Installation Guide

for Andersen® LuminAire® Retractable Insect Screen Double Door

with SlideAway® Insect Screen System

Designed for 68" – 72" wide by 80" tall double hinged doors with suitable mounting surface.

For installation help please visit www.AndersenLuminAire.com/install





Please Do Not Return Product to Store!

PLEASE call the Storm Door Solution Center at 844-813-6664,

with any questions regarding installation, lost part replacement, or anything else related to your retractable insect screen purchase. Replacement parts can also be found at: parts.andersenstormdoors.com

Read this entire guide before you begin your installation. If your abilities do not match the requirements of this installation, contact an experienced contractor.



DOUBLE DOOR PARTS OVERVIEW

Your installation kit should contain the following parts.

- **Active Housing** (gray fastener clips on end caps)
- Passive Housing (labeled passive on end caps)
- **Screen Tracks** (top and bottom)
- 4 End Caps (attached to ends of housings)
- 5 Sill Adapter
- Orange Installation Clips
- 7 Shipping Plastic Wrap

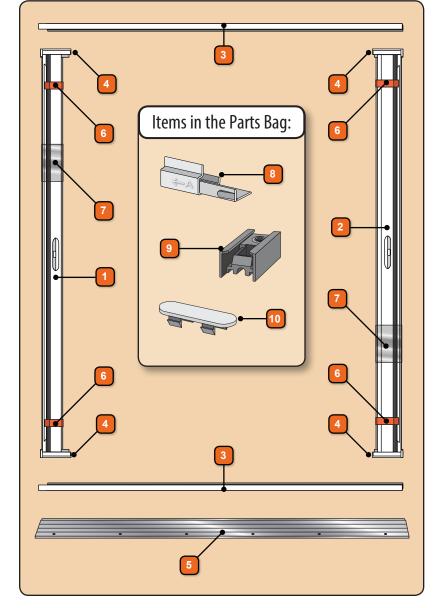
In the Parts Bag:

- 8 Track Extenders (qty 2)
- Track Stops (qty 2)
- 10 Slot Covers (qty 2)
- Not Shown: Screw Pack containing:
 - 1 inch #8 screws (qty 6)
 - ½ inch #8 self-tapping screws (qty 6)
 - #2 Phillips Bit
 - 1/8 inch Drill Bit
 - 3/32 inch Hex Wrench
 - Corner Pile (qty 2)

NOTE: The orange installation clips attached to the Housings provide product protection during shipping and installation. **DO NOT** extend the screens from the housings or remove installation clips until instructed.

NOTICE

To avoid product damage, be sure to place all parts of your retractable insect screen on a soft non-abrasive surface such as carpet, drop cloth placed on your lawn or cardboard.





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p/n 900900

SAFETY FIRST: Please read and follow all Cautions and Warnings in this guide.

WARNING

Follow manufacturers' instructions for hand and power tools. Always wear safety glasses. Failure to do so could result in injury, product or property damage.

WARNING

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. Heavier windows and doors will require mechanical assistance. Failure to do so could result in injury, product or property damage.

!CAUTION

Metal components of the retractable insect screen may become hot when exposed to sunlight.

IMPORTANT

The retractable insect screen is intended for reasonable insect control and not the retention of objects, persons, or pets within the interior. The retractable insect screen will not stop a person from falling through the door.

WARNING

Metal fasteners and components could corrode when exposed to preservative-treated or fire-retardent treated lumber. Use approved fasteners and components to fasten window or door. Failure to do so could cause a failure resulting in injury, product or property damage.

Fastener must attach to a structural framing member with a 1" minimum fastener embedment. Failure to do so could result in injury, product or property damage.

DO NOT remove screws that attached installation clips or gusset plates to window or door frames. Doing so could result in injury, product or property damage.



This is the Safety Alert Symbol used to alert you to potential injury hazards. Obey all safety messages that follow this symbol to avoid possilbe injury or death.

