

Panel Assembly and Installation Guide



Product Series:

400 Series Frenchwood®,
200 Series Narroline®, 200 Series Perma-Shield® and
200 Series Perma-Shield with Performance Grade (PG) Upgrade

Read these instructions before starting procedure.
For additional information visit www.andersenwindows.com.
For questions call 1-888-888-7020.

Para obtener una versión en español de esta guía,
visite el sitio www.andersenwindows.com

Product Type: Gliding Patio Doors and Stationary Sidelights

Parts Included:

Stationary Panel Carton Contains:

- (1) Stationary Door Panel
- (1) Side Jamb Wood Trim Piece
- (1) Instruction Guide

Operating Panel Carton Contains:

- (1) Operating Door Panel
- (1) Operating Panel Wood Trim Piece

Tools and Supplies Needed:

- Safety Glasses
- Hammer
- Caulk Gun
- Sealant
- Drill/Driver
- 1/8" Drill Bit
- 1/16" Drill Bit
- 3/64" Drill Bit
- Phillips Screwdriver
- Flat Blade Screwdriver
- Finish Nails
- Nail Set
- 2 x 4
- Wood Blocks

IMPORTANT

- The Door Frame (furnished in a separate carton) must be installed into opening before proceeding with panel installation.
- Panel Hardware and Interlock Weatherstrip (both included in the Frame Package) are also needed.

IMPORTANT

Finishing Interior Surface of Panels

400 Series Frenchwood® and 200 Series Narroline® Gliding Patio Doors have a rigid vinyl exterior surface. The interior surface and trim pieces must be finished (painted, stained, etc.). For ease of finishing it is recommended that it be done prior to panel installation. Refer to manufacturer's finishing and painting recommendations.

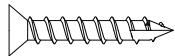
Screw/part packs packaged with frame and panel assembly components:

Stationary Panel Installation Pack:
(two packs included for 4-panel patio doors)

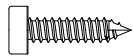
BAG
B



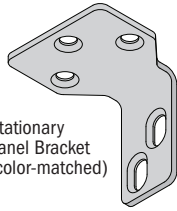
(4 or 6) #8 x 1" Gray Screw
(quantity dependent on patio door size)



(5) #8 x 1" Color-Matched Screws



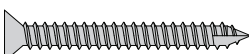
(9 or 11) #7 x 5/8" Color-Matched Screws
(quantity dependent on patio door size)



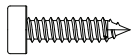
(1) Stationary Panel Bracket
(color-matched)

Operating Panel Installation Pack:
(two packs included for 4-panel patio doors)

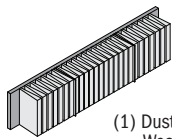
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(5,7, or 10) #8 x 1-1/2" Color-Matched Screw
(quantity dependent on patio door size)



(9 or 11) #7 x 5/8" Color-Matched Screw
(quantity dependent on patio door size)



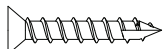
(1) Dust Plug Weatherstrip



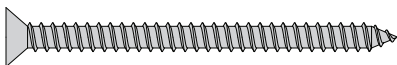
(2) Panel Hole Plug
(not provided with Perma-Sheild Patio Doors)

PG/IR Pack:

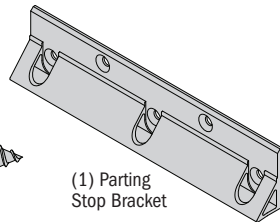
(Included for Performance Grade (PG) Upgrade or Impact-Resistant patio doors only)



(5) #8 x 1" Color-Matched Screw



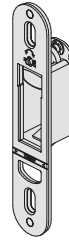
(3) #10 x 2-1/2" Gray Screw



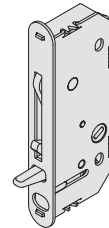
(1) Parting Stop Bracket

Lock Mechanism Installation Pack

(2-Panel Hardware Pack)



(1) 2-Panel Door Latch Receiver



(1) Reachout Lock



(1) #10 x 3" Security Screw

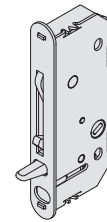
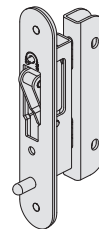


(2) #8-32 x 7/8" Machine Screw

or

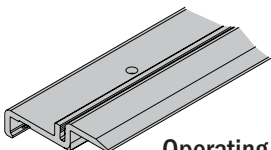
(4-Panel Hardware Pack)

(1) 4-Panel Door Latch Receiver

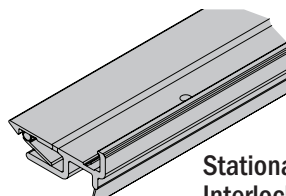


(1) Reachout Lock

Component Identification



Operating Panel Interlock Weatherstrip*



Stationary Panel Interlock Weatherstrip*

*Panel profile varies by product line. 400 Series Frenchwood® Gliding Patio Door shown.

Important Safety and Product Information

for Andersen® Windows and Doors



This is the Safety Alert Symbol used to alert you to potential injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

Signal Word and Consequence

COULD

Result in:



WARNING

Major Injury/Death

COULD

Result in:



CAUTION

Minor Injury

COULD

Result in:

NOTICE

Product or Property Damage

IMPORTANT

Procedure and Product Information

Read this Important Safety and Product Information completely before starting.

Safety and Product Information Index

- | | |
|----------------|-----------------------|
| ■ Tools | ■ Glass |
| ■ Handling | ■ Protective Film |
| ■ Installation | ■ Cleaning |
| ■ Sealing | ■ Use/Operation |
| ■ Fastening | ■ Joining |
| ■ Finishing | ■ Product Information |

- Leave this installation instruction with the home/building owner
- For additional support or help please go to: help.andersenwindows.com
- To configure installation instructions go to: andersenwindows.com/installation

Tools



WARNING

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

Handling



WARNING

- Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry, and install window and door products. Heavier windows and doors will require mechanical assistance. Failure to do so could result in injury, product or property damage.
- **DO NOT** lift or carry window or door by the exterior trim or extension jambs. Doing so could result in injury, product or property damage.
- Windows, doors, and installation components can have sharp edges. Wear protective equipment when handling. Failure to do so could result in injury.
- **DO NOT** drag, rock, cartwheel, or walk windows, doors, sash, or panels across the floor. Doing so could result in product or property damage.

Installation



WARNING

- Use caution when working at elevated heights and around window and door openings. Follow the manufacturers' instructions for ladders and scaffolding. Failure to do so could result in injury or death.
- Support window or door in opening at all times until fully fastened. Failure to do so could result in window or door falling out causing injury, property or product damage.
- Windows and doors have small parts (e.g. hole plugs, operator spline caps, fasteners, etc.). Small parts if swallowed could pose a choking hazard to young children. Dispose of unused, loose, or easily removed small parts. Failure to do so could result in injury.

Installation (Continued)

NOTICE

- Andersen head flashing and installation flanges **DO NOT** take the place of window and door flashing tape or liquid flashing. Window or door must be properly flashed and sealed with a material compatible sealant for protection against water and air infiltration. Failure to do so could result in product or property damage.
- **DO NOT** set window or door directly on installation flange. Doing so could affect product performance, and could result in product or property damage.
- **DO NOT** set window directly on sill plate. Elevate window with shims under the side jambs. Failure to do so could affect operation and product performance, and could result in product damage.
- Window or door must be properly shimmed. Failure to do so could affect operation and product performance, and could result in product damage.
- A continuous full perimeter interior seal between window or door frame and opening is required. Failure to do so will affect product performance, and could result in product or property damage.
- Protect window and door sills during installation and throughout construction. Failure to do so could result in product damage.
- **DO NOT** remove window or door packaging material until instructed to do so. Doing so could result in product damage.

Sealing



CAUTION

- Follow instructions of foam, sealant, and flashing manufacturers regarding safety, material application, compatibility, and periodic maintenance for continued weather resistance of their products. Failure to do so could result in injury, product or property damage.

NOTICE

- Clean and prepare surfaces receiving sealant following sealant manufacturer's instructions. Failure to do so could result in water infiltration causing product or property damage.

Fastening



WARNING

- Metal fasteners and components could corrode when exposed to preservative-treated or fire-retardant treated lumber. Use approved fasteners and components to fasten window or door. Failure to do so could cause a failure resulting in injury, product or property damage.
- Fastener must attach to a structural framing member with a 1-1/2" minimum fastener embedment. Failure to do so could result in injury, product or property damage.
- **DO NOT** remove screws that attach installation clips or gusset plates to window or door frames. Doing so could result in injury, product or property damage.

NOTICE

- Use masonry screws when fastening directly into masonry or through a buck into masonry. Failure to do so could affect product performance, and could result in product or property damage.
- **DO NOT** over drive screws or nails. Doing so could result in product damage.
- Fasteners must be attached to a structural framing member. Failure to do so will reduce the structural performance to less than published values and could affect product performance, and could result in product or property damage.

Finishing

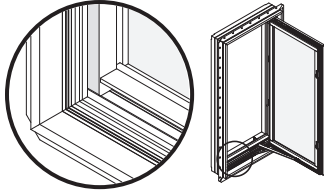
NOTICE

- **DO NOT** stain or paint weatherstrip, vinyl, glass, or hardware. Doing so could result in product damage.
- Read and follow finish manufacturer's instructions and safety information. Failure to do so could result in product damage.
- **DO NOT** over load brush with stain or paint when finishing. Doing so could allow finish to wick between glass stop or grille, and glass.

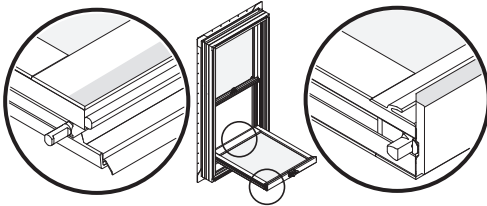
Finishing (Continued)

NOTICE

- Finish all wood surfaces immediately after installation. Unfinished wood will deteriorate, discolor, and could bow or split. Some surfaces are hidden from view.



- Some products are shipped unassembled, and it may be more convenient to finish wood surfaces for these products prior to assembly and installation.



Glass

WARNING

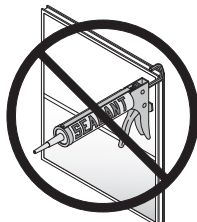
- Unless specifically ordered, Andersen windows are not equipped with safety glass, and if broken, could fragment causing injury. Many laws and building codes require safety glass in locations adjacent to or near doors. Andersen windows are available with safety glass that could reduce the likelihood of injury when broken. Information on safety glass is available from your local Andersen dealer.

- Tempered or laminated safety glass is not standard for windows and must be special ordered. Check local building codes for required locations. Failure to do so could result in injury, product or property damage.

NOTICE

- **DO NOT** apply any type of film to insulating glass. Doing so could cause thermal stress conditions and result in glass damage. Shading devices (e.g. insulated coverings, shutters, etc.) could also cause thermal stress and condensation causing deterioration of windows or doors.

- **DO NOT** use sealants on exterior or interior glass surface.



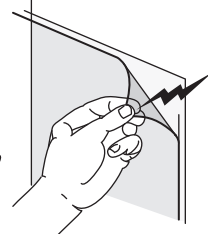
Protective Film

WARNING

- **DO NOT** place suction grips over film seams on glass. Suction grips will not hold if placed over film seam to lift or move window or door. Window or door will fall and could result in injury, product or property damage.



- **DO NOT** remove any protective film near flammable materials. Static charge created when removing film can ignite flammable materials or cause a shock. Doing so could result in injury, product or property damage. **See warning label on glass.**



- Dispose of protective film immediately after removing. Failure to do so could pose a suffocation hazard to children.

NOTICE

- **DO NOT** remove protective film from glass until after construction is completed. Doing so could allow glass to be damaged.
- Remove protective film from non-glass components immediately after installation. Failure to do so could result in product damage.

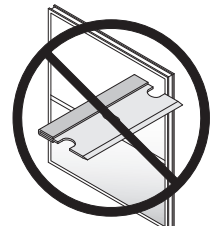
Cleaning

NOTICE

- Acid solutions used for cleaning masonry or concrete will damage all components of window or doors. Protect window or door and follow cleaning product manufacturer's instructions. If acid contacts window or door, wash all surfaces immediately with clean water.

- **DO NOT** use or apply solvents, abrasives, harsh chemicals or cleaners to window or door components. Doing so will result in product damage. For a list of recommended cleaners go to: andersenwindows.com

- **DO NOT** use metal razor blades to clean glass surface. Glass damage could result.



Use/Operation

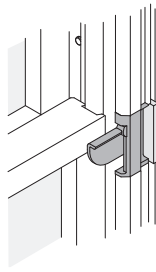
WARNING

- **DO NOT** stand in front of or near windows or doors during a storm. Doing so could result in injury. Accessories such as grilles, art glass, and insect screens could dislodge and become airborne if window or door is impacted by wind-borne debris from severe storms or hurricane strength winds. In the event of a storm, remove all accessories from windows or doors and move to a safe location.

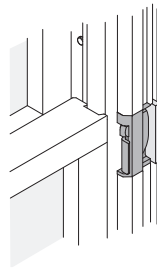
- **DO NOT** install air conditioner in window. Doing so could result in injury, product or property damage.



- Wind load brackets must be flipped out when not tilting or cleaning. If wind load brackets are not flipped out, window could blow in resulting in potential injury and/or product damage.



Flipped Out



Flipped In

CAUTION

- **DO NOT** attach objects or accessories to window or door except Andersen® products specifically designed for the window or door. Doing so could result in injury, product or property damage.

Joining

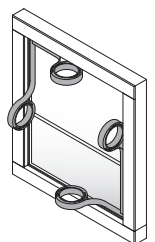
WARNING

- **DO NOT** join any window or door, horizontally or vertically, to any window or door not designed for joining. Doing so could result in injury, product or property damage.
- Joined windows or doors must be individually supported in the opening. Failure to do so could affect operation and product performance, and could result in product or property damage.

Product and General Information

IMPORTANT

- Buildings constructed prior to 1978 could contain lead paint which could be disturbed during window or door replacement. For more information on proper management of lead paint, go to: www.epa.gov/lead
- Instructions may not be right for all installations due to building design, construction materials, or methods used and/or building or site conditions. Consult a contractor or architect for recommendations.
- Installation flanges may need to be removed for some installations. (e.g. masonry, replacement), or where exterior finish is already applied (e.g. siding, brick veneer, stucco).
- Installation flange on the window or door alone will not properly flash and seal the window or door.
- **DO NOT** remove band, plastic ties, or packing clips from window or door until instructed.
- **DO NOT** remove performance (NFRC) label until after final inspection. Doing so could delay final inspection and sign-off by the code official.
- Check with your local building code official to identify and confirm compliance with local building code requirements.
- Contact local authorities or waste management company for proper recycling and disposal instructions for removed window or door.
- For cleaning instructions for window and door components go to: andersenwindows.com.
- During construction protect products from construction debris, harsh chemical such as brick wash, roof runoff, and cement/masonry which can cause damage to window and door products.
- Protective film is not present on all windows or doors. Protective film is not a substitute for masking.
- Remove protective film from glass within six (6) months of installation and when temperature is above 32° F.
- Remove protective film by peeling from seam or corner. Use a plastic scraper to start if needed.
- Extension jambs can be factory applied on some windows or field applied prior to installation. **DO NOT** apply extension jambs prior to window or door installation that will be fastened with installation clips. Doing so could prevent access to installation clips for fastening.
- For extension jamb application refer to instructions included with part(s) or go to: andersenwindows.com
- Use painters masking tape for protecting products during construction. Avoid using duct or packaging tapes.



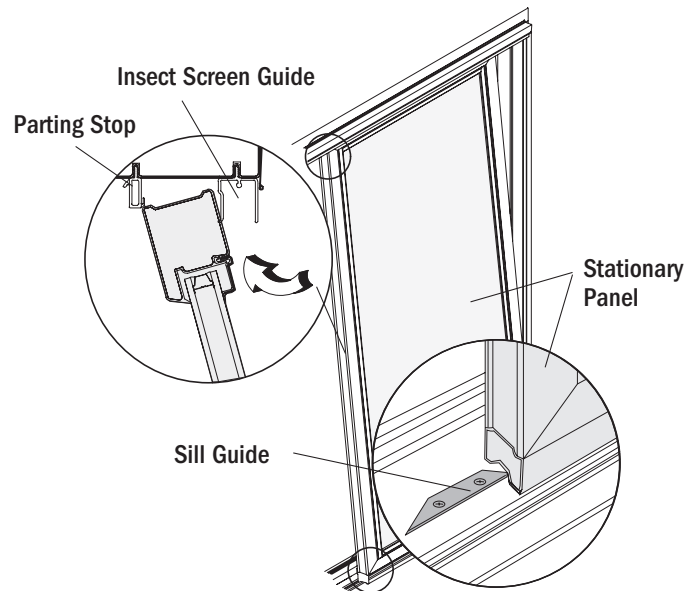
1. Install Stationary Panel (200 Series Perma-Shield® Gliding Patio Doors only)



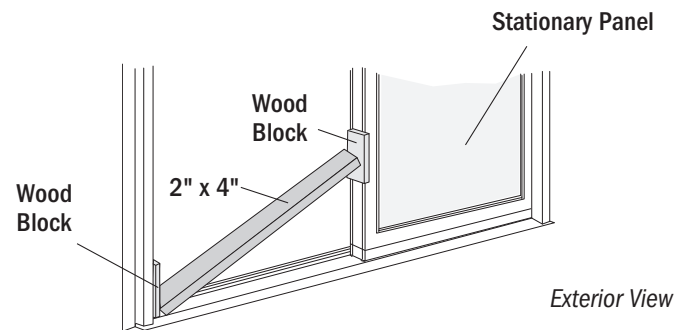
IMPORTANT

Stationary Panel Installation for **400 Series Frenchwood®**, **200 Series Narroline®**, or **200 Series Perma-Shield® Gliding Patio Doors with PG Upgrade**, proceed to **Page 8**.

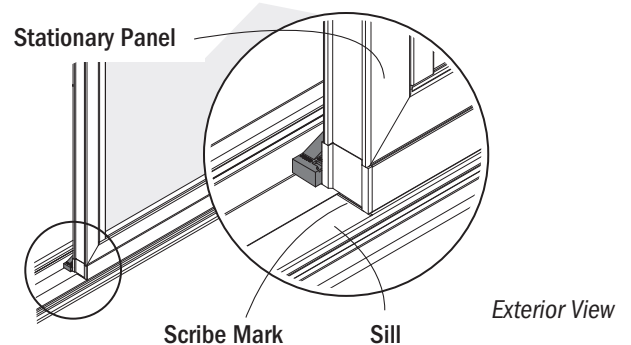
- From the exterior, lift the *Stationary Panel* and insert top between *Insect Screen Guide* and *Parting Stop* into operating side of frame.
- Set bottom of *Stationary Panel* onto *Sill* and slide sideways, over *Sill Guide* toward *Stationary Side Jamb*.
- Place a 2" x 4" wedge into opening to force *Stationary Panel* into *Stationary Side Jamb*. Use wood blocking at each end of wedge to protect unit.
- Check position of *Stationary Panel* by aligning with scribe mark on *Sill*.
- Drill 1/16" holes 3/8" deep into *Stationary Panel*, using holes in stationary *Sill Insert* as a guide.
- Fasten using #8 X 1" Gray Screws provided.



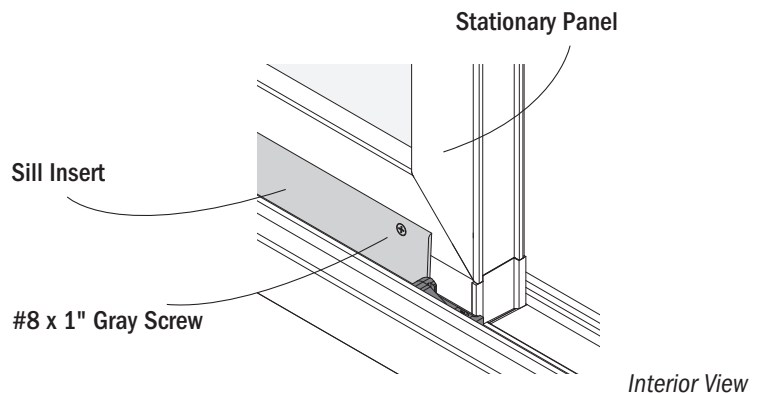
Exterior View



Exterior View



Exterior View



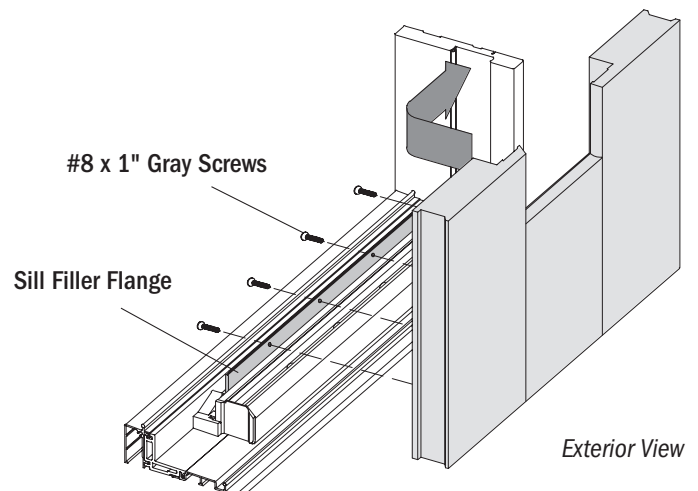
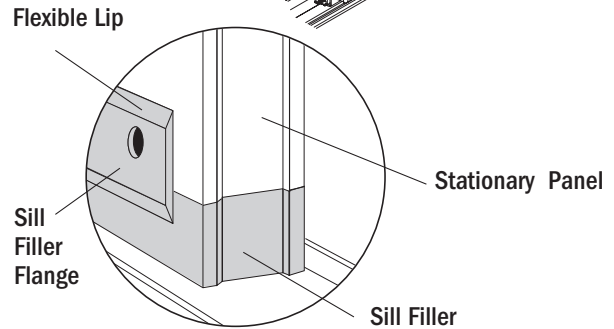
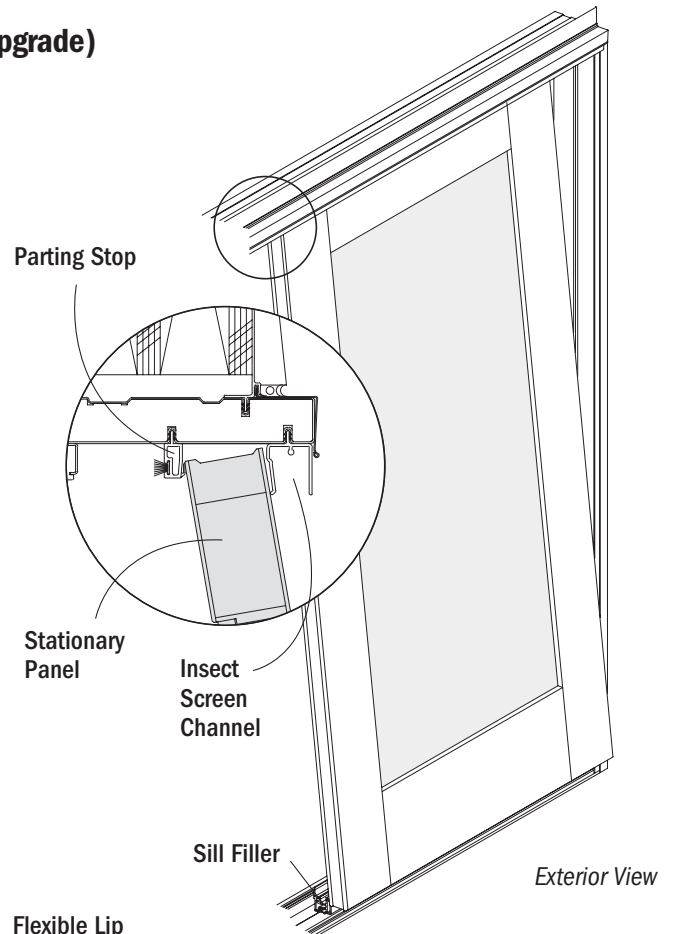
Interior View

1. Install Stationary Panel

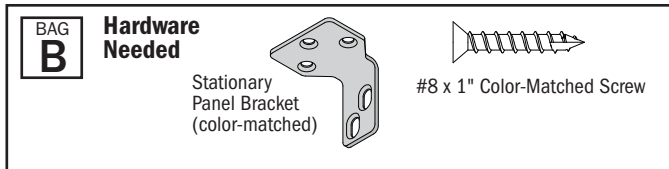
(400 Series Frenchwood®, 200 Series Narroline®, or 200 Series Perma-Shield® Gliding Patio Door with PG Upgrade)



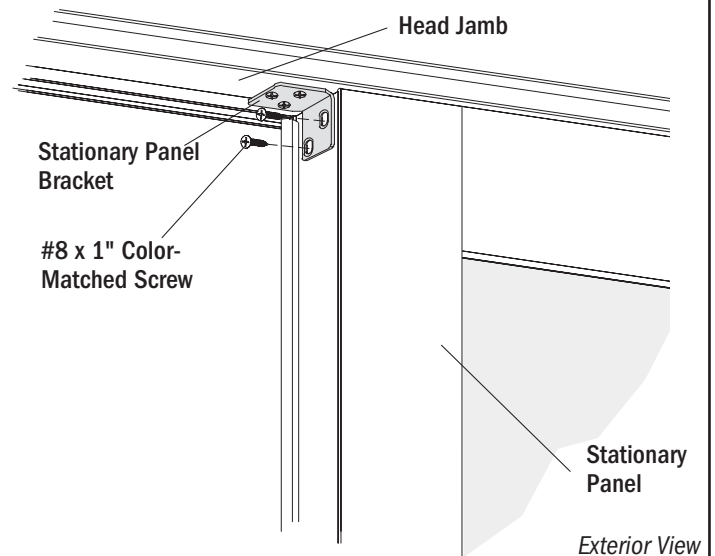
- From the exterior, lift the *Stationary Panel* and insert top between *Insect Screen Guide* and *Parting Stop*.
- Set bottom of *Stationary Panel* onto *Sill Filler* making sure it rests tightly against the *Flexible Lip* of the *Sill Filler Flange*.
- Slide *Stationary Panel* sideways into side jamb pocket until panel is flush with end of *Sill Filler* and the predrilled holes in panel line up with holes in *Sill Filler Flange*.
- For **200 Series Perma-Shield® Gliding Patio Doors only**, Drill 1/16" pilot holes, 1" deep into *Stationary Panel* through existing holes in *Sill Filler Flange*.
- Fasten with #8 x 1" Gray Screws.



2. Fasten Stationary Panel Bracket

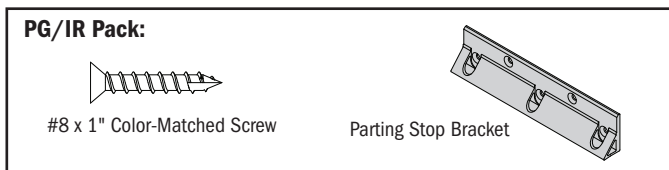


- Align *Stationary Panel Bracket* with predrilled holes in head jamb. Fasten *Stationary Panel Bracket* to head jamb using #8 x 1" Color-Matched Screws.
- For **200 Series Perma-Shield® Gliding Patio Doors**, drill 1/16" pilot holes through remaining holes into *Stationary Panel*. Drill holes approximately 1" deep. Fasten using #8 x 1" Color-Matched Screws.
- For **400 Series Frenchwood®, 200 Series Narroline®, or 200 Series Perma-Shield® Gliding Patio Door with PG Upgrade**, push *Stationary Panel* towards the interior until predrilled holes are visible. Fasten *Stationary Panel Bracket* to panel using #8 x 1" Color-Matched Screws.
- For **4-Panel Patio Doors**, repeat steps for second *Stationary Panel*.

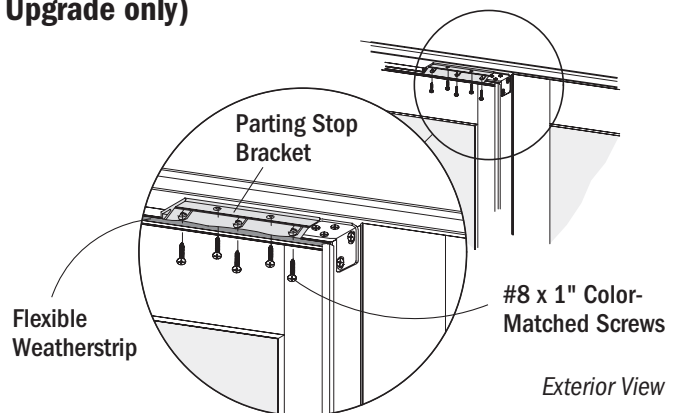


Panel profile varies by product line. 400 Series Frenchwood® Gliding Patio Door shown.

3. Attach Parting Stop Bracket - (200 Series Perma-Shield® Gliding Patio Door with PG Upgrade only)



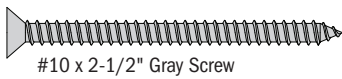
- Align *Parting Stop Bracket* behind the head jamb parting stop as shown. Bracket should be seated behind *Flexible Weatherstrip* as shown.
- Fasten *Parting Stop Bracket* to head jamb using the #8 x 1" Color-Matched Screws provided.



4. Fasten Sill

(200 Series Perma-Shield® Gliding Patio Door with PG Upgrade only)

PG/IR Pack:



- Predrill 1/8" hole through each hole in *Sill* 2" deep.



CAUTION

Sealant and Sill Screws must be applied to prevent water infiltration. Failure to do so may result in product and/or property damage.

- Fill the three *Sill* installation holes with sealant.
- Immediately fasten *Sill* to rough opening using #10 x 2-1/2" Gray Screws provided.

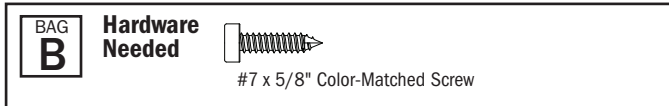
#10 x 2-1/2"
Gray Screw

Fill holes with
sealant

Sill

Exterior View

5. Install Stationary Panel Interlock Weatherstrip

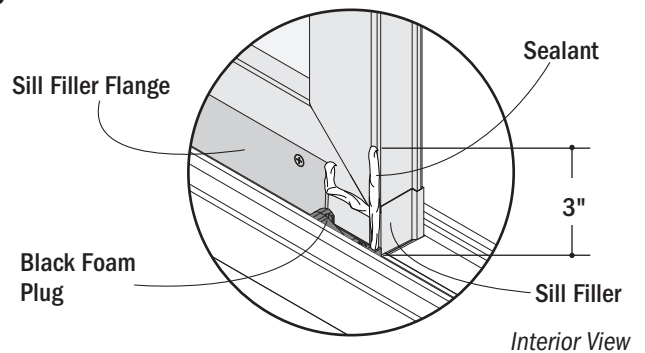
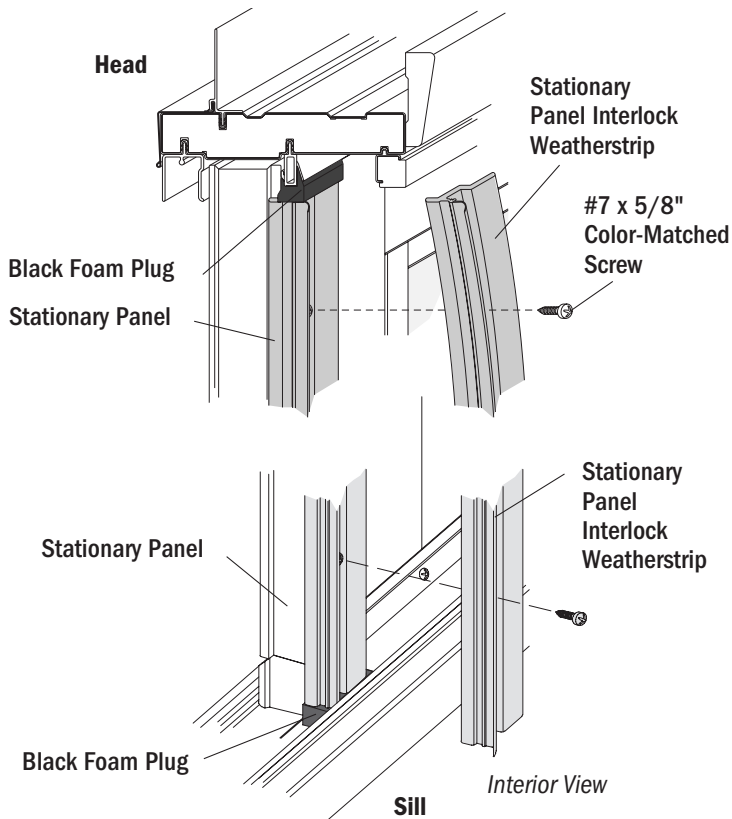


- Apply a 1/8" bead of *Sealant*, up the vertical edge of *Stationary Panel*, starting at the bottom edge of the panel as shown.

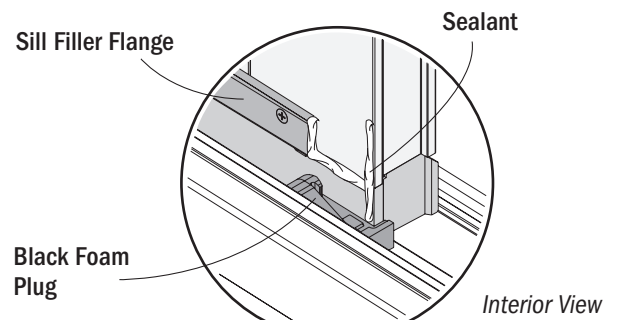
CAUTION

Interlock Weatherstrip must contact black Foam Plug at top of unit and black Foam Plug on bottom of unit to achieve a weathertight seal. Failure to do so may result in water infiltration and product or property damage.

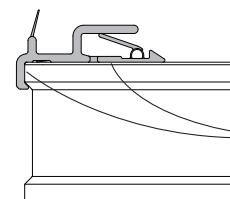
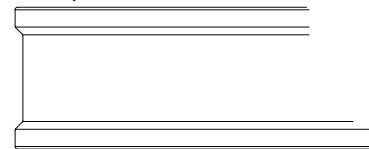
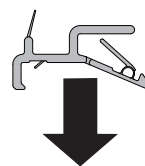
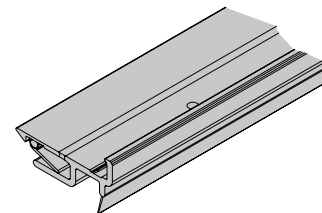
- Position *Stationary Panel Interlock Weatherstrip* on the interior edge of the *Stationary Panel* as shown. Ends of *Stationary Panel Interlock Weatherstrip* must be in contact with black Foam Plugs located at the Head and Sill.
- Hold *Stationary Panel Interlock Weatherstrip* tight to *Stationary Panel* edge and drill 1/16", 3/8" deep, into *Stationary Panel* using *Stationary Panel Interlock Weatherstrip* as a guide.
- Fasten weatherstrip to *Stationary Panel* using #7 x 5/8" Color-Matched Screws.
- For 200 Series Perma-Shield® and Perma-Shield® Gliding Patio Doors with PG Upgrade, proceed to Step 7.



200 Series Perma-Shield® Gliding Patio Door



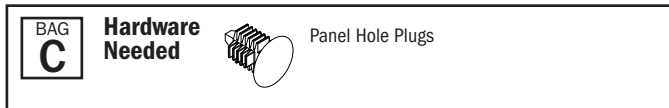
400 Series Frenchwood®, 200 Series Narroline®, or 200 Series Perma-Shield® Gliding Patio Door with PG Upgrade



Make sure interlock weatherstrip fits tight to panel.

6. Prepare Operating Panel

(400 Series Frenchwood® and 200 Series Narroline® Gliding Patio Doors Only)



CAUTION

Proper orientation of panels mentioned below in relation to the side jamb is necessary to avoid damage to frame or panel.

IMPORTANT

400 Series Frenchwood® and 200 Series Narroline® Gliding Patio Door Operating Panels are universal. They can be used in either a left or right hand frame.

- One side of *Operating Panel* will be the lock side, the other will be the interlock weatherstrip side. Stand *Operating Panel* up in front of (not in) opening where it will be installed, exterior side out. Side of door which overlaps or meets side of *Stationary Panel*, already in place, is the interlock weatherstrip side of the *Operating Panel*.

WARNING

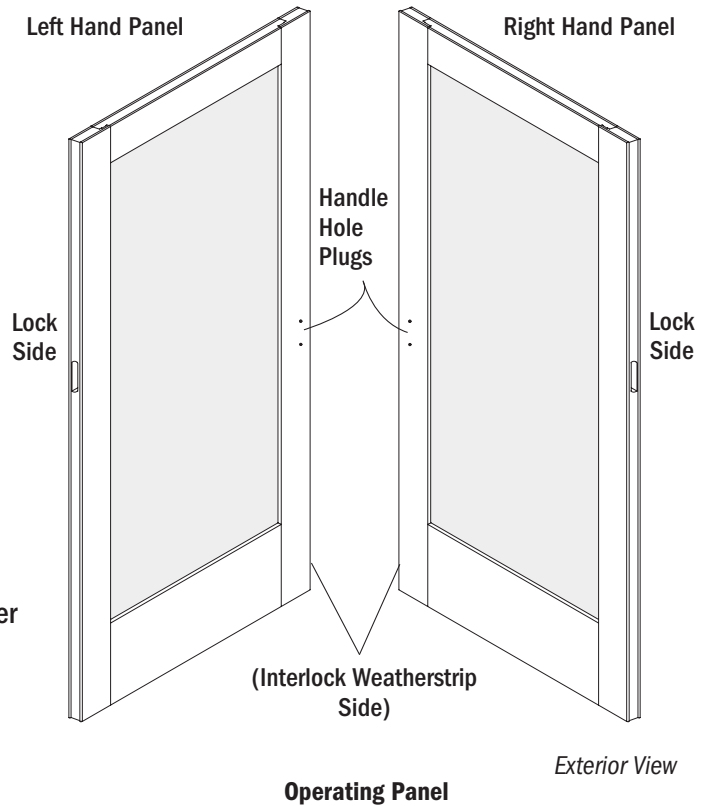
Windows and doors have small parts (e.g. hole plugs, operator spline caps, fasteners, etc.). Small parts if swallowed could pose a choking hazard to young children. Dispose of unused, loose, or easily removed small parts. Failure to do so could result in injury.

- Apply two *Handle Hole Plugs* to handle holes on interlock weatherstrip side of *Operating Panel*.

IMPORTANT

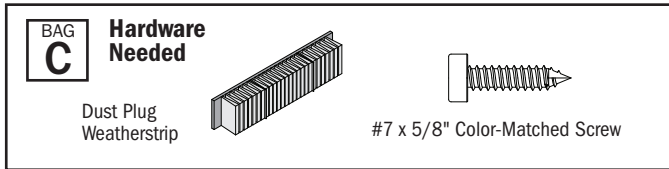
4-Panel Installations Only

4-Panel doors will have two Operating Panels. Each has their own interlock weatherstrip side and lock side.

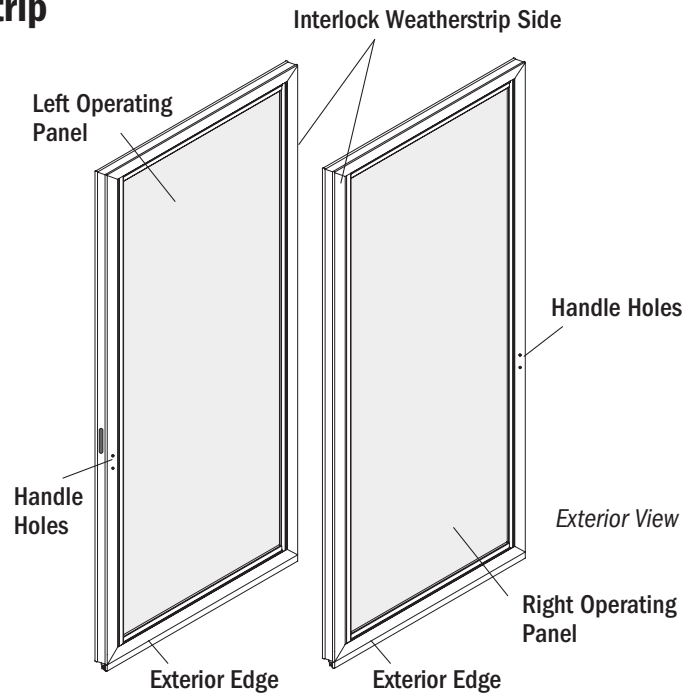


Panel profile varies by product line.
400 Series Frenchwood® Gliding Patio Door shown.

7. Attach Operating Panel Interlock Weatherstrip



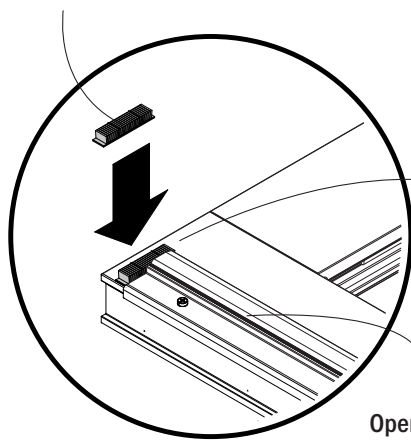
- Place *Operating Panel* exterior side up on a clean flat work surface.
- Apply a 1/8" bead of *Sealant* 3" up vertical edge of panel and 1/2" across bottom edge of panel on the interlock weatherstrip side of the panel.
- Position *Operating Panel Interlock Weatherstrip* on the exterior edge of *Operating Panel*, opposite the side with handle holes and flush with the bottom edge of door.
- Hold *Operating Panel Interlock Weatherstrip* firmly in place and drill 1/16" holes, 3/8" deep, through prepunched holes into *Operating Panel*.
- Fasten *Operating Panel Interlock Weatherstrip* with #7 x 5/8" *Color-Matched Screws* provided.
- Apply *Interlock Weatherstrip Head Dust Pad* above *Operating Panel Interlock Weatherstrip* and flush with panel edge.



Panel profile varies by product line.
200 Series Perma-Shield® Gliding Patio Door shown.

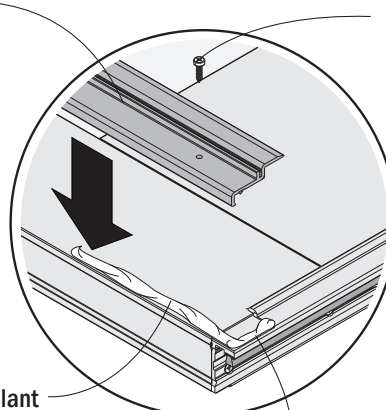


Interlock Weatherstrip Head Dust Pad



Weatherstrip will NOT be flush at top of panel.

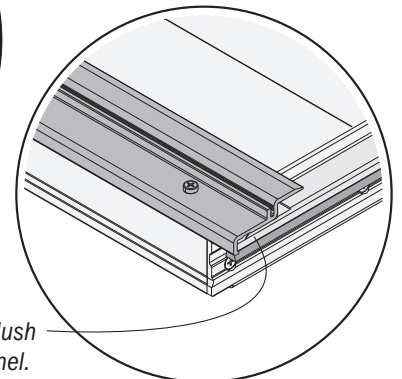
Operating Panel Interlock Weatherstrip



#7 x 5/8" Color-Matched Screw

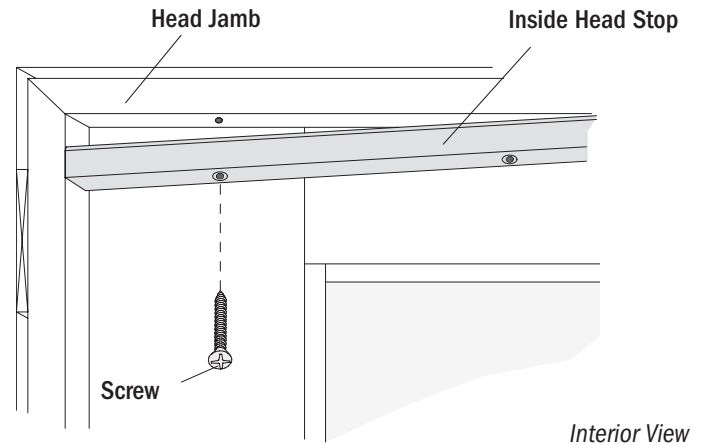
1/2" Sealant

Interlock Weatherstrip flush with bottom edge of panel.



8. Remove Inside Head Stop

- Remove the (2) screws holding *Inside Head Stop* to the *Head Jamb*. Save screws for reinstallation of *Inside Head Stop*.



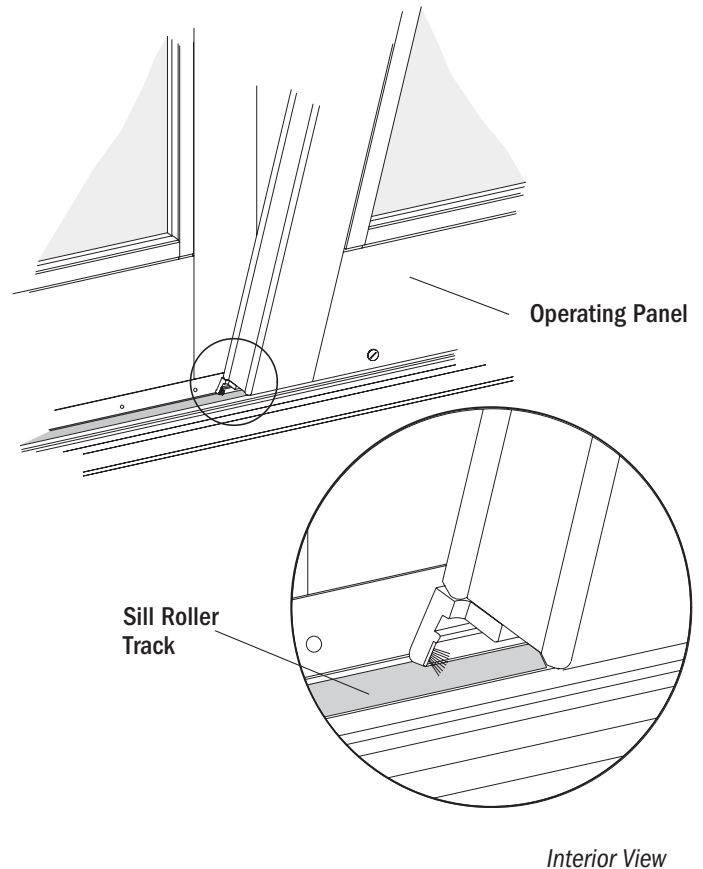
Panel profile varies by product line.
400 Series Frenchwood® Gliding Patio Door shown.

9. Install Operating Panel

WARNING

Support Operating Panel(s) in frame at all times until Head Stop is attached in **Step 8**. Failure to do so could result in the panel falling out causing personal injury, property and/or product damage.

- Lift the *Operating Panel* into the frame from the interior and position the *Rollers* on top of the *Sill Roller Track*. Tip the top of the *Operating Panel* in, slide panel closed, and hold in position until *Inside Head Stop* is reattached.



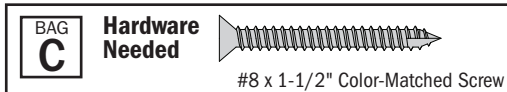
Panel profile varies by product line.
400 Series Frenchwood® Gliding Patio Door shown.

IMPORTANT

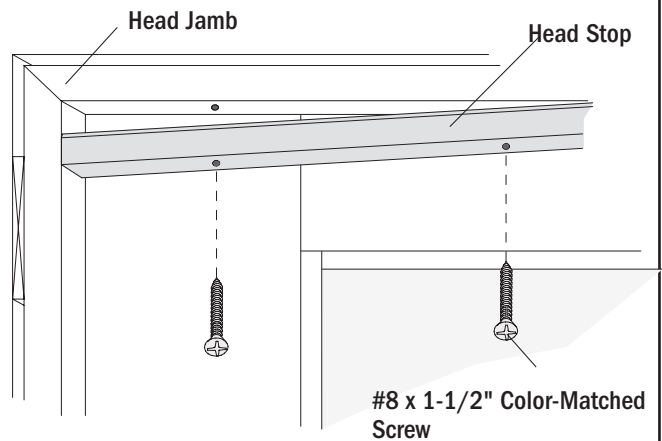
4-Panel Door Installations

Install second Operating Panel immediately after first. Operating Panels will need to be held in place until *Inside Head Stop* is reattached.

10. Reattach Inside Head Stop



- Position the *Inside Head Stop* on the *Head Jamb*. For 400 Series Frenchwood® and 200 Series Narroline® Gliding Patio Doors, make sure wood surface faces interior.
- Fasten *Inside Head Stop* with the (2) previously removed screws, returning them to the same holes they were removed from. **DO NOT** overtighten screws.
- Drill 1/16" holes through remaining hole locations and fasten using #8 x 1-1/2" Color-Matched Screws provided. **DO NOT** overtighten screws.



Panel profile varies by product line.
400 Series Frenchwood® Gliding Patio Door shown.

Interior View

IMPORTANT

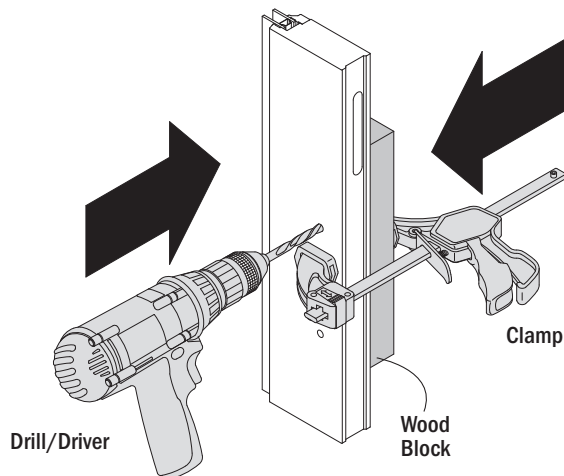
Follow instruction on Head Jamb Label when applying interior trim. Do not apply trim lower than 1/8" below Head Jamb edge. Remove this label after installation.



11. Drill Mounting Holes

(400 Series Frenchwood® and 200 Series Narroline® Gliding Patio Doors Only)

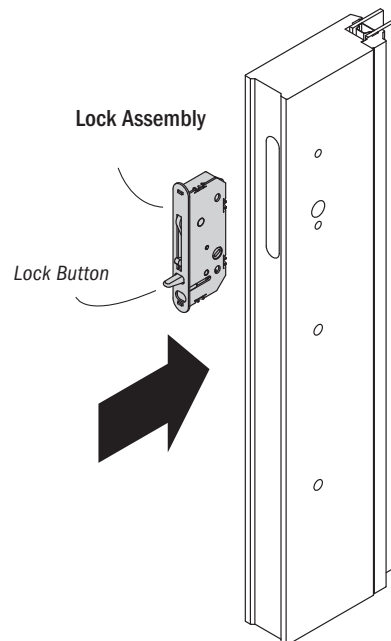
- Clamp a wood block to interior side of panel as shown to prevent chipping when drilling.
- Drill 11/32" hole through existing handle mounting holes.



Exterior View

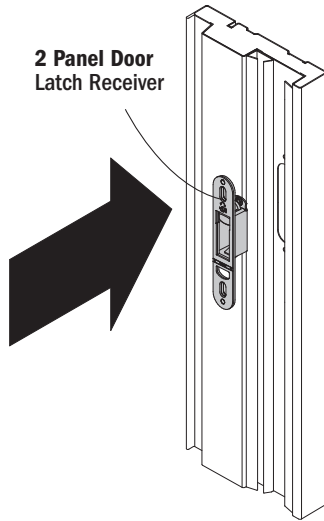
12. Insert Lock Assembly

- Insert lock assembly into slot on edge of panel, with lock button located as shown.



13. Insert Latch Receiver

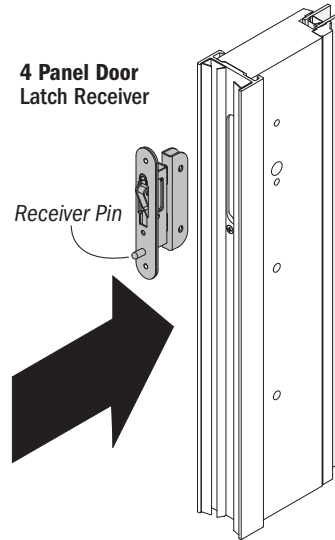
2 Panel Door



- Position latch receiver into slot in receiver jamb as shown.

or

4 Panel Door

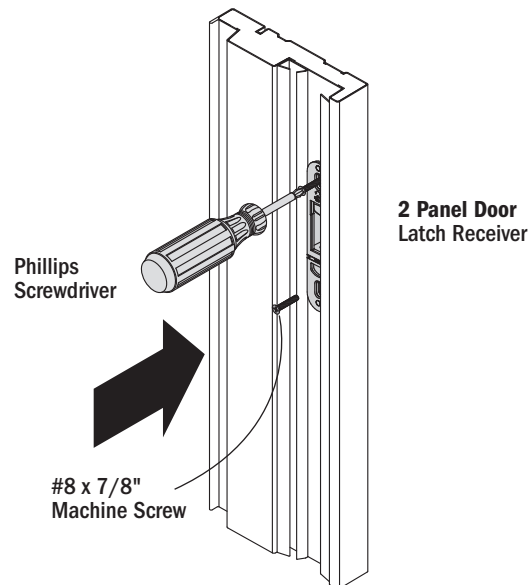


- Insert 4-Panel latch receiver into slot on panel, with receiver pin located as shown.

14. Fasten Latch Receiver (2 Panel Door Only)

2 Panel Door

- Fasten latch receiver to receiver jamb using two (2) machine screws as shown. Do not fully tighten screws.



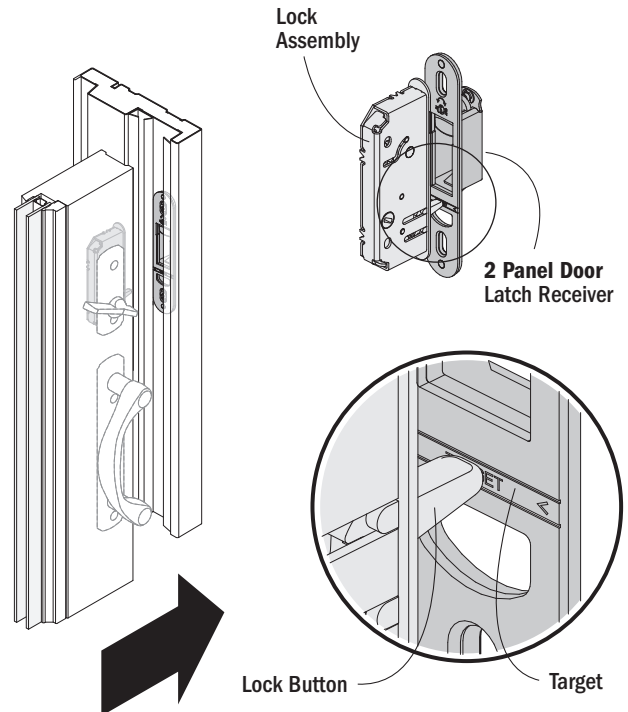
15. Check Alignment

WARNING

Failure to properly align lock button and latch receiver will prevent lock from operating and may result in loss of building security.

2 Panel Door

- Close operating panel and align lock button to >TARGET< area on latch receiver. Slide latch receiver up or down as needed.
- Tighten latch receiver screws when properly aligned.

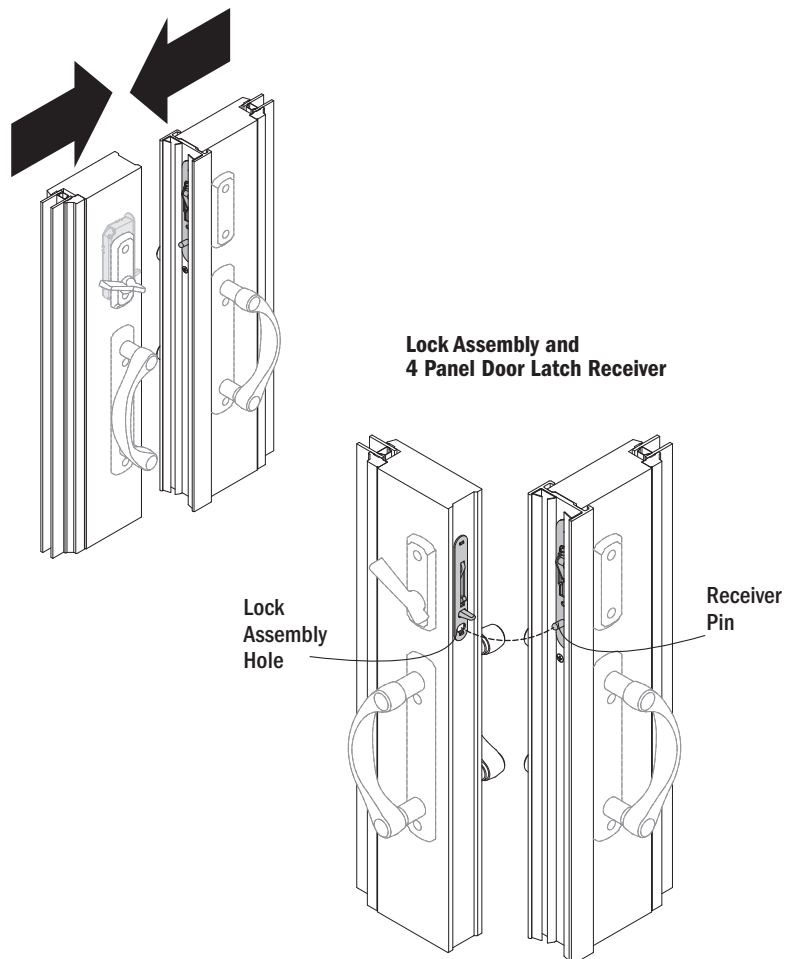


4 Panel Door

- Close panel and check alignment of receiver pin into hole below lock button on lock assembly faceplate.

NOTICE

- Door panels must be in position and operating correctly before checking and adjusting the latch receiver. See step 18 to adjust door panels and gap. Failure to do so could affect operation and product performance.
- Receiver pin must align with hole on lock assembly faceplate for proper lock operation. Failure to do so could affect operation and product performance.

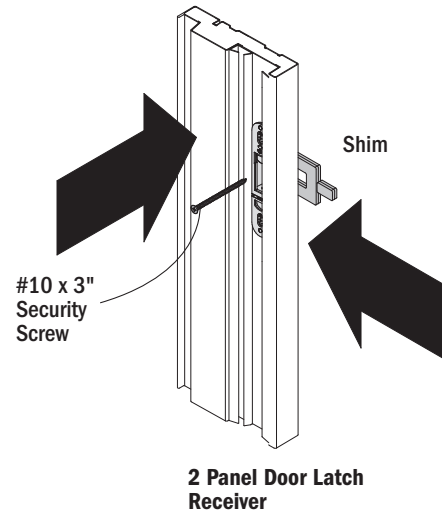


16. Fasten Security Screw through Latch Receiver (2 Panel Door Only)

NOTICE

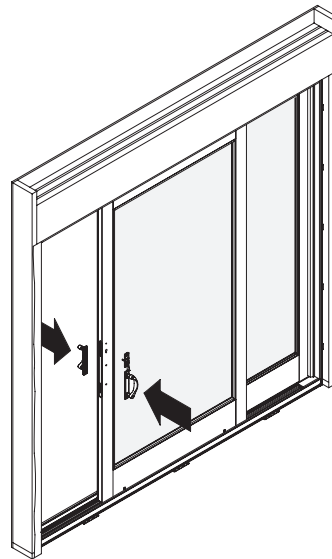
Failure to shim directly behind latch receiver when installing security screw may result in bowing of the receiver jamb.

- Place shim(s) behind latch receiver between door jamb and framing.
- Fasten security screw tight through existing hole(s) in center of latch receiver as shown.



17. Apply Hardware

Apply hardware following hardware installation guide for 2, 3, or 4-Panel Door.



18. Adjust Panel, Lock and Latch if Required

- Slide *Operating Panel* open until a narrow gap exists between *Operating Panel* and *Side Jamb*. The narrow gap should be equal from top to bottom.
- If gap is not equal, remove the (2) *Threaded Caps* located on *Bottom Rail* of *Operating Panel* using a large flat blade screwdriver.
- Adjust rollers by inserting a flat blade screwdriver into *Adjusting Sockets*. Turn **clockwise to raise** panel or **counterclockwise to lower** panel until gap is equal full length.
- Replace caps when adjustment is complete.



WARNING

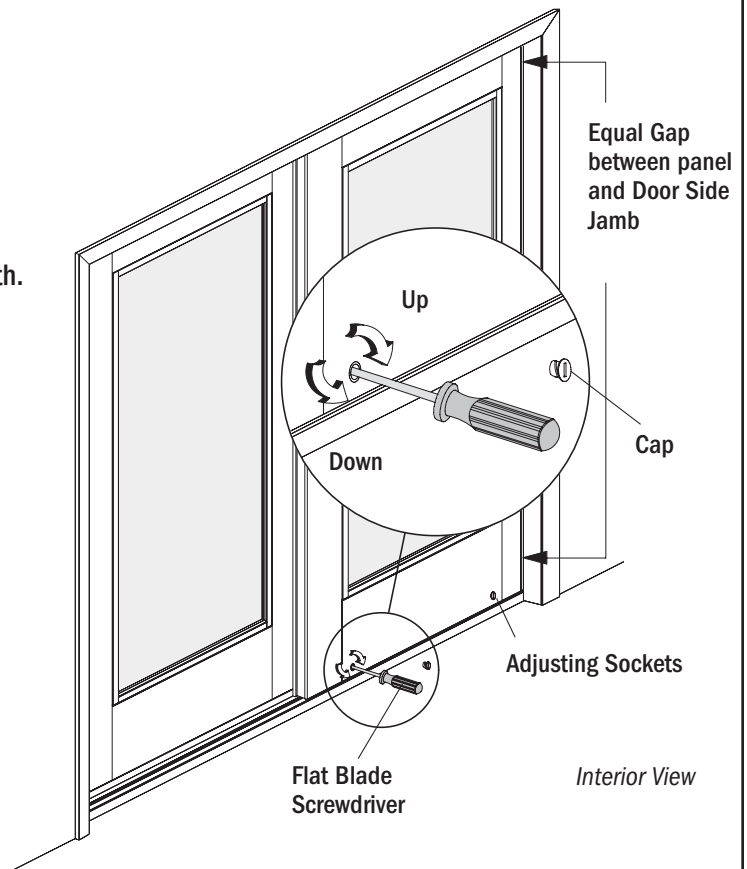
Windows and doors have small parts (e.g. hole plugs, operator spline caps, fasteners, etc.). Small parts if swallowed could pose a choking hazard to young children. Dispose of unused, loose, or easily removed small parts. Failure to do so could result in injury.

IMPORTANT

For 4-Panel Door Installations

The Panel Astragal can now be applied. Refer to *4-Panel Astragal Installation Guide #0004195* furnished with Panel Astragal package.

This step completes the installation of the 200 Series Perma-Shield® and Perma-Shield® Gliding Patio Door with PG Upgrade. For sidelight installation, proceed to Page 21.

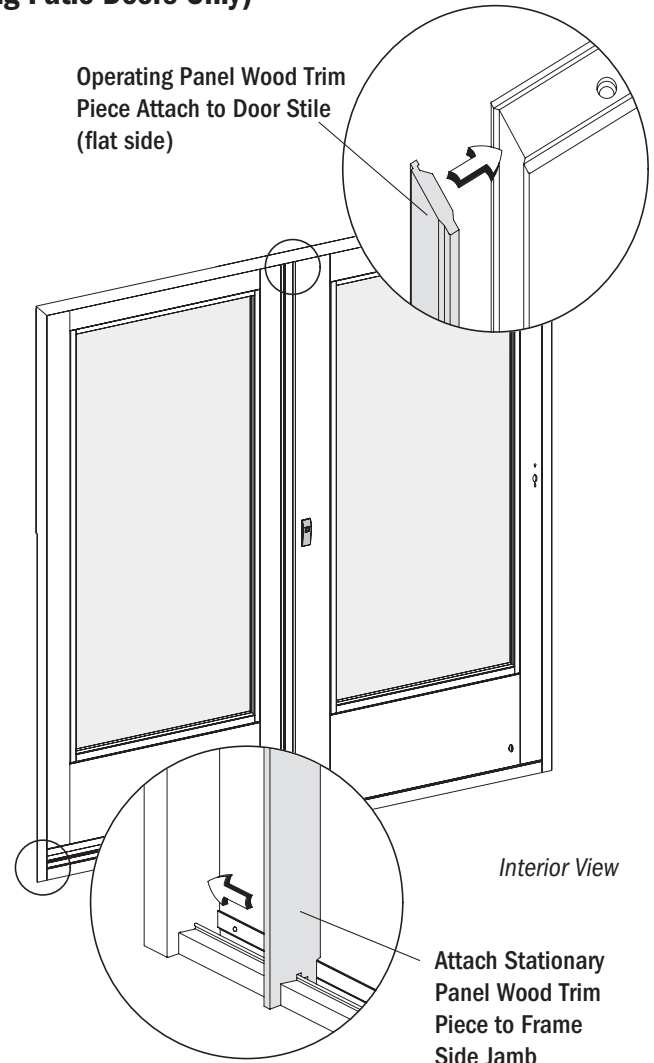


Panel profile varies by product line.
400 Series Frenchwood® Gliding Patio Door shown.

19. Apply Wood Trim

(400 Series Frenchwood® and 200 Series Narroline® Gliding Patio Doors Only)

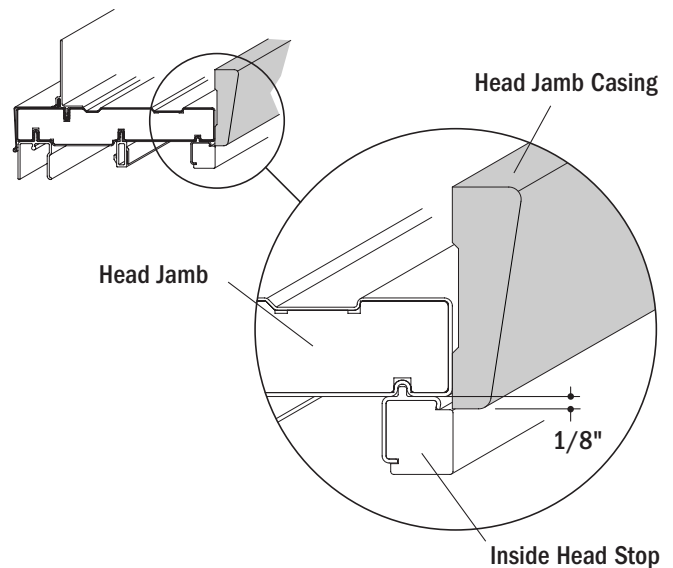
- Position *Operating Panel Wood Trim Piece* to interlock weatherstrip side of *Operating Panel*, top edge should be flush with the top of the panel.
- Fasten using 4d 1-1/2" finish nails. Predrilling 3/64", 1-1/2" deep is recommended.
- Position *Stationary Panel Side Jamb Wood Trim Piece* to stationary side jamb, bottom of wood trim is notched to match sill.
- Fasten using 4d 1-1/2" finish nails. Predrilling 3/64", 1-1/2" deep is recommended.



Panel profile varies by product line.
400 Series Frenchwood® Gliding Patio Door shown.

IMPORTANT

Install Head Jamb Casing no lower than 1/8" below head jamb to assure future panel removal is possible.



Stationary Sidelight Installation

1. Install Frame

- Follow Installation Guide 0005310.

