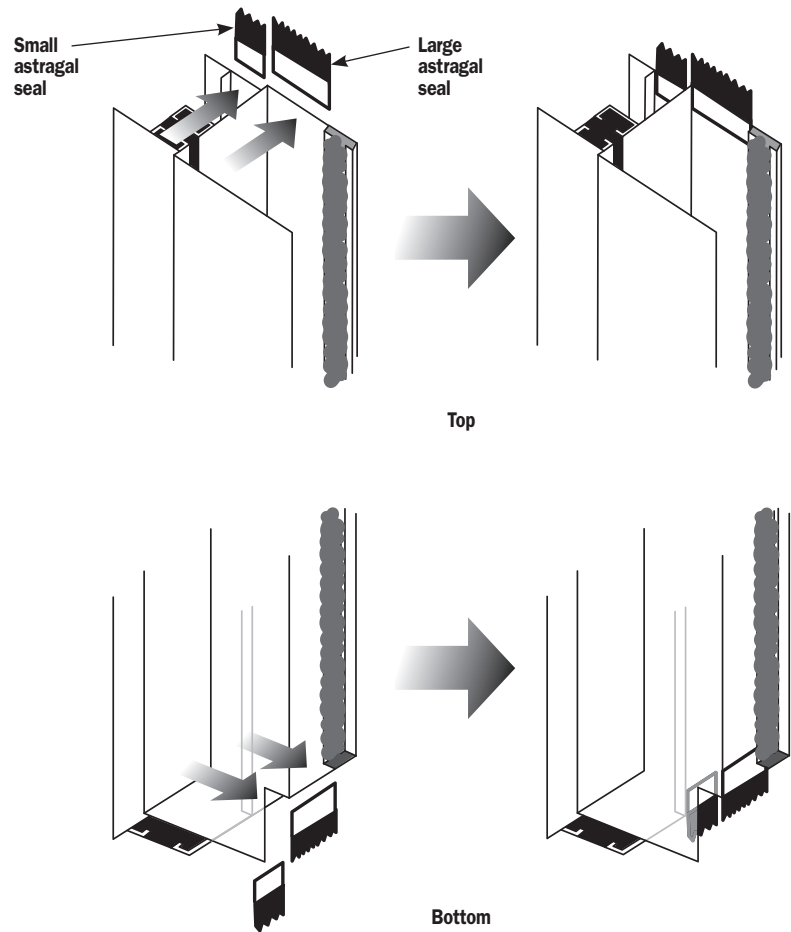


Step 41

Install astragal seals.
(Uses gray hardware bag)

Apply (1) large and (1) small astragal seal to top of astragal and (1) large and (1) small astragal seal to bottom of astragal. Remove paper backing and apply using firm pressure to the interior sides of the astragal as shown.

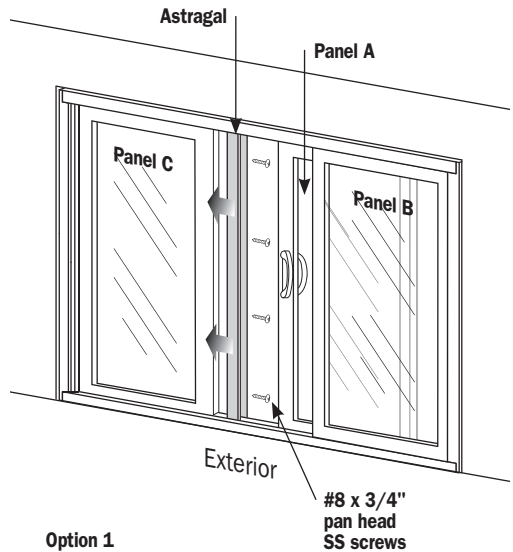
Option 1 Shown



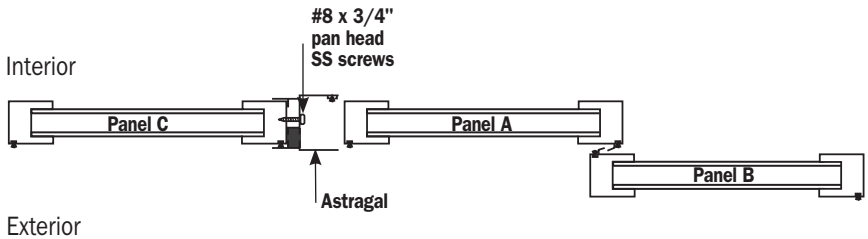
Step 42

Install astragal. (Uses gray hardware bag)

