

Installation Guide

for Andersen® 1-1/2" Fullview Storm Doors
with Standard and Insulating Glass Panels



Please Do Not Return Product to Store!

PLEASE call the storm door Solution Center at 1-800-933-3626

with any questions regarding installation, mis-cut part replacement, lost part replacement, or anything else related to your storm door purchase.

- If your abilities do not match the requirements of this installation, contact an experienced contractor.
- Andersen has no responsibility in regard to the post-manufactured assembly and installation of Andersen® products.



PARTS OVERVIEW

Your storm door should contain the following parts:

- 1 Rain Cap
- 2 Door Frame
- 3 Hinge Rail with 4 hinges
(Hinge Side Z-bar)
- 4 Glass panel
- 5 Latch Rail
(Handle Side Z-bar)
- 6 Sweep
- 7 Sweep Fins (2)
- 8 Edge Seal
- 9 Side Screw Covers (2)
Top Screw Cover (1)

Not Shown

- 10 Shipping Clip
- 11 Door Mounting Screw Bag
- 12 Handle Set Kit
- 13 Closer Kit
- 14 Insect Screen

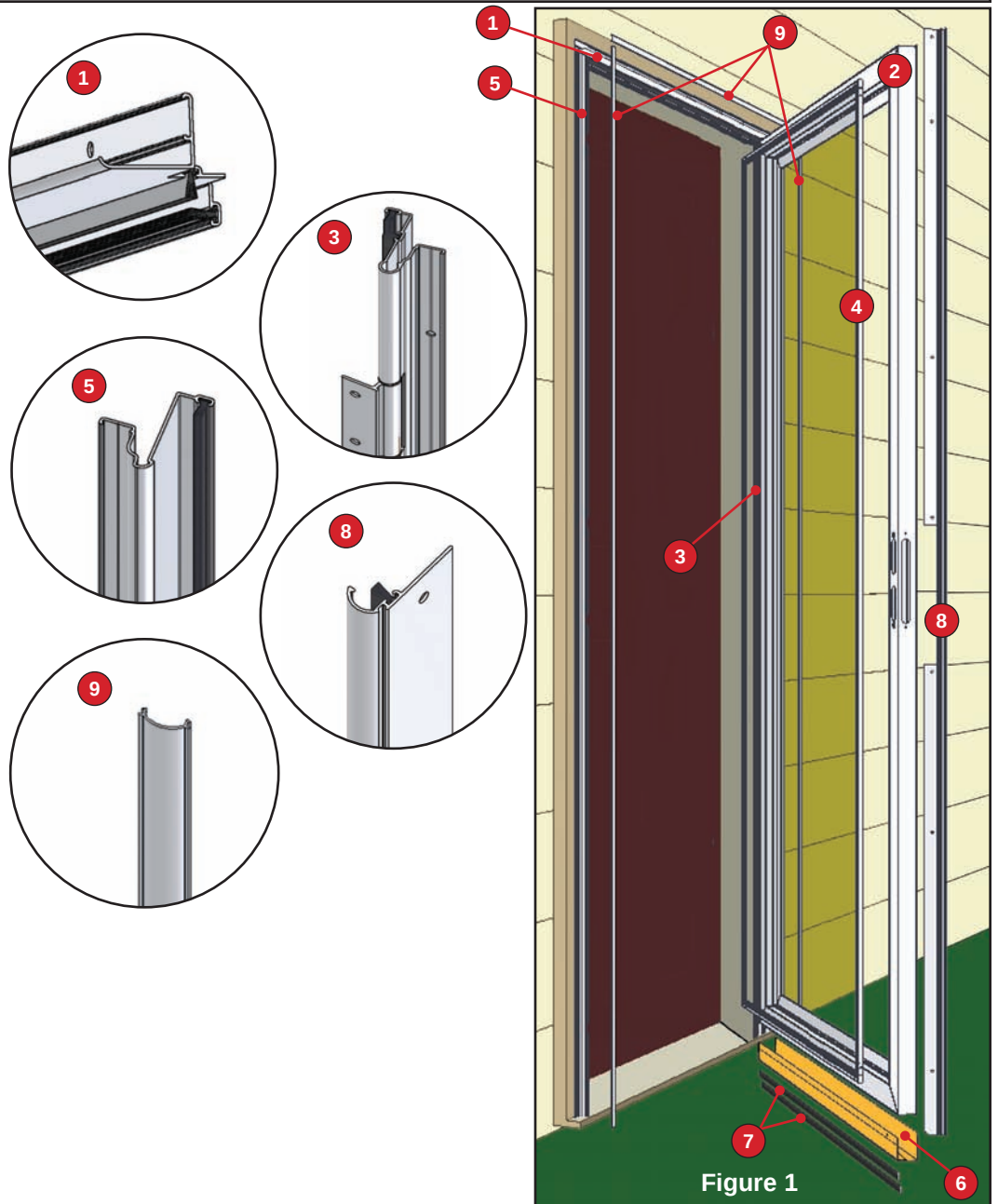
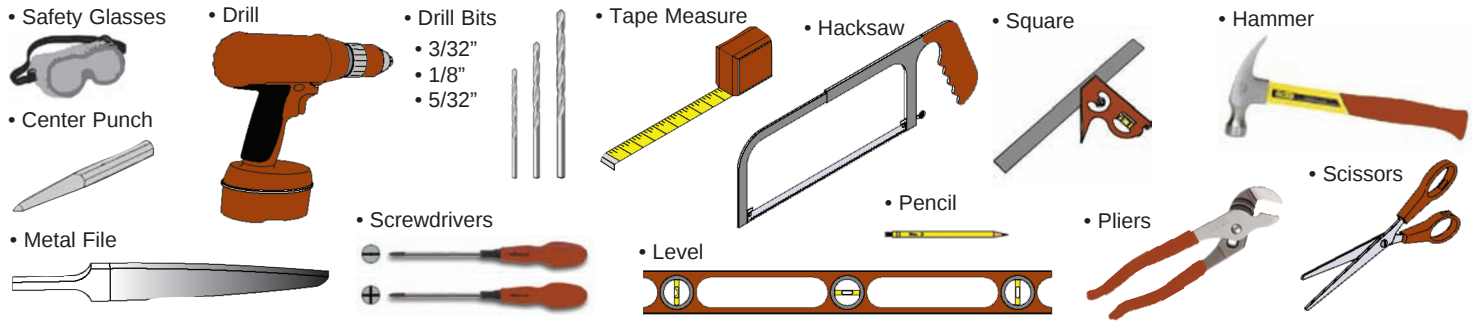


Figure 1

SAFETY FIRST - PLEASE READ AND FOLLOW ALL WARNINGS AND CAUTIONS IN THIS GUIDE.

⚠ WARNING	⚠ WARNING	⚠ WARNING	⚠ WARNING	⚠ WARNING
Entry door hardware and handle may become hot when exposed to sunlight.	Improper use of hand or power tools could result in injury and/or product damage. Follow equipment manufacturer's instructions for safe operation. Always wear safety glasses.	Windows and doors can be heavy. Use safe lifting techniques and a reasonable number of people with enough strength to lift, carry, and install window and door products to avoid injury and/or property damage.	The insect screen is intended for reasonable insect control and not the retention of objects or persons within the interior. The insect screen material will not stop a person from falling through the door.	Metal fasteners and other hardware components may corrode when exposed to preservative treated and fire-retardant treated lumber. Obtain and use the appropriate size stainless steel fasteners and hardware as called out by the installation guide to fasten unit to any rough opening made from pressure treated and fire-retardant treated lumber. Failure to use the appropriate materials for the installation may cause a failure resulting in injury, property or product damage.

RECOMMENDED TOOLS



1. VERIFY MOUNTING REQUIREMENTS

To install the storm door, you must verify that there is the necessary opening width and height and a sufficient mounting surface.

1. Measure the width at the top, middle, and bottom of the opening (Figure 2). Measure from the inside of the brick mold or exterior trim.
2. Measure the height at the center of the opening. Measure from the inside of the brick mold or exterior trim, down to the top of the bottom sill.

