



INSTALLATION INSTRUCTION

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
- Pencil
- Shims
- Drill & Drill Bits
- Utility Knife
- Hacksaw (or Power Miter Saw)
- Square
- Level
- Hammer
- Soft Mallet
- Pliers
- Phillips and Flat Head Screwdrivers



This document is to assist with the preparation and installation of ALL ProVia® French Spectrum™, Decorator™, Deluxe™, DuraGuard™, and SuperView™ models. Please refer to the separate and included "Storm Door Manual: Operation and Maintenance" for sash and screen insert removal and for operation of all models.



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 for any visible damages 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 damages 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 Service 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).

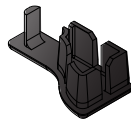
FRENCH (DOUBLE) STORM DOOR CONTENTS

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.

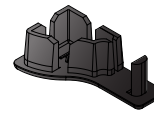
French Storm Door ships in (2) separate cartons as follows:

• **Carton #1 contains:**

- Door slab with hinge side z-bar attached, 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, 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.

Assembly Components
(as shipped from factory)

Hinge Screw Packs

(1) of the following screw pack options listed will be included depending on hinge type ordered.

(2) Continuous Hinge Packs (Piano Hinge)
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

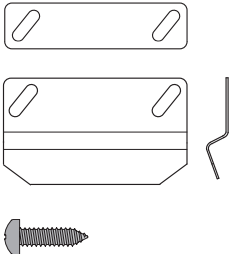


FRENCH (DOUBLE) STORM DOOR CONTENTS (CONTINUED)

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 surfaced mount orders only)

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



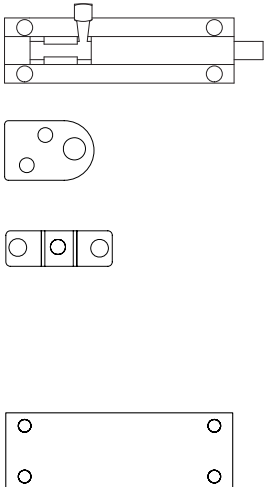
(1) Astragal Screw Pack
S-HS-783-CC

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

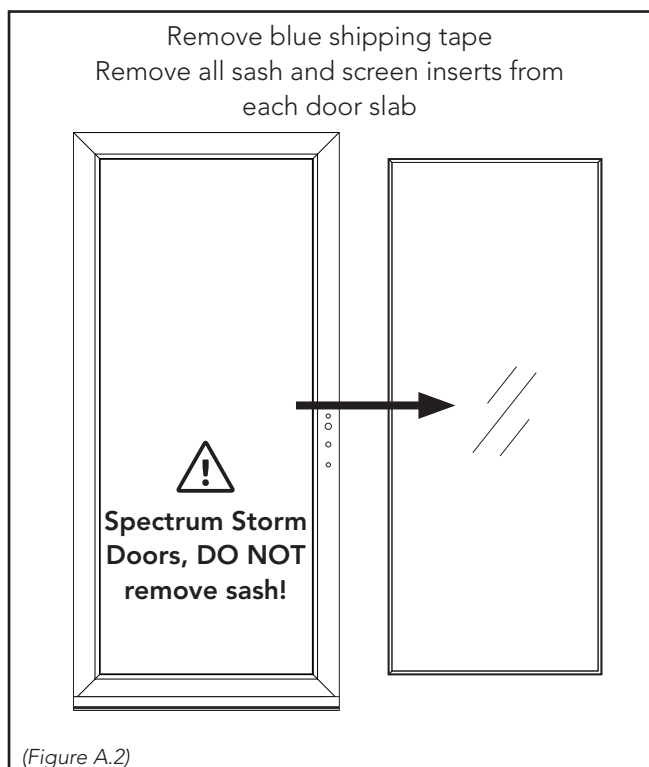
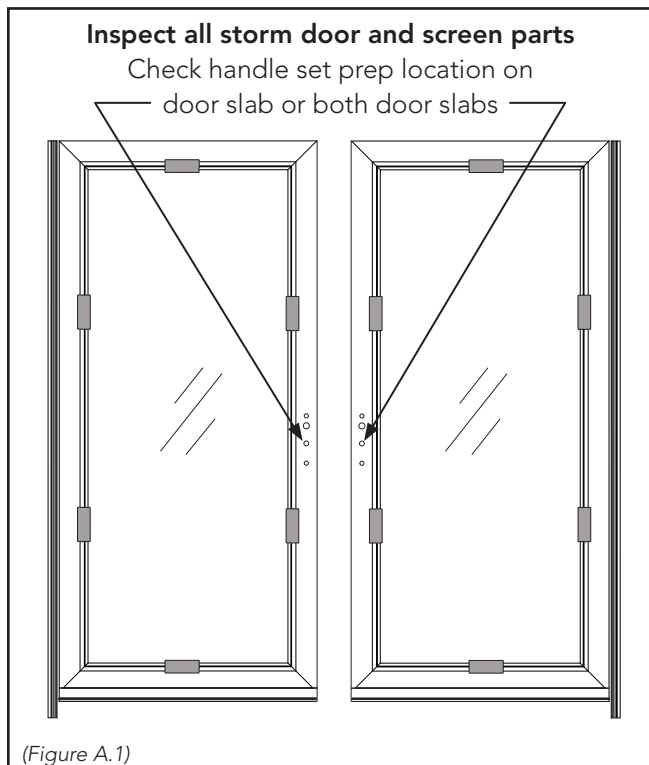


(1) 3" Barrel Bolt Pack
S-HG-008P-CC

- (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



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 each door slab, secured with blue shipping tape.

1

Confirm existing opening will accommodate new storm door. Z-bars will be mounted to the existing opening 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 box.

3

Unpack and inspect new French storm door and z-bars for any material damages. Check glass, screen, and moving parts; locks and all operational hardware.

NOTE: Moving parts can be repaired AFTER storm door unit is installed. Contact dealer or Customer Service with pictures and order number for replacement parts.

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

For all storm doors, **EXCEPT** Spectrum models, remove blue shipping tape. Then remove all sash and screen inserts. Carefully set aside. (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

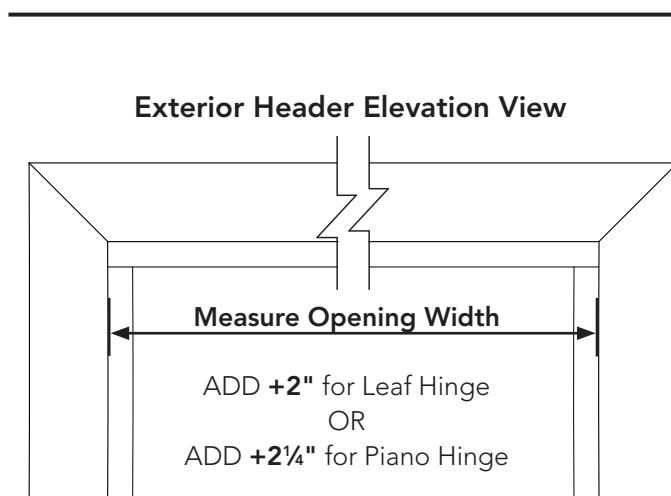
Wipe each door slab down with a soft cloth to remove any metal burrs and inspect for damage.

B. INSTALLATION



IMPORTANT NOTES BEFORE YOU BEGIN THIS SECTION!