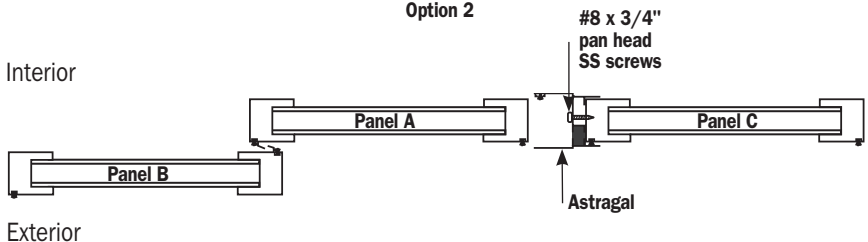
Place astragal on fixed panel C, making sure bottom of astragal with notch fits into sill. Attach astragal to fixed panel C (NI) using (4) #8 x 3/4" pan head SS screws. Space the screws evenly.



Option 1



Option 2



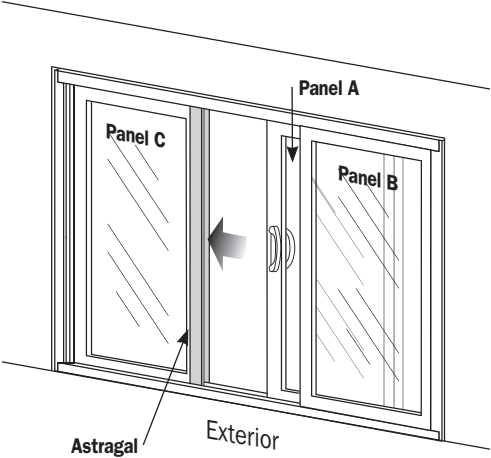
Step 43

Install astragal keeper
(Uses gray hardware bag)

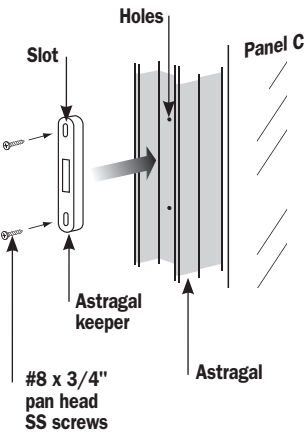
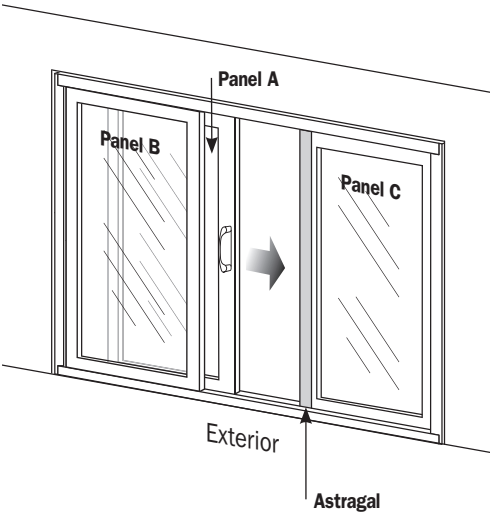
Locate the two holes in the astragal opposite the handle. Install the (2) #8 x 3/4" pan head SS screws through the slots on the keeper into the two holes on the astragal and tighten them "finger tight" to allow for adjustments. Close and lock moving panel to make sure door locks correctly. If the door does not lock correctly, open door and slide keeper up or down to allow lock hook to properly nest in keeper.

Once door locks correctly, fully tighten the screws to secure the keeper in place top and bottom.

Option 1



Option 2

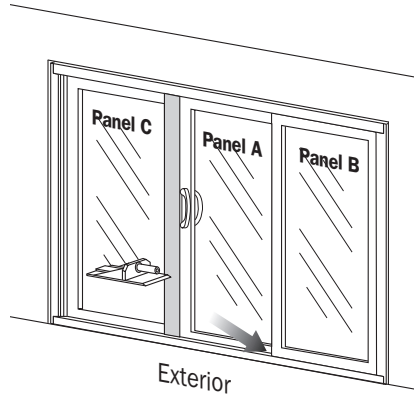


Step 44

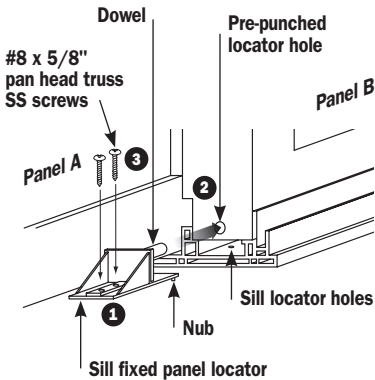
Install sill fixed panel locator. (Uses red hardware bag)

- 1 Place the sill fixed panel locator in the middle track of the sill.
- 2 Slide the bottom of the sill fixed panel locator under the fixed panel and the dowel into the pre-punched locator hole in the panel until you feel the locator nubs on the bottom drop into place into the sill locator holes.
- 3 Using (2) #8 x 5/8" pan head truss SS screws attach sill fixed panel locator to sill.