Use the this table to determine if your storm door will fit into the opening:

Nominal Storm Door Sizes	Opening Sizes	
	W 1 - 3 (width)*	H (height)
36" x 80"	35 3/4" TO 36 3/8"	80" TO 80 7/8"
34" x 80"	33 3/4" TO 34 3/8"	
32" x 80"	31 3/4" TO 32 3/8"	
30" x 80"	29 3/4" TO 30 3/8"	

3. Make sure that the brick mold or exterior trim meets the mounting surface requirements to install the rain cap, hinge rail and latch rail (Figure 3). You must have a minimum of:
 - 1" mounting surface depth.*
 - 3/4" mounting surface front.*
 - 2 1/2" space between the existing door and the mounting surface for the handle set installation.
4. Most homeowners prefer to have the storm door handle on the same side as the entry door handle. In shallow door openings, this can cause the two handles to interfere. Check for potential interference using the rough measurements (Figure 4). If you anticipate that there will be interference, hinge your storm door on opposite side of your entry door.

* For opening widths up to 1" wider or for mounting surface depth between 5/8" - 3/4", please call our Solution Center at 1-800-933-3626 to purchase a special kit to accommodate your situation.

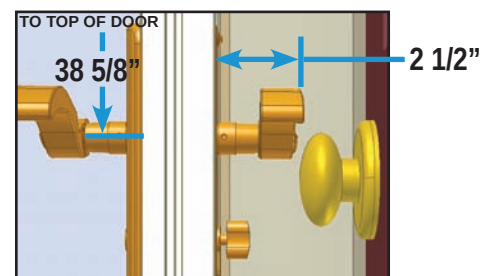
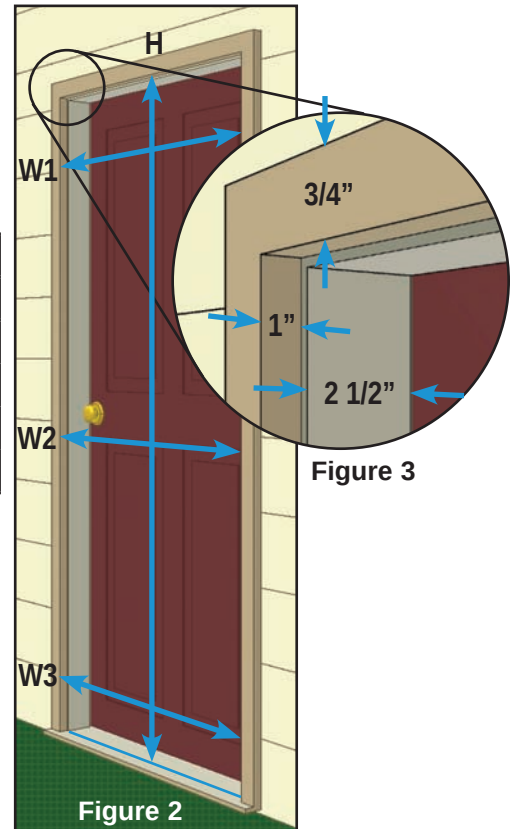


Figure 4

2. INSTALLATION PREPARATION:

Tools needed:



In this step, you will remove the insect screen and shipping clip.

1. Lay the door flat on a protected surface with the exterior side down.

TIP: Lay on door carton.

2. Remove insect screen by pressing down on the shipping clip to release insect screen (Figure 5).
3. Remove the shipping clip using a pair of pliers. Grasp shipping clip and pull out of door frame. Properly dispose of shipping clip.

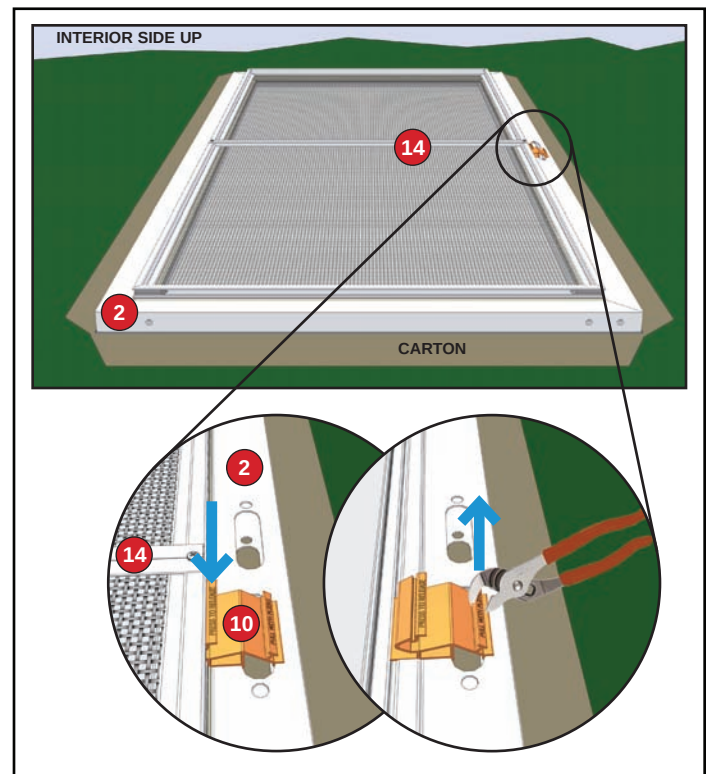


Figure 5

In this step, you will remove the glass panel.

4. Reach under the side of the door frame near the handle holes and gently push up on the glass panel until you are able to firmly grasp onto it (Figure 6).
5. While maintaining a firm grip on the glass panel, gently lay the door frame back down. Pull the glass panel away from the opposite side of the door frame and then lift it out of door frame and set aside.
6. Stand the glass panel on its edge to prevent damage to it.

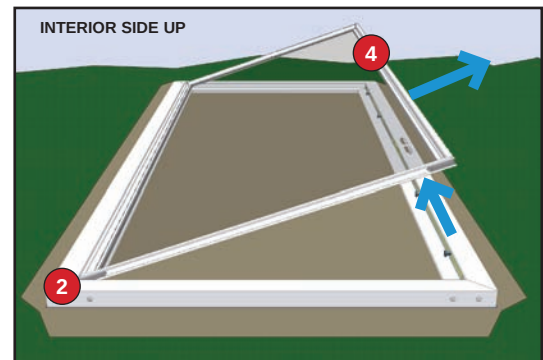


Figure 6

In this step, you will determine the side your storm door will hinge on.

7. Left Hinged (Figure 7) - From the exterior, a left hinged storm door will have the hinge rail on the left side of the storm door. Refer to the illustrations in the column on the left side of the installation guide under this heading:

LEFT HINGE

8. Right Hinged (Figure 8) - From the exterior, a right hinged storm door will have the hinge rail on the right side of the storm door. Refer to the illustrations in the column on the right side of the installation guide under this heading:

RIGHT HINGE

Remember, any mis-cuts during your storm door installation can be replaced free of charge. Just call our Solution Center at 1-800-933-3626.



Figure 7

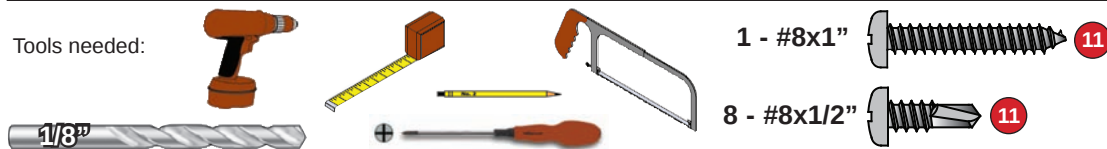


Figure 8

EXTERIOR
VIEWS

3. PREPARE STORM DOOR FOR HANGING

Tools needed:



LEFT HINGE - EXTERIOR VIEW (FIGURE 9)

