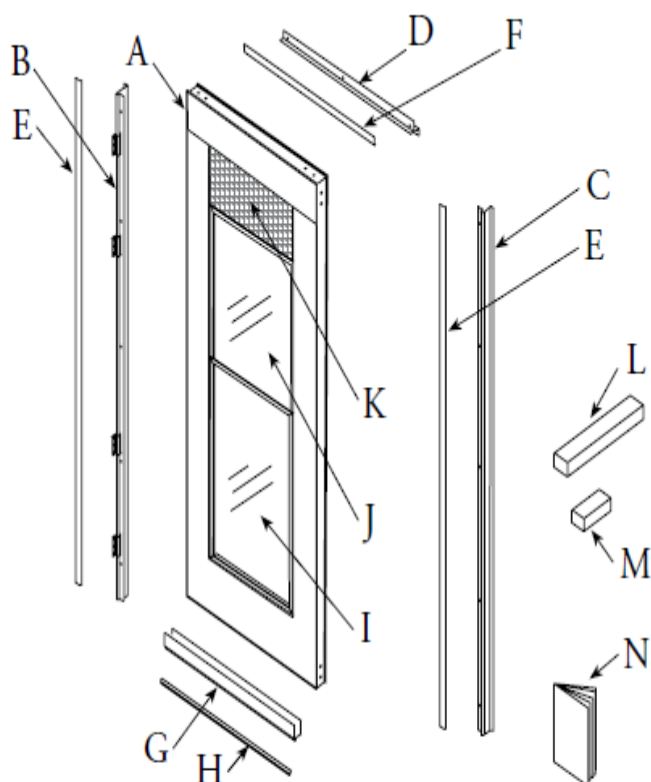




Pella® Storm Door Installation Instructions Clad Frame Application Traditional Installation Alternative

Installation instructions for Pella® Storm Door on a Clad Frame Pella® or Architect Series® Entry Door

Storm Door Components



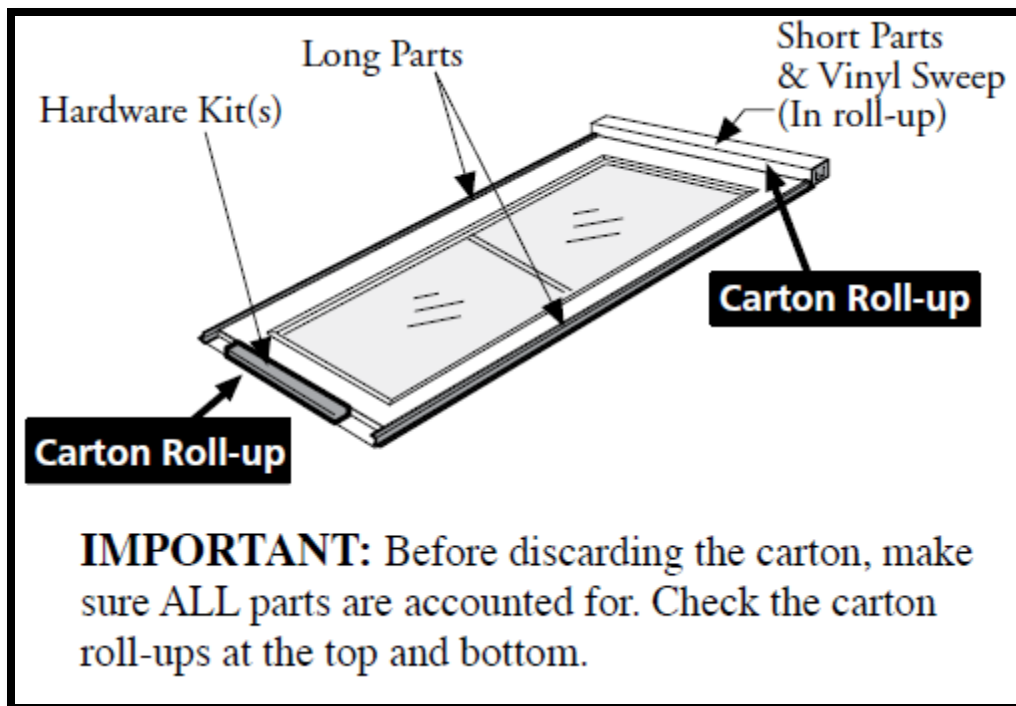
- | | |
|---------------------------|---|
| A. Door Panel | I. Glass Panel Bottom |
| B. Hinge Mounting Frame | J. Glass Panel Top |
| C. Latch Mounting Frame | K. Rolscreen |
| D. Top Mounting Frame | L. Hardware Kit - Closers and installation screws |
| E. Vertical Screw Cover | M. Handle Kit |
| F. Horizontal Screw Cover | N. Installation Guide |
| G. Bottom Expander | |
| H. Sweep (Black Vinyl) | |

Tools Required

- | | |
|-----------------------------|---|
| • Pencil | • Hammer |
| • Tape measure | • Hack saw |
| • Utility knife or scissors | • Drill |
| • Centerpunch | • 3/32" drill bit |
| • Phillips Screwdriver | • 1/8" drill bit |
| • Flat Blade Screwdriver | • 3/8" drill bit (hardware) |
| • Pliers | • Sawhorses (Optional) |
| | • 1/16" to 3/16" shims (not included) (as required) |
| | • Power Screwdriver (Optional) |