Signal Word and Consequence

COULDResult in:



Major Injury / Death **COULD**Result in:



Minor Injury

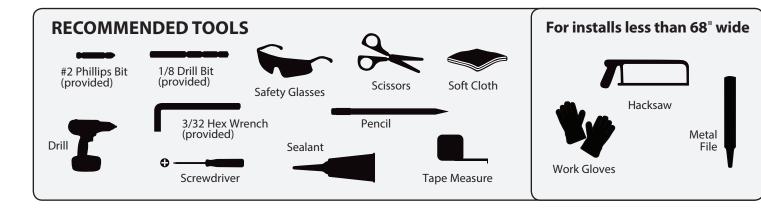
COULDResult in:

Product or Property Damage

NOTICE

IMPORTANT

Procedure and Product Information



MEASURE - VERIFY MOUNTING SURFACE REQUIREMENTS AND MEASURE DOOR OPENING

Verify that the exterior brickmould, trim board or casing (exterior trim) is firmly attached to the opening structure and is a material that is suitable to sufficiently fasten the retractable insect screen to the door opening. The performance of the retractable insect screen could be effected over time if it is not sufficiently fastened to the opening.

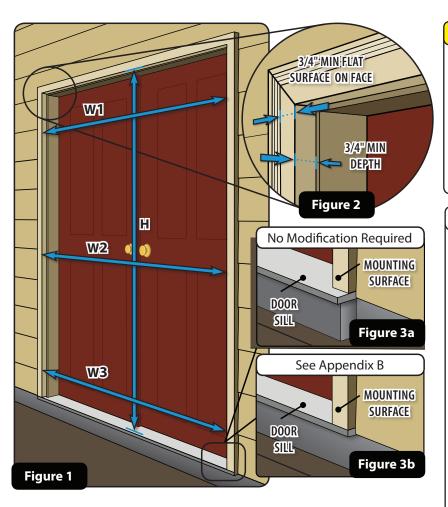
To install the retractable insect screen door, you must verify that the opening width, height and mounting surface are suitable size to properly install into the opening.

- 1. Measure the width at the top (W1), middle (W2), and bottom (W3) of the opening (see Figure 1). Measure from the inside of the exterior trim. Utilizing the narrowest width, reference chart below.
- 2. Measure the height at the center of the opening, from the bottom of the exterior trim at the top of opening down to the sill at the bottom of opening. Reference chart for height compliance.

Configuration Widths (Adjustable Width - Use for Step 1b)	Opening Widths (Configuration Ranges)
72 Configuration	70" – 72"
68 Configuration	68" – 69 ¹5⁄16"
See Appendix A (Pg. 10)	Less than 68"

Opening Heights		
80" (80" – 80 %")		
Also Available in		
78" (78"–78 %") or 84" (84"– 84 %")		

3. Make sure that the exterior trim meets the mounting surface requirements to accommodate the retractable insect screen assembly (see Figure 2). The assembly needs 3/4" flat surface on exterior trim face and 3/4" minimum depth of mounting surface.



!CAUTION

If the **Door Sill** doesn't extend past the **Mounting Surface** or does not have sufficient support, product damage, injury or both may occur.

- If the **Door Sill** extends past your exterior trim **Mounting Surface** and is supported, no modification is required (see Figure 3a).
- If the **Door Sill** is extended without support or not extended (see Figure 3b), you will need to add support blocking.

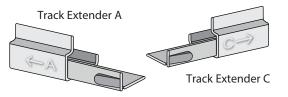
 See Appendix B (on page 10).

IMPORTANT

Track Extenders A and C

Not all openings require the use of Track Extenders. They are for reinforcing the screen assembly at the wider ranges of the configuration. The track extenders can not be used at narrower ranges of the configurations as screen interference will occur. Reference the chart below detailing when to use the screen extenders and when not to use them.

Opening Width	Configuration	Track Extender
71" – 72"	72" Config.	Yes - Needed
70" - 70 ¹5/16"	72" Config.	Not needed
69" - 69 ¹⁵ /16"	68" Config.	Yes - Needed
Less than 69"	68" Config.	Not needed