- Header z-bar is shipped with each end factory prepped and notched. One end **ONLY** 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.
- For installation of all face mounted #6 x 1" pan head screws, center each screw directly on score line located within the z-bar screw cover channel.
- **DO NOT** install exterior screw covers until storm door installation is complete.
- It is **CRITICAL** throughout installation of storm door to **NOT OVER TIGHTEN SCREWS**. Doing so can cause z-bar to roll, twist, or bind.



(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)

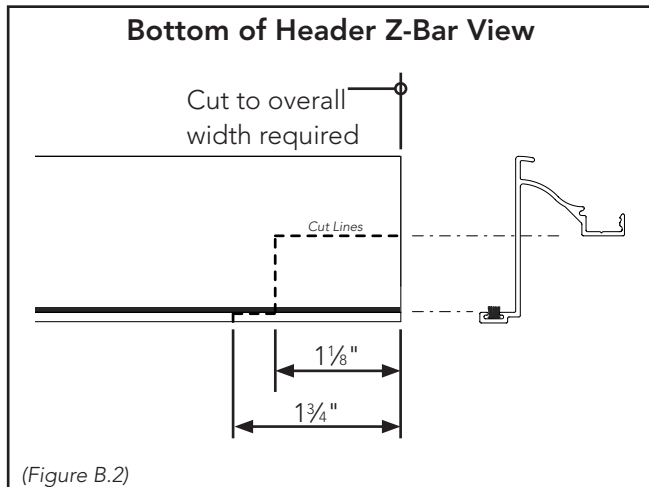
Leaf Hinge:

Opening Width + 2" = Header Z-bar Length

Piano Hinge:

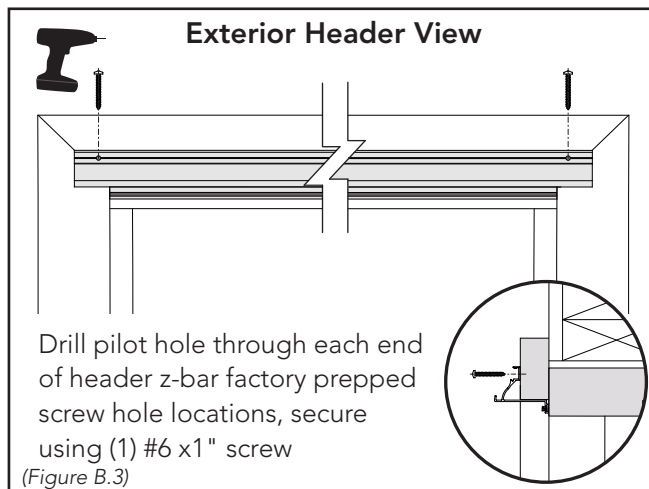
Opening Width + 2¼" = Header Z-bar Length

B. INSTALLATION (CONTINUED)



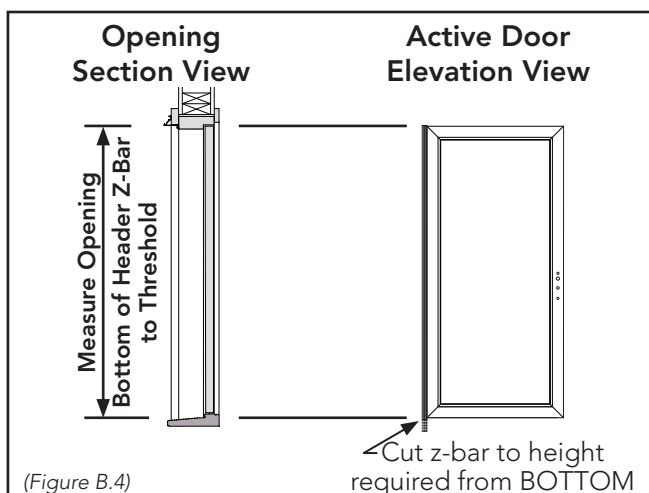
2

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 opening and tight against jamb header. Drill a 3/32" pilot hole into brickmold or trim board through each end of header z-bar factory prepped screw hole locations. Secure each end using (1) #6 x1" pan head face screw. (Figure B.3)

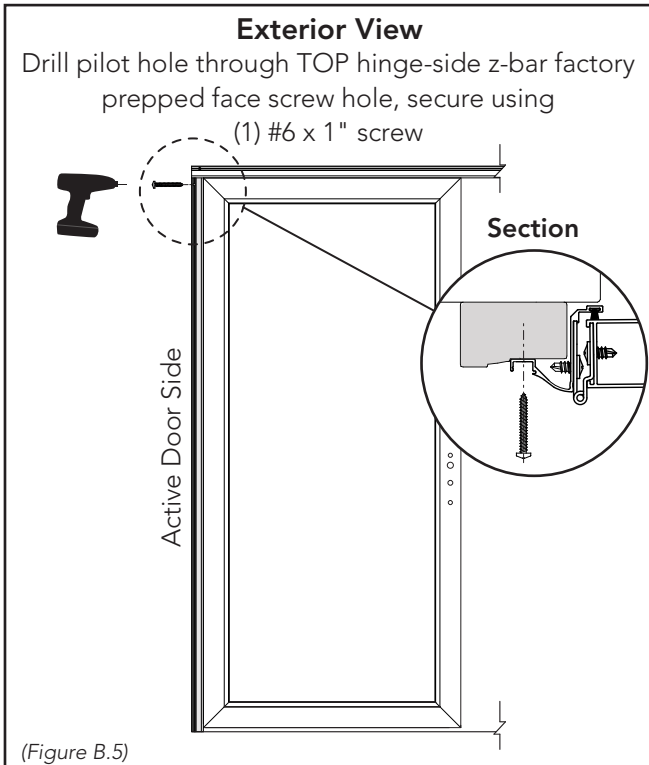


4

Measure the opening height of the active door jamb-side from bottom of the header z-bar to threshold. Be sure active door is correctly oriented. Using measurement determined, measure and mark the hinge z-bar from the top down. Cut to height required from bottom of z-bar ONLY. Angle the cut to match threshold slope if possible. (Figure B.4)

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

B. INSTALLATION (CONTINUED)



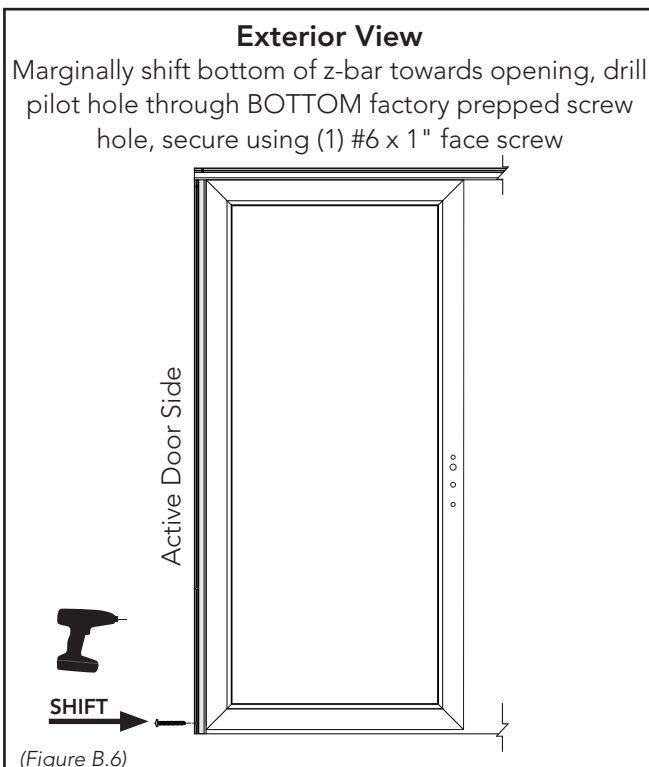
5

Position the active door in opening, sill first. Drill a $\frac{3}{32}$ " pilot hole into the brickmold or trim board through the TOP z-bar factory prepped face mount screw hole. Secure using (1) #6 x 1" pan head face screw. (Figure B.5)



IMPORTANT! The following Steps instruct a marginal shift of the hinge z-bar. These steps are done to slightly elevate the strike-side, setting top margin and also counteracting hinge-drop and door drag after sash(es) are re-installed.

