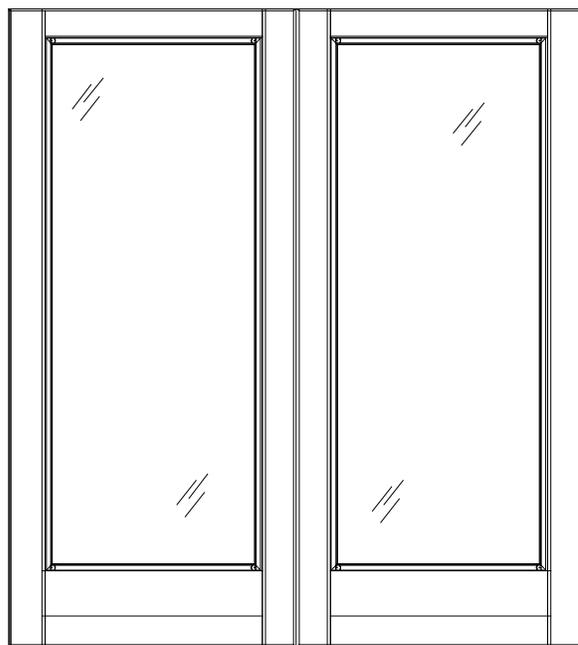
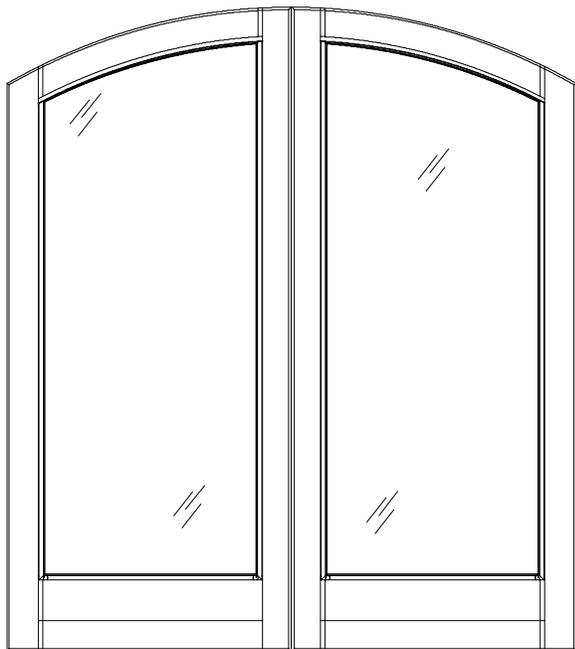


Combination for Ultimate Wood Inswing French Doors Installation and Finishing Instructions



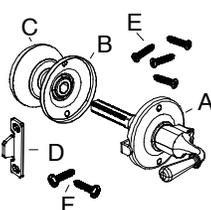
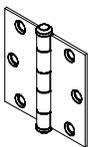
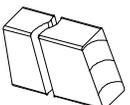
BEFORE YOU BEGIN

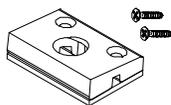
IMPORTANT: Read these instructions thoroughly before beginning to install your Combination for the Wood Inswing French Door. Failure to install as recommended will void any warranty, written or implied. Regional applications and standards may vary, therefore Marvin Windows and Doors is not responsible for interpretations of local codes and/or ordinances. Installation of Marvin products is the sole responsibility of the installer, contractor, structural engineer, architect, building owner and/or consumer. After installation is completed, these instructions should be retained by the building owner. For additional information, consult your local Marvin dealer.

CAUTION: This combination panel is glazed with tempered glass and if broken must be replaced with tempered glass. This is in accordance with state and federal laws.

NOTE: When specifying or considering the structural load requirements for windows and doors, it is important to consider the method of fastening the unit(s) into the opening. The methods contained herein may not be appropriate for all performance requirements. Selection of the appropriate fastening method is the sole responsibility of the installer, contractor, structural engineer, architect, building owner and/or consumer.

WARNING: Practice safety! Wear safety glasses or goggles and appropriate hearing protection when installing or performing adjustments to a Marvin window or door product.

STANDARD PARTS SHIPPED WITH UNIT		
Illustrations (not to scale)	Description and Color	Part/Profile Number
	Brass combination door entry handle assembly <i>Includes:</i> 1 - Interior locking handle assembly with rose (A) 1 - Exterior rose (B) 1 - Exterior handle with set screw (C) 1 - Strike 05700033 (D) 4 - #5 x 5/8" Phillips oval head wood screws (E) for handle 2 - #8 x 1" panhead wood screws (F) for strike	11100301
	Solid brass butt hinge <i>Includes:</i> Hinge #8x3/4" Solid brass screws	02100547
	Top rail weather strip	15649099
	#8 x 3" mull casing extender screws 6 9/16" jamb and over	11800830
	#7 x 3/4" stationary bracket screws (4 per bracket)	11800760
	Stationary panel brackets	11841000
	Solid brass head casing receptacle	02540664
	Mull casing extender 6 9/16" jamb (and over) Available in bare wood or primed	See your Marvin dealer for details.

STANDARD PARTS SHIPPED WITH UNIT		
Illustrations (not to scale)	Description and Color	Part/Profile Number
	Sill strike with screws 6 9/16" jamb (and over)	See your Marvin dealer for details.
	Screen panel inserts (for operating panels only) Surround color: White, Brown, Pebble Gray, Bronze and Evergreen	See your Marvin dealer for ordering screen inserts
	Storm panel inserts Surround color: White, Brown, Pebble Gray, Bronze and Evergreen	See your Marvin dealer for ordering storm inserts

INDEX	Page
Assembling the Active, Inactive and Stationary panel(s) . . .	2
Installing the Active, Inactive and Stationary panel(s)	2
Installing the Handle	4
Installing Combination Screen(s)	6
Removing Combination Screen(s)	6
Installing Storm panel(s)	7
Removing Storm panel(s)	7
Premium Handle Templates	8

YOU WILL NEED TO SUPPLY	
Safety glasses	Hearing protection
Electric drill	Hammer
Tape measure	1 1/4" brad nails
11/32" drill bit	5/64" drill bit
1/8" drill bit	15/16" drill bit or hole saw
Rubber mallet	Phillips #1 (small) screwdriver
Phillips #2 (medium) screwdriver	

REPLACEMENT PARTS

If replacement parts are needed, please contact your Marvin dealer.