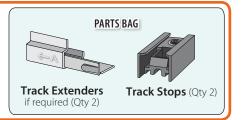
ASSEMBLE SCREEN TRACKS & HOUSINGS

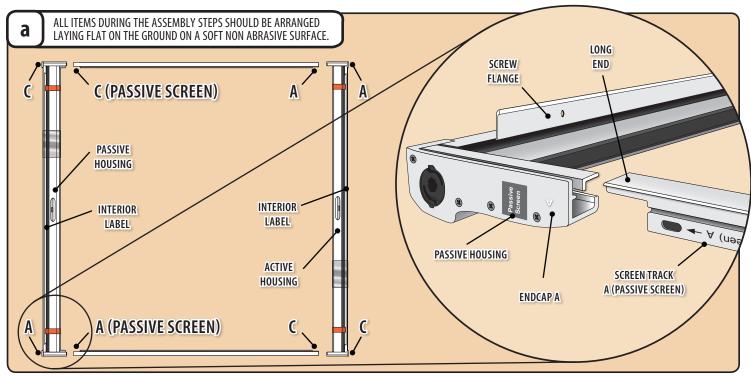




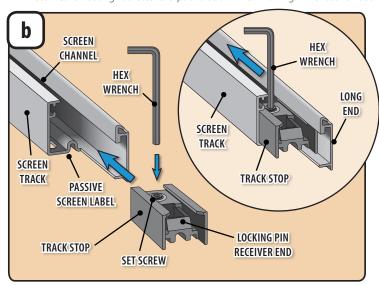
Tools Recommended:

3/32 Hex Wrench (provided)

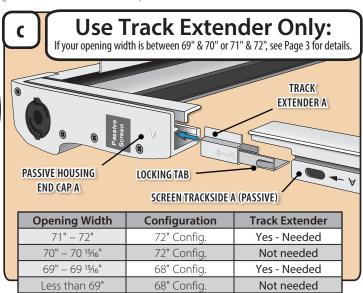




a1 Unpack both housings and screen tracks onto a non-abrasive surface, with the housing's side labeled **Interior** facing up. Leaving the screens in the retracted position, arrange the components so the letters marked on the **Screen Tracks** and the letters marked on the **Housing Endcaps** align (A to A, C to C, Passive A to Passive Screen A and Passive C to Passive Screen C). Screen Tracks should be orientated with **Long End** up, and labeled side facing out from the assembly. *Note: Active Housing has fastener clips and 68 & 72 inch markings. The Passive Housing is labeled PASSIVE on the end caps.*



- **b1** At the end of the **Screen Track** labeled (Passive Screen) A, rotate the **Screen Track** so labeled side is down and the **Screen Channel** is up.
- **b2** Insert Hex Wrench into the Set Screw in the Track Stop.
- **b3** Insert Track Stop into the Screen Track with the Hex Wrech so the Set Screw slides into Screen Channel first followed by Locking Pin Receiver end.
- b4 Slide the Track Stop to approximately the middle of the Screen Track.
 Tighten the Set Screw enough to prevent the Track Stop from moving.
- **b5** Repeat for **Screen Track** end labeled (Passive Screen) C. Rotate both screen tracks back to original position, so the long ends of **Screen Tracks** are up.



- **c1** If your opening width is between 69" and 70" or 71" and 72" you will need to insert the **Track Extenders** into the **Passive Housing End Caps**. If your opening does not fall into these ranges, skip to Step d.
- c2 Position the thicker end of the Track Extender A toward Passive Housing End Cap A with the Locking Tab toward the Screen Track.
- c3 Slide the Track Extender all the way into the Passive Housing End Cap A, and repeat these steps for side C.







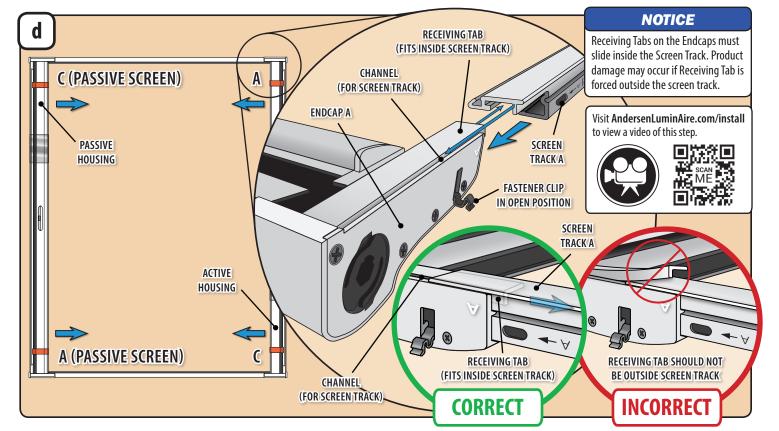




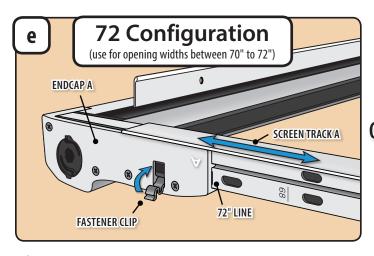
KEY REFERENCES

- Screw Flanges
- 2 Receiving Tabs
- 3 Letter Labels
- Fastener Clips
- Passive Label

