PanoLock® Astragal
Prehanger Installation Instructions

Tools Required:
- Flathead Screwdriver
- Shears
- Phillips Screwdriver
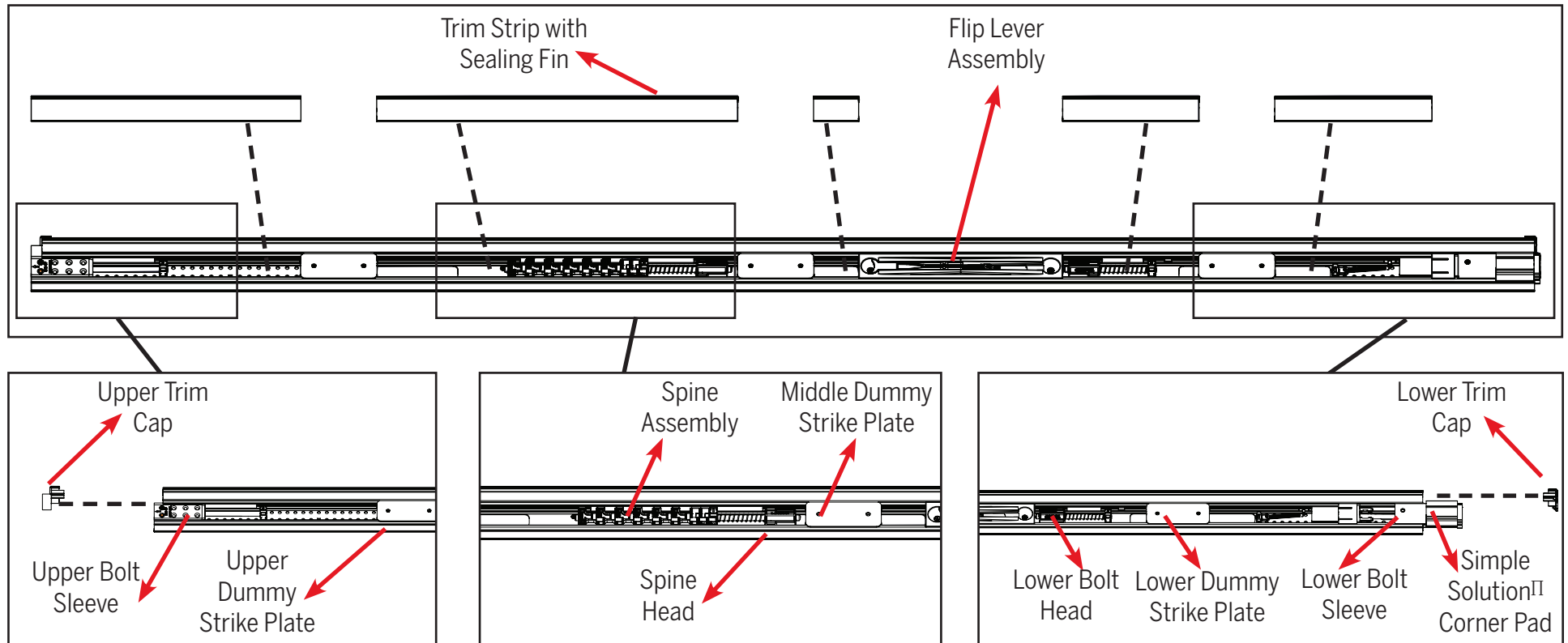- Power Drill with 1" Drill Bit
- Tape Measure
- 1" Spade Bit

Kit Includes:
- Full Astragal
- Full Length Trim Strip
- Screw Pack
- Field Pack

Screw Pack Includes:
- (6) #8 x 1" Screws
- (2) #8 x 1-5/8" Screws

Product Reference Guide

Trim Strip with Sealing Fin

Flip Lever Assembly

Upper Trim Cap

Upper Bolt Sleeve

Upper Dummy Strike Plate

Spine Assembly

Middle Dummy Strike Plate

Spine Head

Lower Trim Cap

Lower Bolt Head

Lower Dummy Strike Plate

Lower Bolt Sleeve

Simple Solution™ Corner Pad
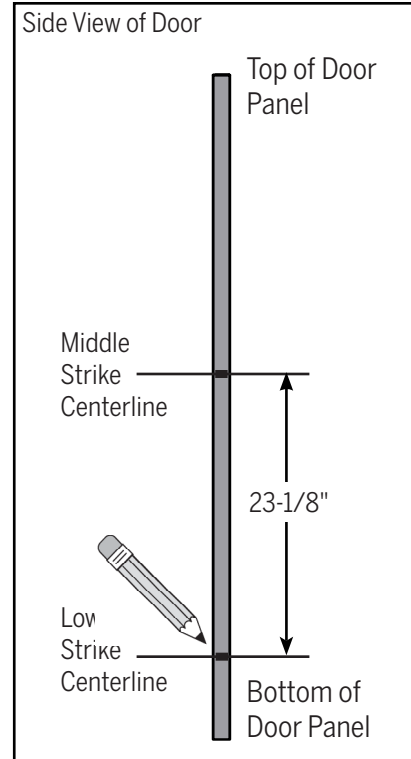
PART A: ROUT INACTIVE DOOR PANEL FOR STRIKE PLATES