Monitor and maintain door alignment with each step of the installation. Each door should constantly remain at the same height with a uniform center margin between.



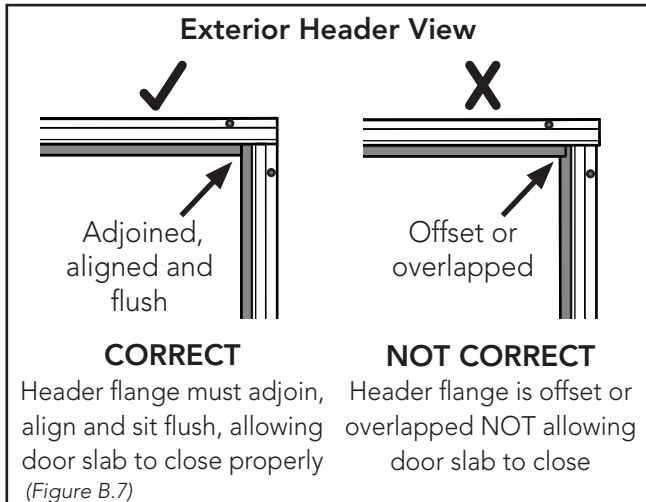
6

Marginally shift bottom of z-bar AWAY from the jamb side to establish an approximate $\frac{1}{8}$ " margin between header z-bar and door slab. Drill a $\frac{3}{32}$ " pilot hole through the BOTTOM z-bar factory prepped face mount screw hole location. Secure using (1) #6 x 1" pan head face screw. (Figure B.6)

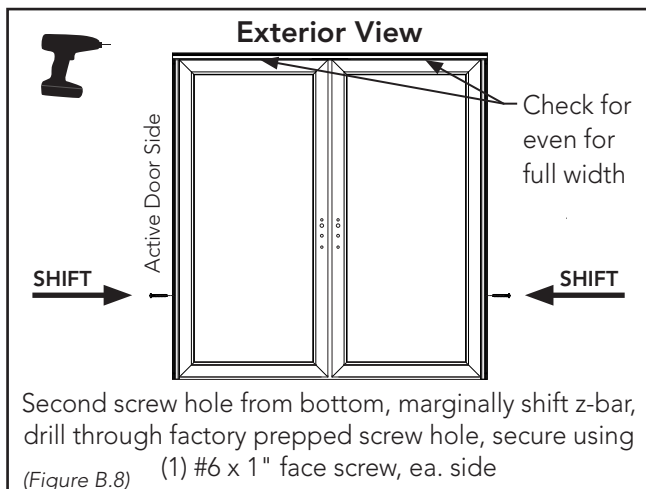
7

Repeat Steps 5 and 6 for inactive door slab. Check top of doors for even across full width. Check to be sure each handle set prep aligns.

B. INSTALLATION (CONTINUED)

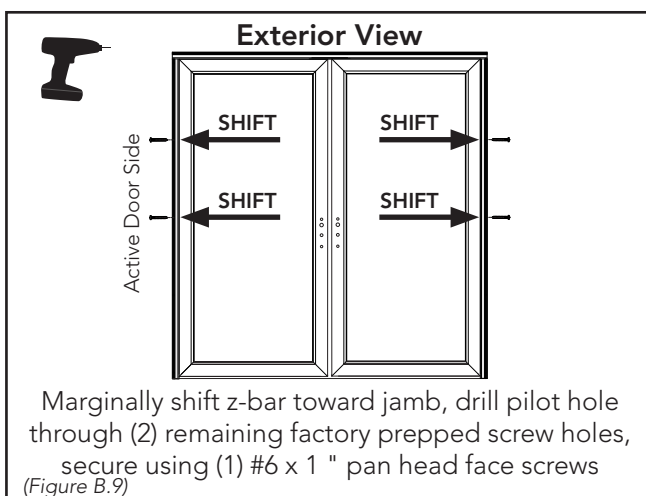


8 Open each door to check the alignment of header weatherstrip flange with each jamb-side weatherstrip flange. Header flange **MUST** adjoin, align and sit flush to the adjacent flange. If header flange is offset, use a soft mallet to gently seat the z-bar back against the exterior trim. If the weatherstrip flange is overlapping, remove installation screws as needed to adjust z-bars until properly adjoined. (Figure B.7)



9 At the second screw hole location from the bottom, marginally shift 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 using (1) #6 x 1" pan head face screw. Repeat on opposite door. Re-check top of doors for even across full width. (Figure B.8)

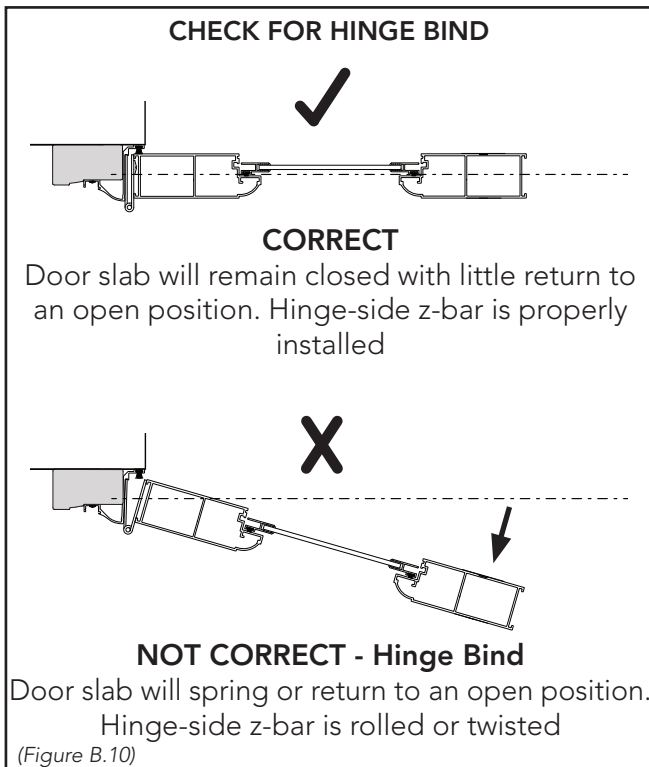
10 Marginally shift upper z-bar **TOWARD** the jamb side to establish screw locations. Drill a $\frac{3}{32}$ " pilot hole through the (2) remaining factory prepped screw hole locations. Secure using (1) #6 x 1" pan head face screw each location. Repeat on opposite door. Each door should constantly remain at the same height with a uniform center margin between. (Figure B.9)



IMPORTANT! If the previous steps for the marginal shift of the hinge z-bar will ensure that the piano hinge or the leaf hinge are appropriately supporting the weight of the door, avoiding potential sagging in the future.