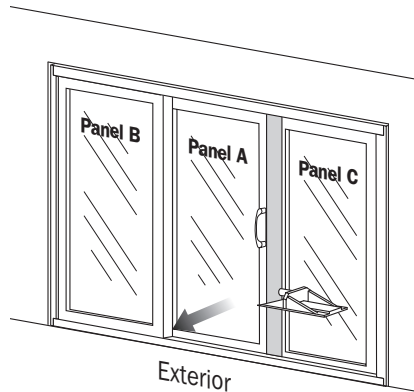
Option 1



Option 1



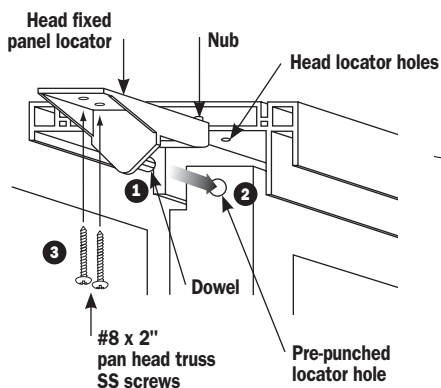
Option 2



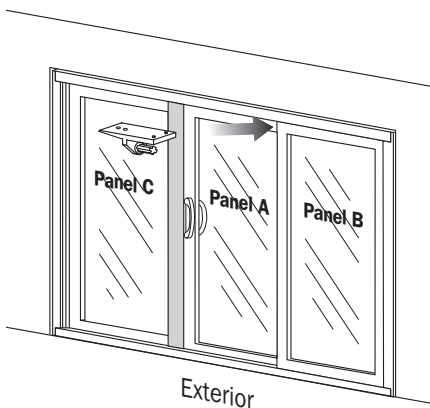
Step 45

Install head fixed panel locator. (Uses red hardware bag)

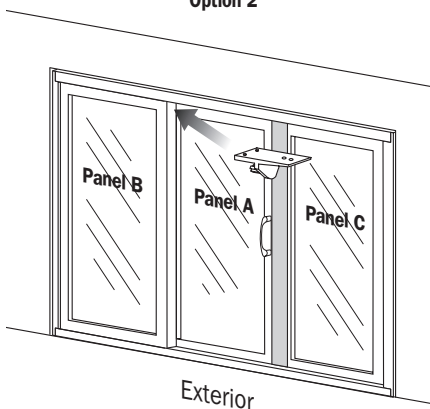
- 1 Place the head fixed panel locator in the middle track of the head. The nubs on the top of the head fixed panel locator will face up.
- 2 Move the dowel of the locator into the pre-punched hole in the panel until you feel the locator nubs fit into the head locator holes.
- 3 Using (2) #8 x 2" pan head truss SS screws attach head fixed panel locator to head.



Option 1



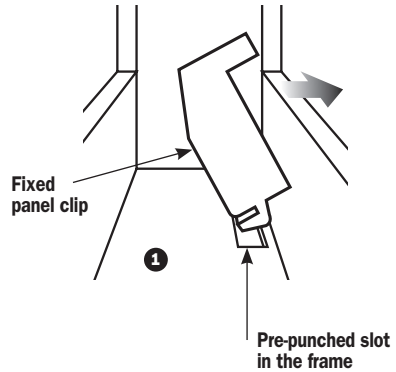
Option 2



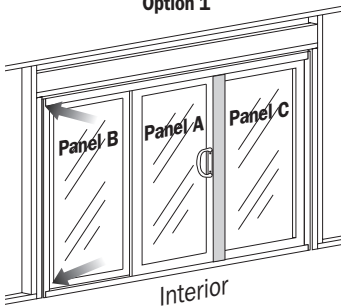
Step 46

Install fixed panel clips. (Uses green hardware bag)