Additional Materials Needed for Installation on Pella Clad Entry Door (not included)

- (12) - 1/16" shims (Length – Minimum 1"/Width – Max 1")
- (6) - #8x3/4" Screws
- Adhesive substance (i.e. glue stick)

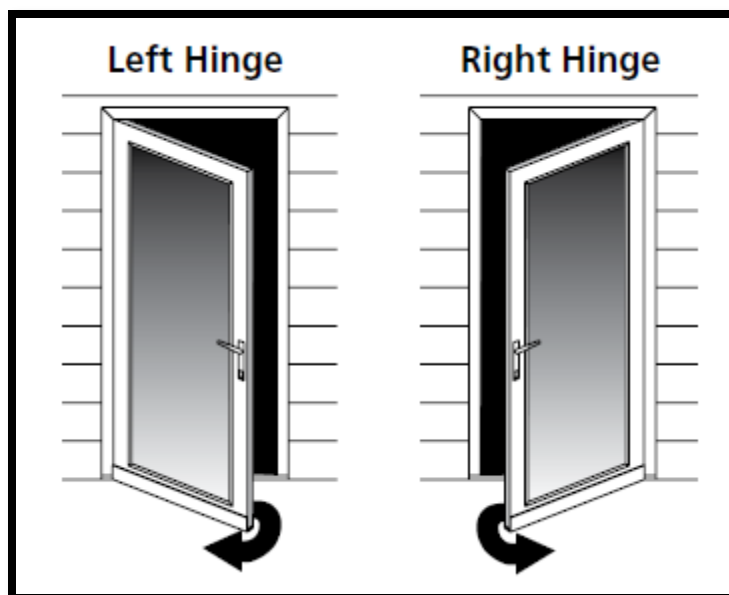


Installation will require two or more persons for safety reasons. Remember to use appropriate personal protective equipment.

1 Hinging

Before you begin, determine the side you want your door to hinge (left or right)

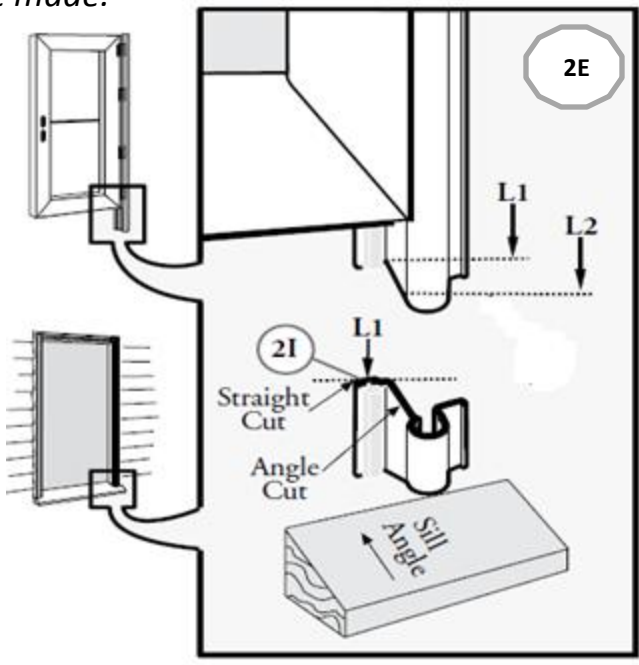
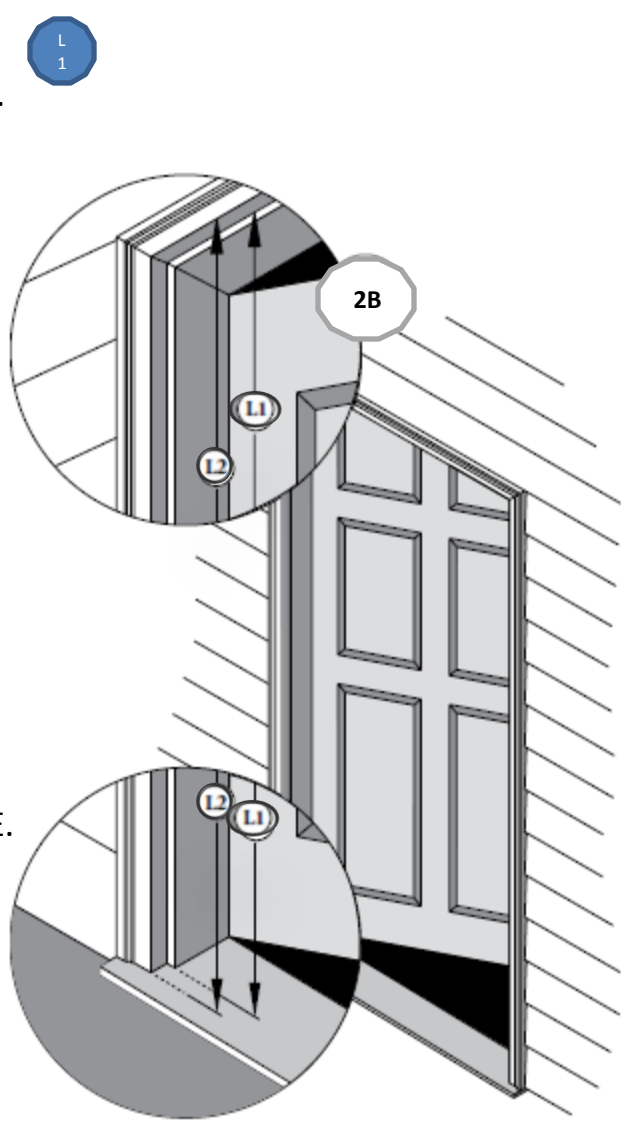
NOTE: When making this determination, make sure the handle on the storm door will not interfere with the handle on the primary door. If the primary door hardware is at the same height, it may interfere and we recommend you hinge the storm door on the opposite side.