11 Check header z-bar for the approximate $\frac{1}{8}$ " margin between header z-bar and door slab. Loosen face mounted z-bar screws and shift z-bar as needed.

B. INSTALLATION (CONTINUED)



12

Close door to check for hinge bind. If door gently springs open approximately 3 - 4", the face mount screws are installed over tight, causing frame to roll away from opening. Loosen all face mounted screws and re-adjust z-bar. (Fig. B.10)

NOTE: Hinge bind **MUST BE** monitored and corrected before continuing with installation in order to avoid additional operational errors such as handle set not latching and closer not fully functioning.

13

Open active door to secure inner hinge z-bar to the brickmold or trim board. **ONLY tighten hinge screws until screw head lightly contacts z-bar, especially if z-bar is not tight against exterior brickmold or trim.** Repeat on opposite side. (Figure B.11)

- **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 each using #7 x 1" pan head hinge screws.

- **Piano Hinge:** Drill a $\frac{1}{64}$ " pilot hole through each piano hinge factory prepped screw hole, through aluminum z-bar, and into the wood trim. (12) total. Secure each using #8 x 1½" truss head hinge screws.

14

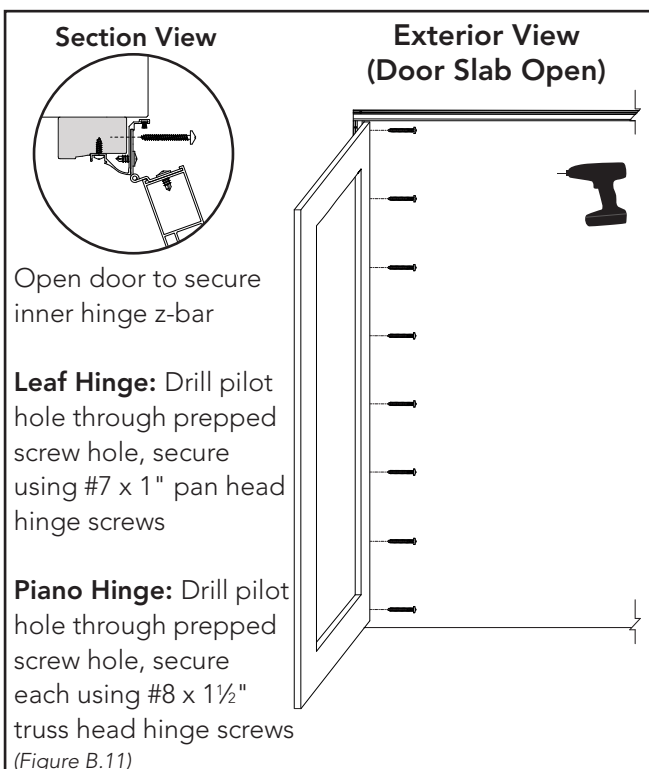
Re-install sashes. Returning door slab to full weight will allow for margin adjustment. For storm doors using the sash clips to secure sash/screen, locate clips in the hardware box then install into all rivnut locations.

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.

15

Re-check for straight and equal $\frac{1}{8}$ " margin across full width of header z-bar and door slabs.

NOTE: 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.



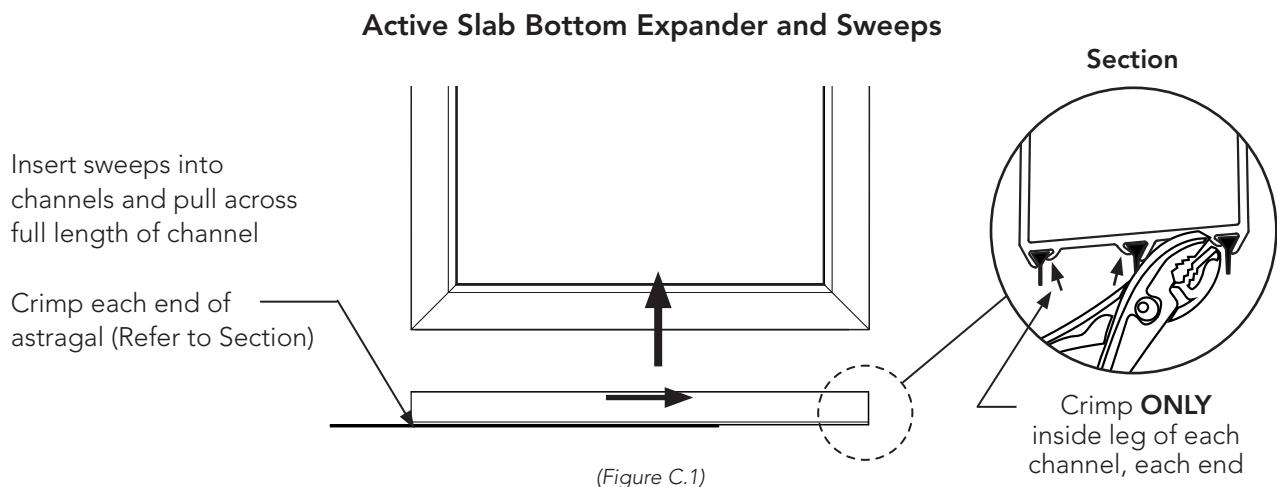
C. ASTRAGAL AND BOTTOM EXPANDERS



IMPORTANT NOTES BEFORE YOU BEGIN THIS SECTION!

- 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. Section C 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.



1

Locate the active door slab bottom expander, shorter of the (2) expanders.

2

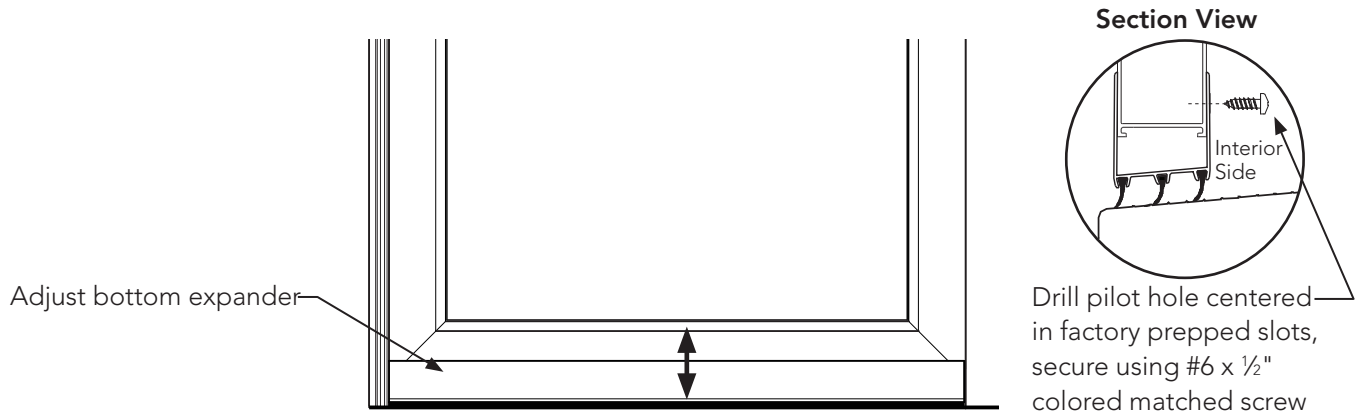
ONLY ACTIVE door bottom expander (expander cut to door width), insert (3) black rubber sweeps into channels on bottom side of expander. (Rubber sweeps are packaged with each door slab, located in closer box or white box). Pull each sweep across the full length of channel. **BE SURE to NOT stretch sweeps before proceeding to next step. Sweeps will return to pre-install size if not crimped.** (Figure C.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 expander onto determined active door. (Figure C.1).