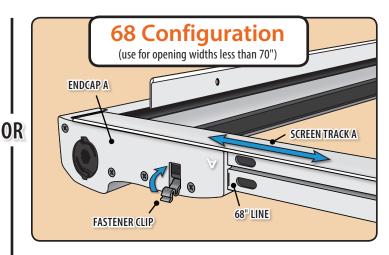




- d1 Confirm the Fastener Clips on Active Housing endcaps, A and C are in the open position. Starting at corner A on the Active Housing, slide the Receiving Tab on Endcap A inside the Screen Track. Ensure the Receiving Tab fits inside the Screen Track, and the Screen Track slides into the Channel. (see "correct" above). (Visit AndersenLuminAire.com/Install to view a video of this step.)
- **d2** Repeat for endcap C on the **Active Housing** and endcaps A and C on the **Passive Housing**. Be sure the screen tracks are all the way into the passive housing. (Note: The passive housing endcaps do not have Fasterner Clips, this allows the screen tracks to slide for adjustment to fit the door opening.)
- **d3** Use the "72 Configuration" for openings 70 72" wide or "68 Configuration" for openings less than 70" wide in step b. (If the opening is narrower than 68" wide, See Appendix A on page 10.)



- e1 If the opening is between 70" and 72", adjust Screen Track A until 72" line aligns with edge of Active Housing Endcap A.
- **e2** Rotate the **Fastener Clip** up until it snaps into the closed position.
- e3 Repeat steps for side C.



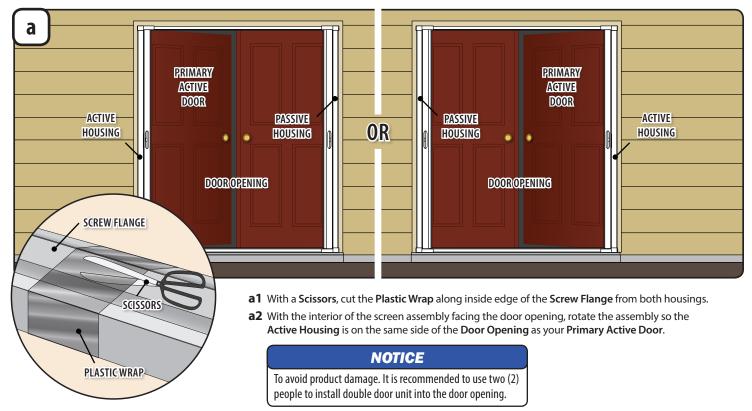
- e1 If the opening is less than 70", adjust Screen Track A until 68" line aligns with edge of Active Housing Endcap A.
- e2 Rotate the Fastener Clip up until it snaps into the closed position.
- e3 Repeat steps for side C.

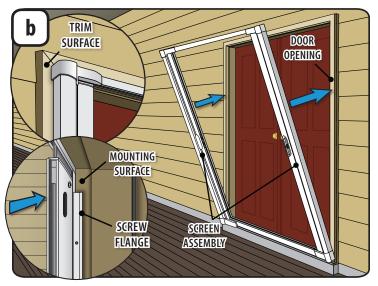
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PLACE, FASTEN ASSEMBLY INTO OPENING

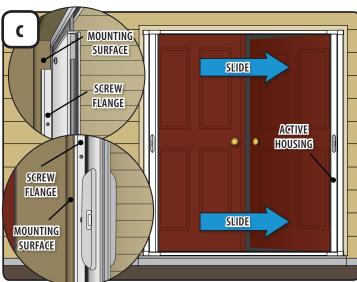
Tools Recommended:





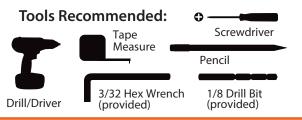


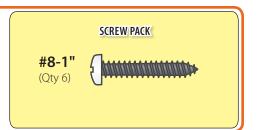
- **b1** The screen assembly will be narrower than your opening until fully expanded in the following steps.
- **b2** Start by placing the **Screen Assembly** onto the exterior **Trim Surface**, with the **Screw Flanges** extending into the **Door Opening**. Rest the bottom of the screen assembly onto your sill or support blocking.