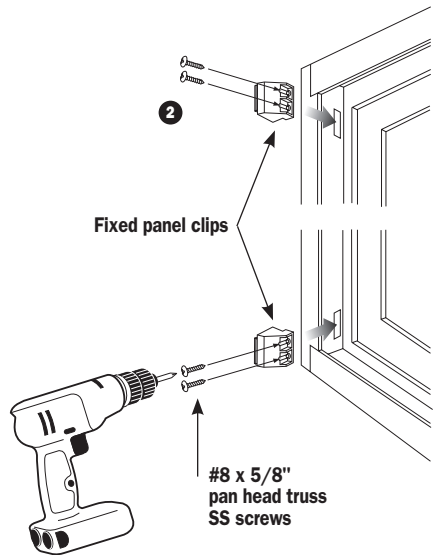
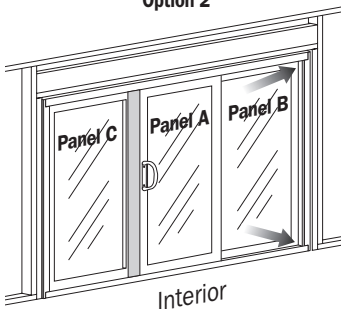
- 1 Install (2) fixed panel clips, (1) at the bottom and (1) at the top of the fixed panel on interior. Insert the groove on the bottom of the fixed panel clip into the pre-punched slot on the jamb and pivot the fixed panel clip to snap into place against the frame. Repeat for the other clip.
- 2 Drive (2) #8 x 5/8" pan head truss SS screws through each clip into each door panel on top and bottom.



Option 1



Option 2

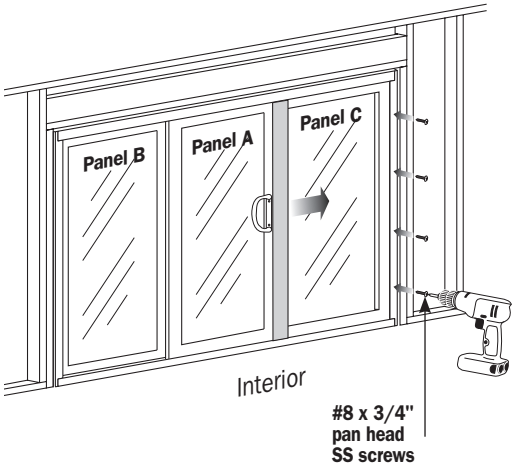


Step 47

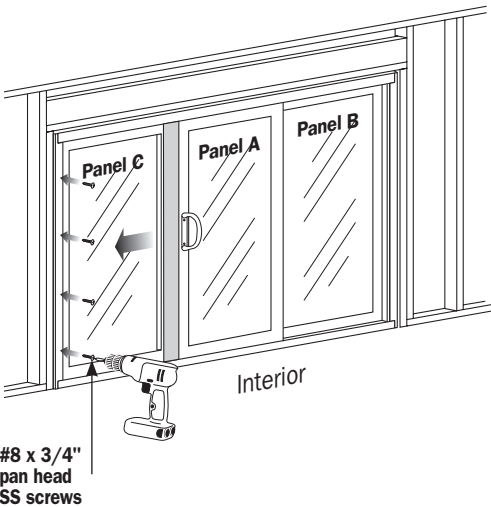
**Attach fixed panel C (NI).
(Uses gray hardware bag)**

Lock the door and push moving panel A towards fixed panel C to ensure that it is seated into the jamb. Use (4) #8 x 3/4" pan head SS screws to secure fixed panel C (NI) to door frame. Fasten screws through interior frame into fixed panel C (NI). Space the screws evenly.

Option 1



Option 2

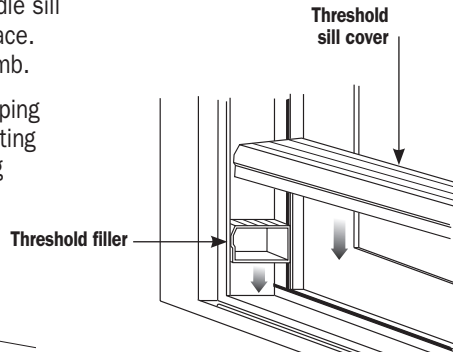


Step 48

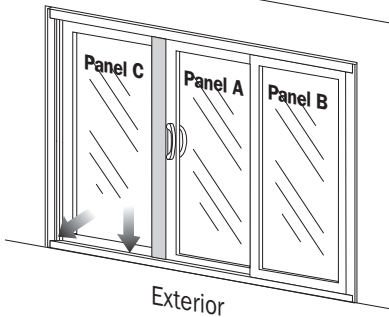
Install threshold filler and sill cover. (Uses grey hardware bag)

Install the threshold filler into the middle sill track from the exterior. Snap it into place. Make sure it is pushed against the jamb.