****The following images are shown with left hinge orientation***

2 HINGE MOUNTING FRAME

- A** **Determine** the finished length of the mounting frame.
- B** **Facing** the house from the outside, measure the height of the opening as illustrated in 2B. This measurement is taken from the top of the door opening down to the bottom threshold.
- C** **Take** two measurements (L1 and L2) as shown and deduct 1/8" from each to determine the threshold angle to cut the mounting frame.
- D** **Starting** at the top of the hinge mounting frame and working toward the bottom, measure and mark the lengths taken from the previous step.
- E** **Matching** the angle of your entryway sill, cut the bottom of the hinge mounting frame to length. See 2E.
**For a simplified installation, a straight cut at L1 may be made.*



**Door is shown attached to hinge mounting frame for illustrative purposes. Door should not be attached when you cut the frame.*

2 HINGE MOUNTING FRAME - CONTINUED

F

Adhere 1/16" shims to hinge side mounting frame. Shims should be applied directly over pre-drilled holes on the interior side of the hinge mounting frame. Align shims with edge of hinge mounting frame.

G

Press the hinge mounting frame against the hinge side of the clad entry door frame. Rest the mounting frame on the sill of the entry door.

H

Clamp or hold hinge mounting frame to clad frame to hold frame steady. Be careful not to clamp too tightly and damage the frame.
** To create a flat surface for the clamp, place shim between clamp and frame.*

I

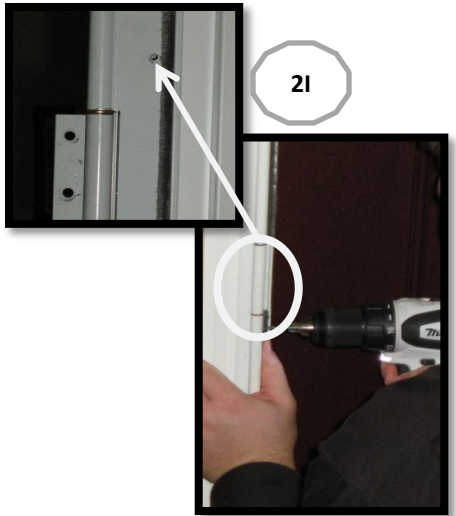
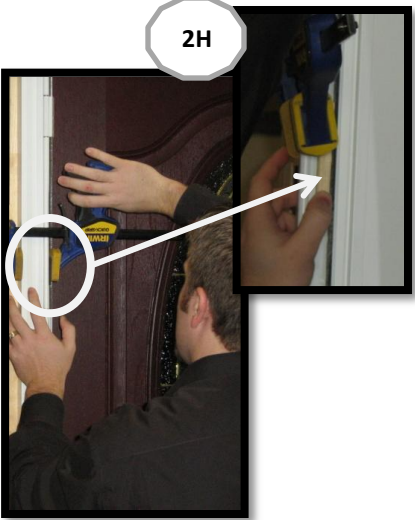
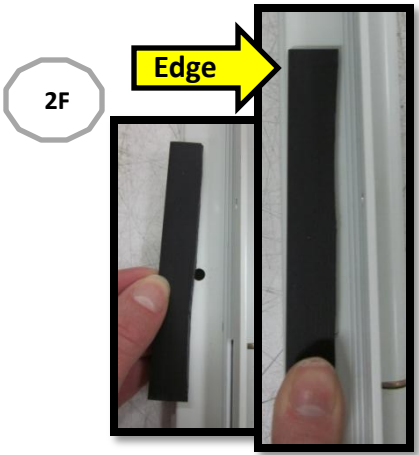
Hold frame steady and pre-drill all hinge side hole locations into the jamb with a 3/32" drill bit.

J

Continue holding frame steady and pre-drill all holes on face side of hinge mounting frame.
**If your entry door has clad brickmould, some brickmould will be visible through the holes. Drill through the holes.*
**By drilling pilot holes first, you are ensuring the storm door will be placed in the appropriate location.*

K

Remove hinge mounting frame to attach to door.



2 HINGE MOUNTING FRAME - CONTINUED

L **With** the interior of the door facing up, position the hinge mounting frame on the door panel.

**Notice the location of the weatherstripping.*

**If applicable, you may remove glass or screen from storm door for easier handling.*

M **Align** the pre-drilled alignment mark with the outer hinge hole and install one hinge screw (#8 x 3/4" hex head).