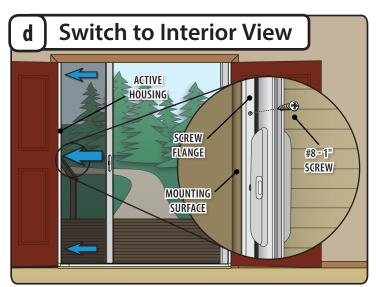


- c1 Slide the screen assembly in the door opening until the Active Housing side Screw Flange is on the Mounting Surface.
- c2 Verify the screen assembly is plum, level and square in the door opening and the Screen Housing side Screw Flange is tight to Mounting Surface.

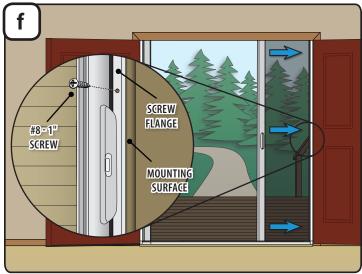
PLACE, FASTEN ASSEMBLY INTO OPENING Continued



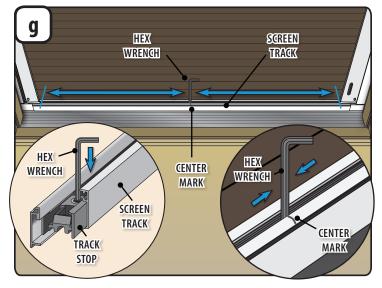




- MOUNTING SURFACE **EXPAND** SCREW FLANGE PASSIVE HOUSING SCREW FLANGE **EXPAND** MOUNTING SURFACE
- **d1** From the interior, while holding the **Active Housing** side **Screw Flange** tight to the Mounting Surface, extend the screen so it is clear of your drill/ driver. Orange installation clips can come off and be properly disposed of.
- **d2** With the 1/8" bit provided, predrill through the center hole of the Screw Flange (large arrow) into the Mounting Surface a maximum depth of 3/4".
- **d3** With one #8 1" screw, fasten Active Housing to the Mounting Surface. (Be careful not to overtighten)
- **d4** Repeat steps for top and bottom holes. (Being careful not to overtighten)
- **e1** Expand the screen assembly in the door opening until the Passive Housing side Screw Flange is on the Mounting Surface.
- **e2** Verify the screen assembly is plum, level and square in the door opening and the Passive Housing side Screw Flange is tight to Mounting Surface.



- **f1** From the interior, while holding the **Passive Housing** side **Screw Flange** tight to the Mounting Surface, extend the screen so it is clear of your drill/ driver. Orange installation clips can come off and be properly disposed of.
- **f2** With 1/8" bit provided, predrill through the three holes on the **Passive** Housing side Screw Flange into the Mounting Surface a maximum depth of 34".
- f3 With the three remaining #8 1" screws, fasten Passive Housing **to the Mounting Surface.** (Be careful not to over tighten)



- **q1** With a pencil and tape measure find the center of the opening and make a Center Mark on the lower and upper Screen Tracks.
- **g2** Insert the **Hex Wrench** into the **Track Stop**, positioned near the center of the Screen Track.
- **q3** Loosen the set screw just enough to move the **Track Stop**, and reposition it to the Center Mark on the Screen Track. Tighten the set screw in place.
- **q4** Repeat step for other Screen Track.