STEP 1: DETERMINE AND MARK CENTERLINES FOR STRIKE PLATES
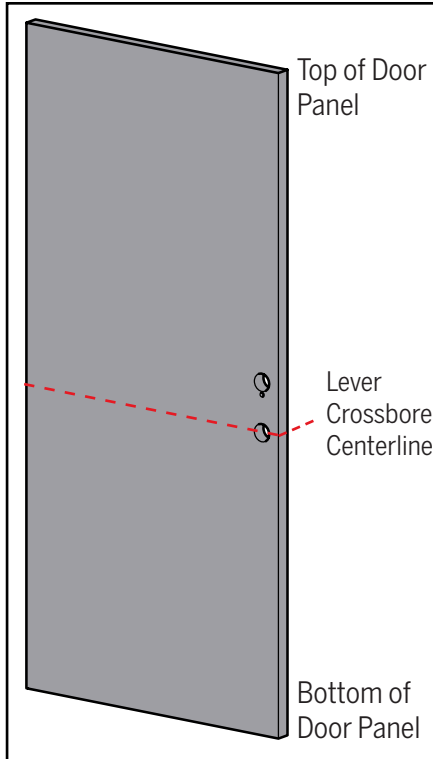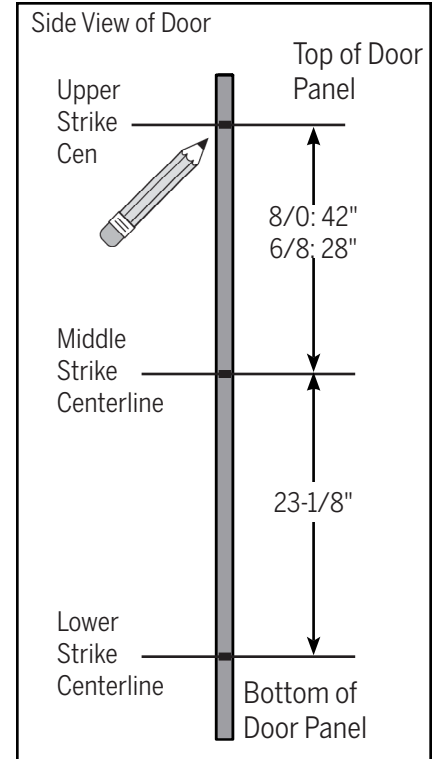
a. Determine the inactive door panel's lever crossbore centerline and mark.
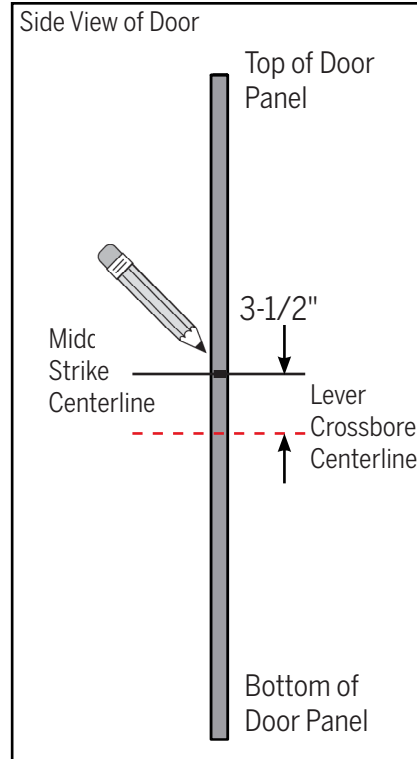
b. To determine the middle strike plate centerline, measure 3-1/2" up from the lever crossbore centerline towards the top of the panel and mark.

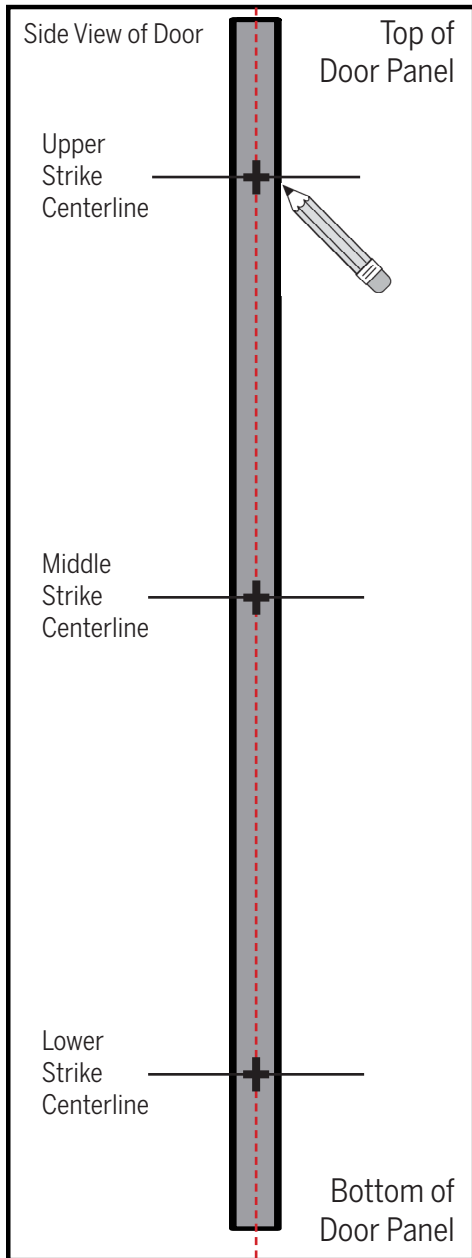c. To determine the lower strike plate centerline, measure down 23-1/8" from the middle strike centerline toward the bottom of the door and mark.

d. To determine the upper strike plate centerline, measure from the middle strike centerline up 28" for 6/8 doors or 42" for 8/0 doors and mark.