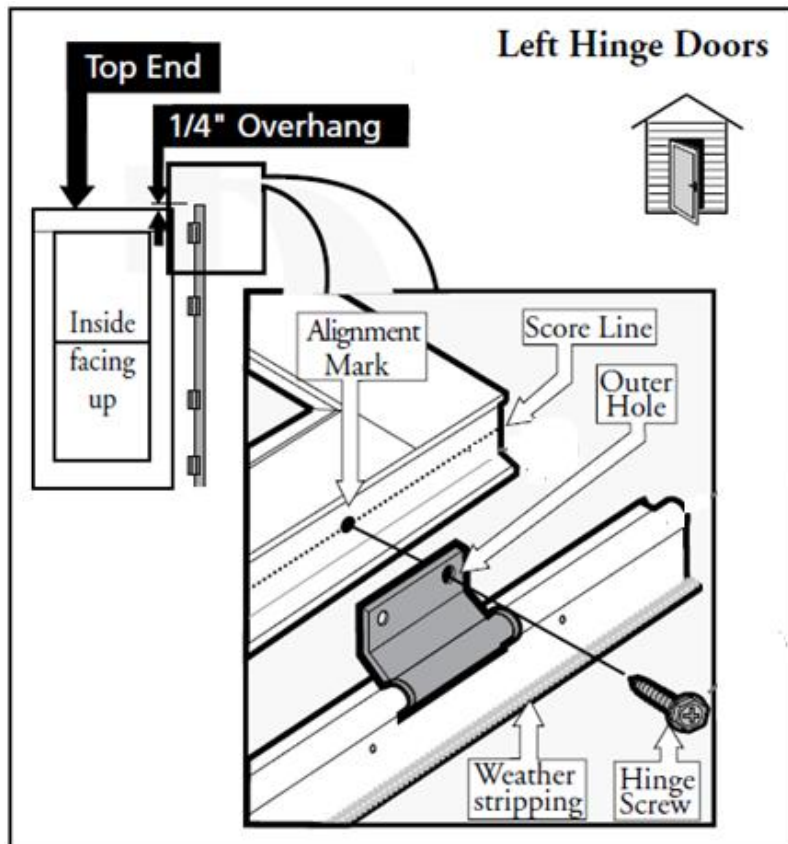
Check to ensure there is a 3/16"-1/4" overhang from the highest point of the top of the door.

** If the hinge side mounting frame extends more than or less than 3/16"-1/4" above the top of the door panel, remove the hinge screw. Position the hinge side mounting frame to achieve the correct overhang, and centerpunch and drill a new 1/8" diameter hole through one of the other hinge holes.*

Install the (#8 x 3/4" hex head) hinge screw in the new hole.

O **Align** the hinge holes with the score line.

P **Drill** the remaining hinge holes using an 1/8" bit and install.



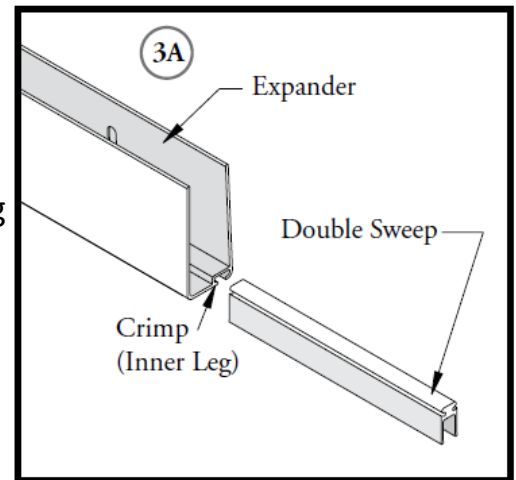
3 INSTALL EXPANDER SWEEPS

A Remove the expander from the door.

B Install the sweep by threading it into the channel of the expander. While bending the sweep out of the way, crimp both ends of the expander channel with pliers to hold the sweep locked in position. For best results crimp the inner leg of the channel only. Cut off any excess sweep material.

C Install the expander.

D Install expander on the bottom of the door so the holes are located on the inside of the door. Do not fasten expander to the door at this time.



4 INSTALL THE DOOR

Note: The illustrations show the installation of a left hinge door. Right hinge doors are installed with the hinges to the right side of the entryway opening when viewed from the exterior.

A Set the door in the entryway opening resting the hinge side mounting frame on the sill. Slide the hinge frame (with attached shims) tight against the entry door jamb. The holes in the mounting frame should align with the pilot holes drilled in steps 2I and 2J.

B Loosely install three face screws to hold the unit in place, using the pilot holes. **Do not fully seat the face screws.**

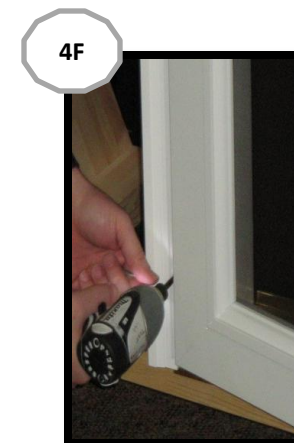
C Open Door.

D Drive the hinge screws through the pre-drilled holes on the hinge side.

E Close Door.

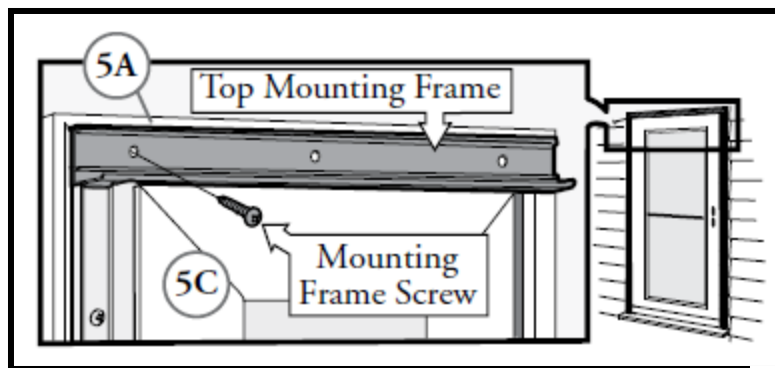
F Tighten face screws from step 4B and install remaining face screws.

