



INSTALLATION INSTRUCTION MANUAL

DOUBLE (FRENCH) STORM DOOR

(SPECTRUM™, DECORATOR™, DELUXE™, DURAGUARD™, AND SUPERVIEW™)



** Find QR Codes inside for additional information, helpful installation tips, and videos.*



Contact the local recycling waste management center for waste disposal in the area. Always check local waste requirements and carefully dispose of waste in accordance with Federal and other regulations.



Homes built before 1978 may contain lead paint. All replacement installations must comply with the U.S. EPA's Lead-Based Paint Renovation, Repair, and Painting Program (RRP Rule). Read more about the RRP Rule and lead-safe work practices, on the U.S. EPA's website at: www.epa.gov/lead



GETTING STARTED

TOOLS & MATERIALS YOU WILL NEED

- | | | |
|----------------------|-----------|---------------------------------------|
| • Tape Measure | • Hacksaw | • Soft Mallet |
| • Pencil | • Square | • Pliers |
| • Drill & Drill Bits | • Level | • Phillips and Flat Head Screwdrivers |
| • Utility Knife | • Hammer | |



This document is to assist with the preparation and installation of ALL ProVia® French Spectrum™, Decorator™, Deluxe™, DuraGuard™, and SuperView™ models. Please scan the QR code on the back of this guide to see the "Storm Door Manual: Operation and Maintenance" for more information on the operation of all modes, including instruction for sash and screen inserts.



REMEMBER: ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT.



Read these instructions carefully before starting installation. Product warranty does not cover damages resulting from improper installation.



IMPORTANT NOTES BEFORE YOU BEGIN

- Inspect your package(s) for any visible damage to the product. In addition, double check your paperwork with label on product(s) and verify all information is a match. Open packaging to confirm style, color and that order was shipped complete. Double check size of new unit by comparing it for fit to opening.
- If damage or irregularities are found, please scan the product's packaging QR Code label using your phone's QR Code Scanner to access ProVia's After Sale Product Support to enter a request and post pictures/videos to the order, or you can call the Customer Support Team at 1-800-669-4711.
- If you have ordered optional items, verify that they are included in packaging contents. This includes checking for multiple packages (For example, 1 of 2 and 2 of 2).



DOUBLE (FRENCH) STORM DOOR CONTENTS

NOTE: Please refer to information below for assembly and installation contents. Installation screw packs listed below are the same for all Spectrum™, Decorator™, Deluxe™, DuraGuard™, and Superview™ models.

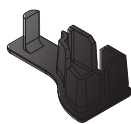
Assembly Components

(as shipped from factory)

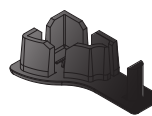
French Storm Door ships in (2) separate cartons as follows:

- **Carton #1 contains:**

- Door slab with hinge side z-bar attached pre-hung, glass sash, and screen.
- Handle set boxed separately and located inside door carton.
- Closer, touch-up paint, install packs (see below), sweeps, sash clips (where applicable), LH & RH Z-bar header plugs, and barrel bolt pack boxed together and located inside main door carton.



LH Z-Bar Plug,
Part #: S-HG-750-13



RH Z-Bar Plug,
Part #: S-HG-751-13

- **Carton #2 contains:**

- Door slab with hinge side z-bar attached pre-hung, glass sash, and screen.
- Handle set boxed separately and located inside door carton, if applicable.
- Closer (if applicable), sweeps, and sash clips (if applicable) boxed together and located inside door carton.
- Astragal, (2) bottom expanders, header z-bar, header and jamb side screw cap covers wrapped together and located inside door carton.

HINGE SCREW PACKS

Depending on hinge type ordered, (1) of the following screw packs will be included.

(2) Continuous Hinge Packs

(Piano Hinge OR
Leaf Hinge with spacer)
S-DH-501S

Exterior Face Screw:

(14) #6 x 1" Phillips Pan Head Screws, Part #: S-HS-738-00



Hinge Screw:

(12) #8 x 1½" Phillips Truss Screws, Part #: S-HS-949S-00



OR

(2) Leaf Hinge Packs

S-DH-502S

Exterior Face Screw:

(14) #6 x 1" Phillips Pan Head Screws, Part #: S-HS-738-00



Hinge Screw:

(8) #7 x 1" Phillips Pan Head Screws, Part #: S-HS-097-00





DOUBLE (FRENCH) STORM DOOR CONTENTS (CONT.)

NOTE: Installation screw packs listed below are the same for all Spectrum™, Decorator™, Deluxe™, DuraGuard™, and SuperView™ models.

Surface Mounted French Strike Hardware Pack

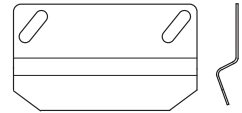
S-DH-508S-CC

(For surface mounted orders only)

(2) French Door Strike Shim, Part #: S-HG-236-00



(1) French Door Handle Strike, Part #: S-HG-916-CC



(2) #6 x 1/2" Phillips Pan Head Screws, Part #: S-HS-783-CC



NOTE: Mortise Hardware Strike Plates are factory assembled on the astragal.

(2) Bottom Expander

Screw Packs

S-DH-514S-CC

(2) #6 x 1/2" Phillips Pan Head Screws, Part #: S-HS-783-CC



(1) Astragal Screw Pack

S-DH-507S-CC

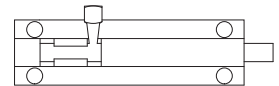
(10) #6 x 1/2" Phillips Pan Head Screws, Part #: S-HS-783-CC



(1) 3" Barrel Bolt Pack

S-HG-008P-CC

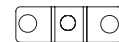
(2) Barrel Bolt: Top and Bottom



(2) Flat Strike Plate



(2) Raised Surface Mounted Keeper



(1) Screw Pack, 12 per pack

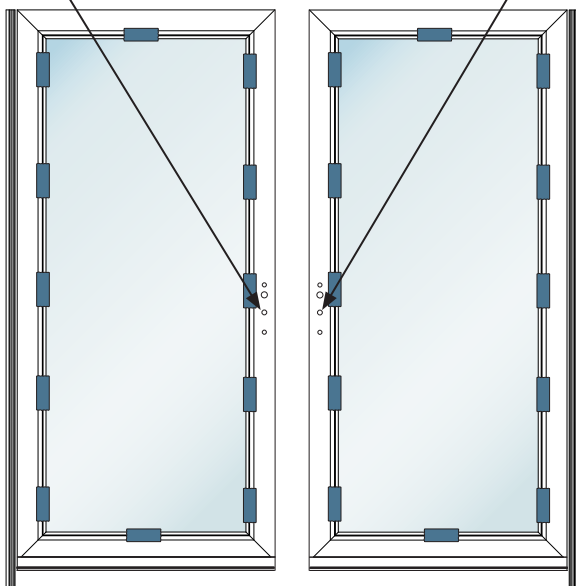
(1) Clear Block (Use behind header barrel bolt)



A. INSPECT

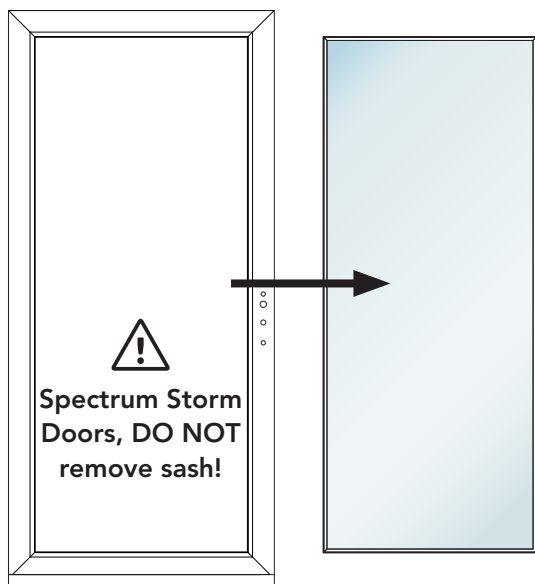
INSPECT ALL STORM DOOR AND SCREEN PARTS

Check handle set prep location on
one or both door slabs



(Figure A.1)

Remove blue shipping tape
Remove all sash and screen inserts from
each door slab



(Figure A.2)



IMPORTANT! For all *Decorator™*, *Deluxe™*, *DuraGuard™*, and *Superview™* (with the exception of self-storing and all *Spectrum™*) storm doors will ship with sash(es) and screen insert(s) mounted in door slab, secured with blue shipping tape.