Side View of Door — Top of Door Panel

Upper Strike Centerline

Middle Strike Centerline

Lower Strike Centerline

Bottom of Door Panel

Side View of Door — Top of Door Panel

Upper Strike Centerline

Middle Strike Centerline

Lower Strike Centerline

Bottom of Door Panel

e. Determine the center point on the upper, middle and lower strike centerlines and mark the locations.
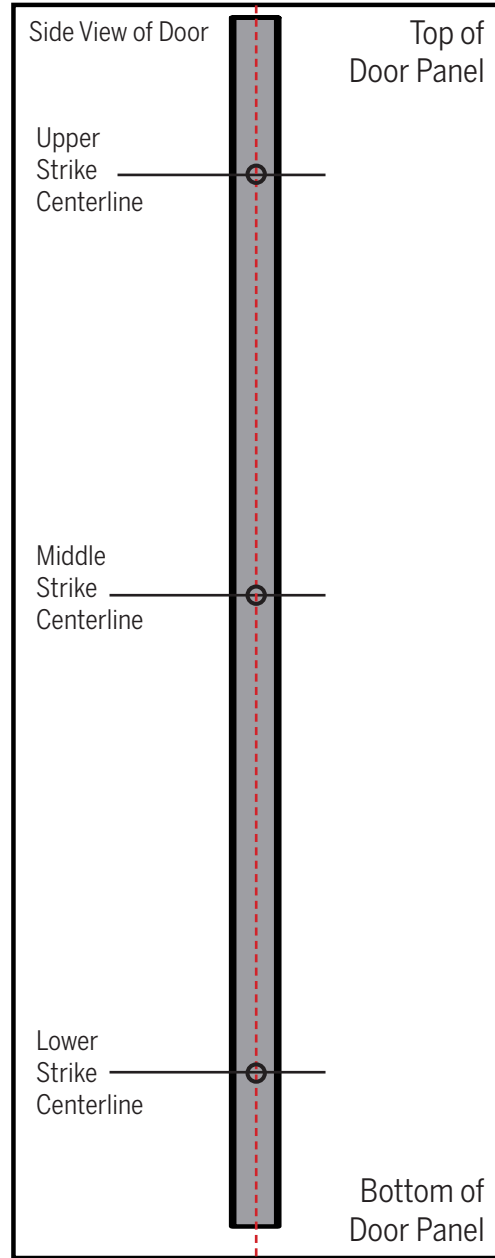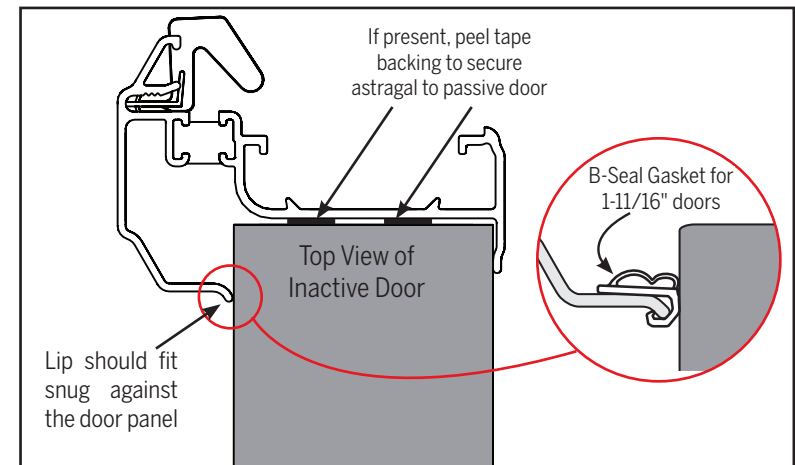
f. Using a 1" spade bit, drill a 1/2" deep hole at each center point. Clear debris from the holes.
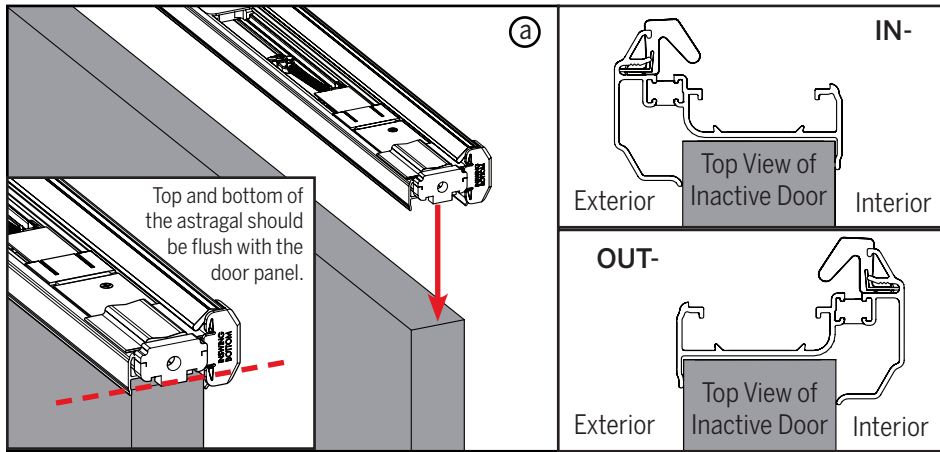
PART B: INSTALL ASTRAGAL ONTO INACTIVE DOOR PANEL

BEFORE YOU BEGIN:

- Ensure that you have the correct length and handing of astragal for your door.
- Remove the trim strip and screw pack from the astragal body and set aside.
- If tape is present on the back of the astragal, peel off the backing.
- Confirm the thickness of your door panel. For door panels with thicknesses of **1-11/16"**, apply the available B-seal gasket to accommodate the gap between the panel face and astragal.