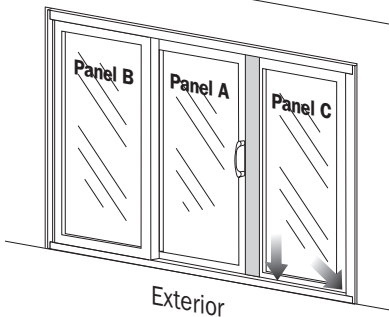
Install the threshold sill cover by snapping into place on the middle sill track starting next to the threshold filler and working toward fixed panel B.



Option 1



Option 2

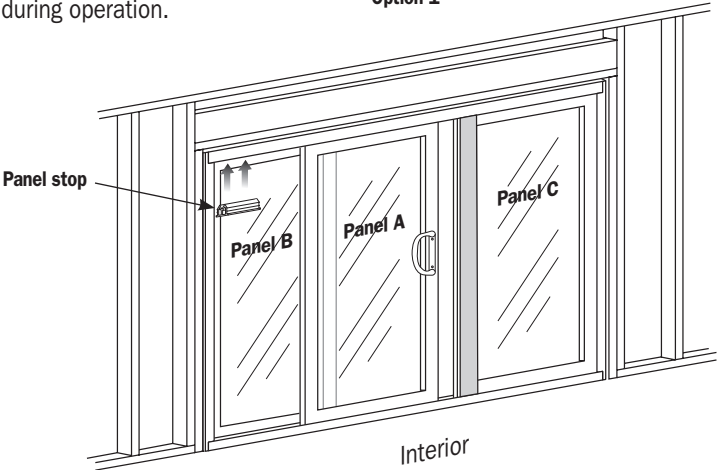


Step 49

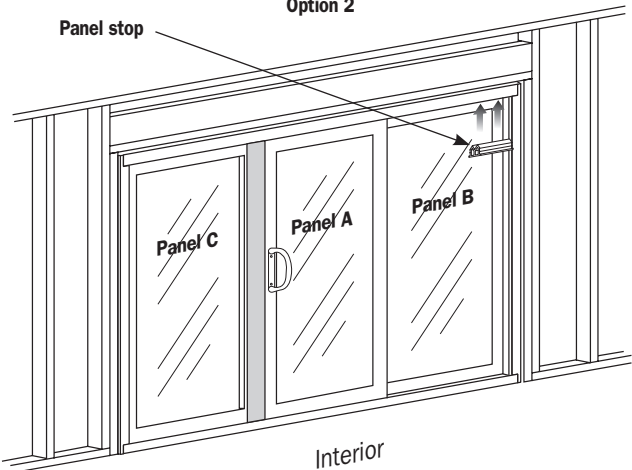
**Install panel stop.
(Uses gray hardware bag)**

Snap panel stop into place in interior track of head next to jamb to prevent handle from contacting fixed panel B during operation.

Option 1



Option 2

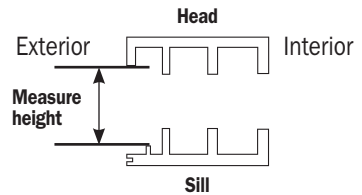
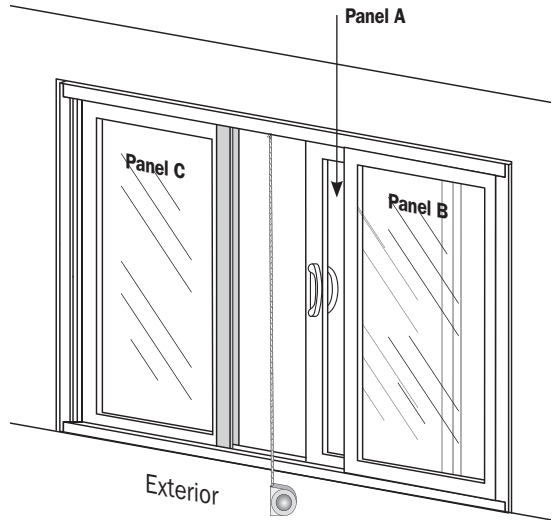


Step 50

Measure screen adapter.

Measure from the exterior head of door frame to top of exterior screen track on the sill to determine length of screen adapter.