- 1 Confirm existing opening will accommodate new storm door. Z-bars will be mounted to the existing trim. Trim **MUST BE** fully secured to the structure. Prepare and secure as necessary.
 - 2 Carefully lay door unit onto a protected flat surface (i.e. saw horses) with interior side up, as noted on product box.
 - 3 Unpack and inspect new storm door and z-bars for any material damage. Check glass, screen, locks and operational hardware. **NOTE:** glass, screen, and hardware can be repaired AFTER door is installed. Scan the product packaging QR Code label to access ProVia's **After Sale Product Support** to enter a request and post pictures to order, or call Customer Support.
 - 4 **BE SURE TO CHECK!** If storm door was ordered with handle set prep, double check prep location on both door slabs. Confirm both doors are the same. Check to be sure storm door handle set(s) will not interfere with entry door handle set before storm door installation. (Figure A.1)
 - 5 Remove blue shipping tape then remove all sash and screen inserts. Sashes are NOT removed on *Spectrum™*. Carefully set aside until after storm door installation. (Figure A.2)
- NOTE:** For *Deluxe™*, *DuraGuard™*, and *SuperView™*, sash clips are packaged with each door slab located in closer box (or white box) for sash installation later in this instruction.
- 6 Wipe door slabs down with a soft cloth to remove any metal shavings.

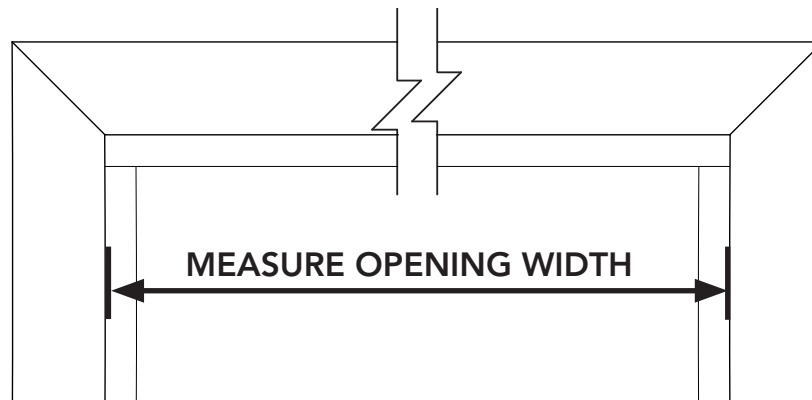
B. PREPARATION



IMPORTANT NOTES BEFORE YOU BEGIN!

- Header z-bar is shipped with each end factory prepped and notched. **ONLY** one end will require a field cut and notch.
- **REMINDER!** Be sure the header screw cap cover has been removed from behind header z-bar before continuing.

EXTERIOR HEADER ELEVATION VIEW



(Figure B.1)

- 1 Measure the header brickmold opening width. Note measurement found then ADD the additional measurement given below per hinge type. Check and determine the hinge type received, leaf hinge or piano hinge. Using the measurement determined, mark and cut header z-bar to overall length required. (Figure B.1)

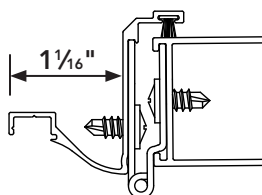
STANDARD Z-BARS:

LEAF HINGE:

Opening Width + 2" = Header Z-bar Length

PIANO HINGE:

Opening Width + 2¼" = Header Z-bar Length



Z-BARS WITH FACTORY SPACER:

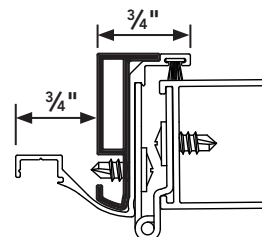
(Behind vertical z-bars only)

LEAF HINGE:

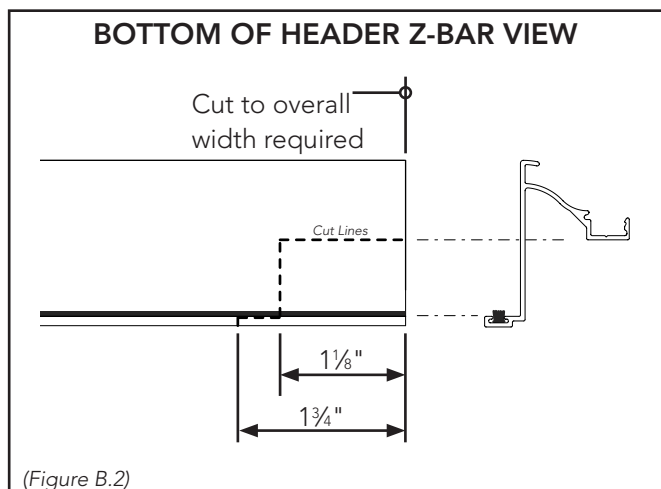
Opening Width + 1⅜" = Header Z-bar Length

PIANO HINGE:

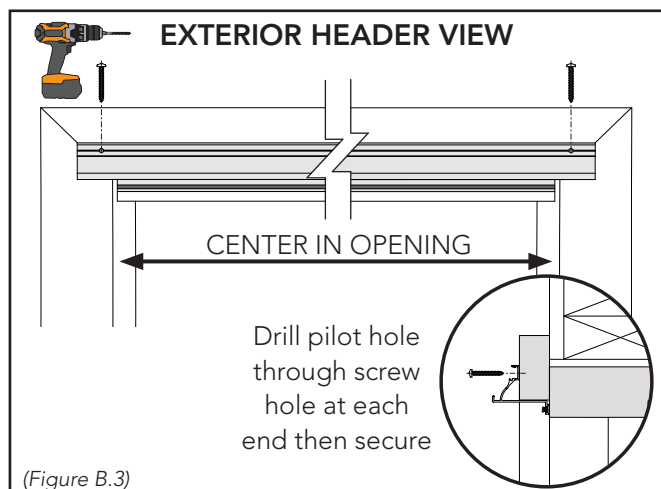
Opening Width + 1⅝" = Header Z-bar Length



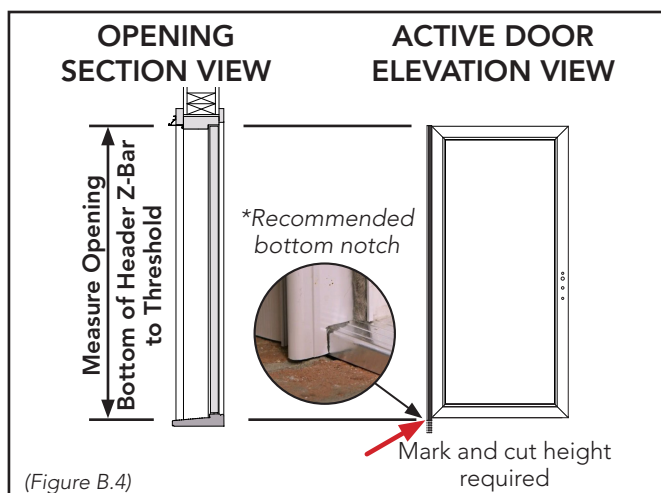
B. PREPARATION (CONTINUED)



- 2 Cut end must be re-notched to fit brickmold or trim. Use opposite end as a template with dimensions provided in illustration or use the notched end cut off in Step 1 as a template. Lay end on header z-bar and trace. (Figure B.2)



- 3 Position header z-bar in the opening and tight against the jamb head. The header z-bar must be centered (floated) in the opening. Drill a 3/32" pilot hole into brickmold or trim board through each factory prepped screw hole located each end of the header z-bar. Secure each end using a #6 x1" pan head screw. **Note for z-bars with factory spacer, the header z-bar will have a 1/2" gap on each side of the opening. BE SURE z-bar is equally centered.** (Figure B.3)



- 4 Measure the opening height of the active door jamb-side from bottom of the header z-bar to threshold. Using the measurement determined, measure and mark the hinge z-bar from the top of the z-bar down. Cut required length from the of BOTTOM of the z-bar. Angle the cut to match threshold slope. **Recommended, add thickness of the threshold to the measurement, cut to length, then notch the bottom for a clean fit around threshold as shown.** (Figure B.4)

NOTE: For standard z-bar with 1/4" build-out (Eastern), drill 1/8" holes through spacer located on back of each z-bar using factory pre-drilled installation holes as a guide.