NOTE: Numbers listed in parentheses () are metric equivalents in millimeters rounded to the nearest whole number.

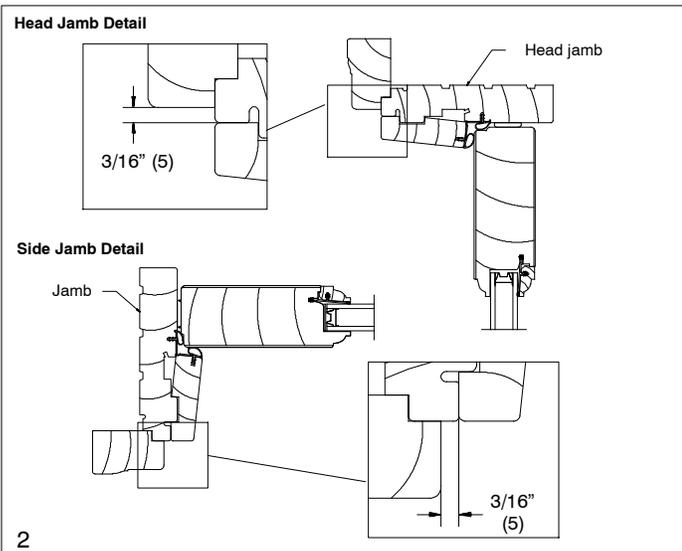
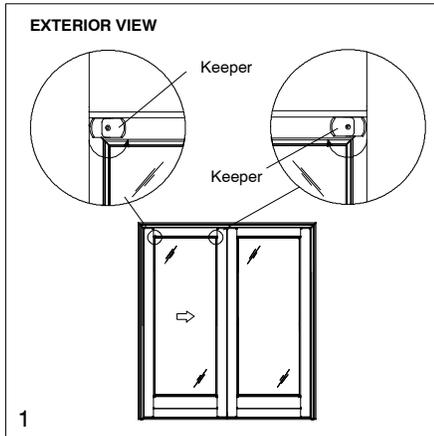
ATTENTION: Specifications and technical data are subject to change without notice.

ASSEMBLING ACTIVE, INACTIVE, AND STATIONARY PANEL(S)

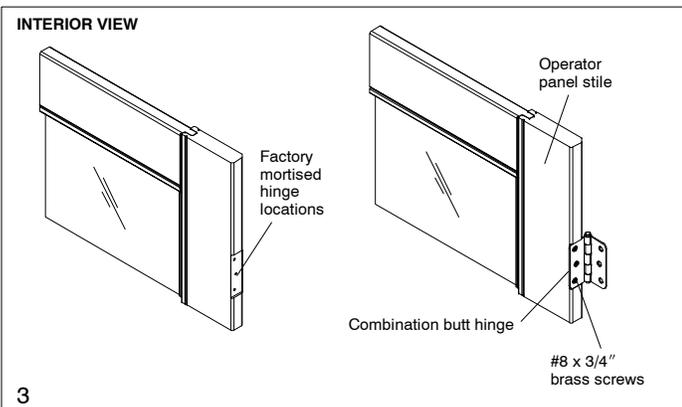
1. Remove storm inserts from door panel(s) using keepers located in each corner. See illustration 1. Apply interior and exterior finish before installing combination panel(s).

NOTE: For Arch Top and detailed instructions, see **REMOVING STORM PANELS**, page 7.

IMPORTANT: In the case of field applied exterior casing, it is imperative a 3/16" (5) reveal be maintained around the perimeter of the casing as shown in order for the combination assembly to fit properly. Please measure prior to installing combination panels. See illustration 2.



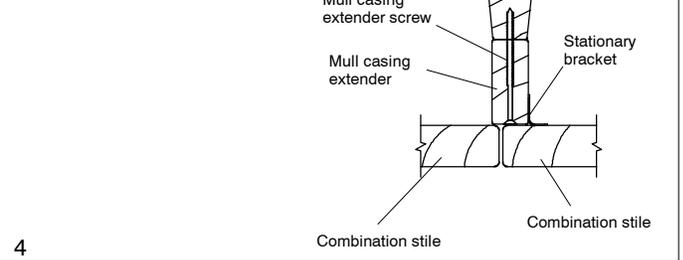
2. Check active and inactive panel(s) for factory hinge markings. Apply hinges to active and inactive panel(s) in mortised locations on door stiles using #8 x 3/4" Phillips head brass screws. See illustration 3.



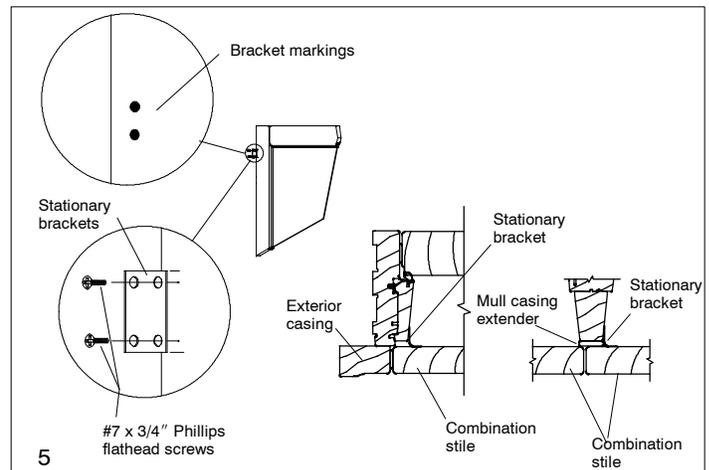
3. On stationary panel doors with 6 9/16" (and wider) jambs, apply mull casing extender to mull casing exterior. Attach with #8 x 3" screws into predrilled holes along extender. See illustration 4.