*Do not over tighten face screws.



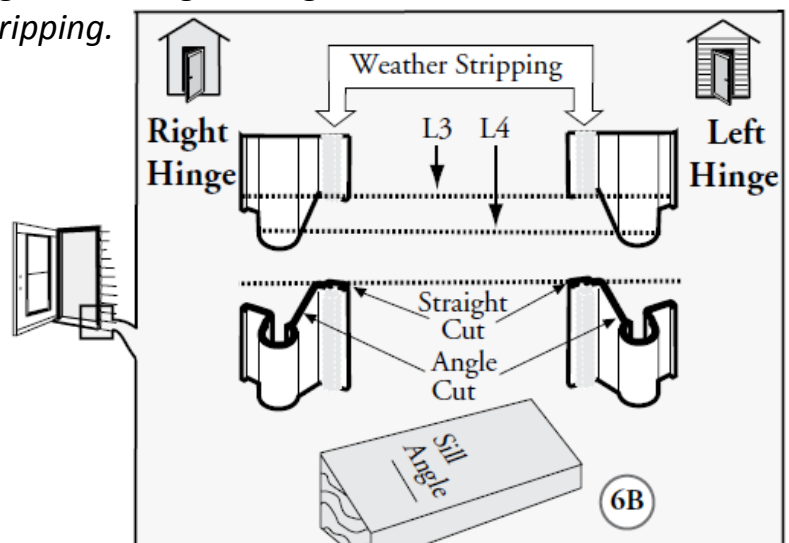
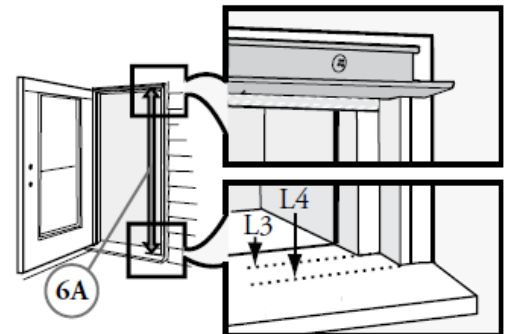
5 TOP MOUNTING FRAME

- A** **With** the door open, position the top mounting frame so it rests on the hinge mounting frame.
 - B** **Close** the door and align the end of the top mounting frame with the outer edge of the hinge mounting frame. Position to achieve a uniform gap between the top mounting frame and the door.
 - C** **Drill** a 3/32" diameter hole through each pre-drilled hole of the top mounting frame. Secure the top mounting frame with the mounting frame screws (#6 x 1" Phillips pan head).
- *Drill and install the hinge side screw first.*



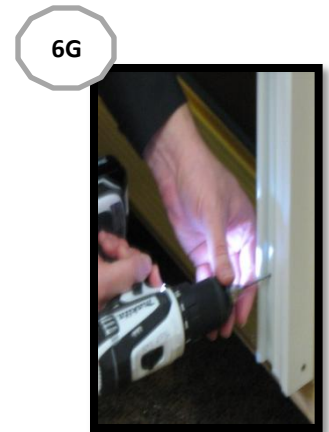
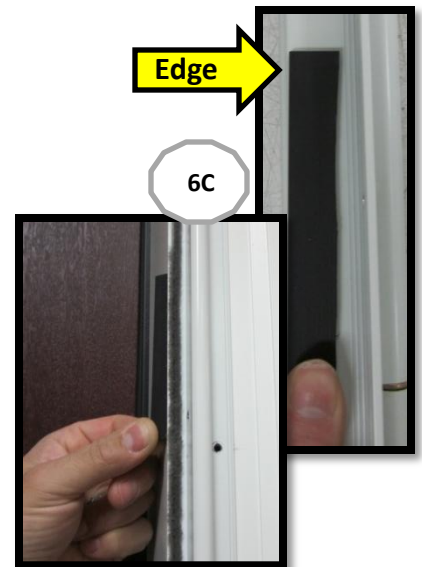
6 LATCH MOUNTING FRAME

- A** **Measure** the latch side height from the underside of the top mounting frame to the sill (see L3 and L4) and deduct 1/8" from each.
- *Measure entryway with brickmould at the point where the brickmould attaches to the entry door frame.*
- B** **Starting** at the top of the latch mounting frame, mark off your measurement (see 6A) and cut to length matching the angle of the sill.
- *Notice the position of the weatherstripping.*
**Copy the cuts made in step 2E.*



6 LATCH MOUNTING FRAME - CONTINUED

- C** **Adhere** 1/16" shims to inside of latch mounting frame one inch above mounting holes on adjacent side.
*See image on right.
- D** **Position** the latch mounting frame in the entryway opening. Line up the exterior end of the latch side mounting frame with the end of the top mounting frame.
- E** **At each** location where shims were placed, pre-drill holes through mounting frame, shims and clad entry door frame.
When pre-drilling holes, position hole location ¼" from the pile weatherstrip.
*This is the same distance the screws were placed on the hinge mounting frame.
- F** **Install** screws through new pilot holes (#8 x 3/4).
*Make sure your marks are still aligned on the face side.
- G** **Beginning** at the top hole, drill a 3/32" diameter hole through the pre-drilled hole of the face side of latch mounting frame. Be sure the edge of door panel and the mounting frame are aligned from top to bottom. Install a mounting frame screw (#6 x 1" Phillips pan head) in each hole.



7 BOTTOM EXPANDER ADJUSTMENT

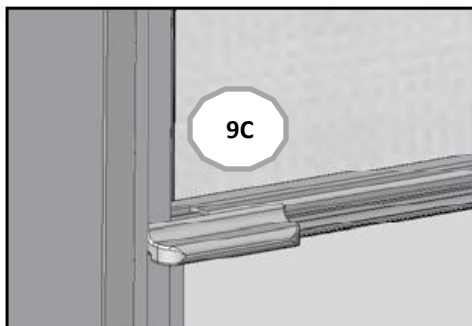
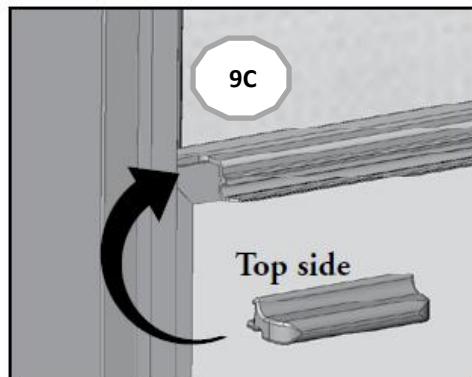
- A** **Close** the door and adjust the bottom expander so that the vinyl sweeps touch the door threshold. The slotted holes in the expander should be located on the inside of the door.
- B** **From the interior**, drill a 3/32" hole in the center of each slot of the bottom expander. Drill through the bottom expander and interior surface of the door.
- C** **Install** a bottom expander screw (#6 x 3/8" Phillips pan head) in each end.
*Use a hand screwdriver to secure the expander. DO NOT use a power screwdriver.

8 DOOR HARDWARE

- A** **To install** the handle assembly, refer to the separate instruction sheet included in the handle hardware box.
*For mortise hardware you may need to reverse latch assembly. See Hardware instructions.

9 INSTALL WINDOW HANDLE (On Applicable Models)

A Install spring into bottom of handle.

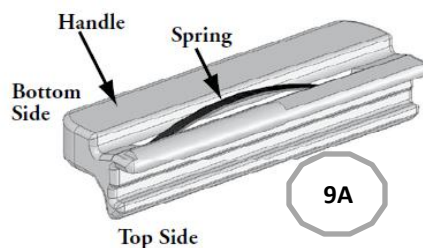
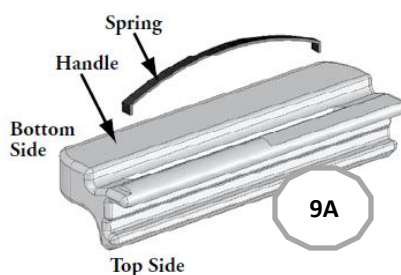


D Center handle on window rail.

E Slide the handle past the first (left) notch. There will be some resistance. THEN STOP! (Figure 9E)

*The handle should not go past the second (right) notch (Figure 9E).

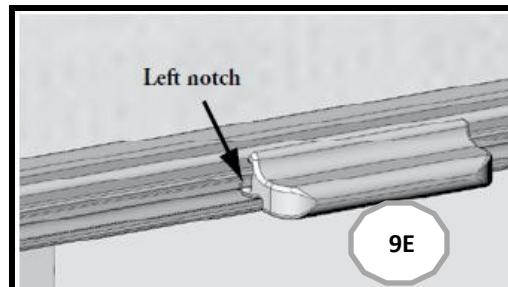
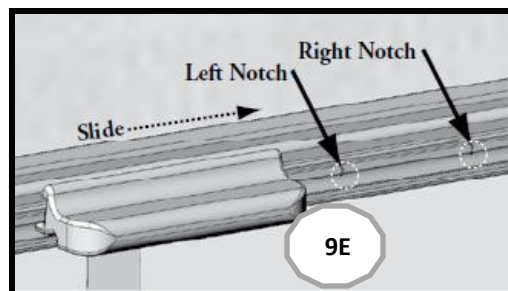
F Left notch will be visible when handle installation is complete. Right notch will be hidden behind handle.



B To install handle onto window, open top window to a comfortable height for handle installation.

C Slide the handle (with the spring installed and facing down) into the top rail channel starting at the left side of the top of the operating glass.

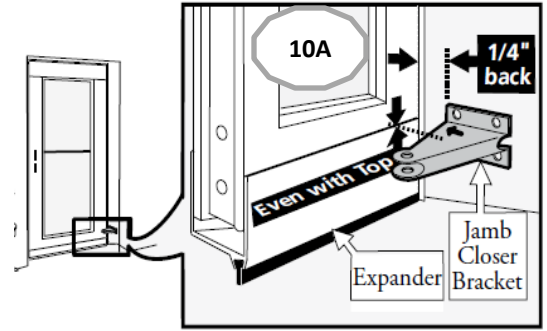
*The spring may need to be compressed slightly to allow the handle to slide into the channel.



10 CLOSERS

A

On the hinge side of your entryway, position a jamb closer bracket even with the top of the expander, (see the dotted line in the illustration) and 1/4" back from the mounting frame. Mark the screw hole locations and drill 1/8" diameter holes.



B

Install the bottom jamb closer brackets using four jamb bracket screws (#10 x 1-1/2" Phillips pan head) for each bracket.

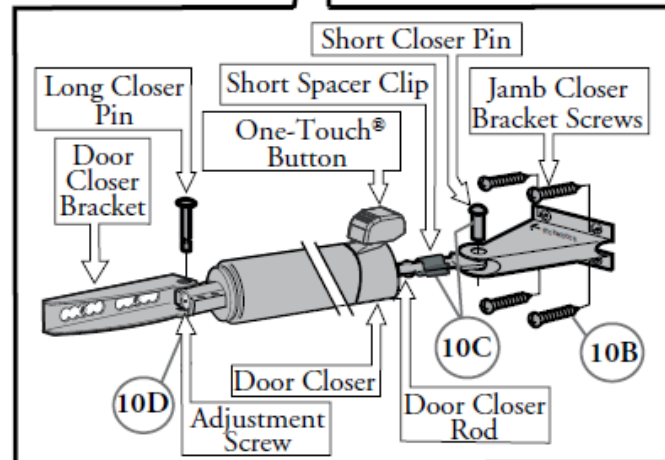
C

Attach the bottom closer (with One-Touch® button) rod to the jamb bracket using the short closer pin, then pull the door closer and slide the SHORT spacer clip onto the closer rod as shown. Rotate the closer so the One-touch® button is along the top of the closer.



D

Attach the door closer bracket to the door closer, by removing the O-ring and pin, then reinserting the pin.

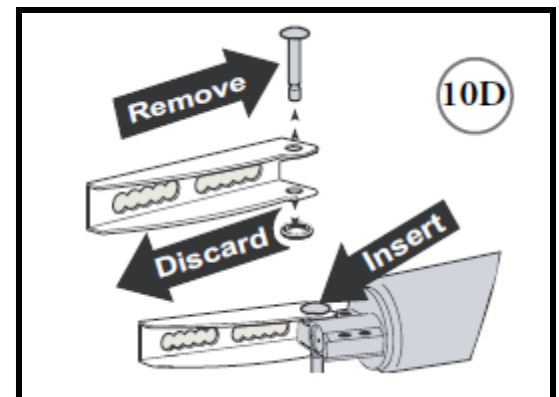
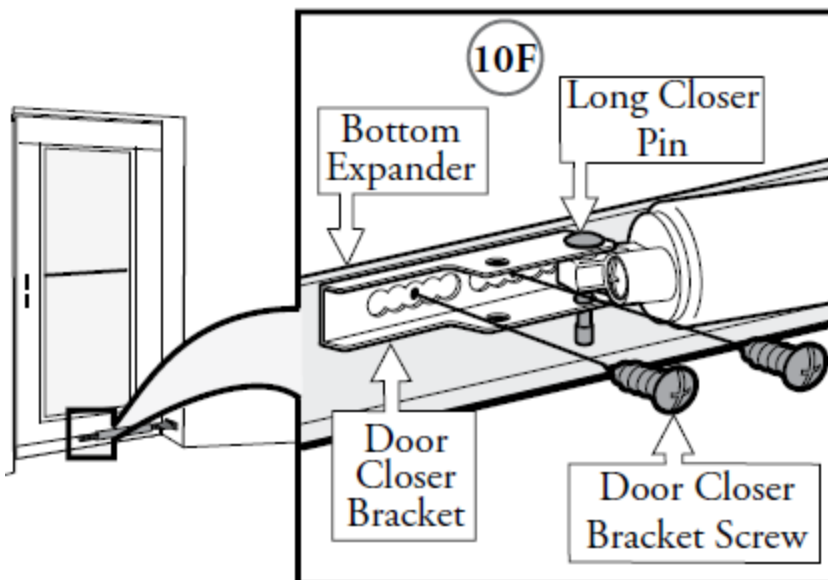


E

With the door tightly closed, align the bottom door closer bracket with the top of the bottom expander. Mark the centers of the hole pattern. Center punch and drill 1/8" diameter holes through the interior face of the door.

