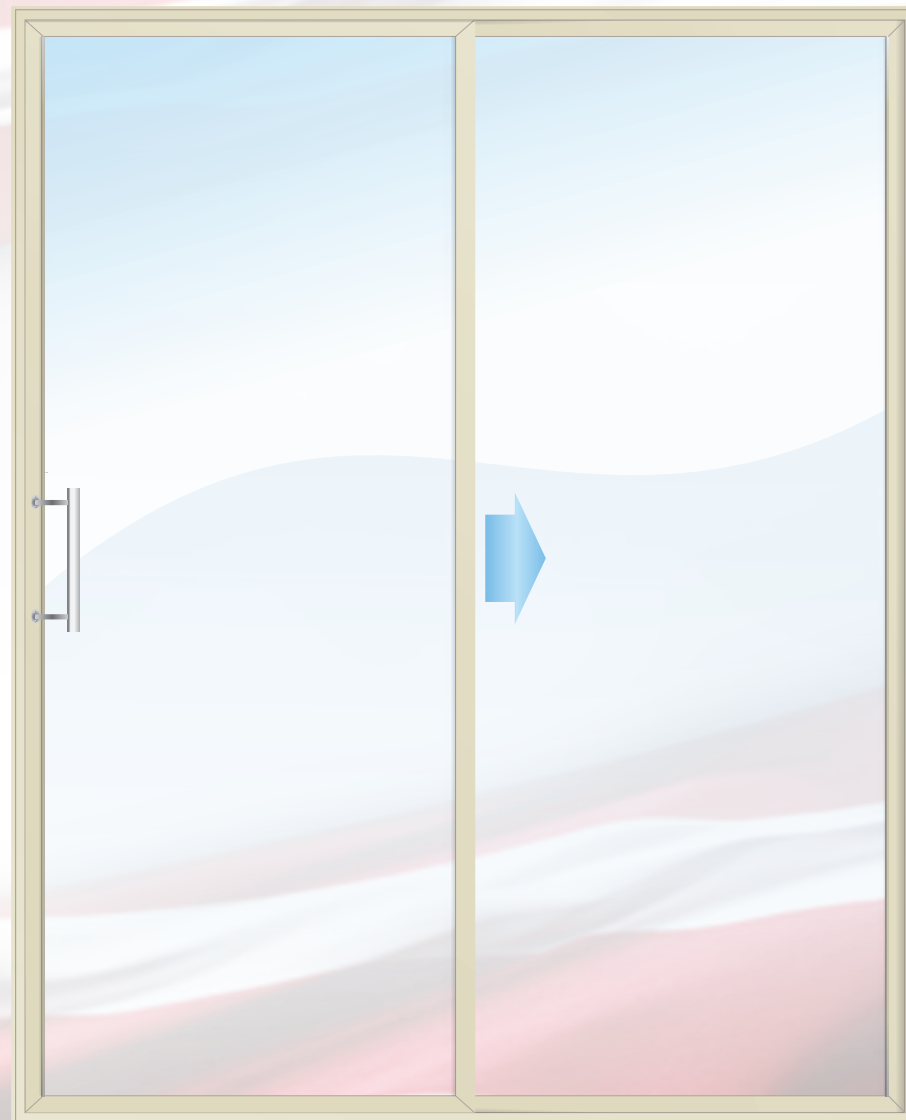


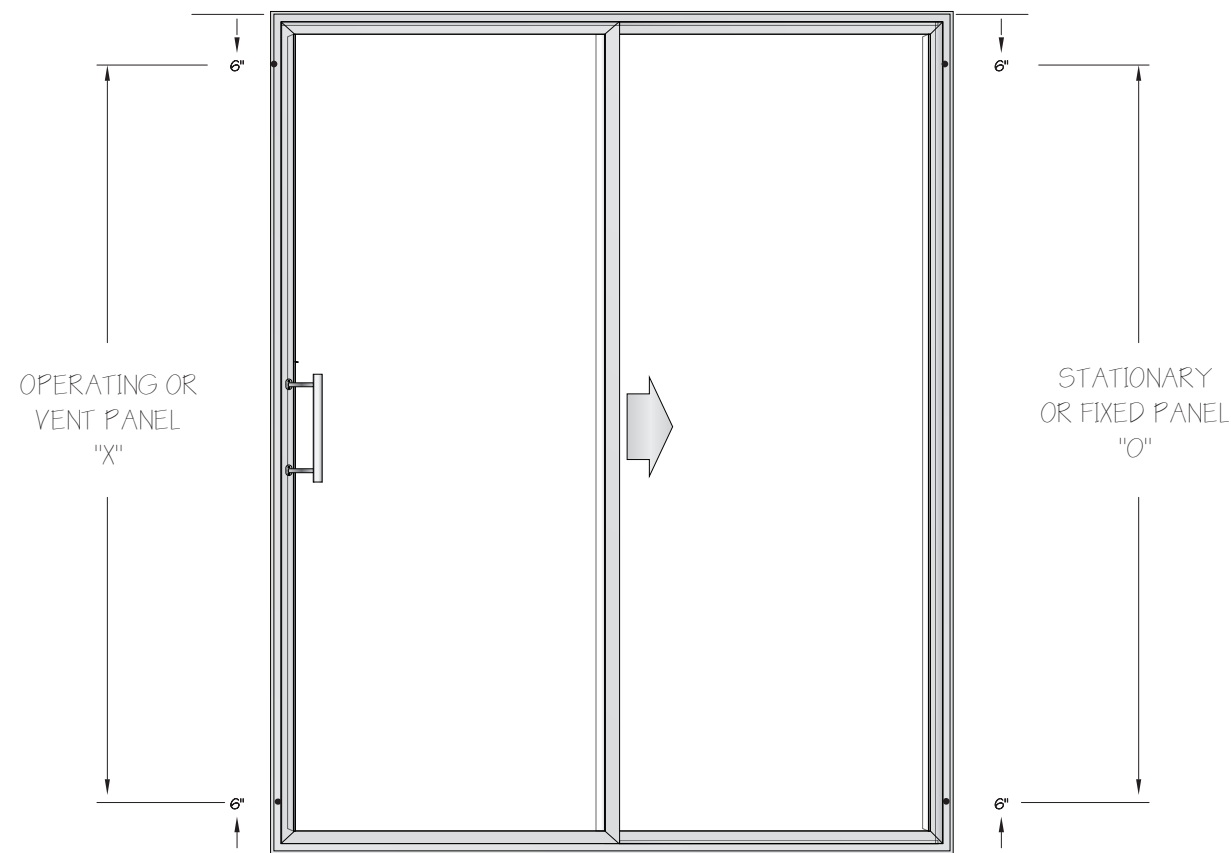
Patio Door

Installation & Instructions



Patio Door

Installation & Instructions *Fastener Diagram*



The Right Tools & Parts

- | | | |
|------------------|-------------------------|-----------------------------|
| • Safety Glasses | • Block of Wood | • Phillips head screwdriver |
| • Hammer | • Caulk gun | • Level (4' recommended) |
| • Hacksaw | • Shims material | • Carpenter's square |
| • Drill | • Waterproof Shims | • Tape Measure |
| • Locking Pliers | • Screws (#8 Flat Head) | |

Notes:

1. Begin by measuring the door to be replaced. Measure in 3 places on height and width. Do not remove the old door until the sizes of the new door have been identified as correct to fit in the opening. Make sure you have all tools and accessories to complete the project. (Installation accessories are available from WindowMart and can be purchased from your WindowMart dealer).

2. Remove the old door and prepare the opening. The sill must be level to ensure proper function. It is imperative that the replacement door must fit into the opening plumb, level and square, even if the opening may not be.

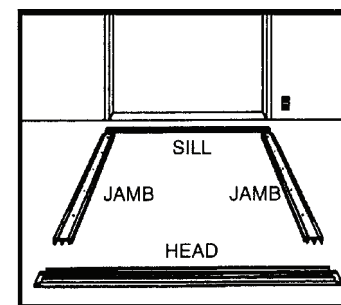
* For housing and child occupied facilities built before 1978 refer to *www.epa.gov/lead (before removing old door).

If the door is not installed plumb, level and square, the following problems could occur:

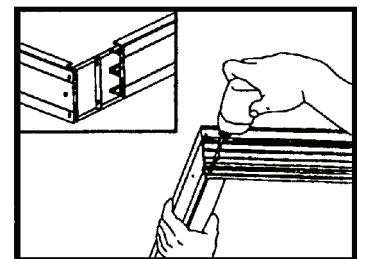
- The weather-stripping may not seal properly, allowing air and water infiltration;
- Improper weeping for moisture.