If present, peel tape backing to secure astragal to passive door

B-Seal Gasket for 1-11/16" doors

Top View of Inactive Door

Lip should fit snug against the door panel

STEP 3: PLACE ASTRAGAL ON DOOR PANEL

Top and bottom of the astragal should be flush with the door panel.

IN-

Exterior | Top View of Inactive Door | Interior

**OUT-**

Exterior | Top View of Inactive Door | Interior

a. Place the astragal onto the door panel. For **Inswing** doors, the wide side of astragal goes on outside of the door. For **Outswing** doors, the wide side of astragal goes on inside of the door. The top and bottom of the astragal should be flush with the top and bottom of the door panel.
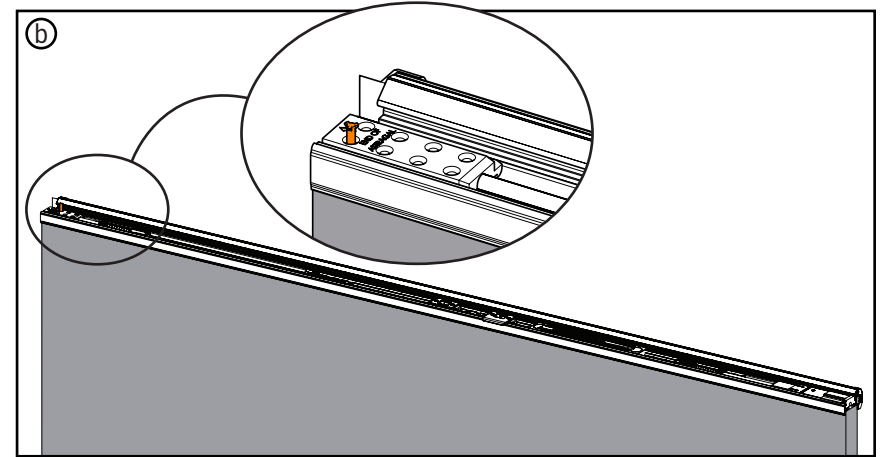
b. Press the astragal down along the length of the panel. An orange securing pin will pop up in the upper bolt sleeve. **Do not remove the pin at this time.** ⚠ **If present, ensure the backing of the tape is removed before pressing down.**
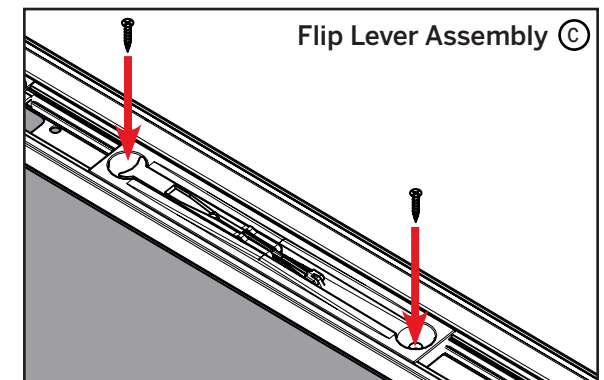
STEP 4: SECURE ASTRAGAL TO DOOR PANEL

Please refer to the Product Reference Guide on Page 1 to identify the different components within the astragal.

For Step 4, only tighten screws until flush with mating surfaces. **Do not overtighten the screws.**