C. ASTRAGAL AND BOTTOM EXPANDERS (CONTINUED)

Adjust and Secure Active Door Bottom Expander - Exterior View



(Figure C.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 (1) #6 x $\frac{1}{2}$ " colored matched screw in each slot. (Figure C.2)



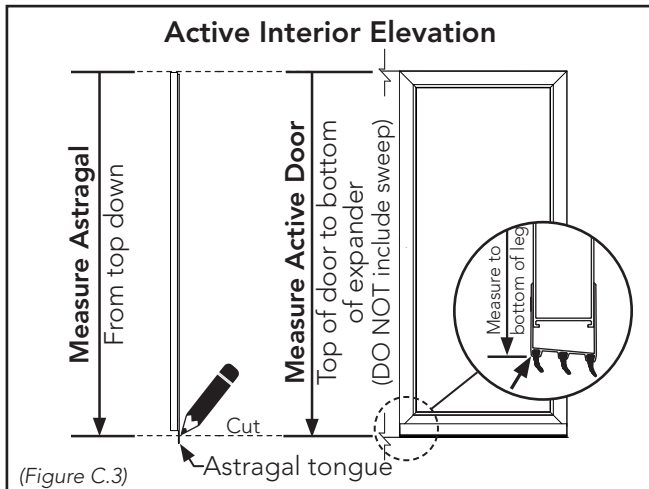
DETERMINE STORM DOOR HARDWARE TYPE:

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.

C. ASTRAGAL AND BOTTOM EXPANDERS (CONTINUED)



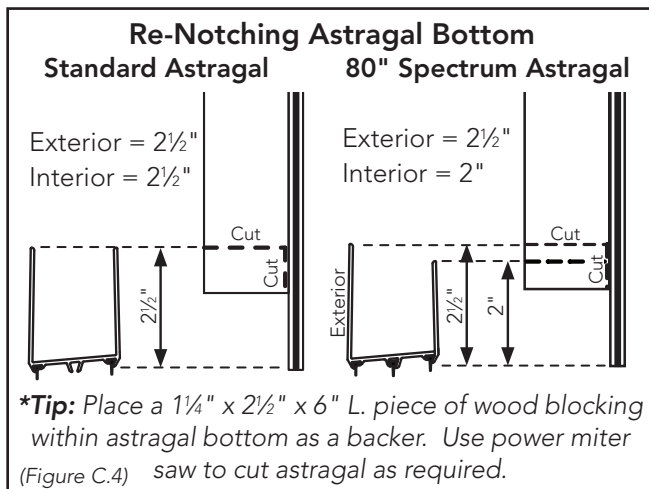
MORTISE HARDWARE ASTRAGAL (LOCK BODY AND STRIKE FACTORY INSTALLED):

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 C.3)

5b

For all doors with mortise hardware, use measurement determined to measure and mark the astragal from the top down. Astragal MUST BE cut from the BOTTOM ONLY to keep mortise hardware location at correct height. At mark, straight cut the astragal tongue. Note, the bottom end is factory notched and sized to fit against the inactive door 2" bottom expander. (Figure C.3)



5c

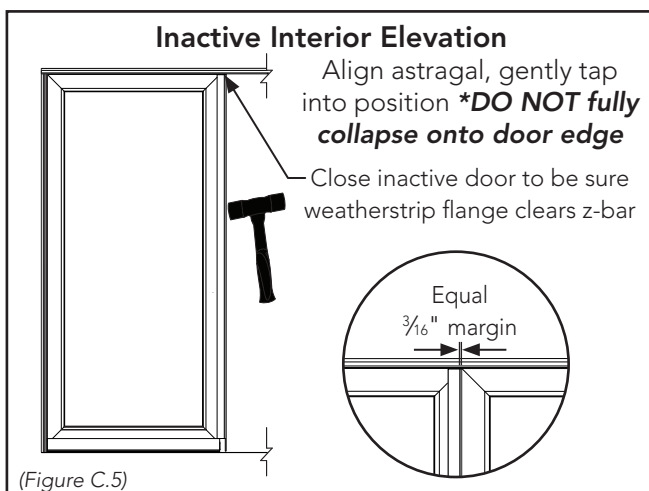
For Decorator™, Deluxe™, DuraGuard™ and 81" Spectrum™, use the factory notch as a template to measure, mark, and cut a new bottom expander notch. Notch will require a horizontal cut across each astragal leg with a vertical cut along each side of tongue to extend notch. Refer to Figure C.4.

5d

ONLY for 80" Spectrum™, the astragal bottom expander will require a new bottom notch cut to fit height and offset of the 80" Spectrum bottom expander. From the bottom cut end of astragal tongue, measure and mark the inside leg at 2" and the outside leg at 2 1/2". Notch will require a horizontal cut across each astragal leg, at (2) different heights, with a vertical cut along each side of tongue to extend notch to each specific height. Refer to Figure C.4.

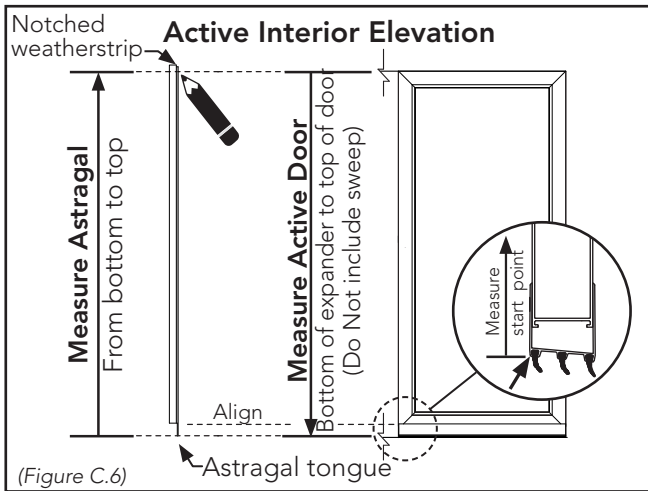
5e

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 3/16". (Figure C.5)



Astragal preparation is complete. Proceed to Step #7.

C. ASTRAGAL AND BOTTOM EXPANDERS (CONTINUED)



SURFACE MOUNTED HARDWARE ASTRAGAL (NO HARDWARE PREP):



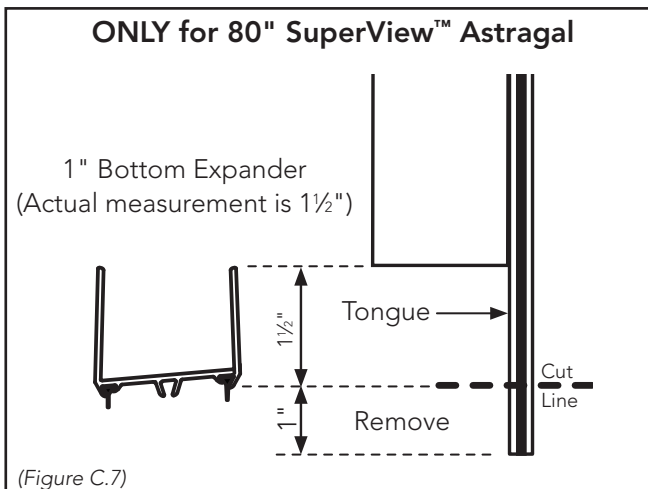
ONLY for 80" Spectrum™, follow full astragal prep as instructed on page 12 for Mortise Hardware due to offset bottom expander. DO NOT FOLLOW as instructed below!