ADJUSTMENTS, **DUST PLUGS**, **PLACE & FASTEN SILL ADAPTER**

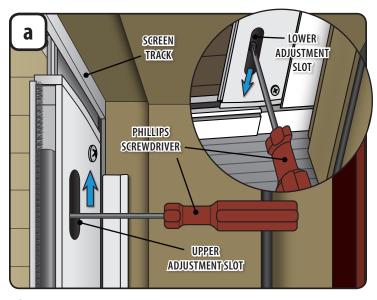
Tools Recommended:

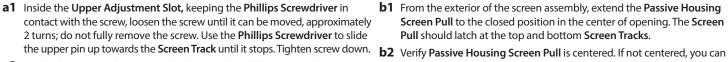
3/32 Hex Wrench (provided)



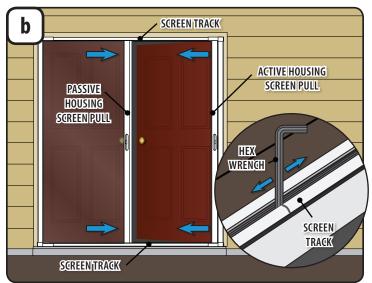




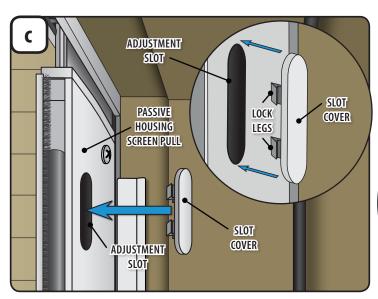




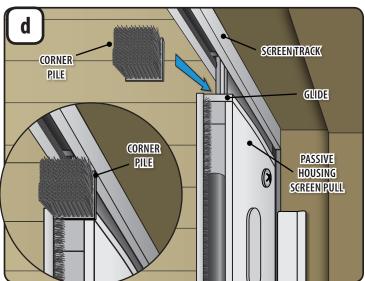




- **b1** From the exterior of the screen assembly, extend the **Passive Housing** Screen Pull to the closed position in the center of opening. The Screen Pull should latch at the top and bottom Screen Tracks.
- adjust the location of Passive Housing Screen Pull by repeating step 2g through 4g until the desired position is achieved.
- **b3** Once positioned, extend the Active Housing Screen Pull to the closed position, latching it into Passive Housing Screen Pull. If not done previously, the orange installation clips can come off and be properly disposed of.



- **c1** Once the track stops and locking pins have been adjusted and set, unlatch and open both screens.
- **c2** Insert a **Slot Cover** into the upper **Adjustment Slot** until the Lock Legs snap into place and it is firmly seated in place.
- c3 Repeat for the lower Adjustment Slot.



- **d1** Peel paper from back of **Corner Pile** and place at the top of the **Passive** Housing Screen Pull against the Glide and firmly press into place.
- d2 Repeat step for other end of the Passive Housing Screen Pull.





Tools Recommended:

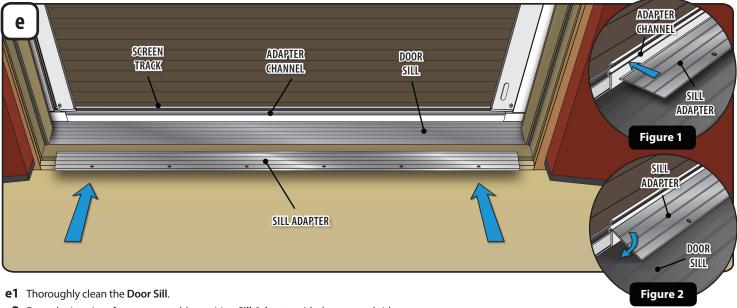
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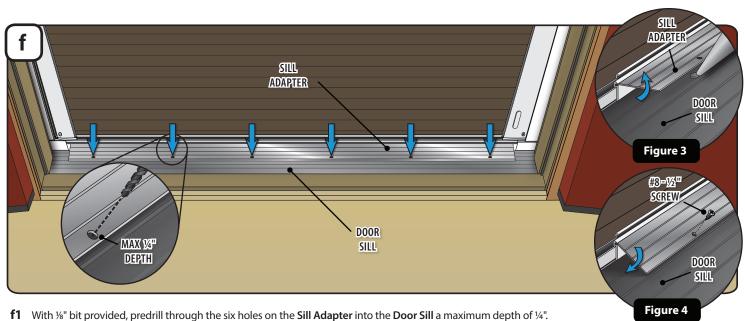