Mull Casing Extender Application

Stationary Panel - 6 9/16" and over jambs

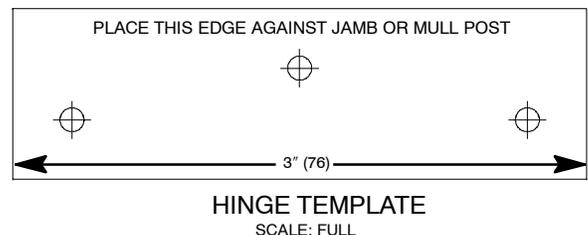


4. Place stationary panel into frame hold in place. Stationary panel brackets are to be installed 6" (152) from head jamb and sill and one at center on each stile. Hold the short side of the bracket against the combination panel and mark the holes on the stile. See illustration 5. Repeat at each location, remove combination panel. Apply stationary brackets to panel(s) using #7 x 3/4" Phillips head screws as shown in illustration 5.



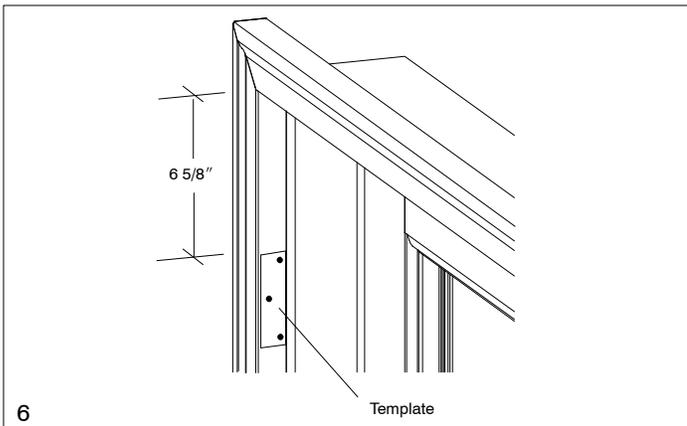
INSTALLING ACTIVE, INACTIVE AND STATIONARY PANEL(S)

5. Align active, inactive, and stationary panel(s) to match operation of installed French Door.
6. Attach active and inactive panel(s) that hinge to side casing (following your door configuration), using #8 x 3/4" brass screws. Measure down 6 5/8" (168) from the underside of the head jamb casing to determine hinge template location on the jamb casing. Cut out the template, place edge indicated against jamb and align top with mark from measurement, mark hinge screw locations using an awl. Drill hinge screw pilot holes at marked locations using a 1/8" drill bit. See illustration 6.

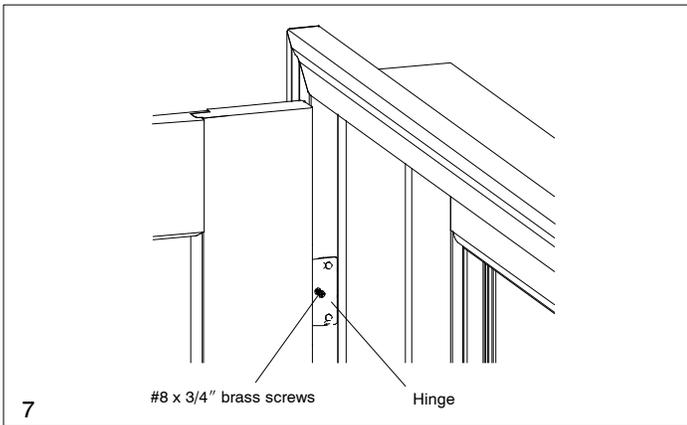


NOTE: Printing Tip: In the PDF print selection box under "page scaling" select "none".

ATTENTION: After printing this template from our website or an electronic file, check the measurement with the scale provided.



7. Position panel on unit as shown in illustration 7. Align and install #8 x 3/4" brass screw at top hinge center screw hole into casing. Position bottom hinge (attached to panel) flush against jamb. Drill a 1/8" (3) pilot hole in center hinge hole and secure with a #8 x 3/4" screw. Repeat this procedure for the remaining hinges. Check door operation and clearance. Drill remaining pilot holes and secure with remaining hinge screws.

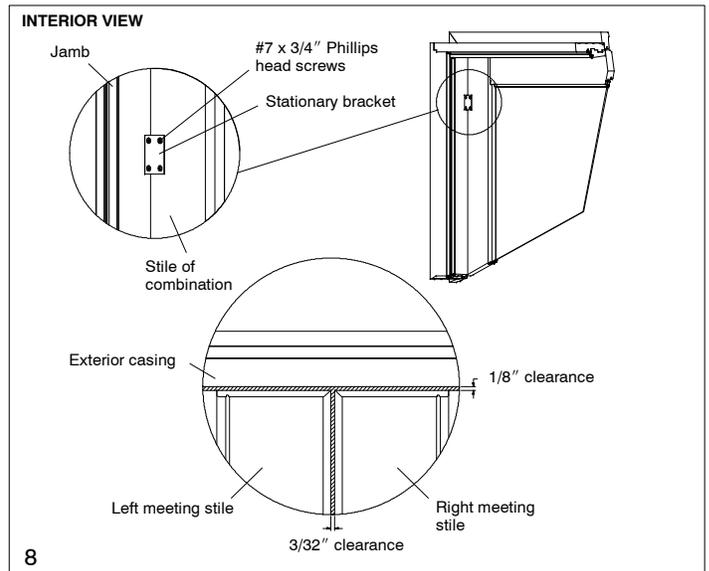


8. To attach stationary panel(s) (following your door configuration), install panel into frame against panel spacer tacks and part stop/mull casing maintaining 1/8" (3) reveal along head jamb. Secure stationary brackets to frame using #7 x 3/4" screws. See illustration 8.

NOTE: If your door configuration includes operating panel(s) that hinge on stationary panel(s), it will be necessary to mark hinge position on stationary door stile. Measure down 6 5/8" (168) from the underside of the head jamb casing to determine hinge template location on the stationary stile. Cut out template, place edge indicated against mull post and align top with mark from measurement. Mark hinge screw locations using an awl. Secure the panel to the stationary stile as similarly described in Step 7.