C. INSTALLATION

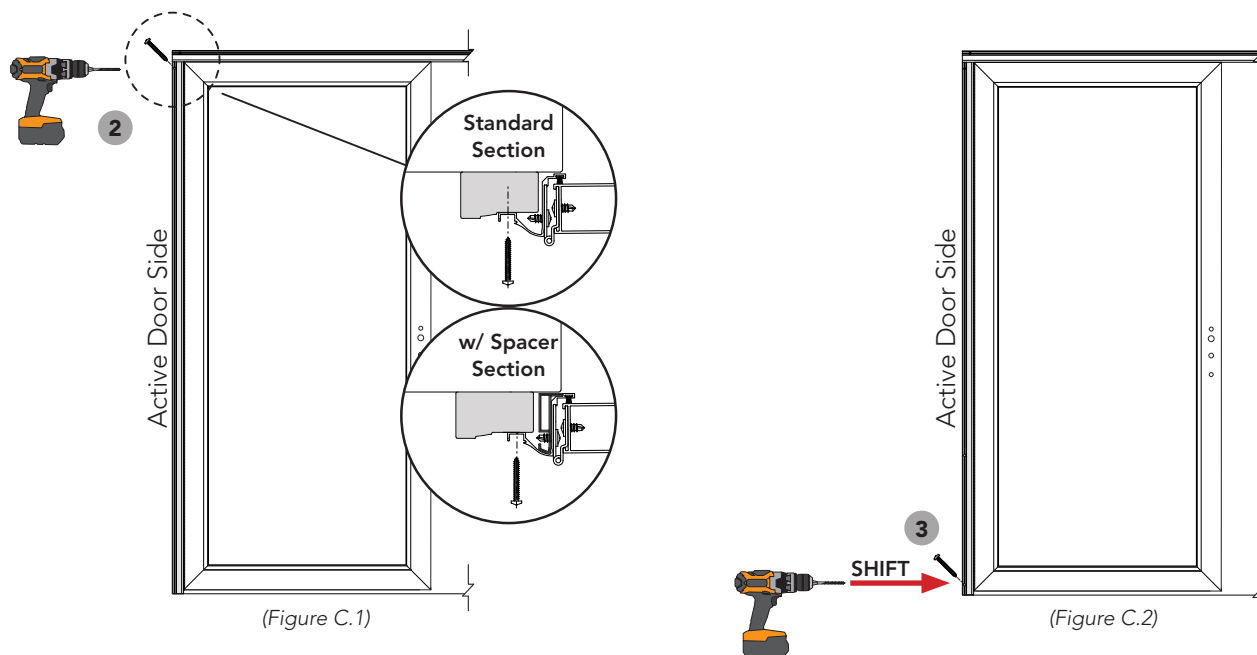


IMPORTANT NOTES BEFORE YOU BEGIN!



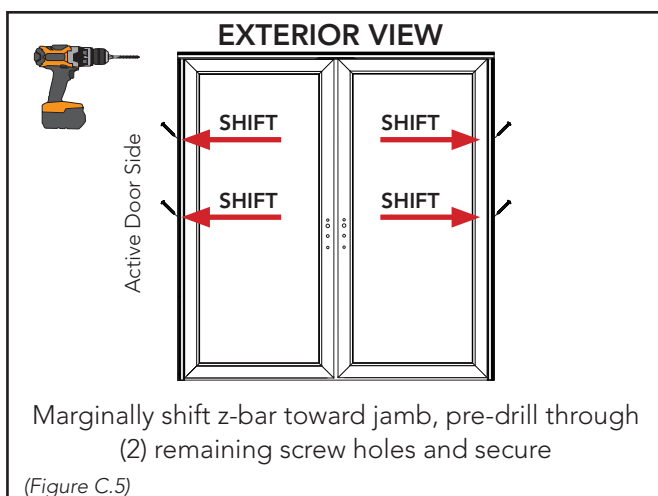
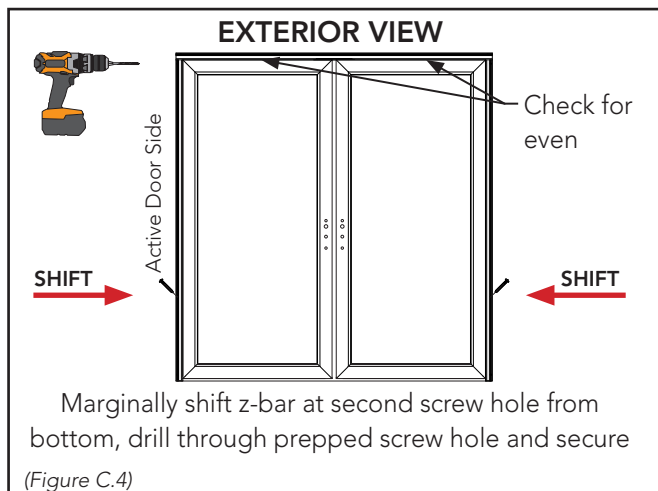
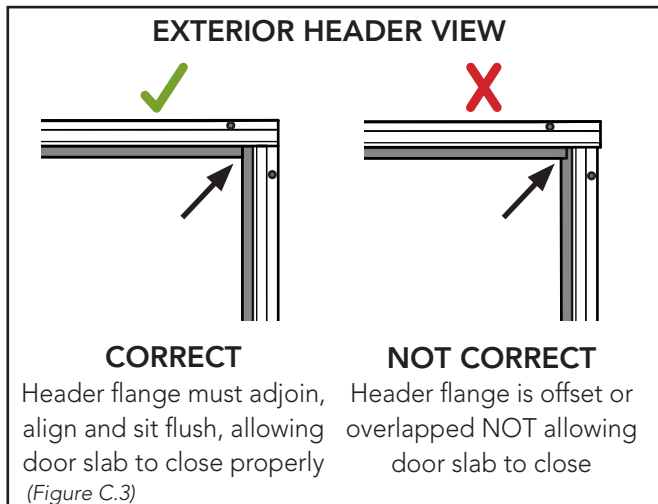
- **PRE-DRILL** with a $\frac{1}{8}$ " bit before installing all screws unless otherwise noted.
- **CAUTION!** For z-bars with a factory spacer, angle face screws away from opening.
- It is **CRITICAL** throughout the installation to **NOT OVER TIGHTEN SCREWS**. Doing so can cause the z-bar to roll, twist, or bind.
- **DO NOT** install the exterior screw covers until storm door installation is complete.

INSTALL AND SECURE ACTIVE DOOR - EXTERIOR VIEW



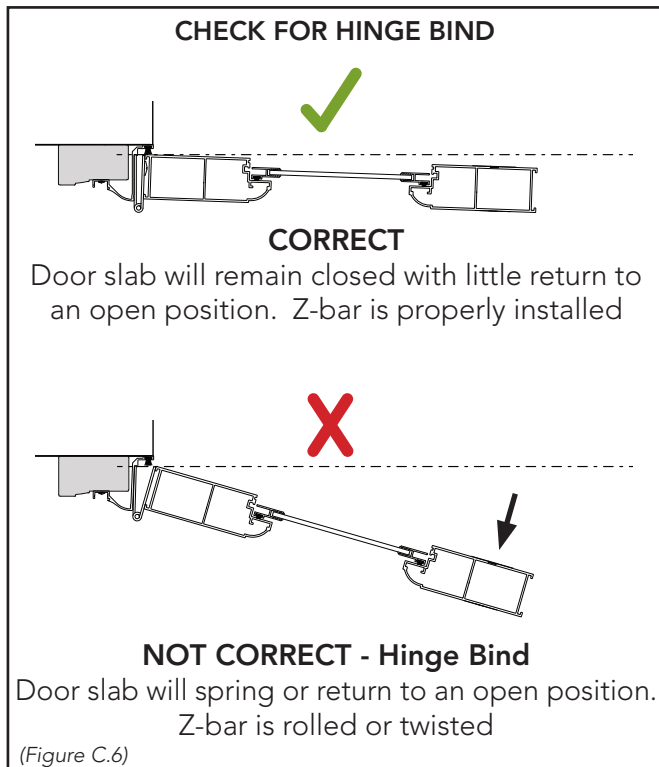
- 1 Position the ACTIVE door in opening, sill first.
- 2 Drill a $\frac{3}{32}$ " pilot hole into the brickmold or trim board through the TOP factory prepped screw hole on the front face of the z-bar. Secure with a #6 x 1" pan head face screw. (Figure C.1)
- 3 **IMPORTANT!** Monitor and maintain door alignment with each step of the installation. Each door should consistently remain at the same height with a uniform center margin between.
- 3 Shift the bottom of the z-bar left or right until the margin across the top of the slab is consistent. Drill a $\frac{3}{32}$ " pilot hole into the brickmold or trim through the BOTTOM factory prepped screw hole on the front face of the z-bar. Secure with a #6 x 1" pan head face screw. (Figure C.2)
- 4 Repeat Steps for the INACTIVE door slab.