SCREW PACK



Drill/Driver

- **e2** From the interior of screen assembly, position **Sill Adapter** with the textured side up and screw holes in toward the interior of the home.
- e3 Insert edge of the Sill Adapter into the Adapter Channel located on the Screen Track (see Figure 1).
- **e4** Rotate the Sill Adapter down to the Door Sill (see Figure 2).
- **e5** Center the Sill Adapter in the door opening.*



- The vice of the provided prediction of the six holes on the six holes of t
- f2 Lift Sill Adapter and apply sealant into predrilled holes until sealant over-flows onto Door Sill surface. (see Figure 3)

 f2 Potato the Sill Adapter back down to the Door Sill and factor using six #8, 14" Salf Tapping Sergure Cleanup excess si
- Rotate the Sill Adapter back down to the Door Sill and fasten using six #8 ½" Self-Tapping Screws. Cleanup excess sealant. (see Figure 4)
 - * 66.5" sill adapter is designed to avoid the need for cutting during installation. If a wider sill adapter is preferred, visit parts.andersenstormdoors.com

APPENDIX - STEPS FOR NARROW OPENING AND SUPPORT BLOCKING FOR SILL (if required)

APPENDIX A

Narrow Opening

Modification for

Openings less

than 67 7/8" wide.







Tools Recommended:

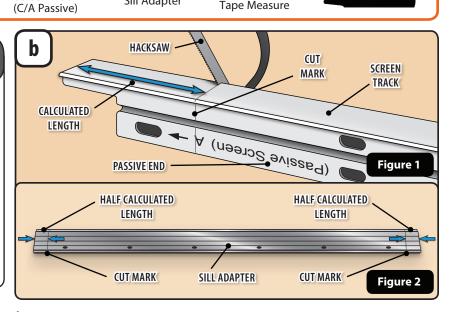
Work Gloves

Hacksaw

Metal File

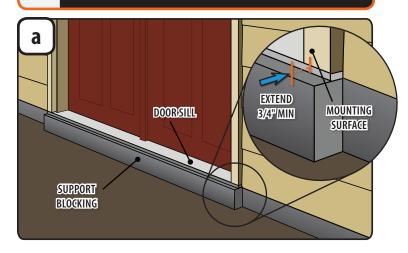
Tape Measure

a **EXAMPLE** W.1 (FOR STEP a3 BELOW) If opening width W1 = 65 %," W2 = 65 %," and W3 = 65 %." Take narrowest width = 65 1/2" **W2** and subtract from 69½ inches. $69 \frac{1}{2} - 65 \frac{1}{2} = 4$ inches The Calculated Length of material to cut off is 4 inches in this example. For sill adapter (step b3), use half the Calculated Length by dividing it by 2. $4 \div 2 = 2$ inches



- a1 To modify screen assembly to work in a Narrow Opening, the Screen Tracks and Sill Adapter need to be cut down.
- **a2** Measure door opening width at top (W1), middle (W2), and bottom (W3) from the inside of the exterior trim.
- **a3** Calculate Length of material to be cut off by taking the narrowest width from above and subtracting it from 69.½ inches (see Example above).
- **b1** Measure and mark from Passive End of the Screen Track the Calculated Length.
- **b2** With a **Hacksaw** make a clean square cut through the **Screen Track** at the **Cut Mark**. With a metal file, file down all sharp edges. Repeat steps for the other **Screen Track** at the **Passive End.** (see Figure 1).
- **b3** Measure and mark from each end of the **Sill Adapter** the **Halved Calculated Length** so equal amounts are removed from both sides (see Figure 2).
- **b4** With the **Hacksaw** make a clean square cut through the **Sill Adapter** on both ends at the **Cut Marks**. With a metal file, file down all sharp edges. Return to Measure on Page 2.

APPENDIX B – Support Blocking for Door Sill



- **a1** Choose **Support Blocking** the width of the **Door Sill** with enough depth to **Extend ¾" Minimum** out from the exterior trim **Mounting Surface**.
- **a2** Center the **Support Blocking** under the sill and make sure it is level and parallel to the sill. Confirm it **Extends** 3/4" **Minimum** from **Mounting Surface**.
- **a3** Properly secure **Support Blocking** below the **Sill**. Return to Measure on Page 2.