Upper Bolt Sleeve Shown

Upper Bolt Sleeve Shown

Flip Lever Assembly
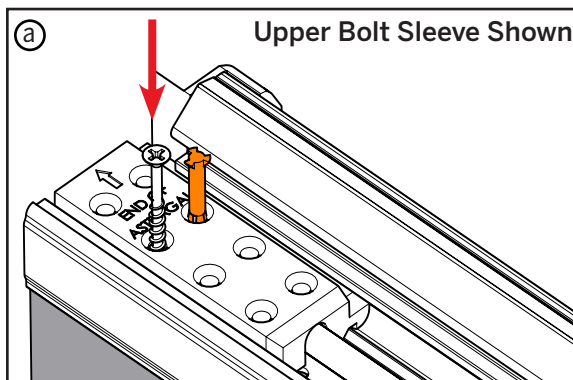
a. Keeping the orange securing pin in place on the upper bolt sleeve, install a #8 x 1-5/8" screw in the hole adjacent to the orange securing pin.
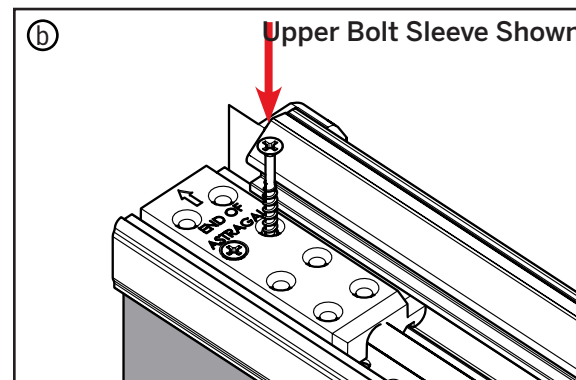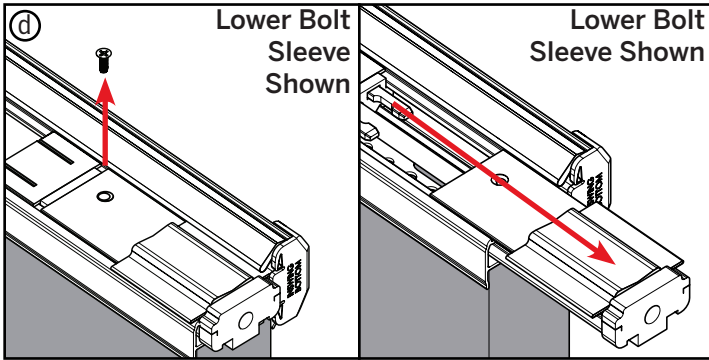
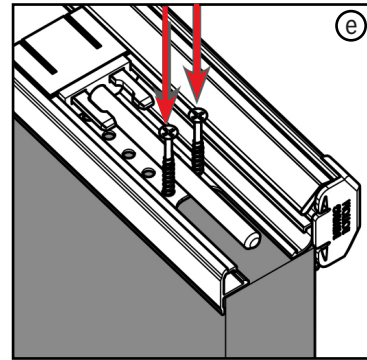**b**. Remove the orange securing pin from the upper bolt sleeve and replace it with a #8 x 1-5/8" screw.

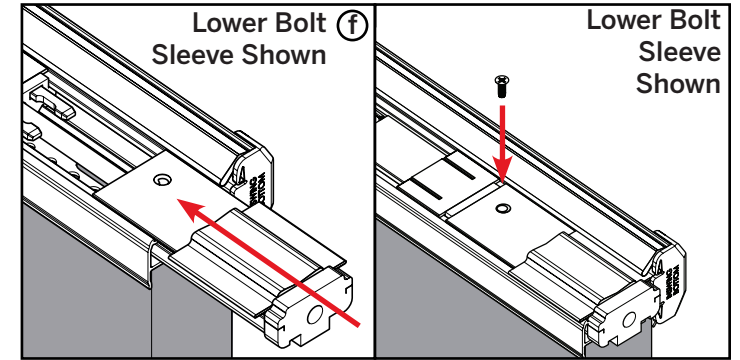**c**. Install two #8 x 1" screws to secure the flip lever assembly into the door panel.
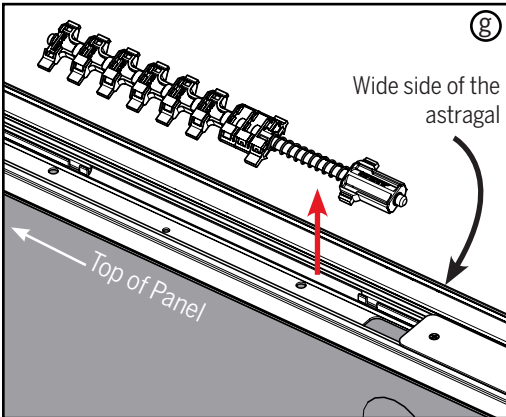
d. Remove the screw securing the lower bolt sleeve and slide the bolt sleeve out.
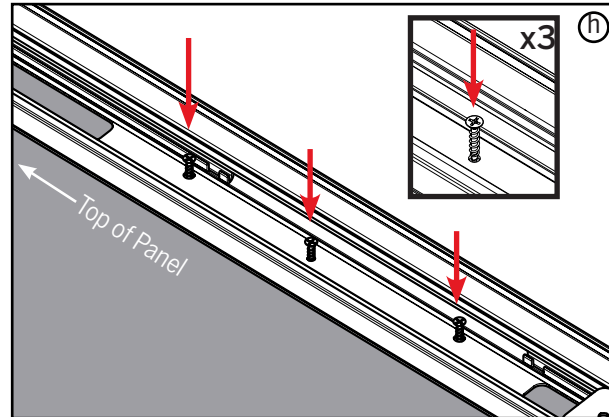

e. Install two #8 x 1" screws on either side of the bolt pin above the U-shapped cutout in the astragal body.
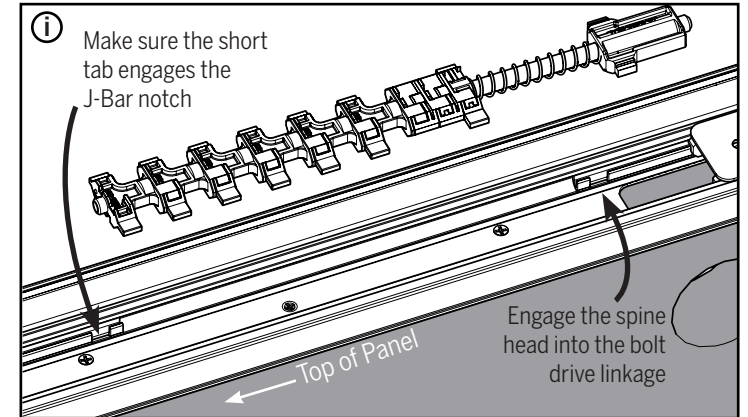

f. Return the bolt sleeve onto the lower bolt and reinstall the screw securing the bolt sleeve.