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 C.6)

6b

ONLY for 80" SuperView™ 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 equal to 1½" and equal to the bottom expander height. Continue with following steps as instructed. (Figure C.7)



6c

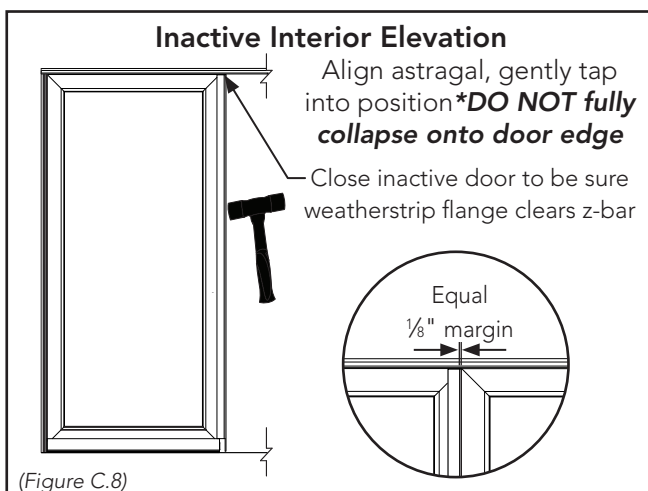
Use measurement determined to measure and mark the astragal from the bottom of astragal tongue up. At mark, straight cut TOP of astragal to height determined. The factory notch will be removed. (Figure C.6)

6d

The weatherstrip flange must be re-notched to fit inside z-bar. Align astragal with inactive door, close door, and mark bottom of z-bar header on weatherstrip flange. Cut flange notch. Flange notch will be approx. ¼". Use the factory weatherstrip notch as a template to re-notch flange.

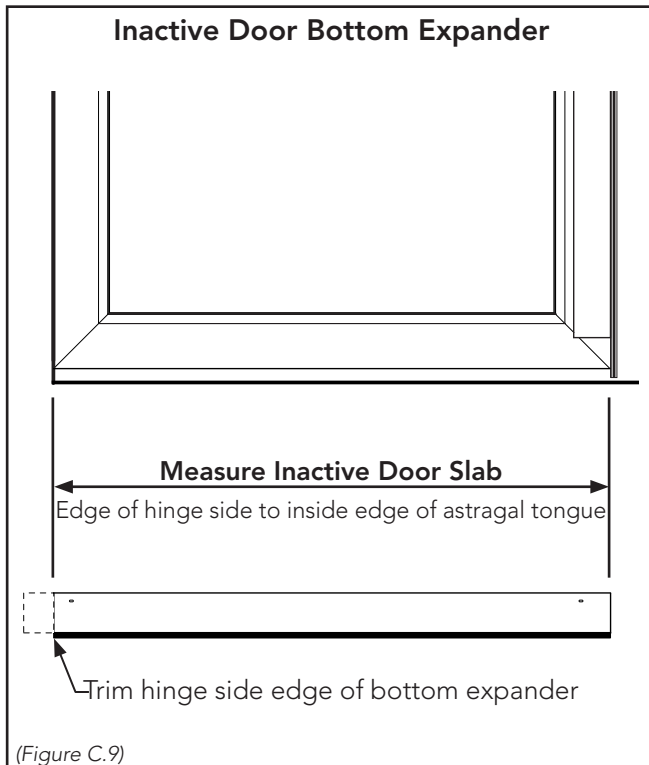
6e

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 C.8)



Astragal preparation is complete. Proceed to Step #7.

C. ASTRAGAL AND BOTTOM EXPANDER (CONTINUED)

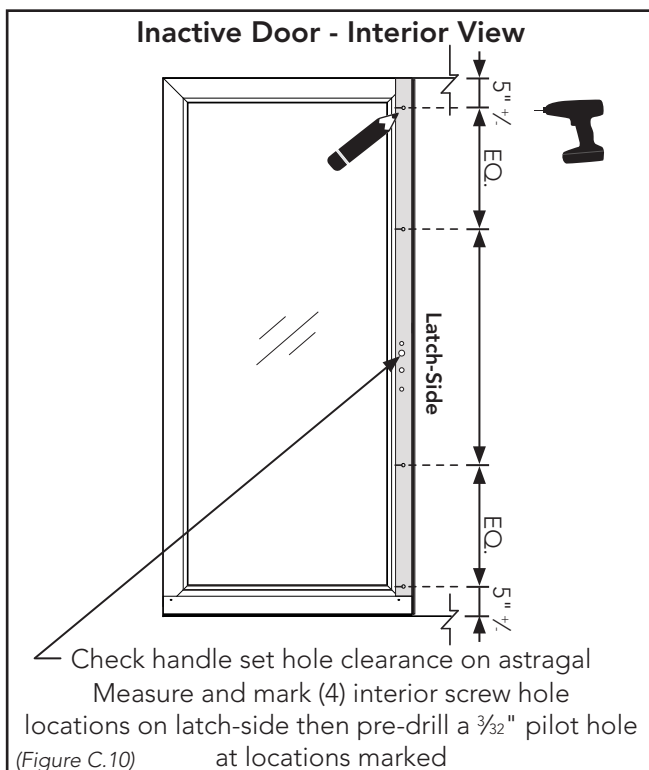


7

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 C.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 (1) #6 x $\frac{1}{2}$ " colored matched screw in each slot.