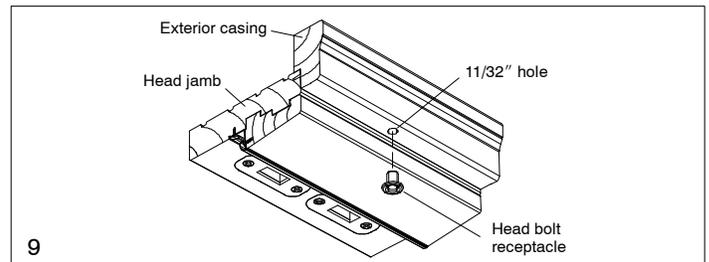
IMPORTANT: Stationary panel(s) with spacer tacks must be tight against side casing and part stop, and also should be plumb vertically and horizontally.

9. There should be a 1/8" (3) reveal along casing and top rail and 3/32" (2) between meeting stiles of door for proper operation. It may be necessary to remove combination panels and fit them to the frame by planing and sanding as needed. See illustration 8.

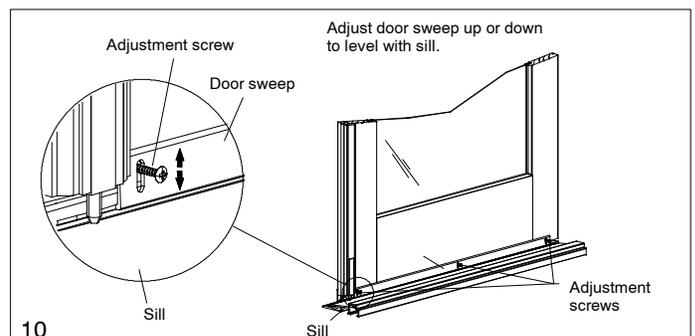


INSTALLING HEADBOLT RECEPTACLE

10. If your door configuration includes an inactive panel, close it completely and extend head bolt enough to make an indentation on the head casing. Open panel and mark location.
11. Drill hole for head bolt receptacle using an 11/32" drill bit. Place a good quality contractor's caulk/adhesive in hole. Gently tap brass receptacle into head casing using rubber mallet. See illustration 9.



12. Combination units for doors with 6 9/16" (and over) jambs come with a sill strike for the foot bolt on inactive panels which must be positioned and secured onto the sill. Close inactive panel and lock the head bolt. Remove backing from adhesive pad on the bottom of the strike. Insert strike under the foot bolt (screw holes to the interior edge) and engage foot bolt through strike to align. Press strike onto sill, retract foot bolt and open panel, predrill holes and install screws supplied.
13. Close inactive panel and engage head/foot bolts. Loosen screws in door sweep to adjust, if needed. See illustration 10. The sweep should just make contact with the sill along the entire length of the bottom rail. Apply handle set and strike as shown in the "Installing the Handle" section that follows. Close active panel and adjust sweep along bottom rail, if needed. See illustration 10.



INSTALLING THE HANDLE



ATTENTION: Do not use the templates below for the optional Premium Handle Set (see templates for the Premium Handle Set on the last page of this instruction).

Two templates are provided, it is important the appropriate template is used.

Panel Closing Against Frame Parting Stop or Mullion Post

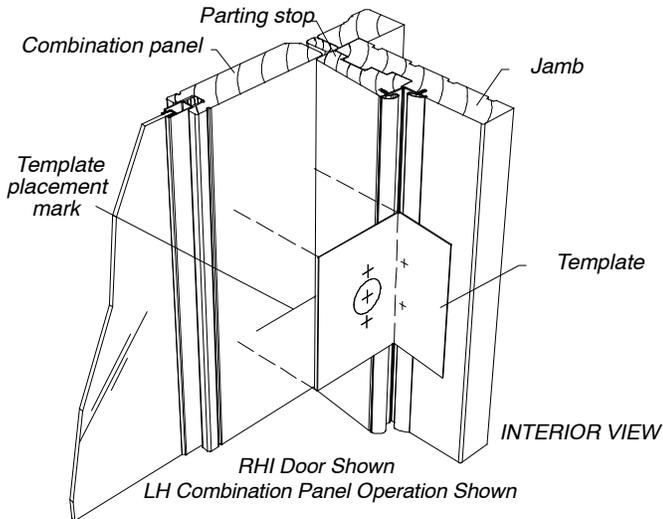


Illustration 1

1. Measure up from the bottom of the panel $36\frac{3}{4}$ " (933) and lightly mark a line along the interior face of the locking stile. Close combination panel tightly against parting stop or mullion post and place bottom of TEMPLATE A along line on stile and against frame parting stop or mullion post as shown in illustration 1. Template must be oriented for right or left hand operation (depending on panel configuration). Mark center bore and screw locations for handle assembly and strike. Proceed to step 2.

Panel Closing Against Meeting Astragal

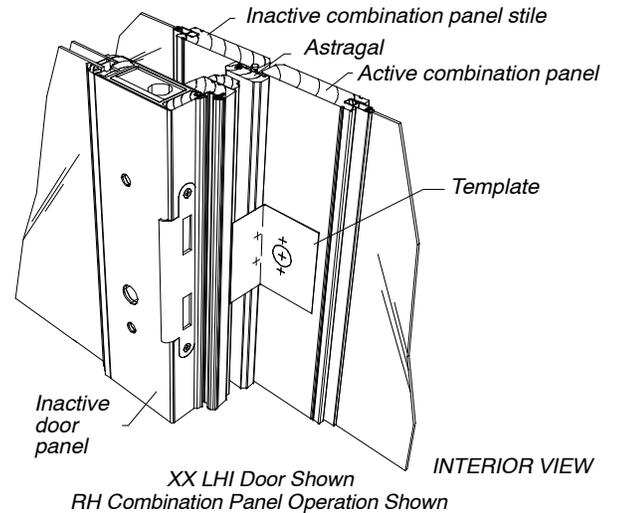


Illustration 2

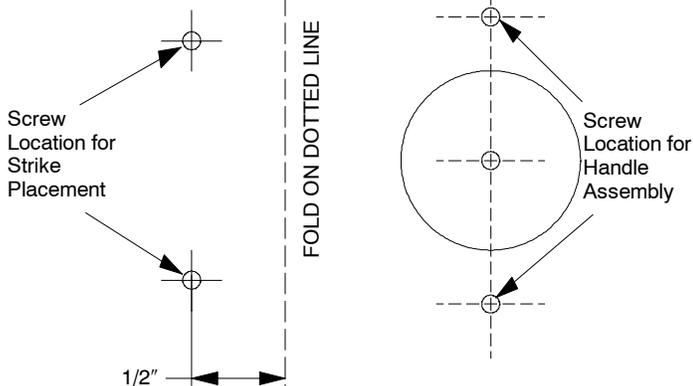
1. Measure up from the bottom of the panel $36\frac{3}{4}$ " (933) and lightly mark a line along the interior face of the locking stile. Close combination panel tightly against meeting astragal and place bottom of TEMPLATE B along line on stile and against meeting astragal as shown in illustration 2. Template must be oriented for right or left hand operation (depending on panel configuration). Mark center bore and screw locations for handle assembly and strike. Proceed to step 2.