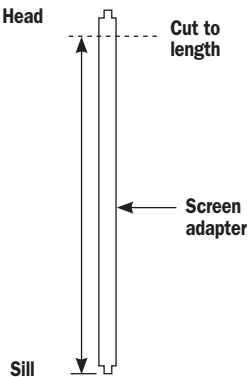
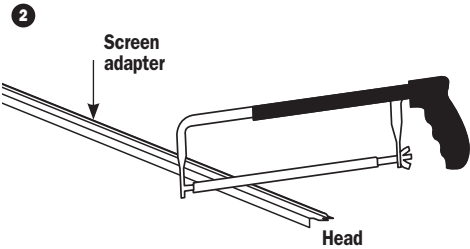
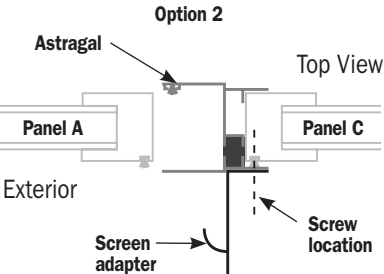
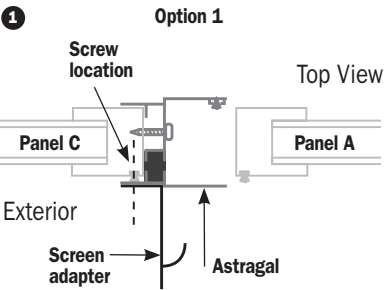
Option 1



Step 51

Trim screen adapter.

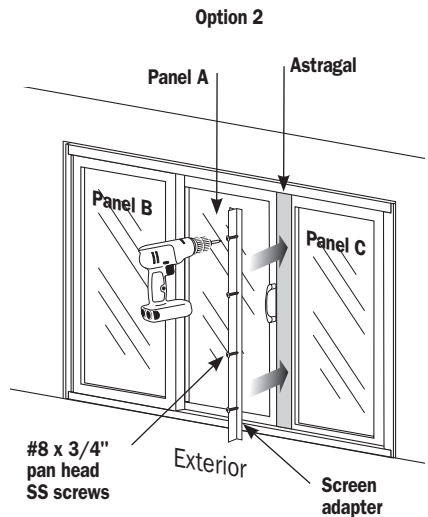
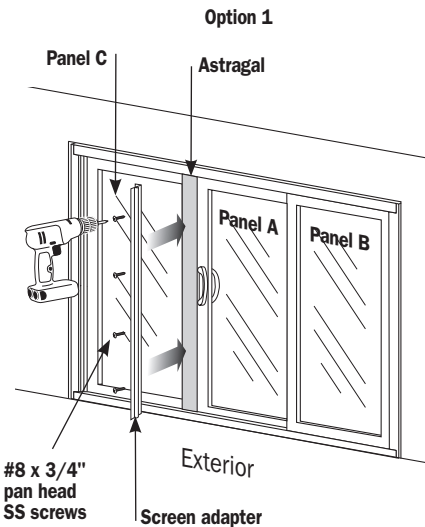
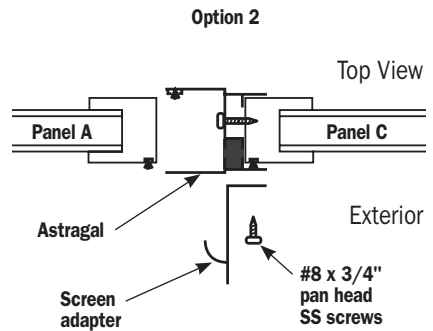
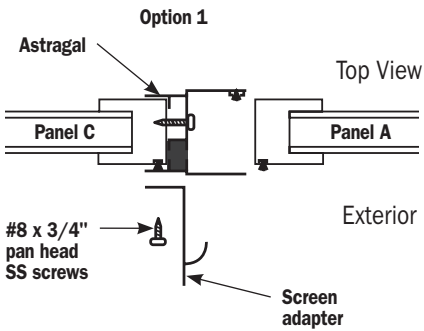
- 1 Determine what is the top of the screen adapter depending on panel configuration. See top view drawings shown here to determine.
- 2 Trim top of screen adapter by making a straight, 90 degree cut to the length of the measurement from the bottom.