C. INSTALLATION (CONTINUED)



- 5 Open doors to check the alignment of header weatherstrip flange with the jamb side weatherstrip flange on each side. Header flange **MUST** adjoin, align and sit flush to the adjacent flange. If header flange is offset, use a soft mallet to gently seat the z-bar back against the exterior trim. If the weatherstrip flange is overlapping, remove installation screws as needed to adjust z-bars until properly positioned. (Figure C.3)
- 6 At the second screw hole from the bottom, marginally shift the z-bar **AWAY** from the jamb side to establish screw location. Drill a $\frac{3}{32}$ " pilot hole through the factory prepped screw hole. Secure with a #6 x 1" pan head screw. Repeat on opposite door. Check top of doors for even across the full width. (Figure C.4)
- 7 Marginally shift the upper z-bar **TOWARD** the jamb side to establish screw locations. Drill a $\frac{3}{32}$ " pilot hole through the (2) remaining factory prepped screw holes. Secure with a #6 x 1" pan head screw at each location. Repeat on opposite door. Each door should constantly remain at the same height with a uniform center margin between. (Figure C.5)
- 8 Check the header z-bar for the approximate $\frac{1}{8}$ " margin between the header z-bar and the door slab. Loosen the face mount z-bar screws and shift the z-bar as needed.

C. INSTALLATION (CONTINUED)

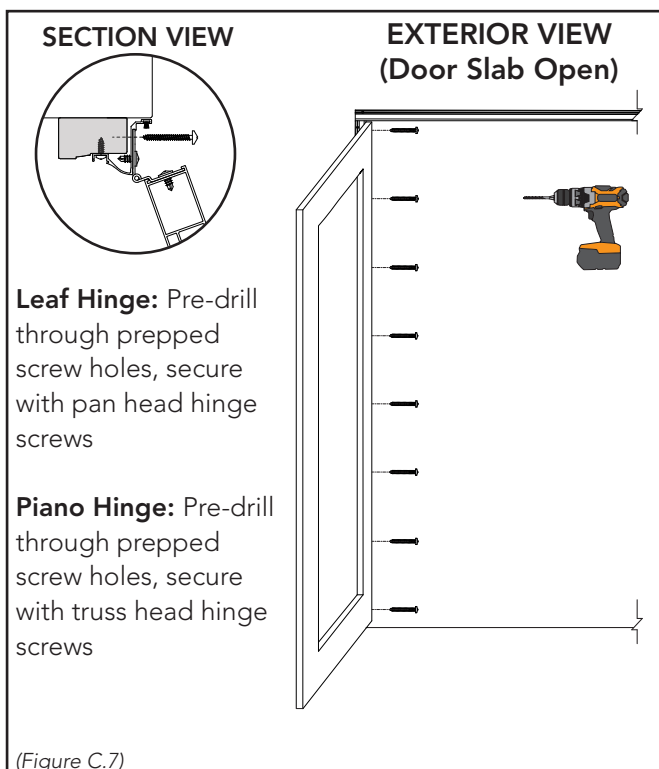


9 Close door to check for hinge bind. Gently push the door closed. If the door springs open, the hinge-side face screws are too tight, causing the frame to roll away from the opening. Back off the face screws a couple of turns. Repeat process until the door slab slowly drifts open or not at all. (Figure C.6)

10 Open the active door to secure the inner hinge side z-bar to the brickmold or trim board. Refer to the hinge type below. **Note, only tighten screws until the screw head is slightly compressing the z-bar.** Repeat on opposite side. (Figure C.7)

- **Leaf Hinge:** Drill a $\frac{3}{32}$ " pilot hole through each leaf hinge factory prepped screw hole and into the wood trim, above and below each hinge. (8) total. Secure with #7 x 1" pan head hinge screws.

- **Piano Hinge or Leaf Hinge with Spacer:** Drill a $\frac{5}{64}$ " pilot hole through each factory prepped screw hole, through aluminum z-bar, and into the wood trim. (8-12) total. Secure with #8 x $1\frac{1}{2}$ " truss head hinge screws.



11 Re-check for hinge bind. If the door slab still gently springs out, tighten the hinge screws a couple turns to roll the z-bar back into the brickmold.

12 Re-install sashes. Returning the door slab to full weight will allow for margin adjustment. For storm doors using the sash clips to secure sash/screen, locate clips in the hardware box then install into all rivnut locations.

NOTE: If sash clip will not install due to a loose rivnut, call Customer Service for replacement. A rivnut repair tool kit, part # S-ST-9633, will be sent.

12 Re-check for straight and equal $\frac{1}{8}$ " margin across full width of header z-bar and door slabs. *Note, the installed exterior face screws can be relocated to establish margin. Inner hinge screws can be adjusted using factory holes. Z-bar screw cap covers will be installed after installation is complete to cover any open face screw holes.*

D. ASTRAGAL AND BOTTOM EXPANDERS

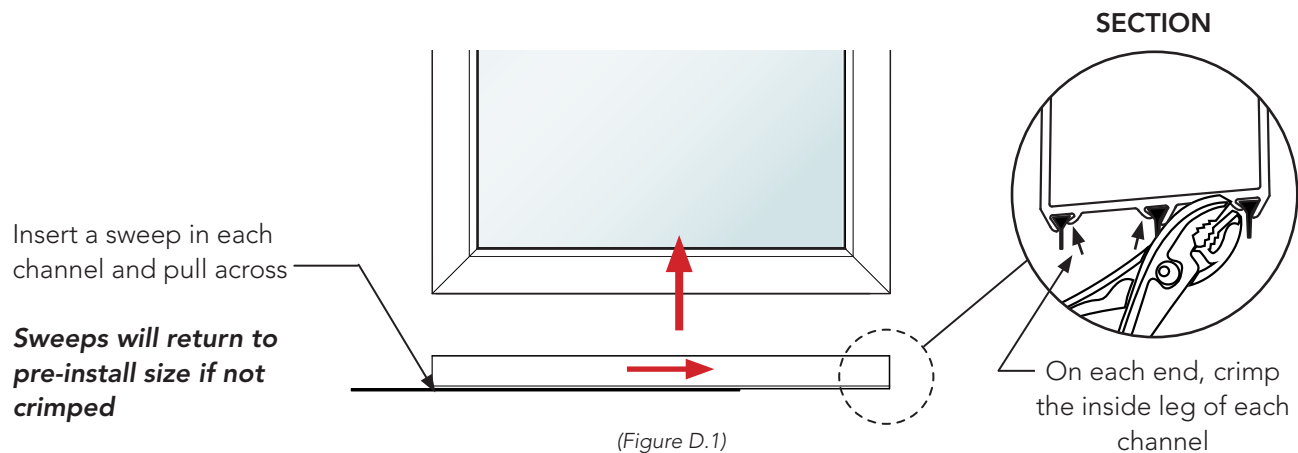


IMPORTANT NOTES BEFORE YOU BEGIN!

- The storm door astragal will ship handed as ordered with full top and bottom factory prep. Top is a 90° straight cut with weatherstrip flange factory notched to allow for proper fit within header z-bar. The bottom is factory cut to fit the inactive door 2" bottom expander.
- The astragal is shipped longer than required; therefore, some minimal field preparation will be needed depending on hardware type ordered. This section provides field preparation instruction for each of the following hardware options:
 - Mortise Hardware Astragal (requires additional preparation at bottom)
 - Surface Mounted Hardware Astragal (requires additional preparation at top)

NOTE: The bottom expanders ship in (2) different lengths. The active door expander is factory cut to width of active door. The inactive door expander is shipped longer requiring a field cut.

ACTIVE SLAB BOTTOM EXPANDER AND SWEEPS



- 1 Locate the **ACTIVE** door slab bottom expander, **SHORTER** of the (2) expanders.
- 2 **ONLY ACTIVE door bottom expander** (expander same width as door), insert (3) black rubber sweeps into channels on bottom side of expander. (Rubber sweeps are packaged with each door slab, located in closer box or white box). Pull each sweep across the full length of channel. **BE SURE to NOT stretch sweeps before proceeding to next step. Sweeps will return to pre-install size if not crimped.** (Figure D.1)
- 3 From each end of the bottom expander, crimp **ONLY** the **INSIDE** leg of each channel closed to secure sweep in place. Refer to detail. Install the expander onto the active door. (Figure D.1).