TEMPLATE A

Use this template where panel closes against frame parting stop or mullion post.

Top of Template Right Hand Panels Opening Out

This Side on Frame Parting Parting Stop or Mull Post



Top of Template Left Hand Panels Opening Out

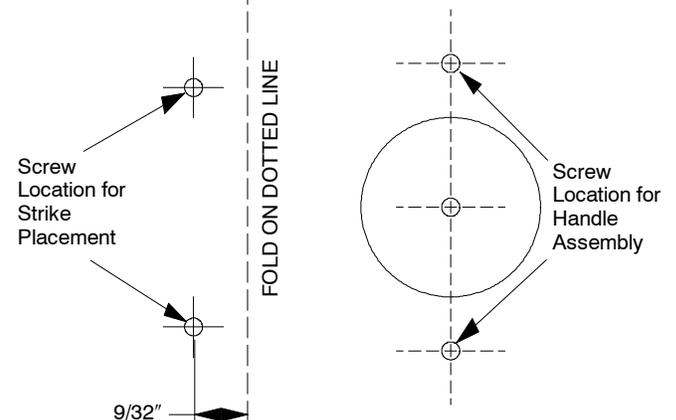
Important: Template must be centered and panel must be tightly closed to insure accuracy of handle and strike placement.

TEMPLATE B

Use this template at the meeting astragal between two operating panels.

Top of Template Right Hand Panels Opening Out

This Side on Astragal



Top of Template Left Hand Panels Opening Out

Important: Template must be centered and panel must be tightly closed to insure accuracy of handle and strike placement.

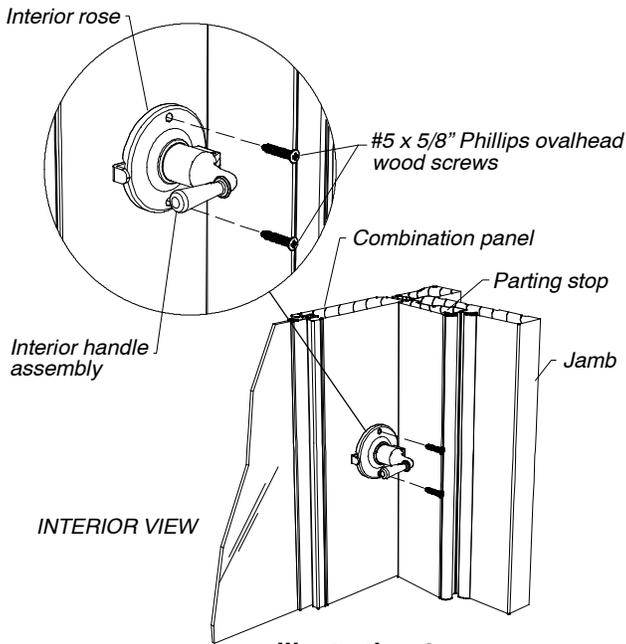


Illustration 3

2. Predrill center bore with a 15/16" bit or hole saw and mounting screw pilot holes at handle locations using a 5/64" bit. Pre-drill pilot holes at strike locations using a 1/8" bit. Install interior handle assembly using #5x5/8" Phillips oval head wood screws. Do not over tighten. See illustrations 3.

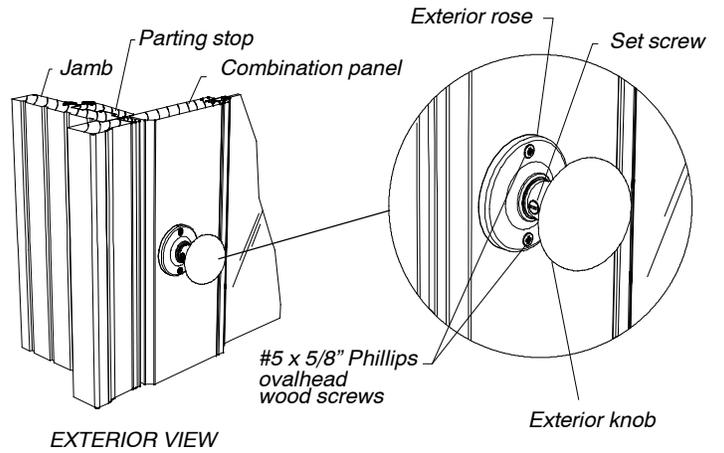
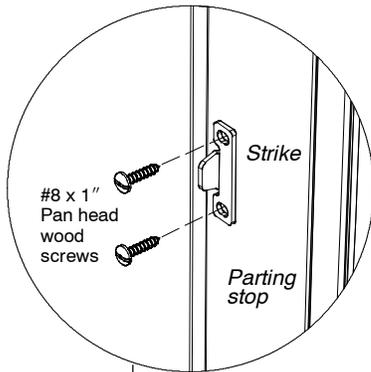


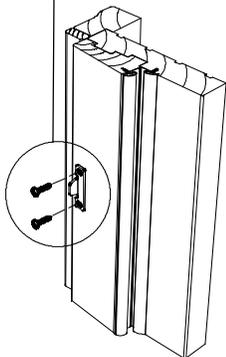
Illustration 4

4. Place exterior rose over spindle and install outside knob. Tighten against rose. Vertically align screw holes and mark location on panel. Remove knob and rose and pre-drill pilot holes using a 5/64" bit.
5. Install exterior rose by using #5x5/8" Phillips oval head wood screws. Do not over tighten. Screw outside knob on spindle until tight then back off until assembly operates smoothly. See illustration 4. Tighten knob set screw against flat portion of spindle.