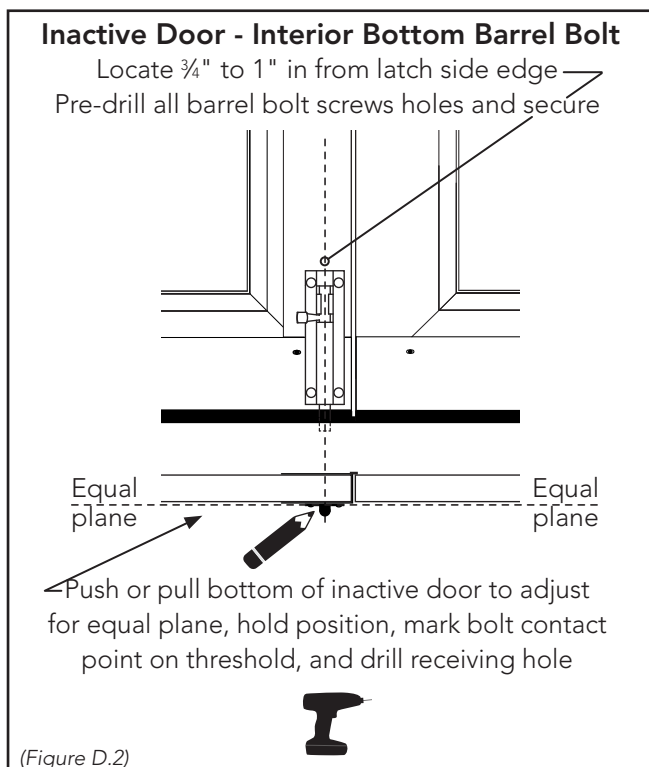
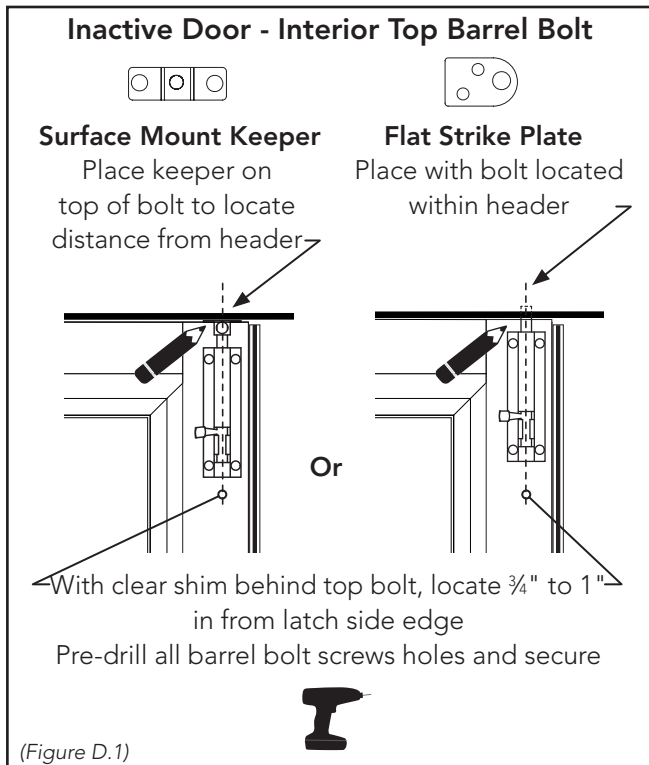
9

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 C.10)

10

On the interior side only, measure and mark astragal screw hole locations. Avoid placing screw locations in area of handle set to prevent interference with inactive handle set or strike plate. Drill (4) $\frac{3}{32}$ " pilot locations; top, bottom, and (2) evenly spaced above and below storm door handle set location. BE SURE top screw hole is located approximately 5" down from the top and bottom screw hole is approximately 5" up from the bottom to clear corner gussets and to allow for barrel bolt installation. (Figure C.10)

D. INACTIVE DOOR BARREL BOLTS



1

For the top barrel bolt, choose either the raised surface mounted keeper or flat strike plate. Option will effect barrel bolt mounting location.

2

From the interior with inactive door closed to ensure z-bar flange clearance, locate and install the top barrel bolt. Position bolt approximately $\frac{3}{4}$ " to 1" in from latch side edge. Engage and lock bolt to locate bolt position from the top. For raised surface mounted keeper, close inactive door and place keeper on top of bolt to locate distance from header. For flat strike plate, place with approximately $\frac{1}{4}$ " of bolt located with in header. Drill $\frac{3}{32}$ " pilot holes through each screw hole location. Place clear shim (included) behind barrel bolt and secure using screws provided. (Figure D.1)

3

With top barrel bolt secured, engage bolt to locate and mark contact point on header.

- **Raised surface mounted keeper:** Align keeper with mark. Drill $\frac{3}{32}$ " pilot holes for each keeper screw hole and secure using screws provided.

- **Flat strike plate:** At mark, drill a $\frac{5}{16}$ " dia. hole into the header. Align plate over hole. Drill $\frac{3}{32}$ " pilot holes for each plate screw hole and secure using screws provided.

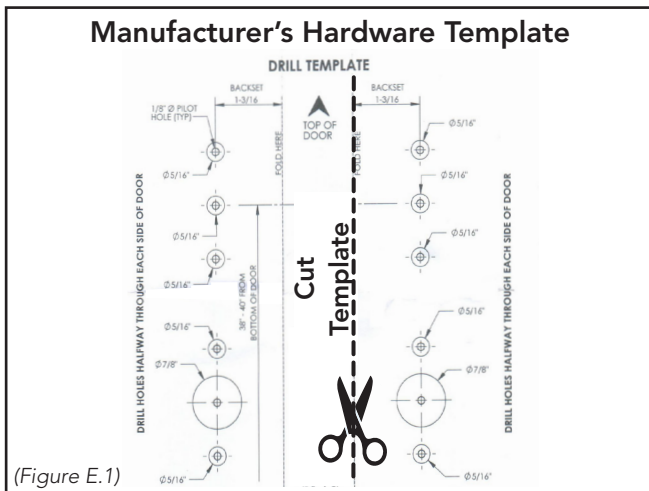
4

From the interior, locate and install the bottom barrel bolt. With inactive door closed, position bolt approximately $\frac{3}{4}$ " to 1" in from latch side, aligned with top barrel bolt. Drill $\frac{3}{32}$ " pilot holes through each screw hole location. Secure using screws provided. (Figure D.2)

5

Close inactive and active doors. Check door slabs for same plane, top to bottom. If needed, push or pull bottom of inactive door slab to adjust for equal plane. Hold position and engage bottom bolt to locate and mark contact point on threshold. To avoid tripping hazard, the flat strike plate is recommended for installation. Drill $\frac{5}{16}$ " threshold bolt receiving hole. Align flat strike plate over hole. Drill $\frac{3}{32}$ " pilot holes for each plate screw hole and secure using screws provided. (Figure D.2)

E. INSTALL HANDLE SET, CLOSER, SCREW COVERS, & PLUGS

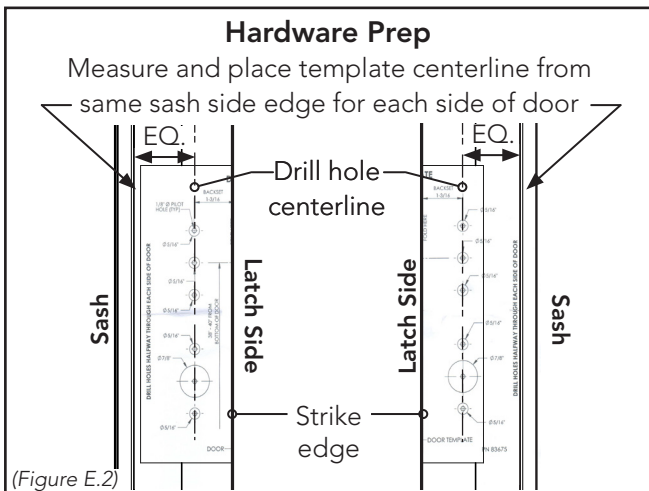


IMPORTANT! DO NOT USE a power tool to install handle set hardware. Doing so can cause damage and void warranty. **DO NOT OVER TIGHTEN SCREWS.**

1

For doors with surface mounted hardware:

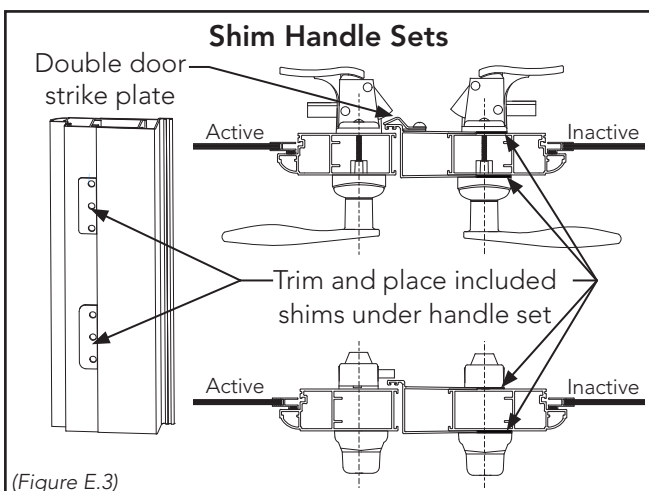
a. Use manufacturer's drill template provided in hardware box to locate and mark handle set holes. Fold and cut template on (1) of the dotted lines. **DO NOT wrap template as instructed**, template will not properly align when wrapped on the astragal. On determined active door side, position folded side of template along strike-side edge of door as directed. Tape in place. (Figure E.1)



b. Measure from a common edge on the sash side of the frame rail to the centerline of template drill holes. Use measurement and corresponding edge on the opposite side of door to locate template. Tape in place. (Figure E.2)

c. Drill all template holes as indicated. Remove each section of template and proceed with manufacturer's handle set installation instructions.

d. If applicable, repeat above steps for inactive door side. Handle set will be positioned over astragal edge. (2) flat black 1/4" x 8" trimmable shims are included to compensate for level difference. Trim and install under the interior and exterior handle set. (Fig E.3)

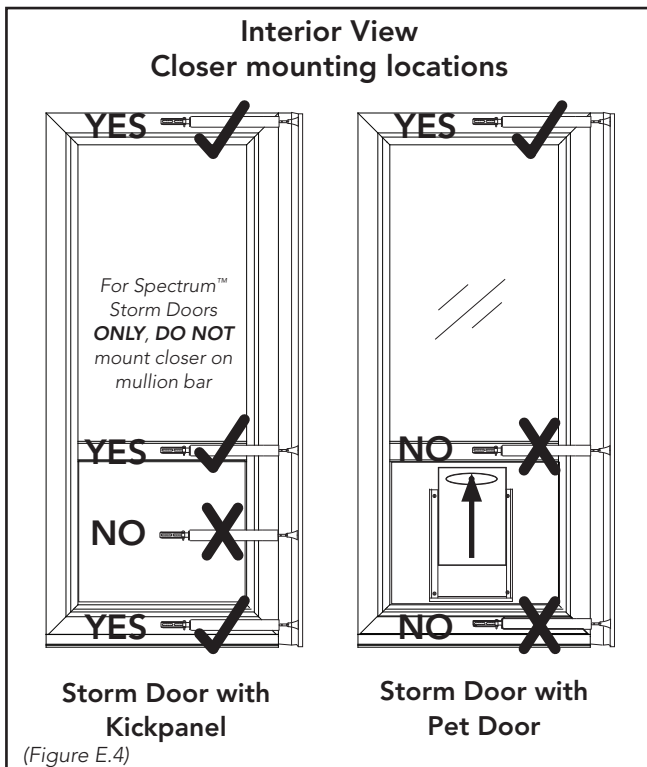


2

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 1/4" x 8" trimmable shims are included to compensate for level difference. Trim and install under the interior and exterior handle set. (Figure E.3)

E. INSTALL HANDLE SET, CLOSER, SCREW COVERS, & PLUGS

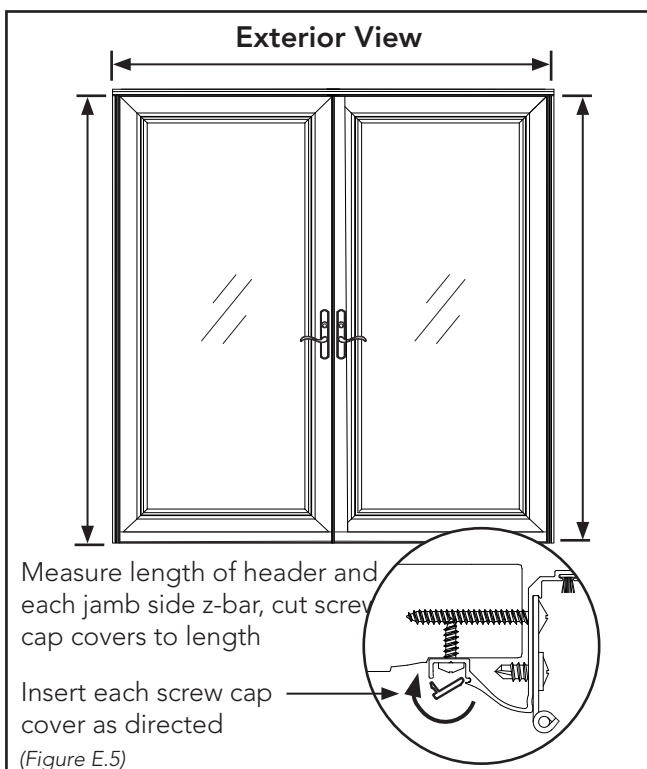


3

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 mullion bar (screen cover). 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 set on the 'Winter' setting for installation. (Figure E.4)

RECOMMENDATION: ProVia® strongly recommends the installation of the closer storm chain as instructed on the back of the manufacturer's closer installation instruction.

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



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 E.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	<ol style="list-style-type: none"> Header weatherstrip flange needs aligned. Air pressure between primary door and storm door (air is trapped). Closer speed needs adjusted. Hinge bind due to z-bar installed improperly. 	<ol style="list-style-type: none"> Refer to Step 8 in Section B. Tap header z-bar until weatherstrip flange is aligned with jamb weatherstrip flange. Slightly raise bottom expander until sweep(s) just touch the threshold. Refer to closer instruction for adjustments. Loosen installation screws to properly position z-bar to avoid binding.
Hinge-side of door(s) is binding	<ol style="list-style-type: none"> Face screws are too tight. Opening or the z-bars are out of square. Bottom expander is dragging. Piano hinge is not plumb with jamb. Header weatherstrip flange needs aligned. 	<ol style="list-style-type: none"> Back off face screws ¼ of a turn. Loosen screws and re-adjust position of z-bars. Shims may be needed behind z-bars. Slightly raise bottom expander until sweep(s) just touch the threshold. Place a putty knife between hinge and jamb. Slightly turn knife towards door slab to remove any bind in piano hinge. Refer to Step 8 in Section B. Tap header z-bar until weatherstrip flange is aligned with jamb weatherstrip flange.
Storm door is squeaking	<ol style="list-style-type: none"> Hinge-side jamb screws are too tight. New hinge is tight. Hinge-side z-bar is not straight causing undue pressure on hinges. 	<ol style="list-style-type: none"> Back off screws ¼ of a turn. Spray hinge with a silicone lubricant. Loosen screws and re-adjust position of z-bars to achieve equal and straight margins.
Header z-bar top margin is wider in center	<ol style="list-style-type: none"> Hinge drop. Brickmold or trim is not properly secured to structure. 	<ol style="list-style-type: none"> Remove screw cover, loosen header z-bar screws, and re-adjust position for equal and straight margin. 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	<ol style="list-style-type: none"> Hinge drop. Brickmold or trim is not properly secured to structure. Astragal placement. 	<ol style="list-style-type: none"> Remove screw cover, loosen jamb side z-bar screws, and re-adjust position for equal and straight margin. Hinge must be able to support weight of door. Refer to Section B. Properly secure to structure as required. Z-bars may need to be removed in order to secure trim. Adjust top of astragal away from active door slab.



TROUBLESHOOTING & TIPS

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

**For additional information and helpful videos, visit our Homepage for Installers by TAPPING or SCANNING the QR code shown.*



**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**