g. Remove the spine assembly and set aside to reveal screw holes in the body of the astragal. Remove by lifting from the wide side of the astragal first.
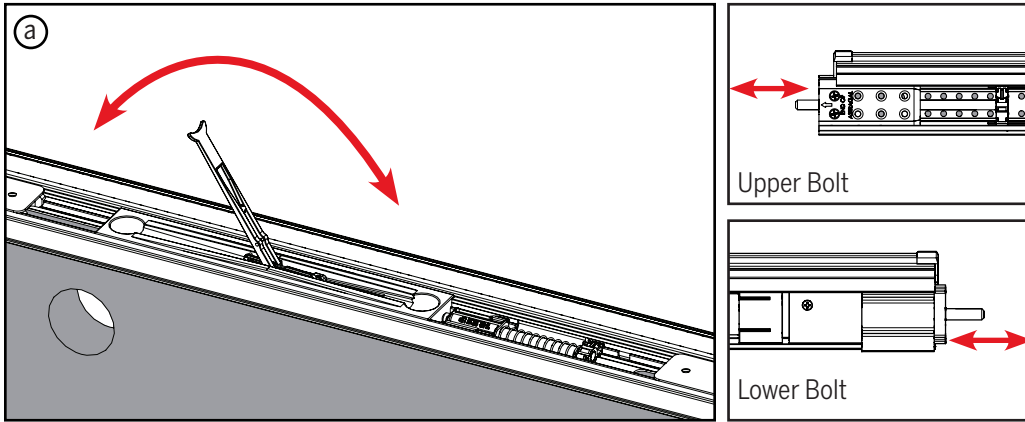

h. Install three #8 x 1" screws into the astragal body to secure the astragal to the door panel.

Make sure the short tab engages the J-Bar notch

Engage the spine head into the bolt drive linkage

i. Return the spine assembly into the astragal, ensuring correct orientation as shown in image below.

Wide side of astragal body

THIS SIDE

Long tabs must align on the opposite side of the wide side of the astragal body.
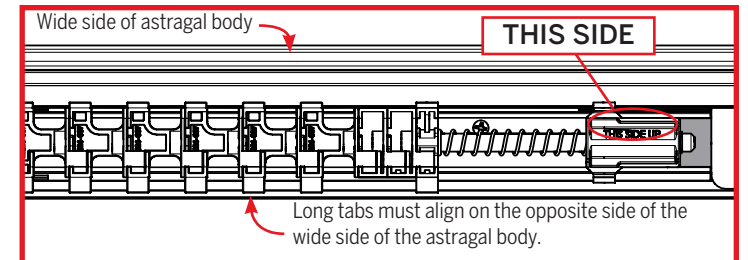
STEP 5: CONFIRM FLIP LEVER OPERATION

(a)

Upper Bolt

Lower Bolt

**a.** Engage the flip lever and ensure both the upper and lower bolts move in and out smoothly.

b. If the bolts **do not** operate smoothly:
- Check for bolt obstructions.
- Check that the screws in the astragal are not overtightened in the astragal body. The top of the screw should be flush with the astragal body.
- If the lever operation is difficult, slightly loosen the screws securing the flip lever assembly.

STEP 6: SIZE AND INSTALL TRIM STRIP

Trim strip is included as a single, full-length piece and must be sized to fit appropriately between the astragal components. For each segment, measure, cut and install the trim strip, ensuring the sealing fin side of the trim strip is installed on the side closest to the weatherstrip on the astragal.

Before measuring the length between astragal components, check the following:

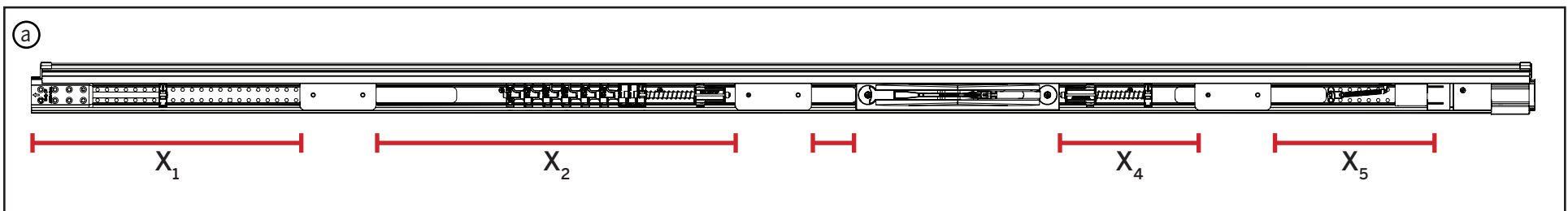x3

Lower Strike Centerline

x3
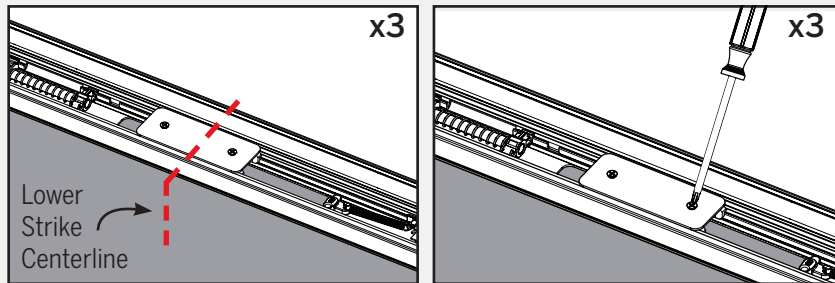
Adjust the location of the strike plates based on the three strike centerlines marked in Part A (Page 2). Tighten the screws to secure them into place.
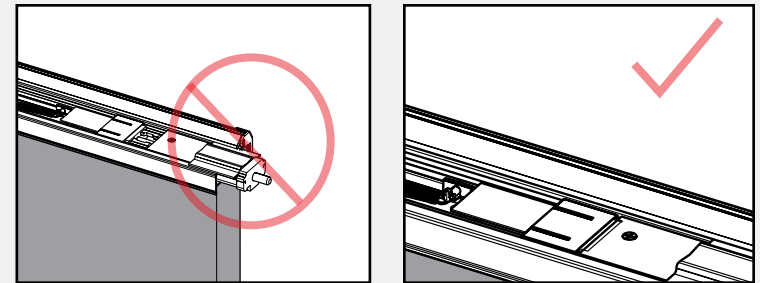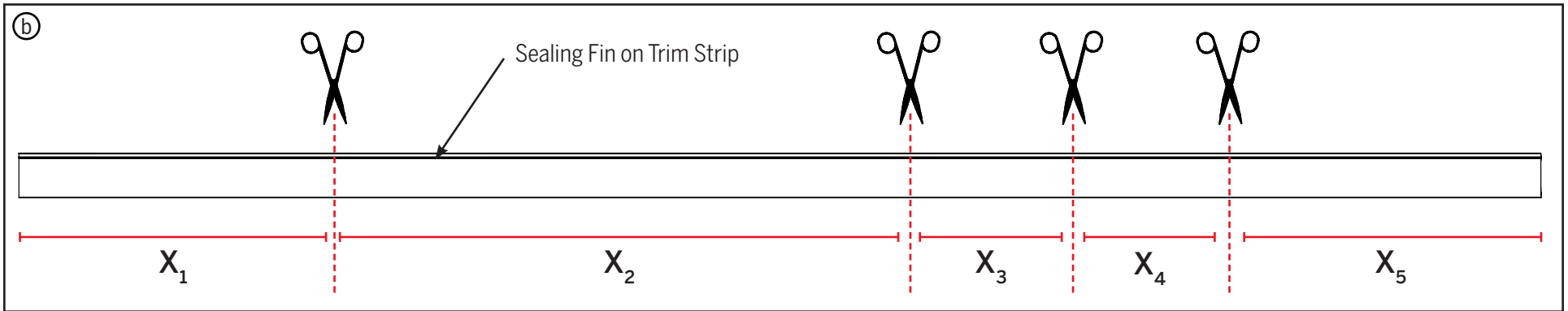

Ensure the upper and lower bolts are in the retracted position.

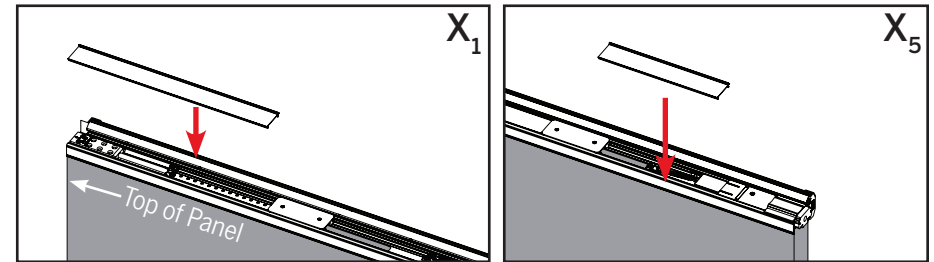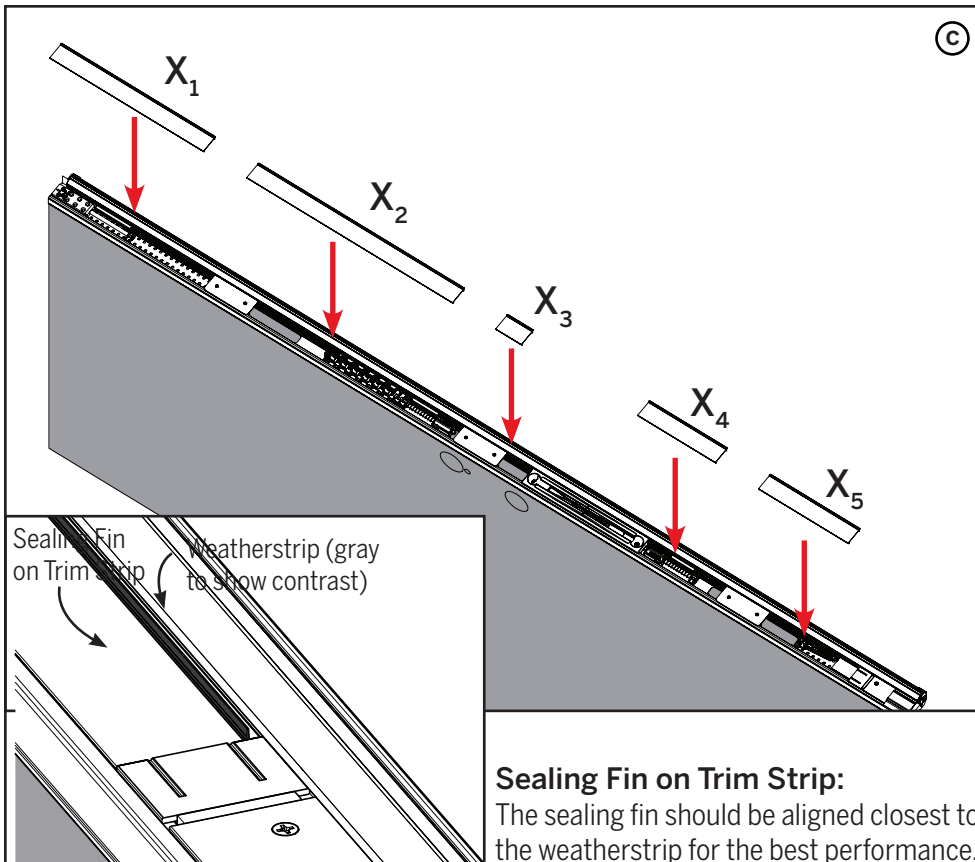**a.** Measure the length between the astragal components.