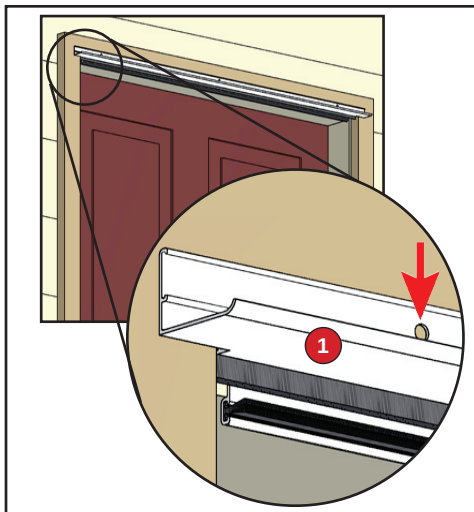


Figure 9

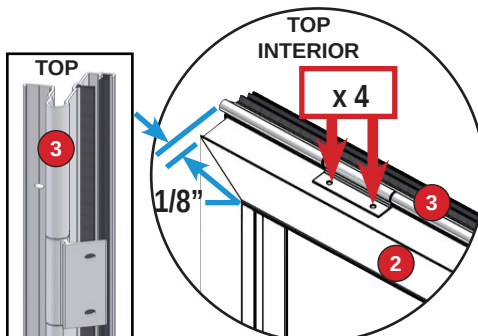


Figure 10

Figure 11

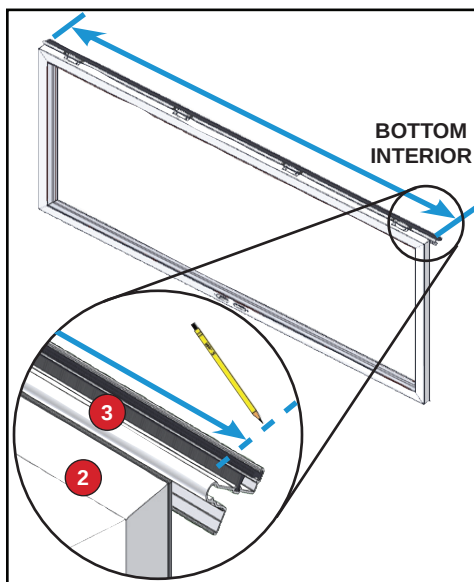


Figure 12

In this step, you will hang the rain cap against the top mounting surface (Figure 9).

1. Center the rain cap in the door opening.
2. Using a pencil, mark the hinge side hole on the mounting surface. Set rain cap aside.
3. Using the drill and 1/8" drill bit, drill a hole in the mounting surface.
4. Place the rain cap back on the door opening.
5. Screw the #8 x 1" screw in the hole as indicated by the red arrow, fastening the rain cap to the mounting surface.
6. Do not install the remaining screws at this time.

In this step, you will attach the hinge rail to the door frame.

7. Place latch side edge of door frame (with holes) on the ground.

TIP: Lay on door carton.

8. Locate the top of the hinge rail (Figure 10).
9. Position the hinge rail along the hinge-side edge of the door frame, extending the top of the hinge rail 1/8" beyond the top of the door frame. Snug the top hinge against the exterior side of the door frame (Figure 11).
10. Attach the top and remaining hinges to the door frame using the #8 x 1/2" self-drilling screws.

In this step, you will cut the bottom of the hinge rail to its proper length.

11. Measure the height of the door opening on the hinge side, measuring from the underside of the rain cap to the door sill. You will use this measurement to cut the hinge rail to its proper length.
12. Measure the hinge rail, starting at the top and then marking the bottom with the measurement that you took of the door opening (Figure 12).
13. Using the hacksaw, cut the hinge rail to its proper length.

RIGHT HINGE - EXTERIOR VIEW (FIGURE 9)

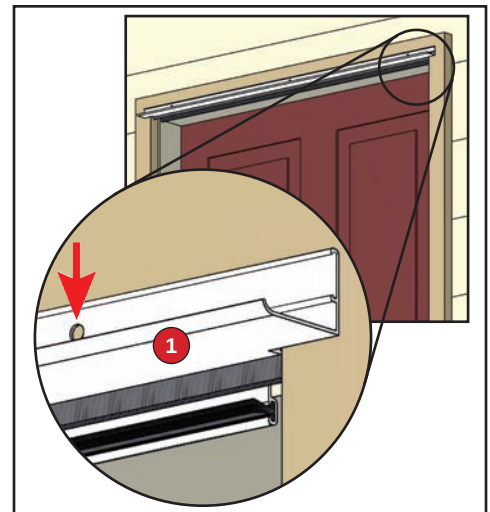


Figure 9

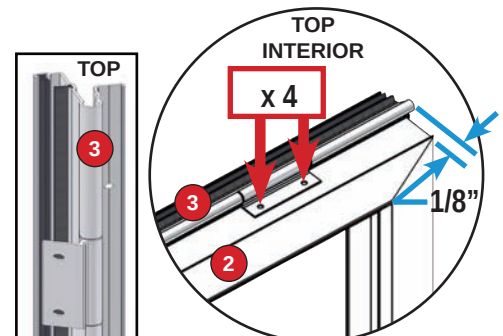


Figure 10

Figure 11

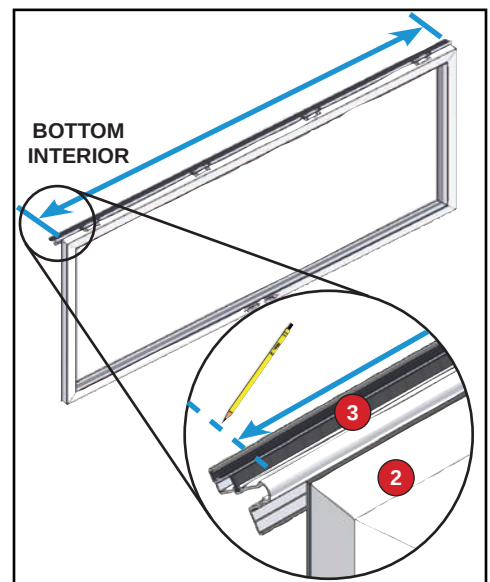
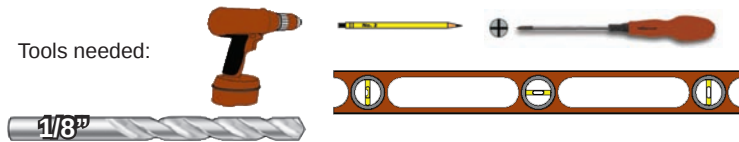


Figure 12

4. HANG HINGED STORM DOOR

Tools needed:



14 - #8x1"



LEFT HINGE - EXTERIOR VIEWS

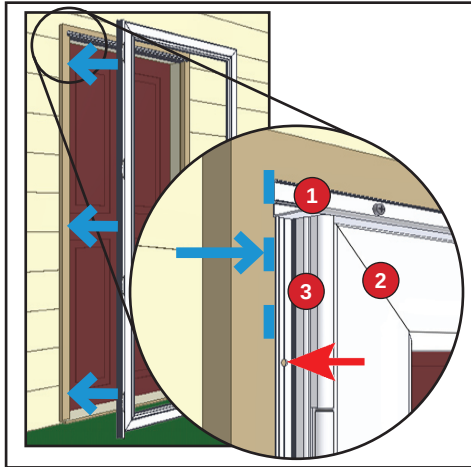


Figure 13



Figure 14

Figure 15

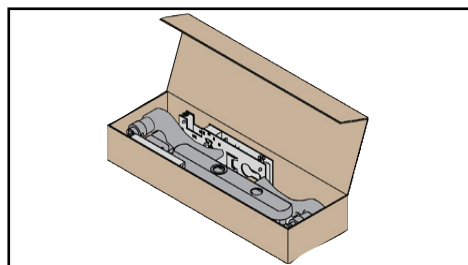


Figure 16

In this step, you will hang the storm door in the opening.

1. Position the door in the opening so that the edge of the hinge rail is flush with the end of the rain cap, and the top end of the hinge rail is butted up against the underside of the rain cap (Figure 13).
2. While holding door in position, mark onto the mounting surface the location of the top-most pre-drilled hole in the hinge rail. Once marked, remove door from opening and set aside.
3. Using the 1/8" drill bit, drill a hole in the mounting surface where you placed the mark.
4. Reposition the door in the opening and align the pre-drilled hole in the hinge rail with the hole that you drilled in the mounting surface.
5. Fasten the door to the mounting surface using one #8 x 1" screw.
6. Using the level, make sure that the door is plumb (straight up and down).
7. While holding door in position, use the 1/8" drill bit to drill holes in the mounting surface through the pre-drilled holes in the hinge rail.
8. Fasten the hinge rail to the mounting surface using five #8 x 1 screws (Figure 14).
9. Open the storm door.
10. Using the 1/8" drill bit, drill holes in the door jamb through the pre-drilled holes in the hinge rail.
11. Fasten the hinge rail to the door jamb using eight #8 x 1 screws (Figure 15). Do not overtighten the screws.