D. ASTRAGAL AND BOTTOM EXPANDERS (CONT.)

ADJUST AND SECURE ACTIVE DOOR BOTTOM EXPANDER - EXTERIOR VIEW



(Figure D.2)

- 4 Carefully adjust the ACTIVE door bottom expander until sweeps just touch the threshold. Drill a $\frac{7}{64}$ " pilot hole centered in each factory prepped expander slot, interior side. Secure using a #6 x $\frac{1}{2}$ " color matched screw in each slot. (Figure D.2)



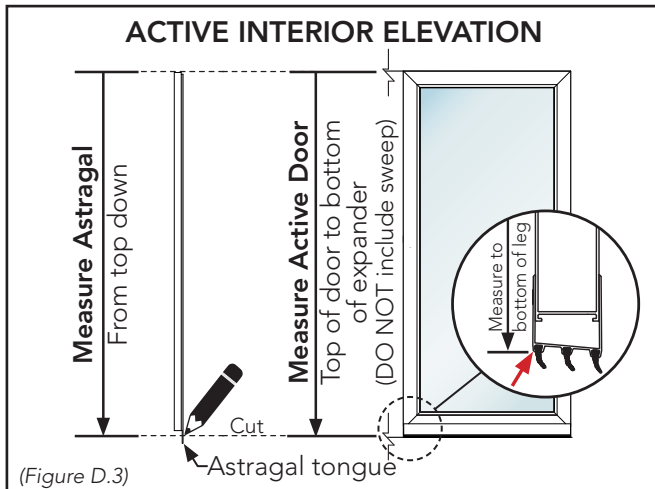
DETERMINE STORM DOOR HARDWARE TYPE:

FOR A MORTISE HARDWARE ASTRAGAL, CONTINUE TO PAGE 12, STEPS 5a - 5e.

OR

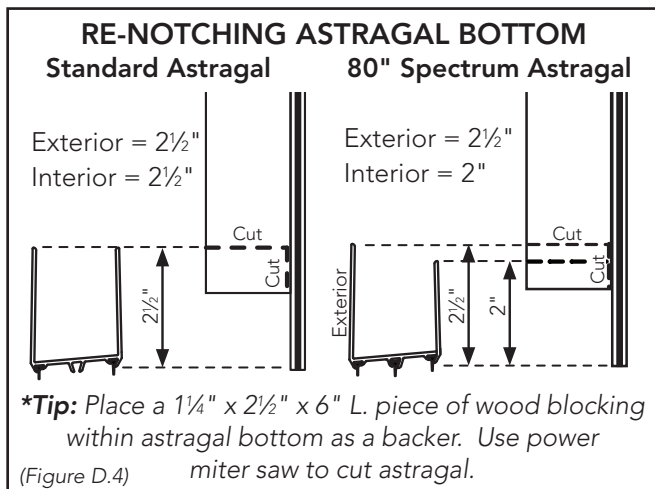
FOR SURFACE MOUNTED HARDWARE ASTRAGAL, CONTINUE TO PAGE 13, STEPS 6a - 6e.

D. ASTRAGAL AND BOTTOM EXPANDERS (CONT.)



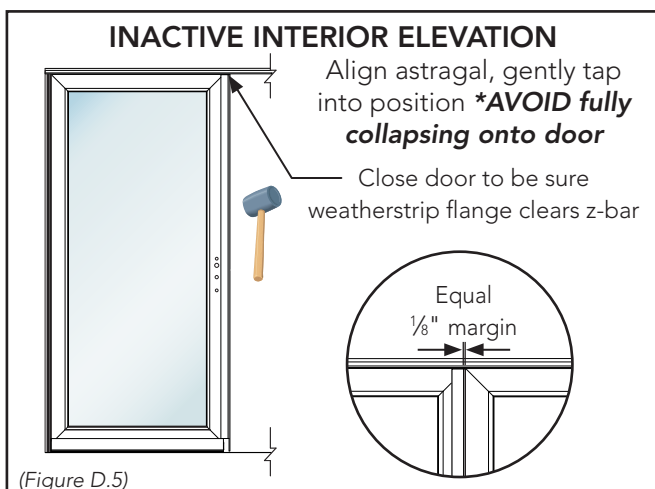
MORTISE HARDWARE ASTRAGAL (STRIKE PLATE FACTORY INSTALLED ON ASTRAGAL):

- 5a For all doors with mortise hardware, measure the INTERIOR side of the active door from top of door slab to bottom of the bottom expander (not including rubber sweep). (Figure D.3)
- 5b Using measurement determined from Step 5a, measure from the top of the astragal and cut astragal to this length. Astragal MUST BE cut from the BOTTOM ONLY to keep mortise hardware location at correct height. (Figure D.3)



- 5c Re-notch astragal using the factory notch as a template to measure, mark, and cut a new notch for the bottom expander. Notch will require a horizontal cut across each astragal leg with a vertical cut along each side of tongue to extend notch. Refer to Figure D.4.

NOTE: For 80" Spectrum™ Doors, the bottom expander has offset legs; the astragal will need to be notched accordingly. Refer to Figure D.4.

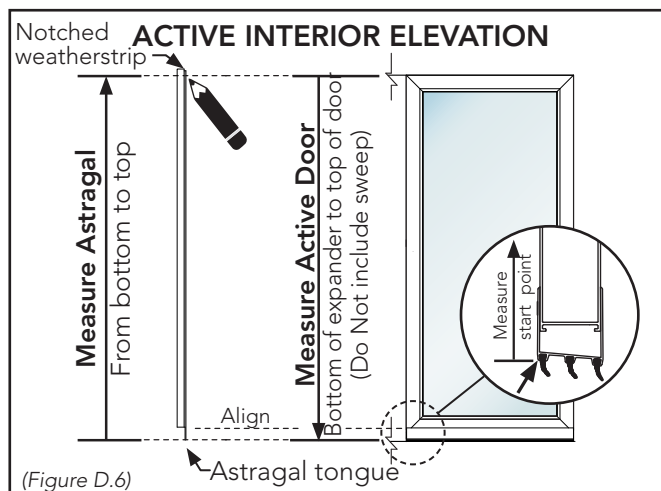


- 5d Place astragal on inactive door slab and flush with top of door. **DO NOT** fully collapse onto door edge to avoid damaging paint finish. Start astragal on very edge and tap into position, adjusting margins. Close the inactive door to be sure top weatherstrip factory notch clears inside z-bar. Then close both doors to adjust astragal to an equal margin for the full height. Margin will be approximately 1/8". (Figure D.5)



**ASTRAGAL PREPARATION IS COMPLETE.
PROCEED TO STEP #7.**

D. ASTRAGAL AND BOTTOM EXPANDERS (CONT.)



SURFACE MOUNTED HARDWARE ASTRAGAL (NO STRIKE PLATE ON ASTRAGAL):

 For 80" Spectrum™ doors, follow full astragal prep as instructed on page 12 for Mortise Hardware due to offset bottom expander. **DO NOT FOLLOW** as instructed below!