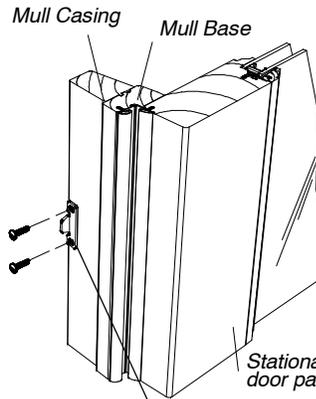
Parting Stop



*INTERIOR VIEW
LH Panel Operation Shown*



Mullion Post



*INTERIOR VIEW
LH Panel Operation Shown*

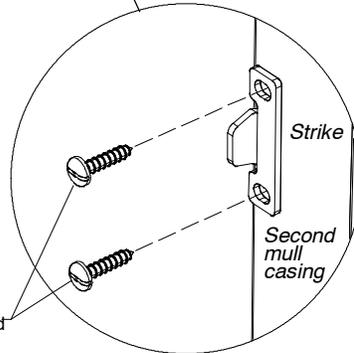
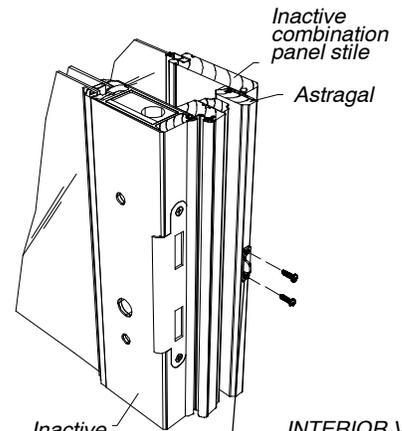
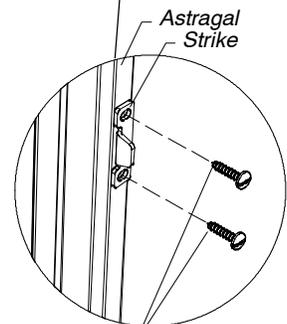


Illustration 5

Astragal



*INTERIOR VIEW
RH Panel Operation Shown*



#8 x 1" Pan head wood screws

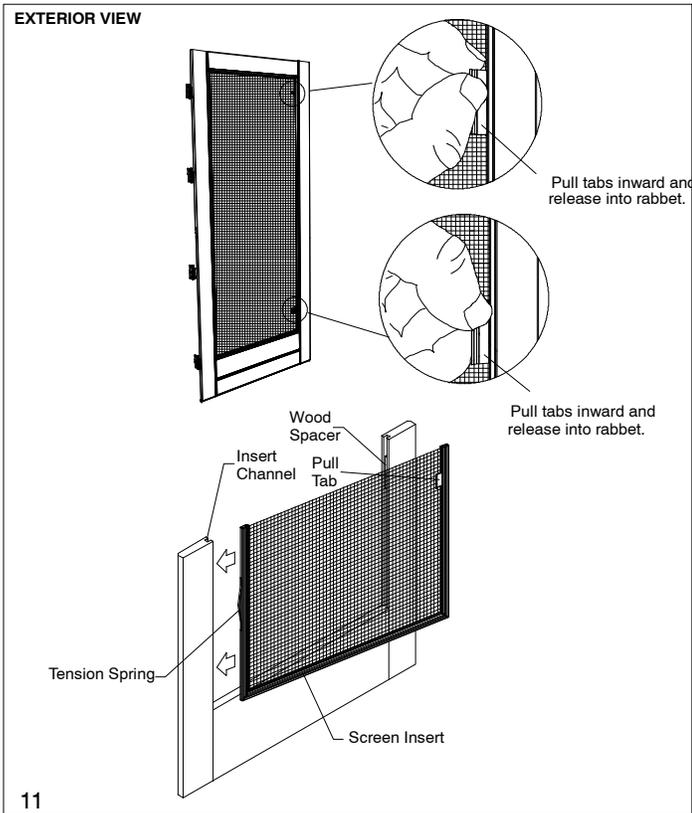
3. Install strike on parting stop, mullion post or astragal (depending on configuration) using #8x1" pan head wood screws as shown in illustration 5. Do not over tighten.

6. Check operation of combination panel and handle assembly. Adjust strike as needed.

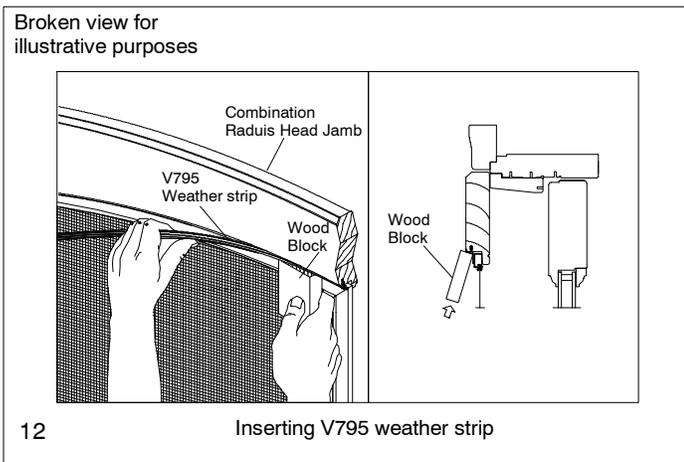
INSTALLING COMBINATION SCREENS

Note: The combination inserts are installed from the exterior

1. To install combination screen, locate channel with wood spacers. Slide side of screen with tension springs into opposite channel. Grasp pull tabs and draw screen away from stile until screen clears stile and slips into the insert channel and let go of the pull tabs. See illustration 11.



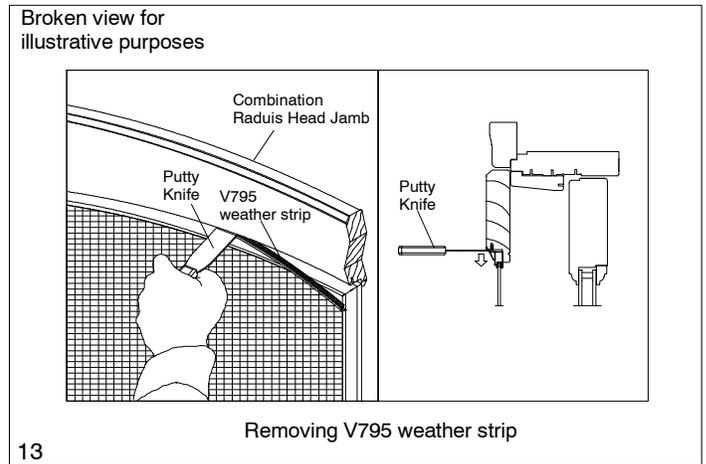
2. Install top weather strip (V795) at this time by manually pushing it into the kerf or using a small wood push block. See illustration 12.



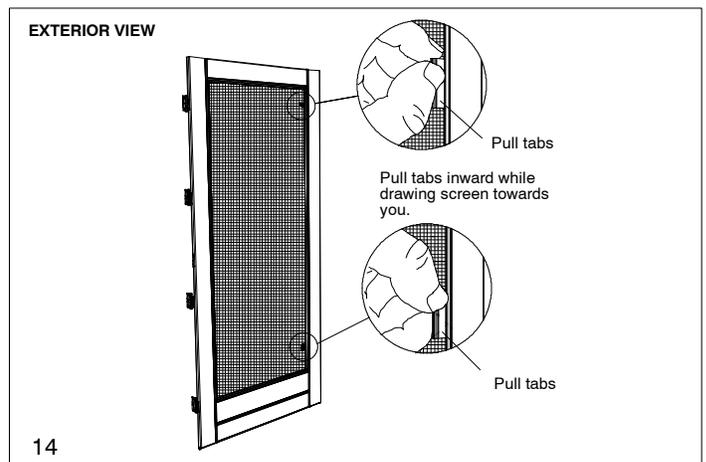
REMOVING COMBINATION SCREEN

Note: The combination inserts are removed from the exterior

3. Remove weather strip from the top of the screen insert. Use a small putty knife to assist in pulling the weather strip away from the kerf. See illustration 13.



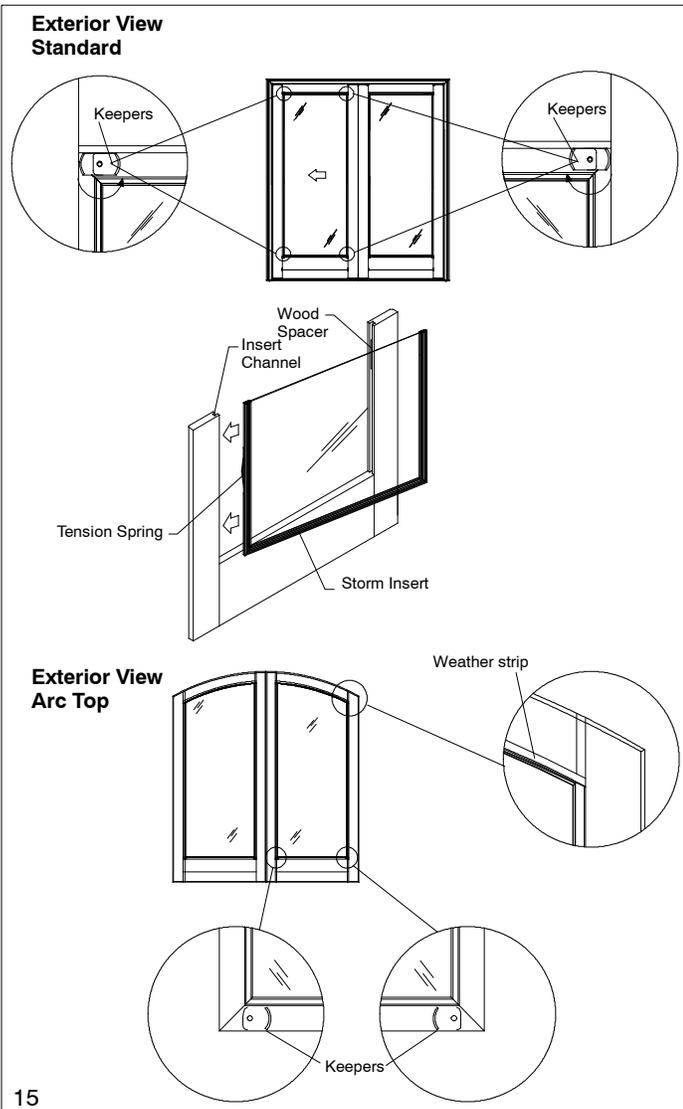
4. Remove screen insert by grasping the pull tabs and draw screen away from the stile. When screen insert clears the stile rabbet draw screen inward and remove. See illustration 14.



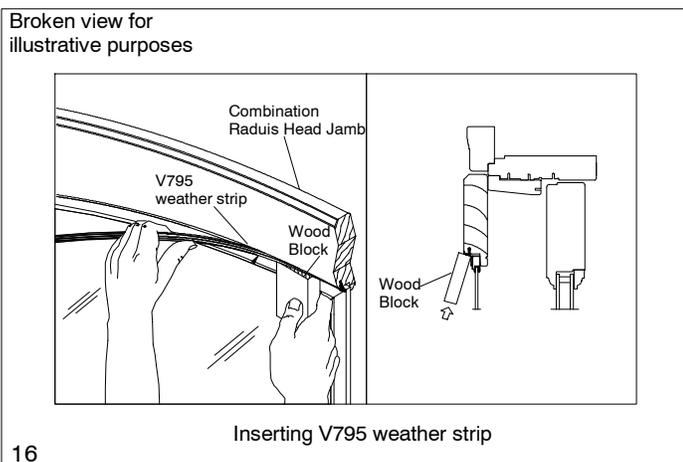
INSTALLING COMBINATION STORM PANEL

Note: The combination inserts are installed from the exterior

- To install combination storm panel, rotate keepers on the storm insert so they face each other. See illustration 15. Locate channel with wood spacers, slide the storm insert into the opposite channel. Push the storm insert into place, slide back against the wood spacers and rotate keepers to face door stiles.