In this step, you will install the handle set.

12. Refer to the instructions included in the handle set box to install the door handles (Figure 16).

You can match your Andersen storm door lock to Schlage® or Kwikset® entry door locks. See handle set instructions contained within handle set box for details

"Kwikset" is a registered trademark of Newfry LLC. "Schlage" is a registered trademark of Schlage Lock Company.

RIGHT HINGE - EXTERIOR VIEWS

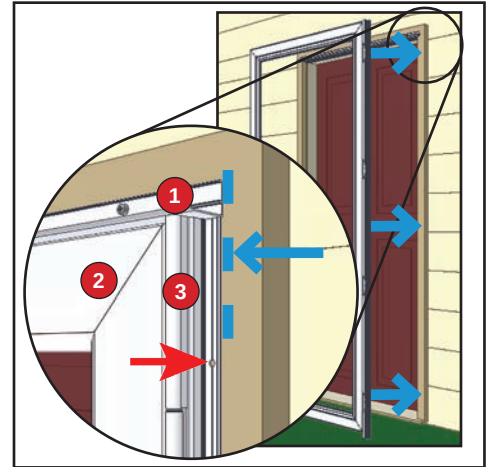


Figure 13

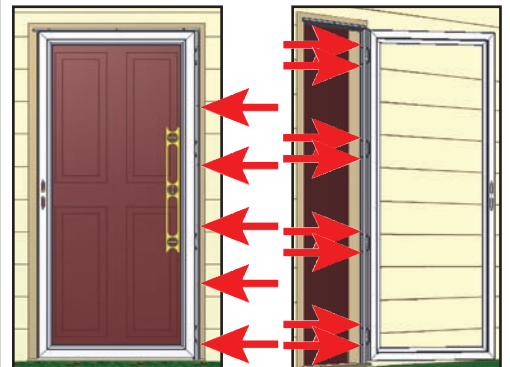


Figure 14

Figure 15

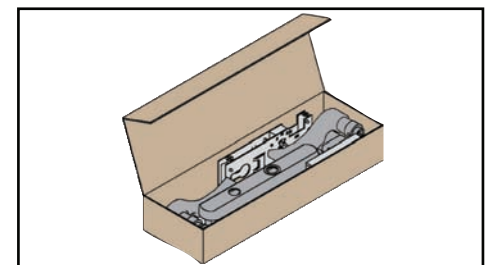


Figure 16

5. INSTALL GLASS PANEL - DO NOT INSTALL THE INSECT SCREEN AT THIS TIME

Tools needed: None

LEFT HINGE - EXTERIOR VIEWS

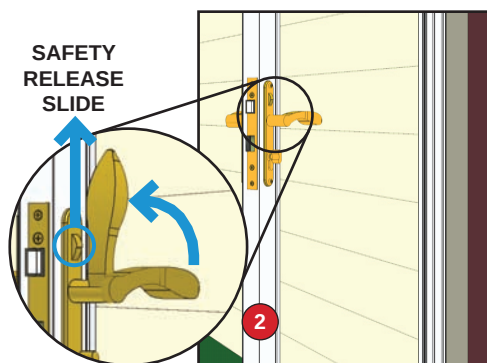
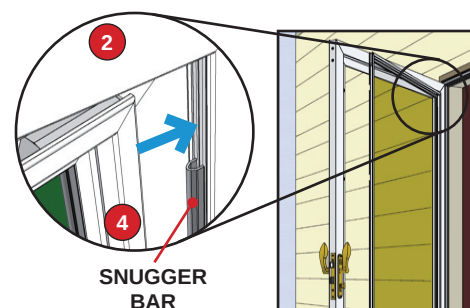
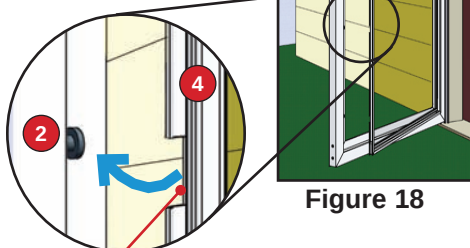


Figure 17



SNUGGER BAR



NOTCH

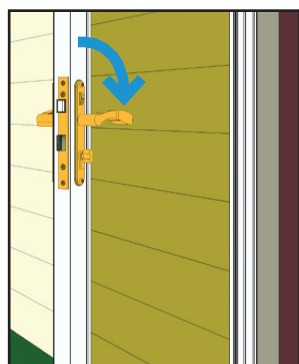


Figure 19

In this step, you will install the glass panel into the door frame.

1. Open the door. Push and hold the safety release slide up, then rotate the handle up a 1/4 turn. The handle should now be in a vertical position (Figure 17).



WARNING

The notches located on the backside of the handle side of the glass panel and insect screen may contain sharp edges. Use caution when handling the glass panel and insect screen. Failure to do so may result in injury.

2. Orient the glass panel so the notches face the exterior, on the handle side.
3. Slide the glass panel into the door frame on the hinge side first. The frame of the glass panel should be seated into the snugger bar. Then position the handle side of the glass panel until its flush with the door frame (Figure 18).
4. While holding the glass panel in place, rotate the handle down a 1/4 turn to lock the glass panel in door frame (Figure 19).



WARNING

The glass panel / insect screen is secured in the door frame by the door handle locking mechanism. Once the door handle has been rotated up to the vertical position, the glass panel / insect screen are no longer secured in the door frame. Immediately remove glass panel / insect screen from door frame after releasing locking mechanism. Failure to do so could result in injury and/or product damage.

RIGHT HINGE - EXTERIOR VIEWS

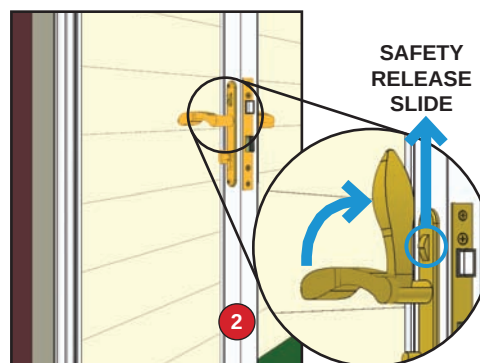
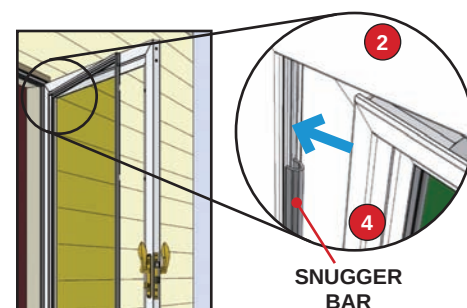
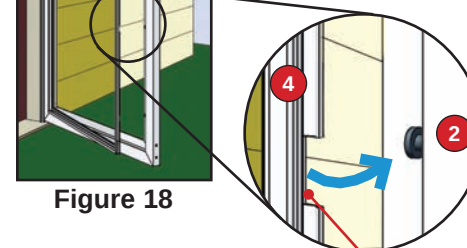


Figure 17



SNUGGER BAR



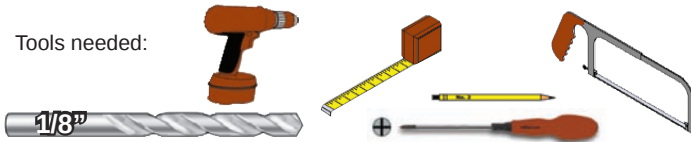
NOTCH



Figure 19

6. INSTALL REMAINING FRAME COMPONENTS

Tools needed:



8 - #8x1"



LEFT HINGE - EXTERIOR VIEWS

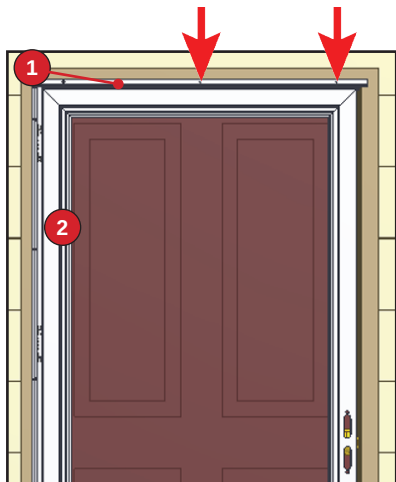


Figure 20



Figure 21

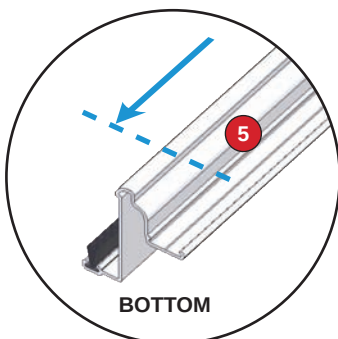


Figure 22

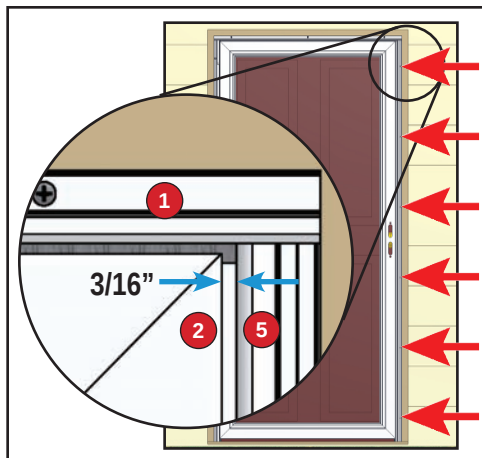


Figure 23

In this step, you will finish fastening the rain cap to the top mounting surface.

1. Close the storm door.
2. Adjust the rain cap so that the gap between the rain cap and door frame is the same along the entire length of the rain cap.
3. Using the 1/8" drill bit, drill holes in the mounting surface through the pre-drilled holes in the rain cap (Figure 20).
4. Fasten the rain cap to the mounting surface using two #8 x 1" screws.

In this step, you will cut the bottom of the latch rail to its proper length.

5. Measure the height of the door opening, measuring from the underside of the rain cap to the door sill. You will use this measurement to cut the latch rail to its proper length.
6. Locate the top of the latch rail (Figure 21).
7. Measure the latch rail, starting at the top and then marking the bottom with the measurement that you took of the door opening.
8. Using the hacksaw, cut the latch rail to its proper length (Figure 22).

In this step, you will attach the latch rail to the mounting surface.

9. Position the latch rail so that the top end of the latch rail is butted up against the underside of the rain cap (Figure 23).
10. Close the storm door.
11. Measure the space between the latch rail and the storm door. This space should be 3/16" along the entire length.
12. Using the 1/8" drill bit, drill holes in the mounting surface through the pre-drilled holes in the latch rail. Use the pre-drilled holes in the latch rail as guides.
13. Fasten the latch rail to the door opening using six (6) #8 X 1" screws

RIGHT HINGE - EXTERIOR VIEWS

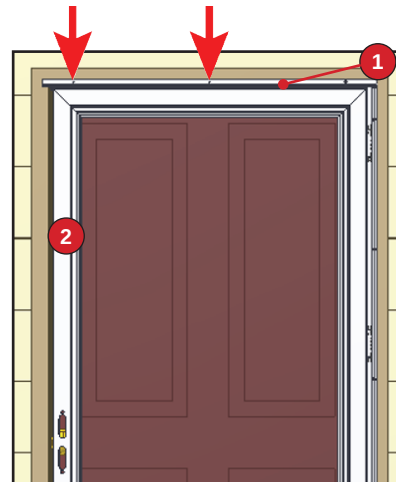


Figure 20

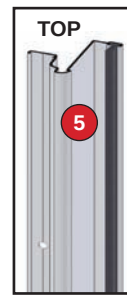


Figure 21

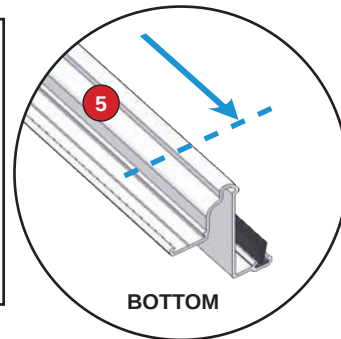


Figure 22

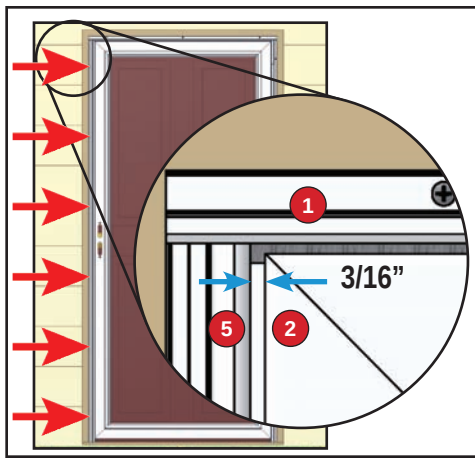


Figure 23

7. INSTALL LATCH STRIKER

1. Refer to the handle set instructions to install the latch striker.

8. INSTALL WEATHER SEALING COMPONENTS

Tools needed:



2 - #8x1/2"  11

LEFT HINGE - INTERIOR VIEWS

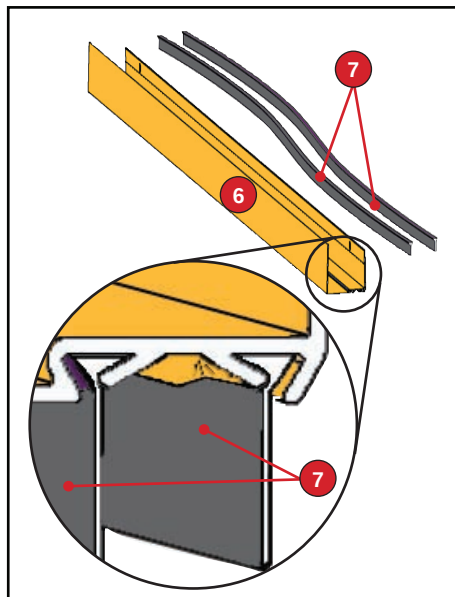


Figure 24

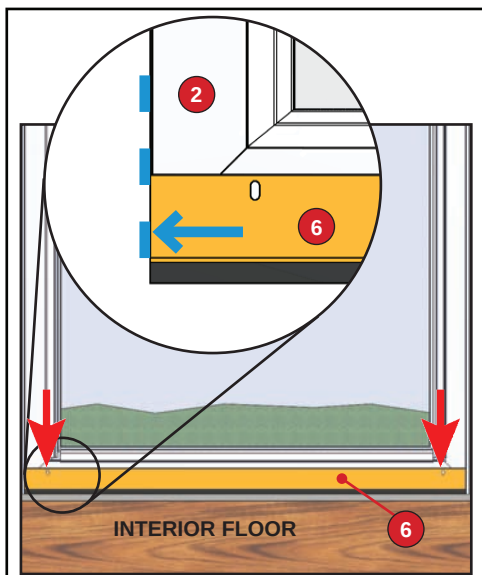


Figure 25

In this step, you will install the bottom sweep components.

1. Slide the sweep fins into the tracks located on the bottom of the door sweep (Figure 24).
2. Using scissors, trim any excess sweep fin material that extends beyond the door sweep.
3. Using pliers, crimp each end of the tracks to prevent the sweep fins from coming out of the tracks. See the close-up showing the tracks as already crimped (Figure 24).
4. Open the door and slide the sweep onto the bottom of the door frame. Make sure that the screw slots on the sweep are towards the interior.
5. Position the door sweep so that it is flush with the latch-side of the door frame (Figure 25).
6. Close the door.
7. From the interior, adjust the sweep up or down until the sweep fins come into contact with the door sill.
8. Using the drill and 1/8" drill bit, drill a starter hole into the door using the pre-drilled hole slots as guides.

CAUTION

Do not drill completely through door. This will create an unnecessary hole in the door and may cause water and air infiltration.