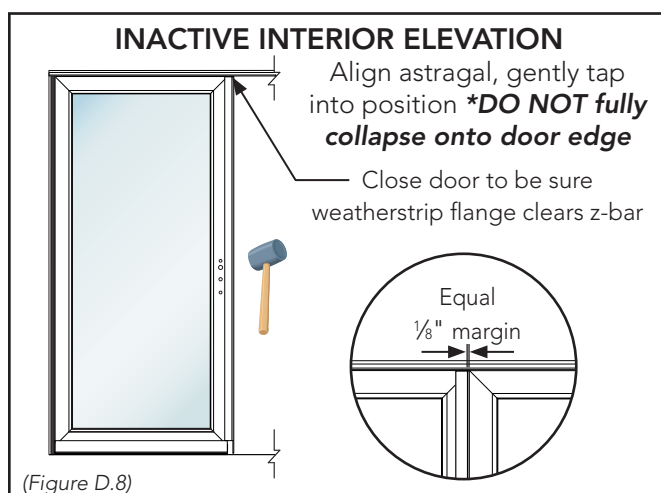
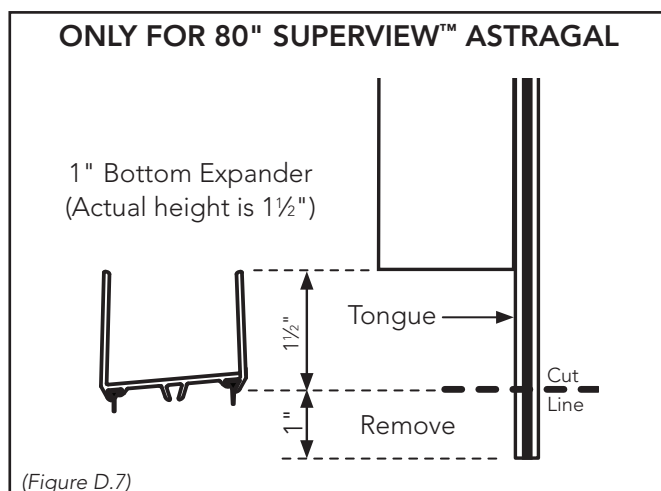
6a From the INTERIOR, measure the active door height from bottom of the bottom expander (not including rubber sweep) to the top of door slab. (Figure D.6)

6b For 80" SuperView™ doors with 1" bottom expander, the astragal top and bottom will require field preparation. **BEFORE** Steps 6c - 6e are performed, 1" MUST be cut from the astragal bottom tongue. After cut is made, check to be sure astragal tongue is 1½" and equal to the bottom expander height. Continue with following steps as instructed. (Figure D.7)

6c Using the measurement determined from Step 6a, measure from the bottom of the astragal and cut the astragal to this length. The astragal MUST be cut from the TOP ONLY. The factory notch will be removed. (Figure D.6)

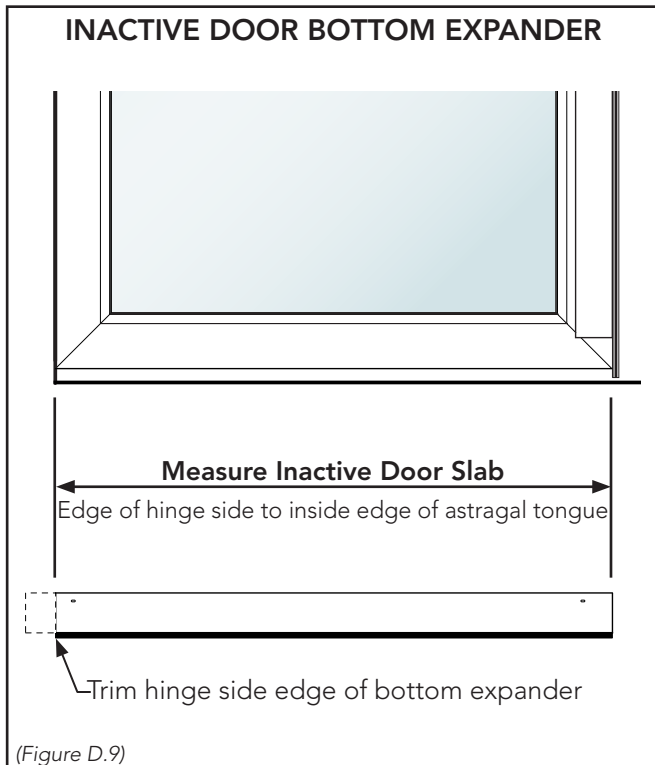
6d Using the cut-off piece of the astragal as a template, re-notch the astragal weatherstrip flange to match the factory notch.

6e Place astragal on inactive door slab and flush with top of door. **DO NOT** fully collapse onto door edge to avoid damaging paint finish. Start astragal on very edge and tap into position, adjusting margins. Close the inactive door to be sure top weatherstrip factory notch clears inside z-bar. Then close both doors to adjust astragal to an equal margin for the full height. Margin will be approximately ⅛". (Figure D.8)



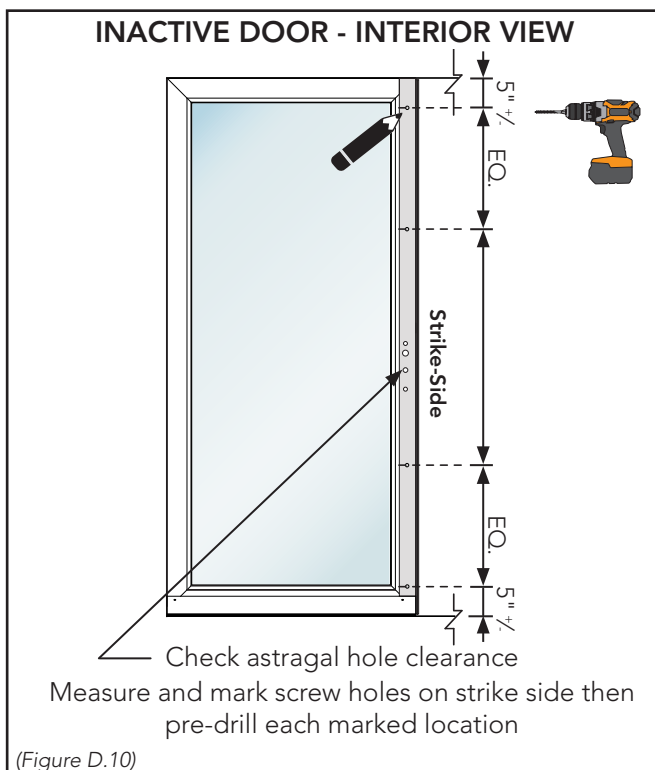
ASTRAGAL PREPARATION IS COMPLETE. PROCEED TO STEP #7.

D. ASTRAGAL AND BOTTOM EXPANDERS (CONT.)



7 Measure bottom of the inactive door from the hinge-side to the inside edge of the astragal tongue. Using measurement determined, measure and mark the bottom expander. Be sure expander is correctly oriented with bottom edge of expander sloped to the exterior. Cut expander to length from the hinge side end, leaving factory edge against astragal. Insert bottom sweep(s) as instructed previously in this Section. (Figure D.9)

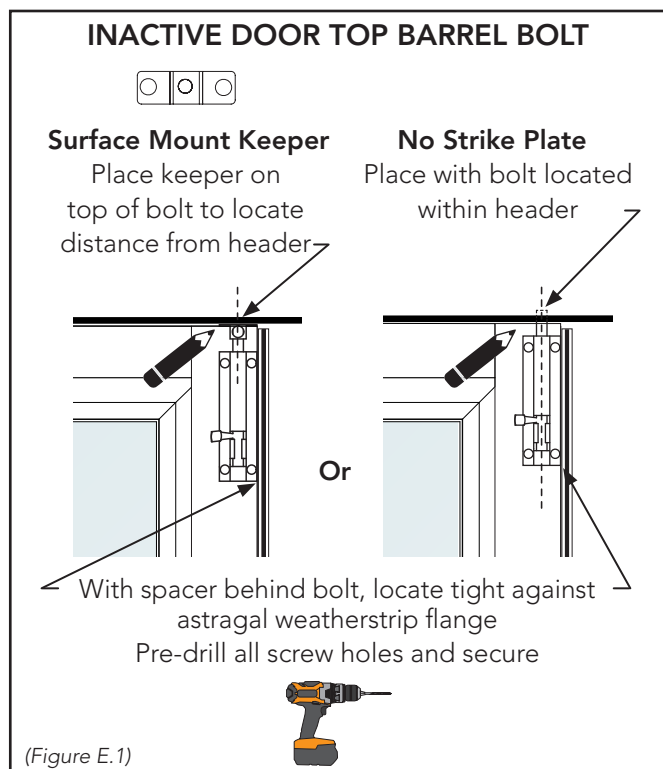
8 Position bottom expander on the inactive door slab. Carefully adjust the bottom expander until sweep(s) just touch the threshold. Mark (2) locations similar to the active door expander screw holes. Drill a $\frac{7}{64}$ " pilot hole through the expander and door slab. Secure using a #6 x $\frac{1}{2}$ " color matched screw in each slot.



9 If inactive door factory prepped handle set holes are partially covered by astragal, mark astragal for required hole clearance. Remove astragal and field prep for clearance. BE SURE handle set body covers alteration. (Figure D.10)

10 On the interior side only, measure and mark the astragal screw hole locations. Pre-drill (4) $\frac{3}{32}$ " holes as shown in Figure D.10. Secure using the color matched screws provided. (Figure D.10)

E. INACTIVE DOOR BARREL BOLTS

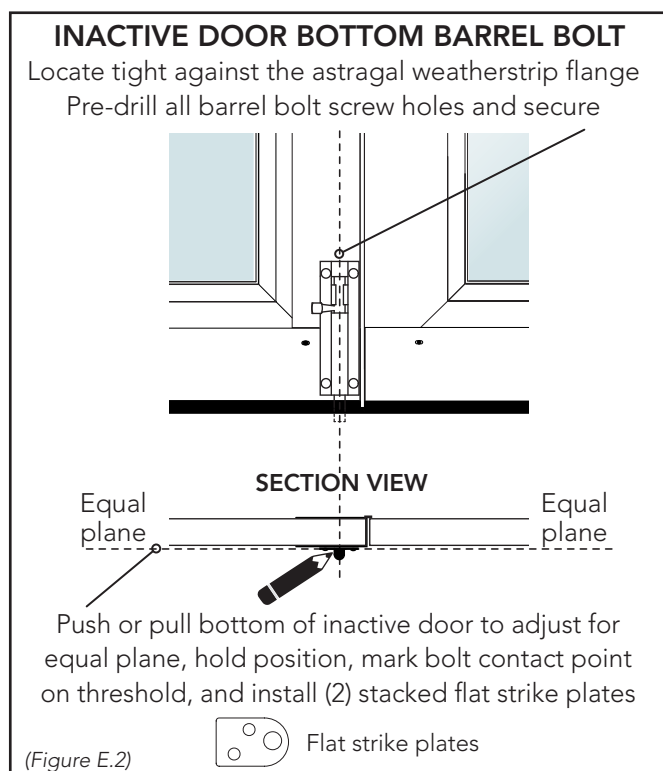


1 For the top barrel bolt, choose either the raised surface mounted keeper or no strike plate. Option will affect barrel bolt mounting location.

2 From the interior with inactive door closed, locate and install the top barrel bolt. Position bolt tight against the astragal weatherstrip flange. Engage and lock bolt to locate the bolt position.

- **If using no strike plate**, place the provided clear plastic spacer behind the barrel bolt. Mark the bolt location on the head jamb and drill a 5/16" hole into the jamb to receive the bolt. Place the barrel bolt on the door so the bolt engages 1/4" into the head jamb and secure to door using the screws provided. (Figure E.1)

- **If using a surface mount strike plate**, place the provided clear plastic spacer behind the barrel bolt. Slide the strike plate over the bolt. Hold the bolt, spacer, and strike plate in the correct position and mark the screw location on the inactive door. Secure the barrel bolt using the provided screws. (Figure E.1)

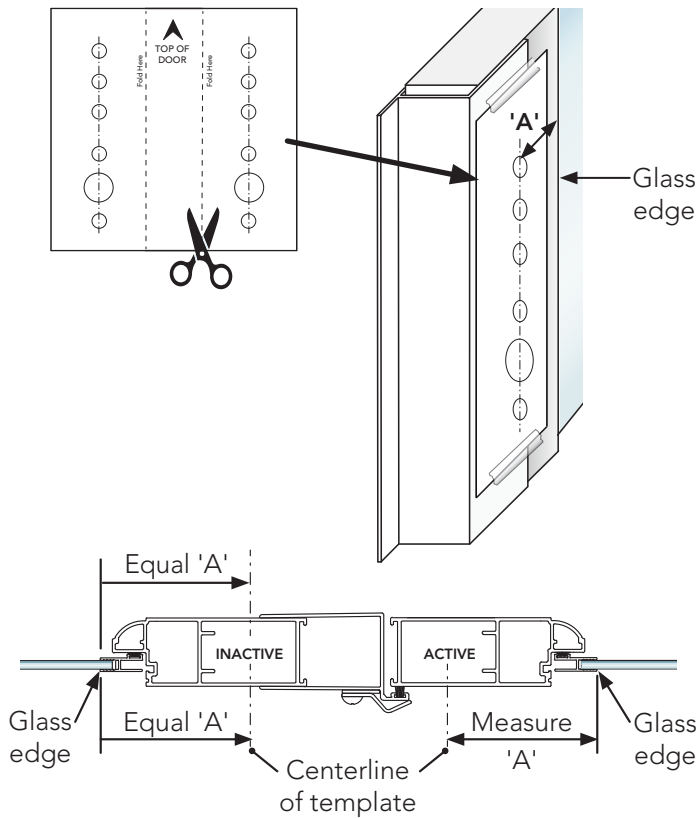


3 From the interior, locate and install the bottom barrel bolt. With the inactive door closed, position the bolt tight against the astragal weatherstrip flange and aligned with top barrel bolt. Engage and lock bolt, locate barrel bolt on the door so the bolt only touches the threshold when locked. **DO NOT drill the bolt receiving hole in threshold.** Secure the barrel bolt using screws provided. (Figure E.2)

4 Close inactive and active doors. Check door slabs for the same plane, top to bottom. If needed, push or pull bottom of the inactive door slab to adjust for equal plane. Hold position and engage bottom bolt to locate and mark the contact point on threshold. Using both flat strike plates provided, stack plates on top of each other and install at the marked location on the threshold. Drill 3/32" pilot holes for each plate screw hole and secure using screws provided. (Figure E.2)

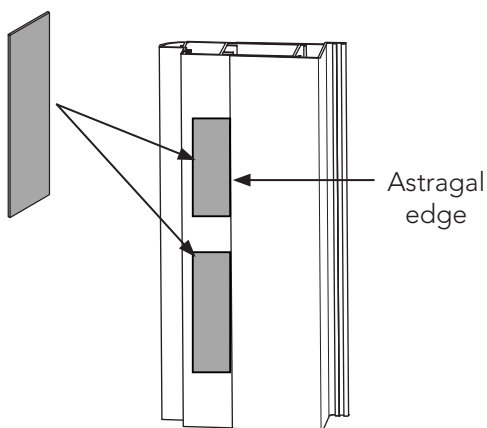
F. INSTALL HANDLE SET, CLOSER, SCREW COVERS, AND PLUGS

CUT AND LOCATE TEMPLATE - INACTIVE DOOR



(Figure F.1)

SHIMS REQUIRED - INACTIVE DOOR



(Figure F.2)

! IMPORTANT! DO NOT USE a power tool to install handle set hardware. Doing so can cause damage and void warranty. DO NOT OVER TIGHTEN SCREWS.

- 1 For doors with surface mounted hardware and no handleset prep:**
 - a. For the ACTIVE door, use the manufacturer's drill template included in the hardware box to locate and mark the handle set holes.
 - b. For the INACTIVE door, place template on the door slab as instructed, BUT DO NOT WRAP THE TEMPLATE. The template will not properly align when wrapped. Cut template. Tape in place such that the centerline of the template is the same distance from the glass as the active side. (Figure F.1)
 - c. Drill all template holes. Proceed with the manufacturer's hardware installation instructions.
 - d. On the inactive door, the handle will be positioned over astragal's edge. Use the (2) black $\frac{1}{16}$ " trimmable shims (included) to compensate for the height difference. Trim and install shims under the interior and exterior handle. (Figure F.2)

**Windsor Handle Set
Installation Instruction
With Template**



**Townsend Handle Set
Installation Instruction
With Template**



**Contemporary Curve
Handle Installation
Instruction With Template**



F. INSTALL HANDLE SET, CLOSER, SCREW COVERS, AND PLUGS (CONT.)

⚠ REMINDER! DO NOT USE a power tool to install handle set hardware. Doing so can cause damage and void warranty. DO NOT OVER TIGHTEN SCREWS.