(a)

X_1 X_2 X_4 X_5

STEP 6 (CONT.): SIZE AND INSTALL TRIM STRIP

b. Cut the trim strip into appropriate sizes.

ⓑ

Sealing Fin on Trim Strip

X_1 X_2 X_3 X_4 X_5

c. Install trim strip into astragal body.

ⓒ

X_1

X_2

X_3

X_4

X_5

Sealing Fin on Trim Strip

Weatherstrip (gray to show contrast)

Sealing Fin on Trim Strip:
The sealing fin should be aligned closest to the weatherstrip for the best performance.

X_1

Top of Panel

X_5

Upper Trim Strip: Install the X_1 trim strip to be flush between the top of the astragal and the upper strike plate.

Lower Trim Strip: Install the X_5 to be flush between the bottom of the lower strike plate and the top of the lower bolt.

X_2

X_3 & X_4
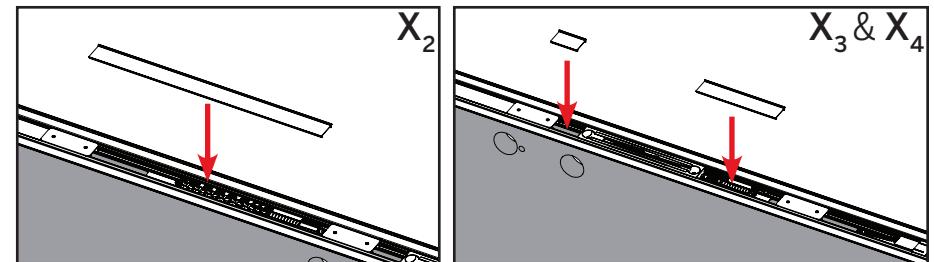
Middle Trim Strips: Install the X_2 trim strip to be flush between the bottom of the upper strike plate and the top of the middle strike plate. Install the X_3 trim strip to be flush between the bottom of the middle strike plate and the top of the flip lever assembly. Install the X_4 trim strip to be flush with the bottom of the flip lever assembly and the top of the lower strike plate.

STEP 7: INSTALL OPTIONAL SECURITY FLANGE (OUTSWING ONLY)

OUTSWING DOORS ONLY

Active Door Panel

ⓐ

Inside   Outside

Top View
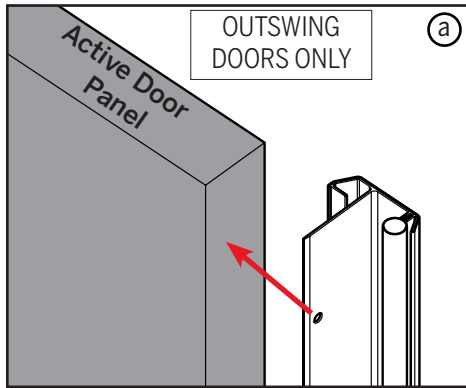
a. Position the security flange on the active door panel with the wide flange facing the outside of the house. Peel the tape backing and secure against the active panel.

Active Door Panel

ⓑ
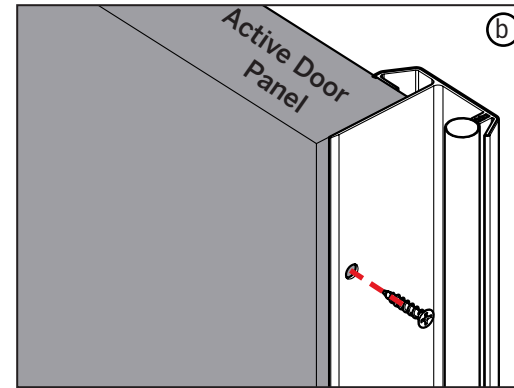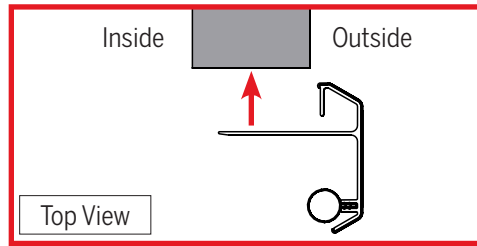
b. Insert the screws through the predrilled holes to secure the flange snug against the face of the active door.