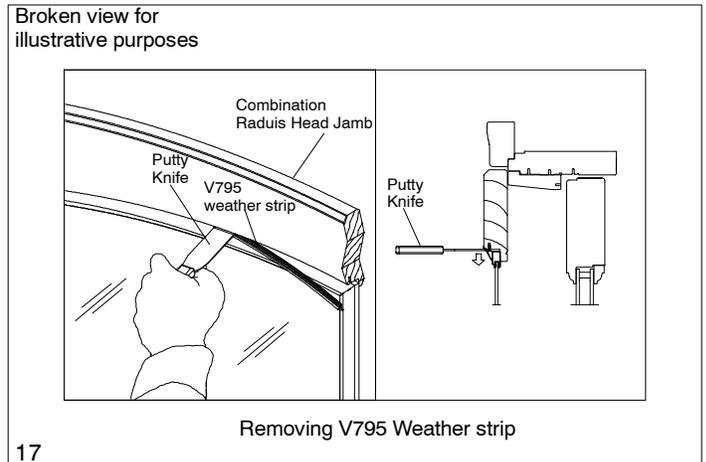
- Install weather strip across the top of the insert. See illustration 16.



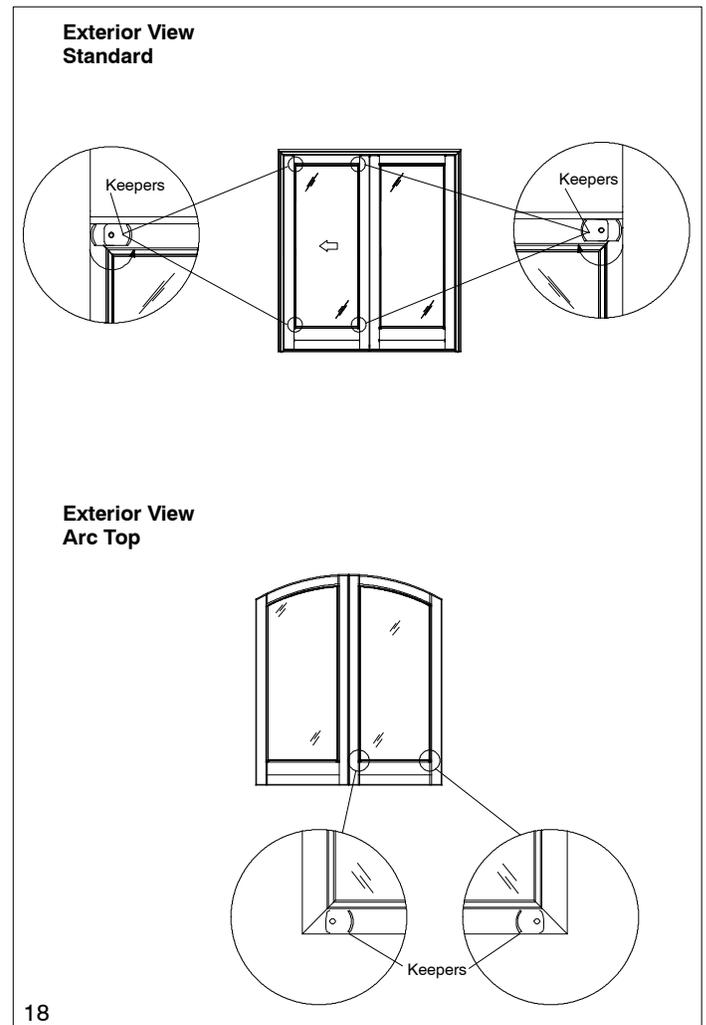
REMOVING COMBINATION STORM PANEL

Note: The combination inserts are removed from the exterior

- Remove weather strip from the top of the storm insert. Use a small putty knife to assist in pulling the weather strip away from the kerf. See illustration 17.



- Rotate keepers so that they face each other. Slide panel to one side allowing storm insert to clear opposite stile. Carefully remove storm insert from panel. See illustration 18.

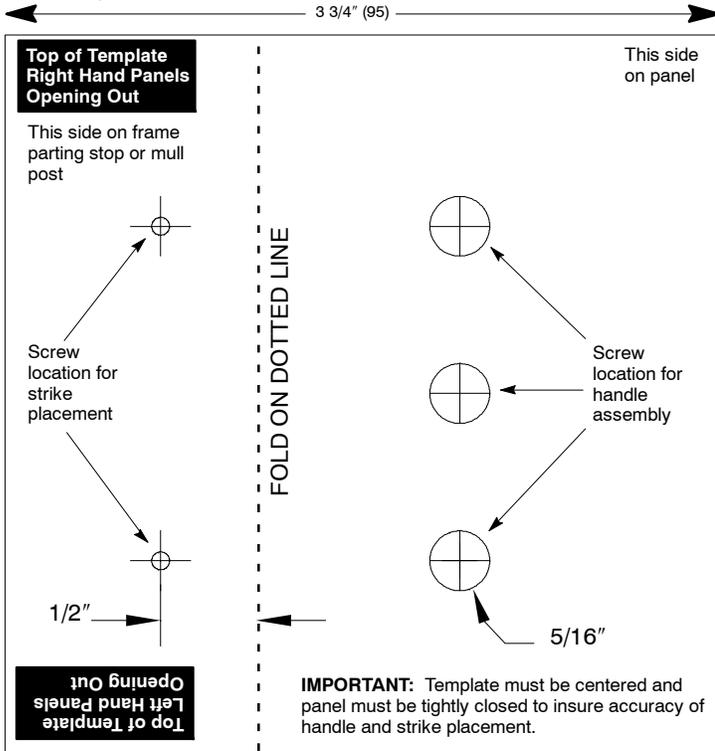


PREMIUM HANDLE TEMPLATES

Note: Two templates are provided, it is important the appropriate template is used. The Premium Handle installation instructions are sent with the handle.

Template A (wood swinging screen door)

Use this template where panel closes against frame parting stop or mullion post.



Template B (wood swinging screen door)

Use this template at the meeting astragal between two operating panels.