9. Fasten the sweep to the door using the two #8 X 1/2 color-matched (to sweep) screws.

RIGHT HINGE - INTERIOR VIEWS

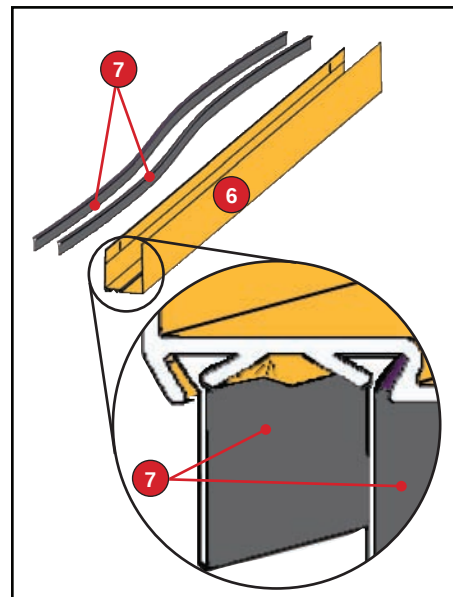


Figure 24

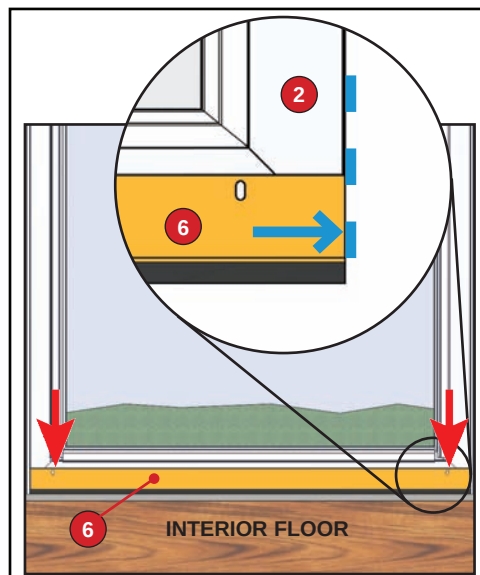
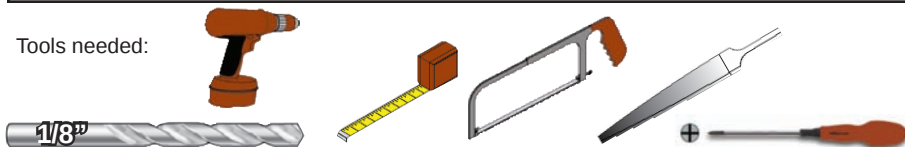
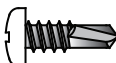


Figure 25

8. INSTALL WEATHER SEALING COMPONENTS (CONTINUED)

Tools needed:



7 - #8x1/2"  11

LEFT HINGE - EXTERIOR VIEWS

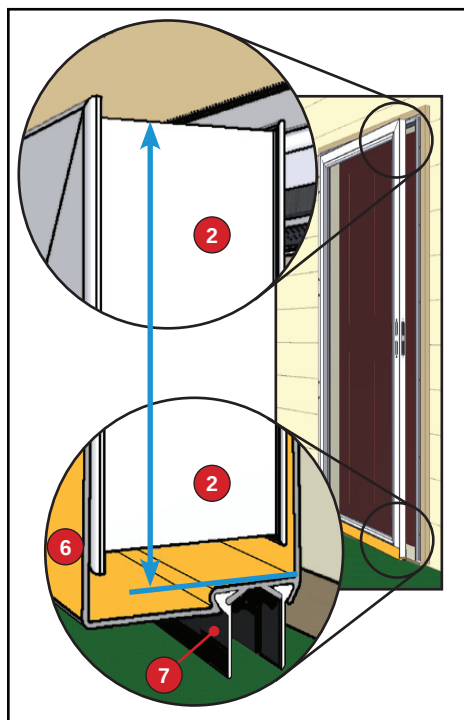


Figure 26

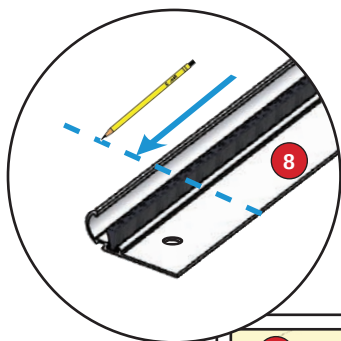


Figure 27

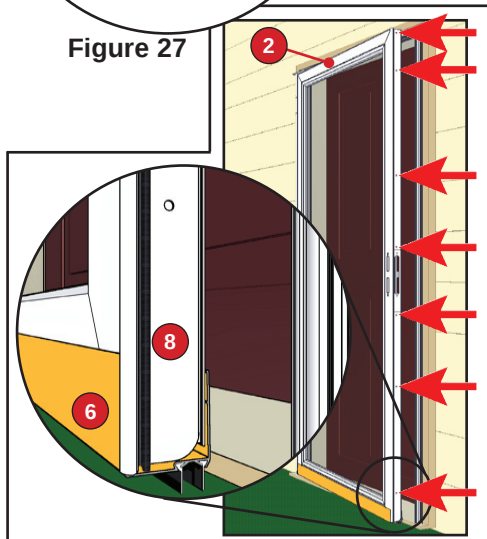


Figure 28

In this step, you will install the edge seal. Your handle set should already be installed.

10. Measure from the top of the door frame to the top of sweep fin track (Figure 26). You will use this measurement to cut the edge seal to its proper length.
11. Locate the top of the edge seal.
12. Measure from the top of the edge seal and mark on the bottom of the edge seal the measurement that you took in Step 10.
13. Using the hacksaw, cut the edge seal to its proper length (Figure 27).
14. File the corners of the edge seal until they are smooth.

WARNING

Once the edge seal is cut to length, generously round the bottom corner of the edge seal with a metal file to avoid sharp edges. Failure to round the bottom corners may cause an injury.

15. Fasten the edge seal to the door frame using the seven #8 x 1/2" color-matched screws. (Figure 28).

RIGHT HINGE - EXTERIOR VIEWS

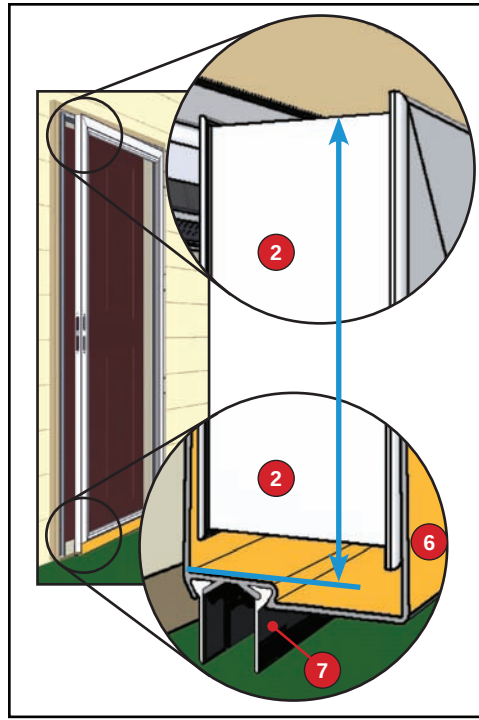


Figure 26

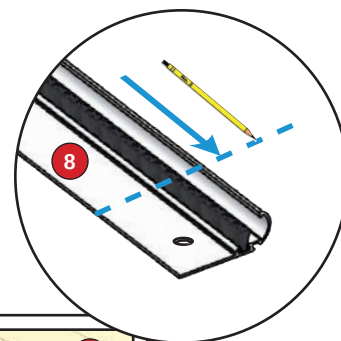


Figure 27

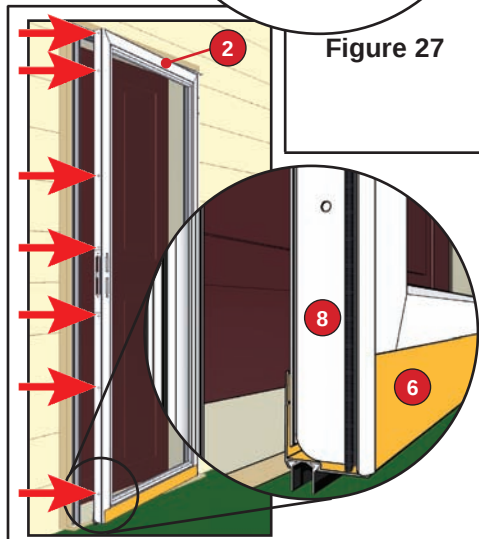


Figure 28

9. INSTALL SCREW COVERS

Tools needed:



LEFT HINGE - EXTERIOR VIEWS

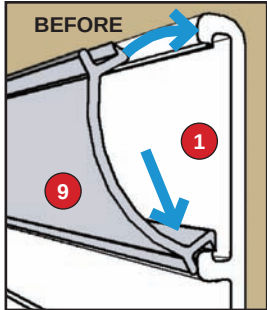


Figure 29

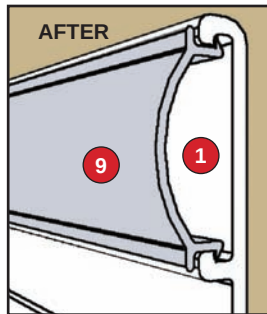


Figure 30

In this step, you will install the screw covers over the mounting screws in the rails and rain cap.