Step 52

Install screen adapter. (Uses gray hardware bag)

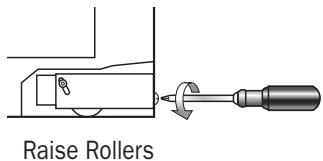
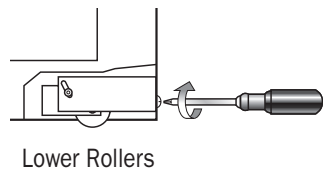
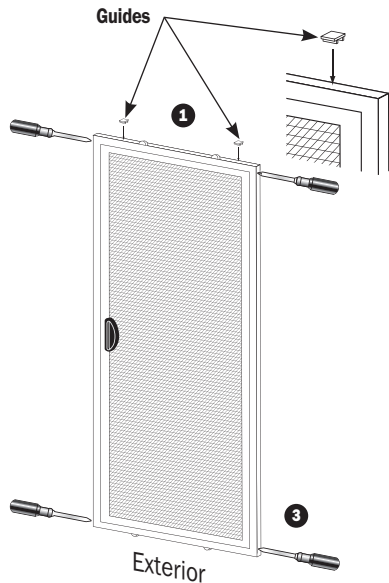
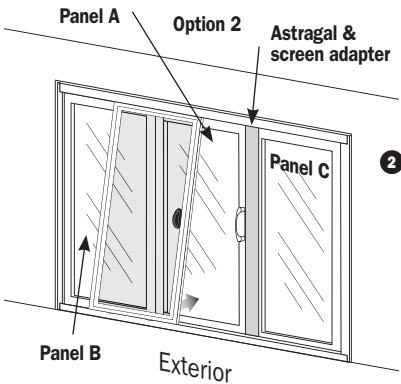
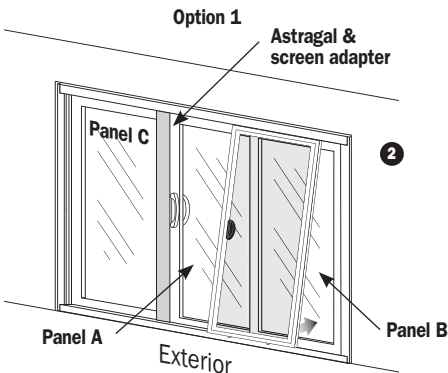
Using (4) #8 x 3/4" pan head SS screws, fasten screen adapter through astragal and into Panel C. Space the screws evenly.



Step 53

Install insect screen panel.
(Uses screen parts hardware bag)

- 1 Push the top (2) guides into place on the top of the insect screen panel approximately 2" from each side.
- 2 Tilt the insect screen, put the top into the head track, then put the bottom rollers onto the sill track.
- 3 Adjust wheels so insect screen stays on track and operates smoothly.



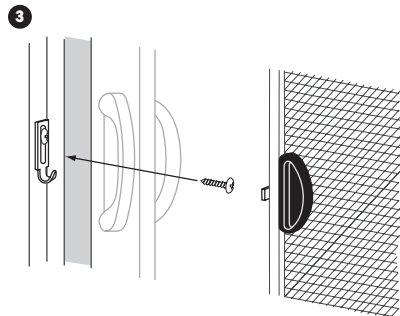
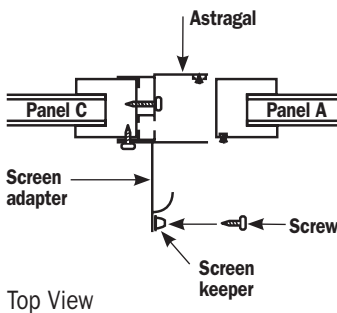
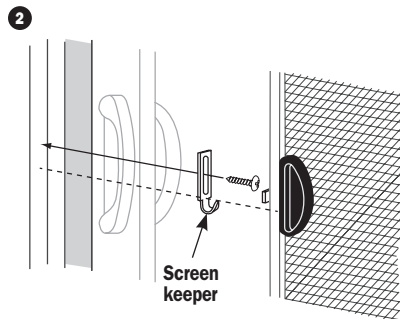
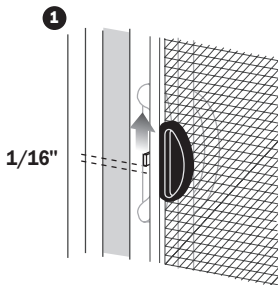
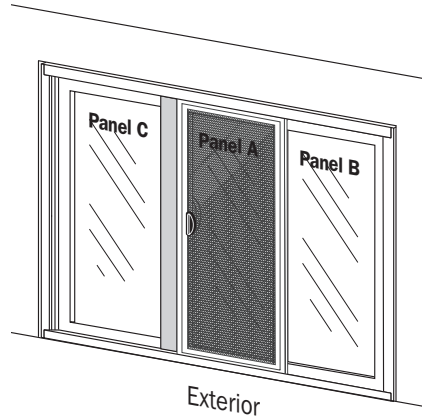
Step 54

Install insect screen keeper. (Uses screen parts hardware bag)

- 1 Push insect screen panel handle all the way up. Mark $\frac{1}{16}$ " below bottom of screen latch on the screen adapter.
- 2 Position top of keeper hook with mark on screen adapter. Screen keeper should be installed with the hook up. Attach screen keeper using (1) included screw. You may need to pre-drill.

Adjust screen keeper as necessary for easy latching and releasing.

- 3 Fasten screen keeper with second screw. You may need to pre-drill.



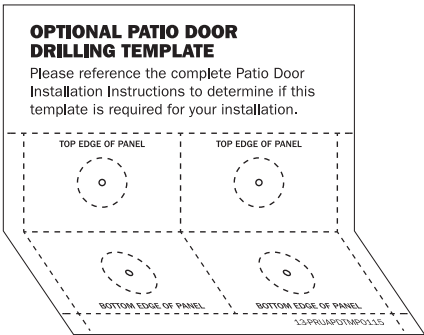
Appendix A

Step A1

Separate drilling templates.
(Uses red hardware bag)

Locate drilling template. If template is missing, cut out the template in Appendix A Step A4. If needed, print out at full size and cut out.

Fold on perforated lines to separate the drilling templates. For a 3-panel patio door you will need (1) top edge template and (1) bottom edge template.

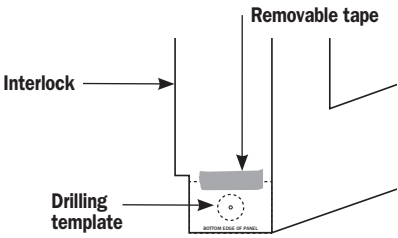
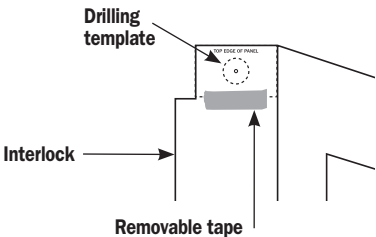


Step A2

Position templates
on fixed panel with
interlock.

Position the top edge template on the top of the fixed panel with interlock. Align the words along the top as indicated. Adhere the template with removable tape.

Repeat with bottom edge drilling template, aligning the words along the bottom as indicated.



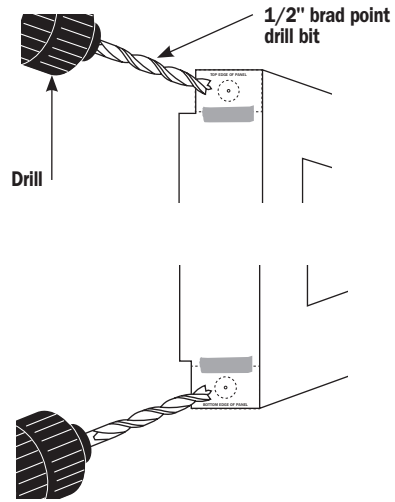
Step A3

Drill holes.

Drill hole in the center of the marked circle on the template at the top using a 1/2" brad point drill bit. Do not drill more than 1/2" deep.

Repeat for bottom hole.

Remove templates and discard.

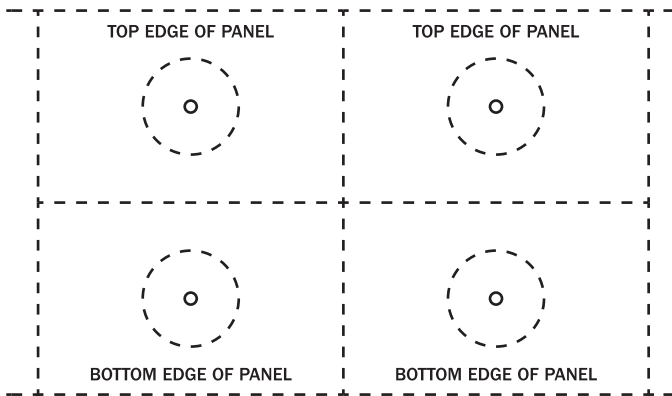


Proceed to Step 36.

Step A4

Drilling Template.

If template is missing from red hardware bag, print at full size if needed and cut out the template below.



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Installation Guide
Unassembled 3-Panel Patio Door