3. Proper disposal of products being removed is important. Most of the parts of the removed door can be recycled such as the aluminum frames, glass and old vinyl doors can be sold to antique stores as they are often used for artistic decorations. If you are disposing of lead paint debris. Please refer to the following government website * www.epa.gov/lead for proper disposal instructions.

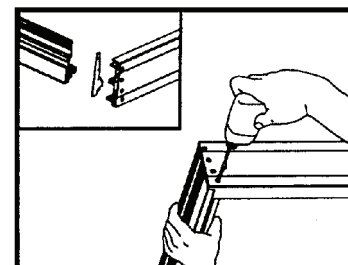
4. Place all four frame parts on the floor as shown.



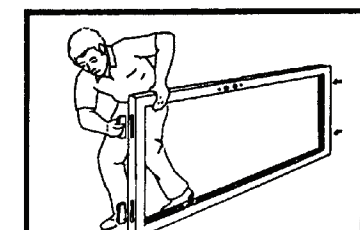
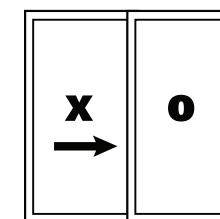
5. Make sure that the gaskets are in place at the head end of each jamb. Attach the head of one side jamb with three #8 x 1" Phillips pan head screws provided, taking care that the inside surfaces are flush. Repeat these steps at other jamb.



6. Make sure that the gaskets are in place at the sill end of each jamb. Attach the sill to the jamb with three #8 x 1" Phillips pan head screws provided, taking care that the inside surfaces are flush. Repeat these steps at the other sill and jamb joint.



7. Note panels come from the factory X-O (left operating-exterior view). If this is correct for your job, skip to step 8. If you need O-X panels (right operating- exterior view), the conversion is done by the following. Remove the roller assembly from the bottom of the operating panel and reinstall in the top. Because both the top and bottom are notched to receive the roller assembly, the change is a simple matter of removing the two screws and clips and reinstalling them n the opposite end of the panel.

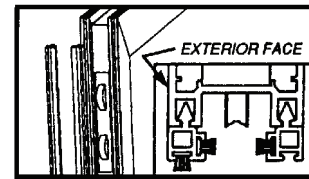


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Patio Door

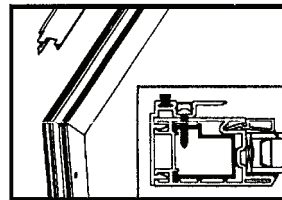
Installation & Instructions *Fastener Diagram*

8. Install the panel weatherstrip adapters on the bottom of roller end of operating panel after making sure XO or OX is needed. Use hammer and wood block to snap on adapters as shown, making sure the weatherstrip is pointing in toward rollers.

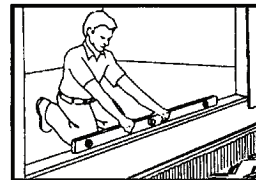


9. Note there are two interlocks provided; one is for the operating panel and the other for the stationary panel. The larger of the two is for the stationary panel.

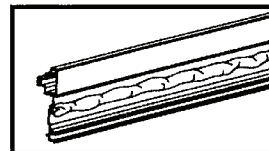
Note: make sure you have the correct interlock before proceeding. The operating panel interlocks can be installed at this point. Place the panel with the edge drilled for the handle down. Locate the roller end of edge of weatherstrip adapters. Install with wood block and hammer. Interlock should hang over exterior face of the operating panel. Attach interlock to panel with #8 x 3/4" Phillips flat head screws. Snap the shorter interlock screw cover in place. Operating panel is now complete; place it aside until ready to install in main frame.



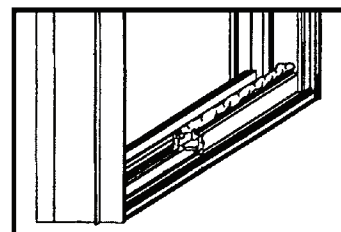
10. Check your rough opening. Check for squareness. Check floor flatness. Correct any problems with the rough opening or before floor flatness before proceeding.



11. Fill sealant groove on sill with large bead of sealant as shown. Note this sealant is used to seal sill to floor to stop water penetration from outside. Pay particular attention to any low spots to assure a good seal.