1. Starting with the rain cap screw cover, insert a groove in the screw cover into the bottom track of the rain cap (Figure 29).
2. Snap the groove in the top of the screw cover into the top track of the rain cap (Figure 30).
3. Repeat Steps 1 and 2 to install the remaining side screw covers.

RIGHT HINGE - EXTERIOR VIEWS

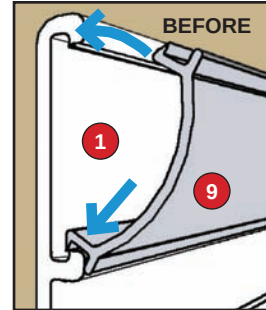


Figure 29

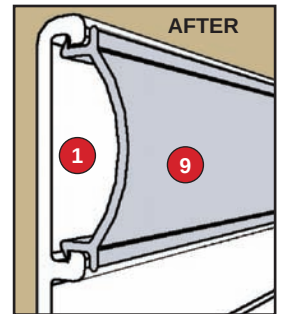


Figure 30

10. INSTALL CLOSERS

Tools needed:



LEFT HINGE - INTERIOR VIEWS

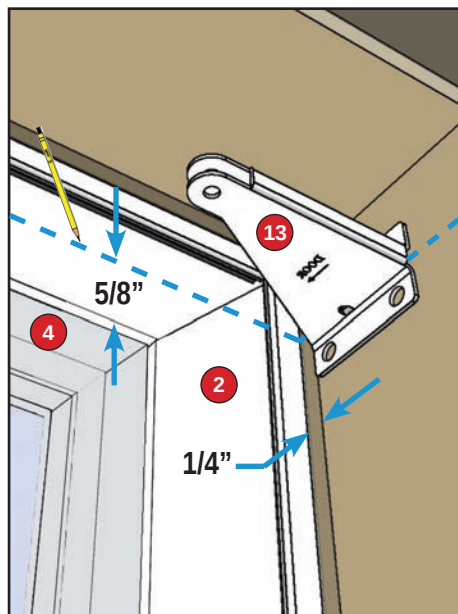


Figure 31

The push button closer will be temporarily installed at the top and then replaced by the standard closer.

In this step, you will install a jamb bracket onto the door jamb at the top (Figure 31).

1. Measure 5/8" above the window opening at the top on the hinge side and mark a line on the door frame.
2. Extend the line onto the door jamb.
3. Center a jamb bracket on this line, placing it 1/4" behind the hinge rail.
4. Using a pencil, mark each jamb bracket hole on the door jamb.
5. Using the drill and 5/32" drill bit, drill a hole in the door jamb where you placed the marks.
6. Reposition the jamb bracket and align its holes with the holes that you drilled in the door jamb.
7. Fasten the jamb bracket to the door jamb using four #10 x 2" color-matched screws.

RIGHT HINGE - INTERIOR VIEWS

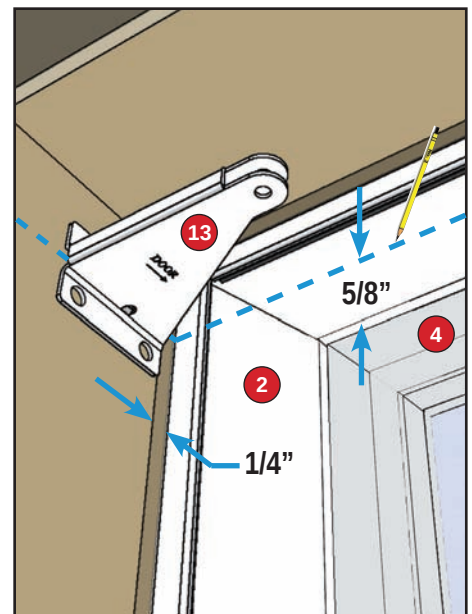
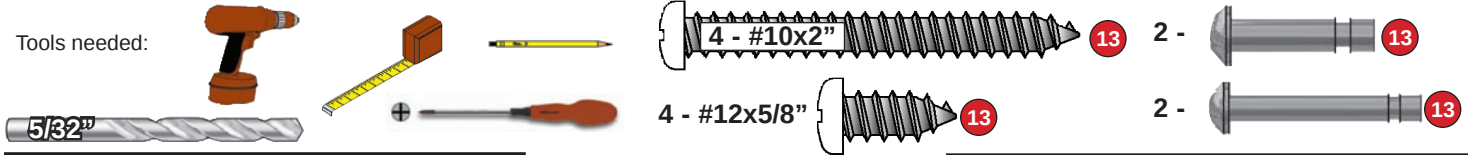


Figure 31

10. INSTALL CLOSERS (CONTINUED)

Tools needed:



LEFT HINGE - INTERIOR VIEWS

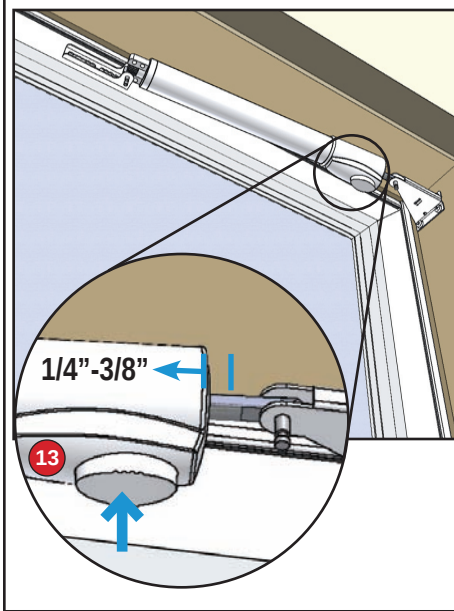


Figure 32

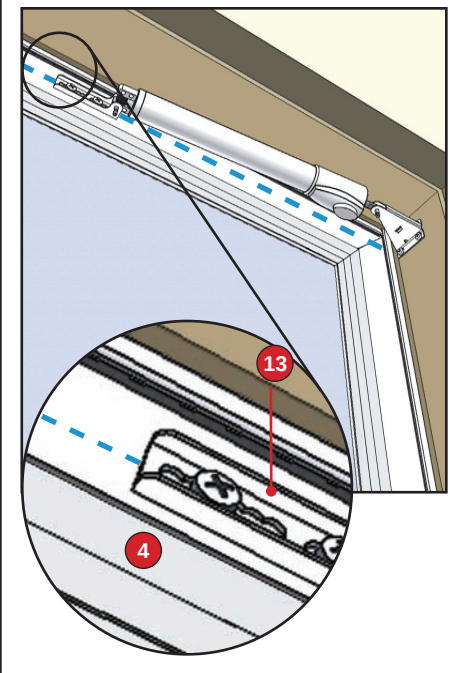


Figure 33

In this step, you will install and pre-set the push button closer (Figure 32).

8. Attach the push button closer to the jamb bracket using the short pin.
9. Attach the door bracket to the push button closer with the long pin.
10. Press the push button on the push button closer and then pull (extend) closer by 1/4" - 3/8".