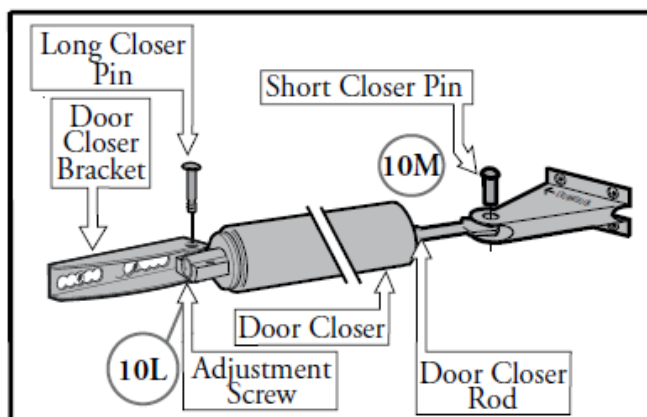
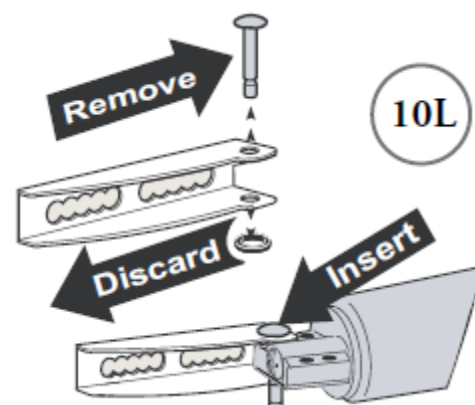
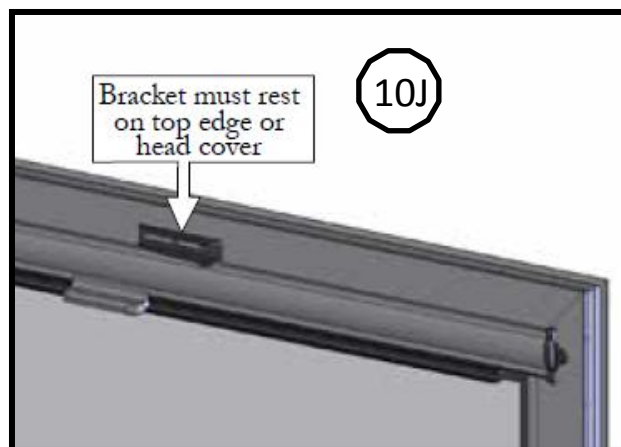
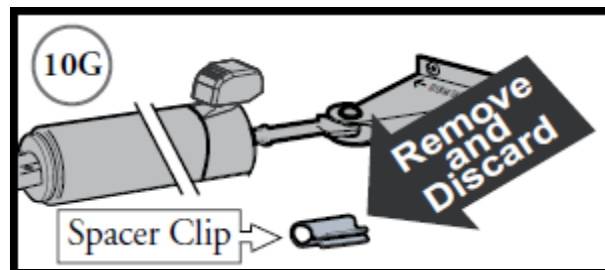
F

Install the door closer bracket with two door closer bracket screws (#10 x 5/8" Phillips pan head).



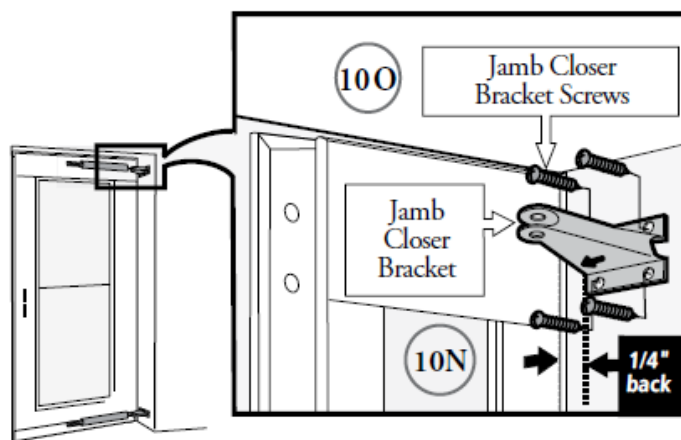
10 CLOSERS - CONTINUED

- G** **Discard** spacer clip from the closer rod.
- H** **Measure** the distance from the hinge side of the entryway, to the end of the bottom door closer bracket.
- I** **Measure** and mark this distance for the top closer, just above the screen head cover.
- J** **Rest** the door closer bracket on top edge of the screen head cover, and position the end of the door closer bracket on the mark from step I. Mark the screw locations for the top door closer bracket. Center punch and drill 1/8" diameter pilot holes.
- K** **Install** the top door closer bracket with two door closer bracket screws (#10 x 5/8" Phillips pan head).
- L** **Attach** the door closer bracket to the door closer, by removing the O-ring and pin, then reinserting the pin.
- M** **Attach** the top closer rod to the jamb bracket using the short closer pin (10J, 10M).



10 CLOSERS - CONTINUED

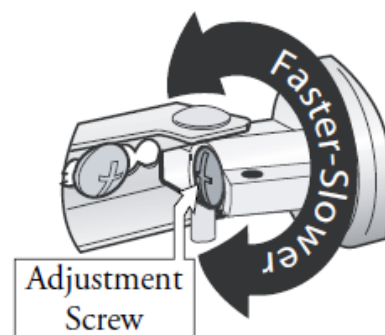
N **Holding** the closer level, position the jamb closer bracket against the entryway jamb. Ensure the jamb closer bracket is 1/4" back from the hinge side mounting frame, mark the mounting screw locations and drill 1/8" diameter pilot holes.



O **Install** the top jamb closer bracket using four jamb bracket screws (#10 x 1-1/2" Phillips pan head) for each bracket.

* Removing the door jamb bracket from the closer may make installation of the bracket easier.

P **Open** the door and check the closer speed. The speed of each closer may be adjusted by turning the adjustment screw. Turn the screw clockwise to reduce the closer speed or counter clockwise to increase the closer speed.



Q **To use** the One-Touch® Button: Tap the button and open the door. To close, nudge the door open slightly.

11 SCREW COVERS

A **Starting** flush at one end, install the horizontal screw cover strip by inserting the angled edge into the outer most track and pressing in place. Repeat this procedure for the two vertical screw covers starting at the top of the mounting frames.

*Cut the vertical screw covers to match the length of the mounting frame by scoring with a utility knife, then snapping in two.