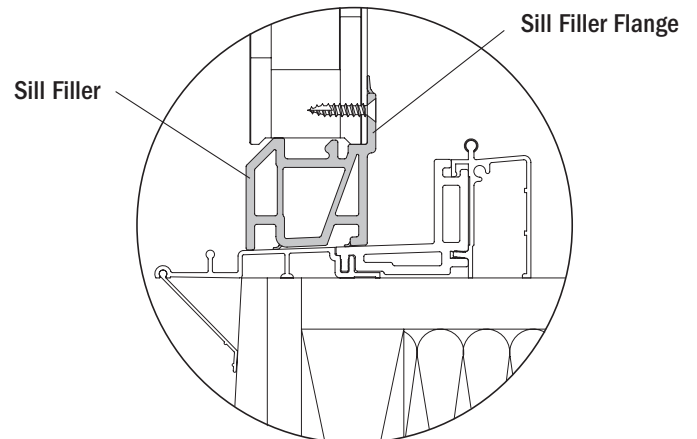
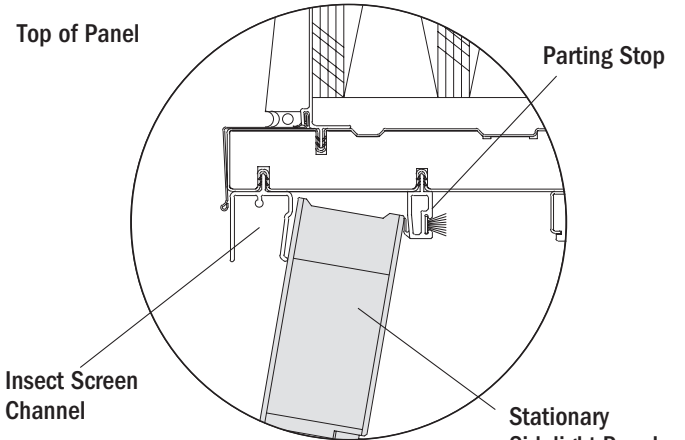
2. Install Stationary Sidelight Panel



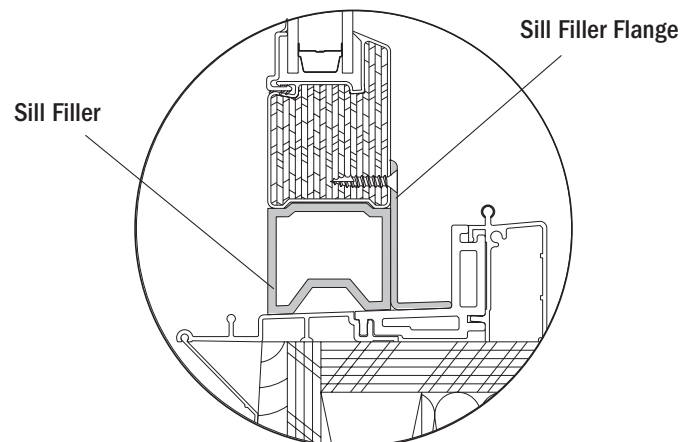
WARNING

Support panel in frame at all times until secured. Failure to support panel could result in panel falling out causing product damage and/or personal injury.

- From exterior, lift *Stationary Sidelight Panel* and insert top of panel between *Insect Screen Channel* and *Parting Stop*.
- Push bottom of panel onto *Sill Filler* until it rests tightly against flexible lip.
- For **200 Series Perma-Shield® Gliding Patio Doors**, Drill 1/16" holes, 1" deep through existing holes in *Sill Filler Flange*.
- Fasten *Stationary Sidelight Panel* to interior *Sill Filler Flange* using four #8 x 1" Gray Screws.
- Remove label from *Sill Filler Flange*.



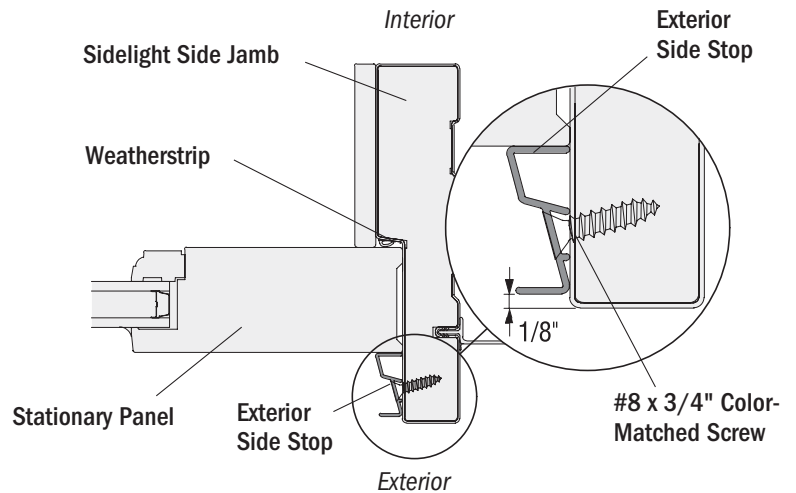
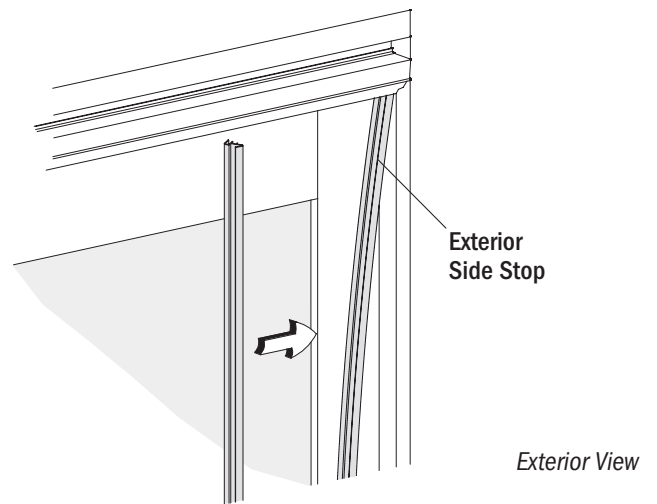
400 Series Frenchwood®, 200 Series Narroline®, and 200 Series Perma-Shield® Gliding Patio Doors with PG Upgrade



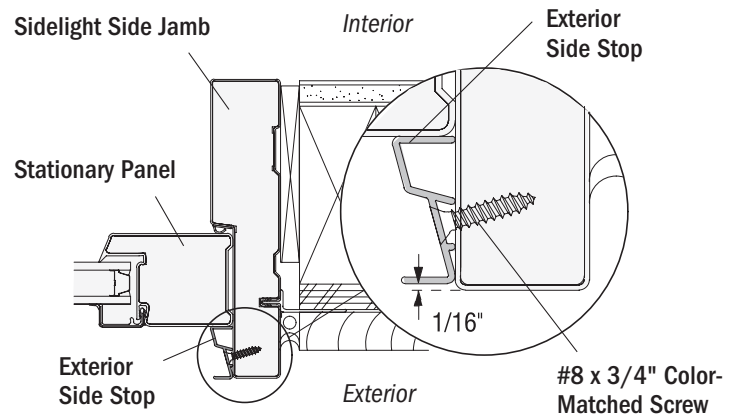
200 Series Perma-Shield® Gliding Patio Door

3. Apply Side Stops

- For **400 Series Frenchwood®** and **200 Series Narroline® Gliding Patio Doors**, push panel from the exterior to compress weatherstrip. Position *Exterior Side Stops* on exterior with edge of *Exterior Side Stops* $\frac{1}{8}$ " from surface of side jamb. Note position in detail.
- For **200 Series Perma-Shield®** and **Perma-Shield® Gliding Patio Doors with PG Upgrade**, push panel from the exterior to compress weatherstrip. Position *Exterior Side Stops* on exterior with edge of *Exterior Side Stops* $\frac{1}{16}$ " from surface of side jamb. Note position in detail.
- Drill $\frac{1}{16}$ " holes, $\frac{1}{2}$ " deep into frame through predrilled holes in *Exterior Side Stops*.
- Secure with **#8 x $\frac{3}{4}$ " Color-Matched Screws**.



**400 Series Frenchwood® and
200 Series Narroline® Gliding Patio Door**

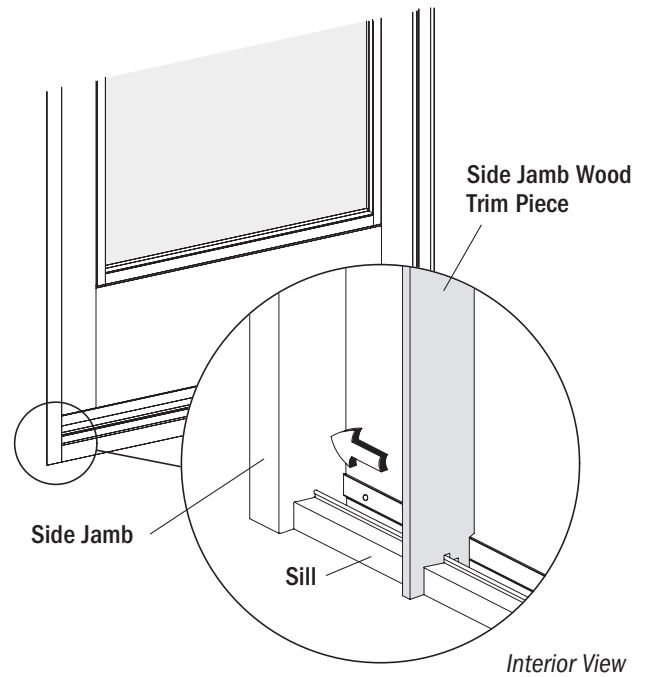


**Perma-Shield® Gliding Patio Door and
Perma-Shield® Gliding Patio Door with PG Upgrade**

4. Apply Wood Trim Pieces

(400 Series Frenchwood® and 200 Series Narroline® Gliding Patio Doors only)

- Position *Side Jamb Wood Trim Pieces*, to side jambs. Bottom of *Side Jamb Wood Trim Pieces* are notched to match sill. (One wood trim piece is included with the Stationary Sidelight Frame package, the other is included with the Stationary Panel package.)
- Fasten *Side Jamb Wood Trim Pieces* to side jambs using 4d 1-1/2" finish nails. For oak or maple wood trim pieces, predrilling 3/64" holes, 1-1/2" deep is recommended.



Panel profile varies by product line
400 Series Frenchwood® Gliding Patio Door shown.

► Procedure is complete.