RIGHT HINGE - INTERIOR VIEWS

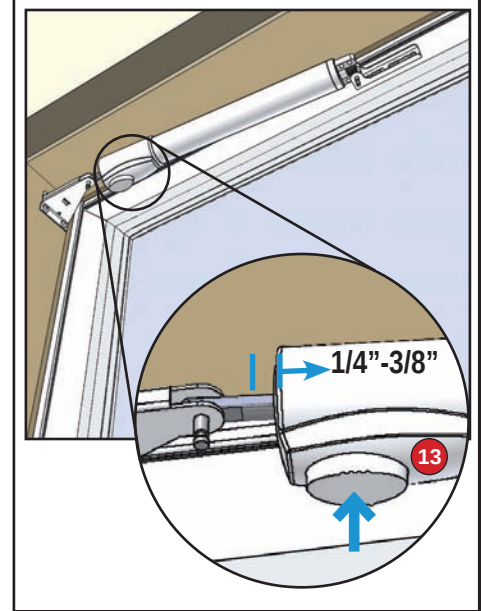


Figure 32

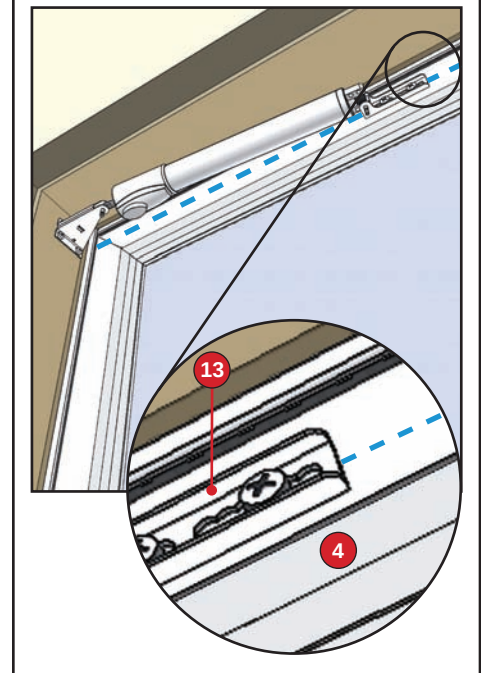


Figure 33

In this step, you will install a door bracket, then replace the push button closer with the standard closer (Figure 33).

11. Close the storm door and then center the door bracket on the line from Step 1.
12. Using a pencil, mark each door bracket hole on the door frame.
13. Using the drill and 5/32" drill bit, drill a hole in the door frame where you placed the marks.
14. Reposition the door bracket and align its holes with the holes that you drilled in the door frame.
15. Fasten the door bracket to the door jamb using two #12 x 5/8" color-matched screws.
16. Remove the push button closer and replace it with the standard closer.

In this step, repeat Steps 1 - 15 to install the push button closer at the bottom, except for the following:

17. Measure down 3/4" from the bottom of the window opening to mark a line on the door frame.
18. The door bracket should be mounted either on the door frame or the sweep, not both.

11. ADJUST THE CLOSER

Tools needed:



LEFT HINGE - INTERIOR VIEWS

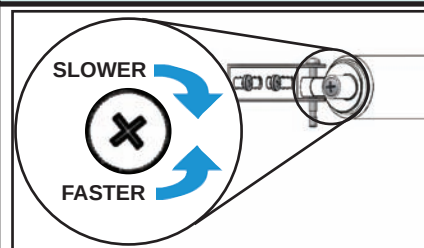


Figure 34

In this step, you will adjust the door closers. Locate the adjustment screw at the end of the closer that attaches to the door frame (Figure 34).

1. Open the door and then let it close to note the speed at which the door closes.
2. Using a Phillips head screwdriver to adjust the closer to the desired speed:
 - For a faster closing speed, turn the adjustment screw to the left (counterclockwise).
 - For a slower closing speed, turn the adjustment screw to the right (clockwise).
3. Test the speed at which the door closes after each adjustment. Adjust the screw more, if needed, to achieve the desired door closing speed.

RIGHT HINGE - INTERIOR VIEWS

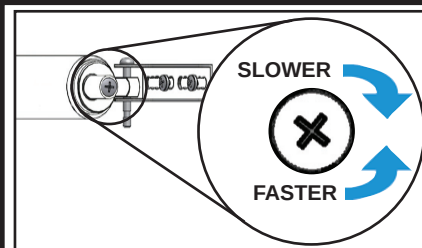


Figure 34

REGULAR MAINTENANCE

WINDOW GLASS – The glass may be cleaned with any household glass cleaner. Keep glass cleaners away from painted parts and brass/nickel components.

PLASTIC PARTS – Plastic door components may be cleaned by using a mild soap and water mixture and by gently rubbing the affected area. Do not use harsh abrasives or any product that contains chlorine.

ALUMINUM PARTS – Aluminum parts on the door may be cleaned by using a mild soap and water mixture and by gently rubbing the affected area. Mineral spirits may be used and will not harm the paint. This will remove many items such as glue residue. Do not use harsh abrasives or any product that contains chlorine.

HANDLE COMPONENTS – Brass handles and components (except coming on windows) may be cleaned in the following manner: Brass handles and components are coated with a clear urethane finish which protects the brass from tarnishing. In order to clean the brass, this coating will have to be removed. Upon doing this, a larger area of brass will be exposed and subject to weathering. Use a high quality brass polish according to the specific directions on that product. A clear urethane may be reapplied to the clean surface to protect the finish. Painted handles and components may be cleaned by using a mild soap and water mixture and by gently rubbing the affected area. **Do not use harsh abrasives or any product that contains chlorine.**

ANODIZED FINISHED SWEEPS – The anodized finished sweep may be cleaned with a mild solution of soap and water. Do not use harsh abrasives or any product that contains chlorine.

BRASS/NICKEL GLASS CLEANING – Brass and Nickel components may be cleaned with good quality cleaner; such as Brasso®.

LIMITED WARRANTIES

PRODUCT LIMITED WARRANTY

DOOR FRAME: EMCO Enterprises, Inc. (EMCO) warrants the door frame, hinges, and painted finish on Andersen® aluminum storm door products to be free from defects in manufacturing, materials, paint adhesion, or workmanship, under normal use, for as long as the original consumer purchaser owns the home in which the door was initially installed.

COMPONENTS: EMCO warrants the non-glass and non-insect screen fabric components of Andersen® storm doors (including brass and nickel hardware finish and the mechanical functions of balancers, locksets, closers, windows and insect screens) to be free from defects in manufacturing, materials and workmanship for a period of five (5) years from the date of original retail purchase or for as long as the original consumer purchaser owns the home in which the door was initially installed, whichever is shorter. Insulated glass is also warranted for a period of five (5) years not to develop, under normal conditions, any material obstruction of vision resulting from manufacturing defects or as a result of premature failure of the glass or hermetic seal.

In the event a door frame, hinges, insulated glass or a component fails as a result of a defect in manufacturing, materials or workmanship within the limited warranty period specified above, and upon written proof of purchase, EMCO, at its option, will provide a replacement door frame, hinge, insulated glass unit and/or components without charge – installation is not included. Such replacement or repair is warranted for the remainder of the original limited warranty period. Please locate the door serial number and written proof of purchase and contact EMCO Consumer Support at 1-800-933-3626. Warranty claims made one (1) year after purchase are subject to a flat processing fee.

“OOPS-PROOF” INSTALLATION LIMITED WARRANTY

EMCO Enterprises, Inc. (EMCO) warrants that any part lost or mis-cut during the original installation of your Andersen storm door will be repaired or replaced at no additional charge within ninety (90) days of the date of original purchase. This limited warranty will not apply if the part has been misused, abused or altered. Cutting parts not specified by the installation guide or mis-drilled parts are not included in this warranty.

In the event a part is lost or mis-cut within the limited warranty period, EMCO, at its option, will provide the appropriate replacement part – installation is not included. Please locate the door serial number and written proof of purchase and contact EMCO Consumer Support at 1-800-933-3626.

GENERAL LIMITED WARRANTY INFORMATION

The limited warranties set forth in this document are the only express warranties (whether written or oral) applicable to Andersen® storm doors, and no one is authorized to modify or expand these limited warranties. All warranty claims must be made during the applicable warranty periods.

ALL IMPLIED WARRANTIES INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE APPLICABLE STATUTE OF LIMITATION, BUT IN NO CASE WILL EXTEND BEYOND THE TERM OF THE LIMITED WARRANTIES SET FORTH ABOVE. EMCO EXCLUDES AND WILL NOT PAY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF CONTRACT, TORT OR OTHERWISE, AND ITS LIABILITY WILL IN ALL INSTANCES BE LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT.

Some states do not allow the exclusion of incidental and consequential damages, or limitation of the duration of an implied warranty, so the above limitations or exclusions may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights that may vary from state to state and in Canada.

What is NOT covered by this limited warranty: damage caused by 1) improper installation, maintenance, or use; 2) chemicals or airborne pollutants, such as salt or acid rain; 3) acts of God, including wind damage; 4) products not manufactured by EMCO

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