2 For doors with mortise hardware:

Install handle set. Lock body and strike plate are factory installed. Follow manufacturer's instruction (included) to install handle set. Check alignment of the latch and bolt with strike plate. If adjustment is required, loosen all strike plate screws. Adjust plate position and re-tighten screws. Back plate retainer clips will prevent plate from falling when screws are loosened. Handle set will be positioned over astragal edge. (2) flat black ¼" x 8" trimmable shims are included to compensate for level difference. Trim and install under the interior and exterior handle set. (Refer to Figure F.3 on previous page)

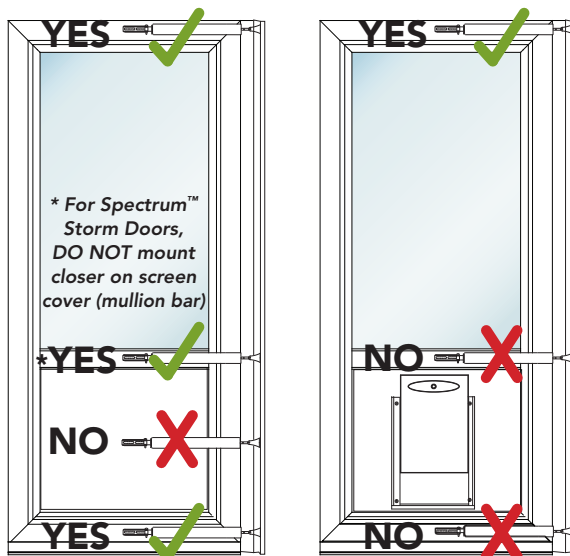
Multi-Point Mortise Handle Set
Installation Instruction



Single-Point Mortise Handle Set
Installation Instruction



CLOSER MOUNTING LOCATIONS - INTERIOR VIEW



Storm Door with
Kickpanel

Storm Door with
Pet Door

(Figure F.4)

3 Install closer. Determine mounting location. (See Figure for correct mounting locations.) **DO NOT** mount closer on kick panel. **DO NOT** mount closer above or below a pet door. For Spectrum™ ONLY, **DO NOT MOUNT CLOSER ON SCREEN COVER(S)**. Follow manufacturer's instruction (included) to install the closer. Use the black pre-load clip located on closer piston as indicated in the manufacturer's instruction for best results. Closer should be installed using the front hole of the closer end plug. (Figure F.4)

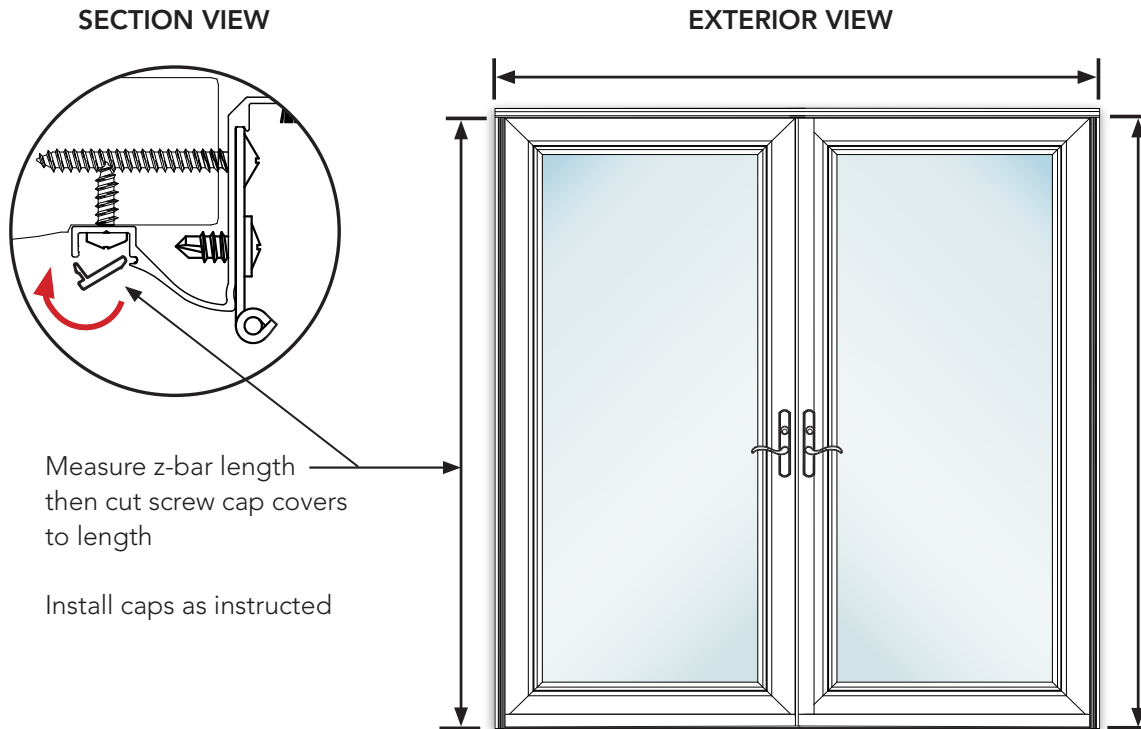
Recommendation: ProVia® strongly recommends installing the closer wind chain. Refer to the QR code shown for video on the wind chain installation.



NOTE: Refer to the QR Code at the end of this instruction for a helpful video on storm door closer installation and adjustments.

F. INSTALL HANDLE SET, CLOSER, SCREW COVERS, AND PLUGS (CONT.)

INSTALL SCREW CAP COVERS



(Figure F.5)

- 4 Install screw cap covers. **Before installing, BE SURE adjustments are FINAL and doors are working properly.** Measure header and each jamb side z-bar. Cut each screw cap cover to length required. Insert the chamfered edge into the door side of the z-bar screw cover channel. Use a soft mallet to embed the screw cover snap leg into the outside edge of the z-bar screw cover channel. (Figure F.5)

NOTE: If daylight is visible between bottom of z-bar and threshold, apply opaque caulking to seal off the exposed daylight.

- 5 In each open end of header Z-bar, insert corresponding Z-bar plug (included). Plugs are labeled 'L' or 'R' for handing. *If plug feels loose, a small bead of adhesive or sealant can be used when installing.*

NOTE: Z-bar header plugs can not be used with Slimline™ Z-bar applications.



TROUBLESHOOTING & TIPS

PROBLEM	CAUSE	SOLUTION
Door(s) will not close	1. Header weatherstrip flange needs aligned. 2. Air pressure between primary door and storm door (air is trapped). 3. Closer speed needs adjusted. 4. Hinge bind due to z-bar installed improperly.	1. Refer to Section C. Tap header z-bar until weatherstrip flange is aligned with jamb weatherstrip flange. 2. Slightly raise bottom expander until sweep(s) just touch the threshold. 3. Refer to closer instruction for adjustments. 4. Loosen installation screws to properly position z-bar to avoid binding.
Hinge-side of door(s) is binding	1. Face screws are too tight. 2. Opening or the z-bars are out of square. 3. Bottom expander is dragging. 4. Piano hinge is not plumb with jamb. 5. Header weatherstrip flange needs aligned.	1. Back off face screws ¼ of a turn. 2. Loosen screws and re-adjust position of z-bars. Shims may be needed behind z-bars. 3. Slightly raise bottom expander until sweep(s) just touch the threshold. 4. Place a putty knife between hinge and jamb. Slightly turn knife towards door slab to remove any bind in piano hinge. 5. Refer to Section C. Tap header z-bar until weatherstrip flange is aligned with jamb weatherstrip flange.
Storm door is squeaking	1. Hinge screws are too tight. 2. New hinge is tight. 3. Hinge-side z-bar is not straight causing undue pressure on hinges.	1. Back off screws ¼ of a turn. 2. Spray hinge with a silicone lubricant. 3. Loosen screws and re-adjust position of z-bars to achieve equal and straight margins.
Header z-bar top margin is wider in center	1. Hinge drop. 2. Brickmold or trim is not properly secured to structure.	1. Remove screw cover, loosen header z-bar screws, and re-adjust position for equal and straight margin. 2. Properly secure to structure as required. Z-bars may need to be removed in order to secure trim.
Top strike-side corner is contacting astragal	1. Hinge drop. 2. Brickmold or trim is not properly secured to structure. 3. Astragal placement.	1. Remove screw cover and face screws, use hinge screws to adjust. Hinge must be able to support weight of door. Refer to Section C. 2. Properly secure to structure as required. Z-bars may need to be removed in order to secure trim. 3. Adjust top of astragal away from active door slab.



TROUBLESHOOTING & TIPS

**Please call Customer Support for additional installation inquiries at 1-800-669-4711.*

**For additional information and helpful videos, SCAN or TAP the QR Codes.*

VISIT OUR INSTALLATION SUPPORT HOMEPAGE



Critical Steps:
Double Storm Door
Installation Video



Storm Door Closer
Installation and
Adjustment Video



Closer Installation
(Manufacturer's
Instruction)



Mortise Strike Plate
Adjustment



Replacing Storm
Door Key Cylinder
Instruction



Condensation,
Humidity, Dew Pt
Flyer



Spectrum Balancer
Replacement
Instruction Video



Spectrum Screen
Replacement
Instruction Video



Storm Door User Manual: Operation & Maintenance
For All Series & Models