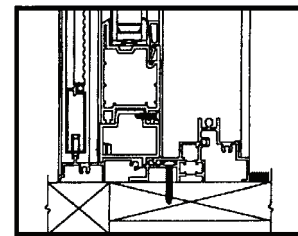


12. Place main frame in rough opening, plumb, level, and square frame by inserting shims at top and bottom of each jamb at the installation screw locations. Place one #8x3" Phillips flat head screw at each corner to secure frame. Check for plumb, level again. Complete main frame and sill installation by checking shims and securing it with the 6" from corners remaining installation screws. (Note: be sure to shim behind frame at keeper). Check frame for straightness and distortion from screws and adjust if necessary. Snap the installation screw covers into place.

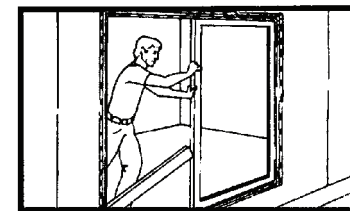


13. Locate the stationary panel riser and determine which side of door the stationary panel will be installed. Make sure leg on fixed panel riser is inserted into groove in sill. Also, place riser so that it fits against wall of jam. Place bead of sealant along bottom, of the fixed panel riser. Install the main frame with two #8x3/4" flat head screws. Place bead of sealant along top, bottom and open end of panel riser.

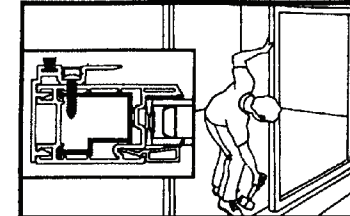
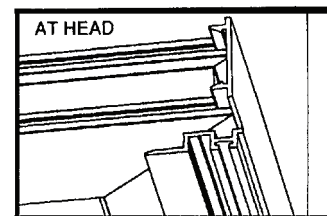
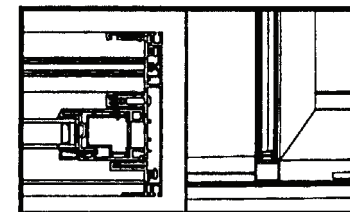
14. Install the stationary panel by lifting it into the outside head pocket of main frame. Install on riser as shown, making sure external face of panel is outside.



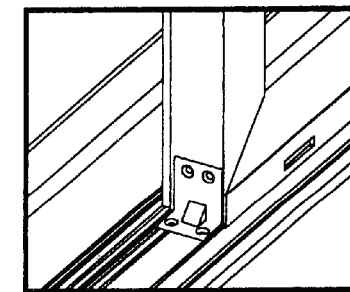
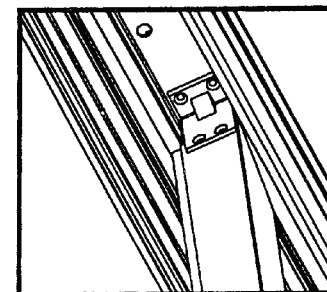
15. Push the panel tight into the stationary jamb pocket. Use a wedge if needed to fully seat the panel in pocket. Panel should be flushed with end of panel riser. Next install the panel to the main frame with a three #8 x 3/4" flat head screws. One screw at top, center and bottom. Screws should be installed in weatherstripping slot of main frame into stationary panel. Next attach the panel to the riser with two #8 x 3/4" Phillips painted flat head screws at the dimple location on the panel.



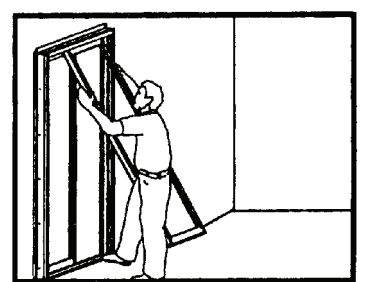
16. Stationary panel interlock may now be installed and will seal exposed end of riser. Install interlock with block of wood and hammer as shown. Make sure weatherstripping groove of interlock is butted at head and sill. Interlock should hang over interior face of panel. Attach the interlock with three #8 x 3/4" Phillips flat head screws (one in center and one at each end); snap the interlock screw cover in place.