FREQUENTLY ASKED QUESTIONS - ANDERSEN® LUMINAIRE® RETRACTABLE INSECT SCREEN

1. How do I open and close the insect screen?

Use the **Handle** to extend insect screen to the center of door frame. It will automatically latch when fully extended. Slide the **Release Lever** up or down to unlatch, the insect screen will automatically retract (see Figure 1).

How do I lock and unlock the insect screen?

To lock the insect screen door, move the **Lock Tab** toward the screen assembly. To unlock, move the **Lock Tab** away from the screen assembly (see Figure 2).

3. What should I do to maintain my retractable insect screen door?

The screen tracks will need occasional vacuuming to remove dirt and debris. This will help keep the tracks clean and free of debris that may affect operation.

4. Can the fastener clips be opened if I closed them in the wrong position during installation?

You can open the fastener clip by applying downward pressure with a flat blade screwdriver until it releases open (see Figure 3).

5. Can replacement parts be purchased if something gets damaged on my door?

Parts can be purchased by visiting parts.andersenstormdoors.com or calling Customer Service at 844-813-6664. It is helpful to have your serial number when ordering parts. The serial number is located near Endcap A on your active screen housing.

6. What should I do with the unit in cold weather?

It is best for the unit to be stored in the retracted position during cold weather. We do not recommend operating when temperatures are near or below freezing.

7. Why is the sill adapter narrower than the door opening?

The length of the sill adapter is designed to cover the door pass through space while avoiding the need for cutting during installation. For wider door installations, a longer sill adapter is available for a fee at parts.andersenstormdoors.com or by calling Customer Service at 844-813-6664.

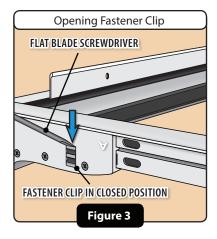
8. Is there a video available that will show me how to install and operate the door?

You can find a video of how to install and operate the retractable insect screen door at AndersenLuminAire.com/install









ANDERSEN® LUMINAIRE® RETRACTABLE SCREEN DOOR 5 YEAR LIMITED WARRANTY

LIMITED WARRANTY ON RETRACTABLE SCREEN DOOR COMPONENTS

Emco Enterprises LLC (Emco), an Andersen company, warrants the screen housing, latch housing, screen track, endcap and sill adapter components of the Andersen® LuminAire® retractable screen door to be free from defects in manufacturing, materials, paint adhesion, and workmanship, under normal conditions, for five (5) years from the date of purchase or as long as the original consumer purchaser owns the home in which the door was initially installed, whichever is shorter.

In the event a screen housing, latch housing, screen track, endcap or sill adapter 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, will at its option refund or provide a replacement screen housing, latch housing, screen track, end cap or sill adapter without charge – installation is not included. Such replacement is warranted for the remainder of the original limited warranty period. Please locate the door serial number and written proof of purchase then contact Emco Consumer Support at 1-844-813-6664.

NO OTHER WARRANTIES OR REPRESENTATIONS

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ALL WARRANTIES ARE LIMITED TO THE APPLICABLE STATUTE OF LIMITATIONS, BUT IN NO CASE WILL EXTEND BEYOND THE LIMITED WARRANTY PERIODS SPECIFIED ABOVE. EMCO EXCLUDES AND WILL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER ARISING OUT OF CONTRACT, TORT OR OTHERWISE. THE REMEDY OF REPLACEMENT OF THE PRODUCT PROVIDED BY THIS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY WITH RESPECT TO AND ANY AND ALL LOSS OR DAMAGE.

APPLICABLE LAW

This Limited Warranty is only applicable in the U.S.A. (i.e. the fifty states and the District of Columbia). This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state or province. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation of the duration of an implied warranty, so the above limitations or exclusions may not apply to you. If any specific term of this Limited Warranty is prohibited by any applicable law, it shall be null and void, but the remainder of this Limited Warranty shall remain in full force and effect.

WHAT IS NOT COVERED BY THIS LIMITED WARRANTY

Damage caused by:

- Improper installation (including failure to follow installation instructions), modification, maintenance, or use
- · Chemicals or airborne pollutants, such as salt or acid rain
- · Acts of God, including wind damage
- Accidents
- Normal wear and tear
- Products not manufactured by Emco

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