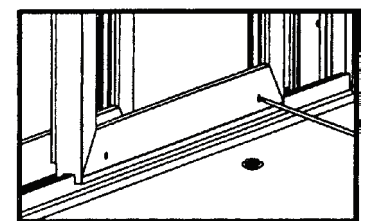
17. Install head and sill brackets on the stationary panel interlock as shown. Brackets must be flushed with the exterior edge of the interlock. In the four screw brackets, use two #8 x 3/4" screws on the stiles and two #8 x 3/4" screws on the head and sill.



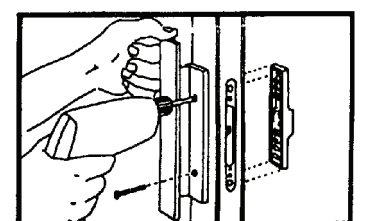
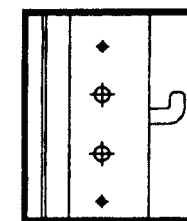
18. Install operating panel by lifting it into the inside head pocket and placing rollers on the roller track. Close door.



19. Adjust operating panel height with Phillips head screwdriver so door is plumb and moves freely. (Note: Relieve pressure on roller camp by using a screwdriver to help lift panel while adjusting. Check alignment of panel stile and adjust rollers to align if necessary).



20. Adjust the lever arm on the wood handle to align the screw holes on the handle to those on the jamb. Install the mortise lock* by rotating the latch to the lock position. Attach locking pliers to the latch hook and insert into notched hole in stile. Note the pliers are used to hold mortise lock while inserting to prevent dropping the lock into the lock stile. Attach with two machine screws provided*. For installations with lock cylinder, knock out plug on exterior handle and insert cylinder into handle. Install the interior handle (wood) and the exterior handle (metal). Put the wood handle in place as shown. Be sure that the interior lock lever is down. Insert 2-1/8" #8 x 32 Phillips* head screws in wooden handle. Screw into the threaded receivers in the outside pull handle.

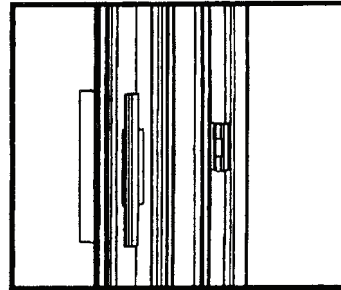


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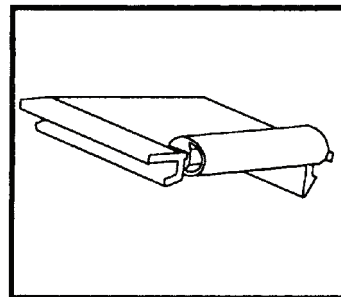
Patio Door

Installation & Instructions *Fastener Diagram*

21. Install the lock keeper* on the side jamb with #8 screws provided. Note that elongated slot provided room for strike adjustment. Do not tighten screws completely. Now read just the height of the lock keeper as needed. Tighten screws to maintain that correct height.



22. Install the mobile panel stop by hooking it into the center leg of the head. Then snap it across the mobile panel track at the stationary panel jamb to complete the stop installation.



23. Install the latch keeper* in the screen pocket. Now adjust the screen for operation, using the adjustment screws on the screen frame. Adjust the keeper for proper strike of the lock. *These items are in the handle packet.

24. Proper Flashing and sealing is necessary as a barrier to prevent water from infiltrating the building. When using flexible paper flashing a 9 inch minimum width must be used. Flashing material should also carry a continuous identification on the exterior. Always use flashing that meets or exceeds the ASTM D-779 standards.

25. If installing large doors or doors with high wind load requirements, install interior and exterior blind stops along the jambs, head and sill (if not already present). The blind stops are recommended to be 3/4" to 1/2".

26. (Pocket Replacement) It is the responsibility of the homeowner, contractor or installer to ensure any exposed unfinished vinyl is covered or finished. Possible methods include, however are not limited, covering with aluminum coil stock or painting.

27. Finishing the exterior of the door is very important to the over- all weatherability of the unit. Trim the opening and cap off any gaps. Seal the entire perimeter of the door with the proper silicone caulk (can be purchased from Window Mart Dealer). It is important that the application of sealant and installation of product happen in rapid succession. Do not allow sealant to dry and form a skin prior to bedding the door product into the sealant.) **DO NOT SILICONE OVER WEEP HOLES! MUST BE ALLOWED TO FLOW MOISTURE FROM INSIDE OF UNIT!**

Finish off the interior of the door with silicone.

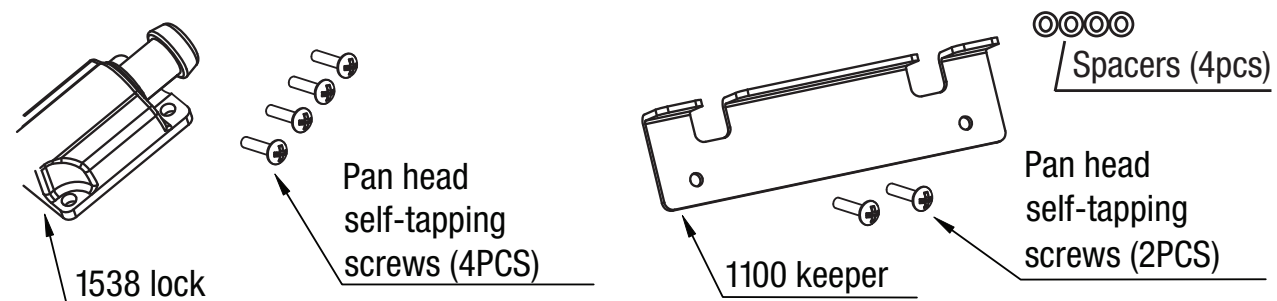
28. Remember... the homeowner is the final inspector. Clean the door well and remove all debris from the job site. Be sure the homeowner is familiar with the proper operation and adjustments and all the features of the door.

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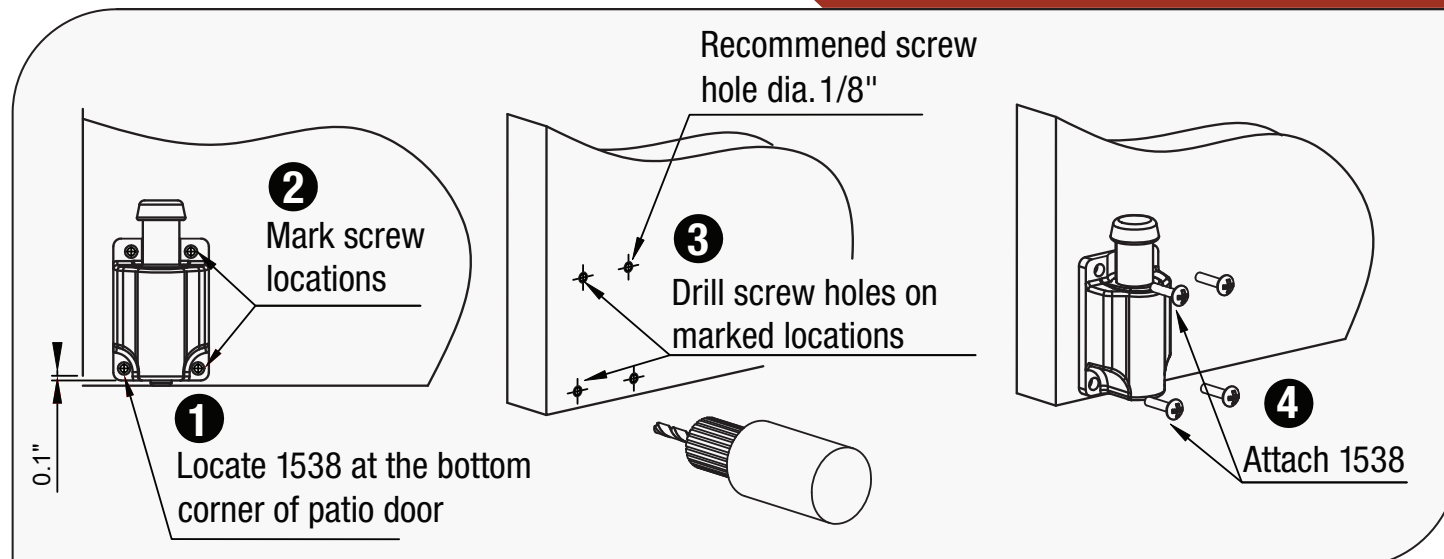
This completes assembly and installation of a two-panel door.

Patio Door Foot Bolt

Installation & Instructions *Fastener Diagram*



1538 installation method:



1100 installation method:

