



**EASY
INSTALL**

RETRACTABLE INSECT SCREEN FOR WINDOWS

RetractableBugScreen™ - For Window Openings

- Unica Model Series (Vertical Pull-Down Retractable Window Screen with External Handles)
- with Patented SUNOX ANTI-BACTERIAL Screen



Easy To Install

WE MAKE IT EASY - CALL 1-407-450-5134
Live Assistance even SATURDAYS!
Monday - Saturday 9:00 a.m. - 6:00 p.m. EST or email ANYTIME:
customerservice@retractablebugscreen.com for assistance or to
request chat with a LIVE U.S. based representative.



WATCH THE INSTALLATION GUIDE VIDEO
SEE TIPS & GUIDANCE for EASY ASSEMBLY & INSTALLATION
Click link to view video
<https://www.youtube.com/watch?v=3v0fAe30kJQ&feature=youtu.be>



WARNING
CHOKING HAZARD - Small Parts
Not for children under 12 years of age.
ADULT assembly required.

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WE RECOMMEND that the INSTRUCTIONS be READ COMPLETELY BEFORE INSTALLATION and if possible the 10 minute INSTALLATION VIDEO be viewed at <https://youtu.be/3v0fAe30kJQ>

This Installation Guide has been Do-It-Yourself User tested and thoughtfully designed to provide you with a positive installation experience.

Need Help? Visit Retractablebugscreen.com or Call 1-407-450-5134 to talk to a live representative.

Dear Valued Customer,

Thank You for choosing an RBS Quality Retractable Bug Screen.

We are committed to ensuring your FULL satisfaction. We strive to earn your customer loyalty by fulfilling all your expectations for our product.

Should you have any assembly challenges, need troubleshooting help or have any questions, it will be our pleasure to provide assistance and help you build and enjoy our product.

Please contact us at 407-450-5134 for prompt LIVE assistance or at email: customerservice@retractablebugscreen.com

Sincerely,

Simone Bonini, President, RetractableBugScreen.com



EASY TO ASSEMBLE - REQUIRES JUST TWO CUTS



Installing your RBS Retractable Bug Screen is SIMPLE, follow the complete instructions in this guide or watch our **10 MINUTE EASY installation VIDEO**



The Assembly & Installation video is available on our website: retractablebugscreen.com under the How to Install tab or at this url: <https://youtu.be/3v0fAe30kJQ>

INSTRUCTIONS' GUIDE LEGEND



The BLUE thumbtack indicates an assembly or installation USEFUL TIP or GUIDELINE



The RED thumbtack indicates an IMPORTANT Installation ACTION TO FOLLOW in order to ensure installation success



The RED X icon indicates something that must NOT BE DONE.



The yellow caution icon indicates a potential pitfall to AVOID.



The RED Exclamation Icon indicates an IMPORTANT and CRITICAL point to pay careful attention to.



Installation Video has useful illustration of this step, viewing it will maximize your installation success.

"W" inches

"W" inches is the measured WIDTH of the inside Head Jamb of your window. For example if the inside Head Jamb width of your window is 39 inches wide, then "W" inches = "39" inches.

"H" inches

"H" inches is the measured HEIGHT of the inside Side Jamb of your window. For example, if the inside Side Jamb length/height of your window is 60 inches high, then "H" inches = "60" inches.



Alternative Installation Step possible - Please NOTE Alternative Installation Steps are NOT part of the required Installation process. Alternative Installation Steps are suggested for handypersons who may want to consider Alternative Installation Steps. If you choose to follow Alternative Installation Steps, please note the Regular Installation Step it substitutes and take care to not to do both the Alternative Installation Step and the Regular Installation Step it substitutes.

I. TOOLS REQUIRED



ASSEMBLE RECOMMENDED TOOLS

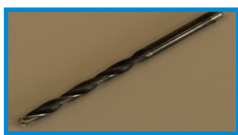
1. Drill



2. Metal File*



3. Drill Bits**



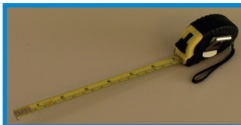
4. Pencil



5. Pliers



6. Measuring Tape



7. Handsaw



8. Cutter



9. Screwdriver (Phillips)



* NOTE: Metal File is optional yet handy for adjustments required by disparities caused by irregular or not level window sills or to file away metal irregularities or burrs.

** Use 5/32 in.(3.97mm) (drill bit for metal) Use 7/32 in.(5.56 mm) (drill bit for masonry)

II. PARTS & HARDWARE LIST

CAREFULLY REMOVE packaging from your RETRACTABLEBugScreen™, so as to be able to access all kit parts and components. Please refer to our 10 minute installation video to see how to best remove all packaging. <https://www.youtube.com/watch?v=3v0fAe30kJQ&feature=youtu.be>



Please ensure that all PARTS and HARDWARE are in the kit.

Use this PARTS & HARDWARE OVERVIEW to help you identify the kit parts.

Please open the RetractableBugScreen™ package - LAY OUT ALL PARTS INCLUDED IN THIS KIT.

The small white box contains the HARDWARE for this kit.



Parts and Hardware are listed as A, B, C, D, E, F, G, H, I, J, K, L and M.

The Parts and Hardware are listed in alphabetical order, to facilitate the assembly and installation of your Retractable Insect Screen.

The alphabetical ordering of parts and components is used, to provide an idea of when in the assembly and installation process you will need the parts and hardware.

As much as is possible the order of use of the Parts and Hardware has been related to the alphabetical order given the relevant part or hardware component.

For example, Part A1&A2 (The Header and the Pull Bar) are the first piece used in your RetractableBugScreen™ kit assembly and installation so they are listed as Part A1&A2, as they are used early in the assembly and installation process.





Large parts A (A1/A2) and J come in main box, remaining small components (B,C, D, E, F, G, H, I, K, L, M) are in a small white box labelled "HARDWARE."

Your RetractableBugScreen™ for Windows Kit contains the following parts:

1 x A (A1/A2)	Screen Cartridge Header and Pull Bar
2 x B	Handles
1 x C	Pull Cord
2 x D	Pull Bar End Caps
1 x E	Screen Cartridge LEFT End Cap (To replace TEMPORARY Left End Cap)
1 x F	Brake Mechanism
1 x G	Screen Cassette Header Screw (4 x 25 mm) (4 x .984 in.)
1 x H	Cone Spring
1 x I	Screen Cartridge Header RIGHT End Cap Add-On (To be placed ONTO factory installed PERMANENT End Cap)
2 x J	Lateral Insect Screen Side Tracks
1 x K	Reference Measuring Tape
2 x L	Lateral Track Insect Screen Stoppers (a LEFT and a RIGHT screen stopper)
8 x M	Screws & Anchors (4 x 35 mm) (4 x 1.37 in.)
1 x N	Glued Measuring Tape Template- Factory glued to top side of Screen Cartridge Header A(A1/A2)- Please note this is NOT a separate part, it is identified here to facilitate following Instruction Guide.
1 x O	Existing Permanent End Cap - Factory Installed and NOT to be tampered with or REMOVED - Please note this is NOT a separate part, it is identified here to facilitate following Instruction Guide.


III. PARTS IDENTIFICATION

 VERIFY THAT PARTS A (A1/A2) and J (pictured in **Figure: PARTS of Retractable Insect Screen**) are in your kit.

 Please note that A1 (Screen Cartridge Header) & A2 (Pull Bar) are **ONE PIECE**, already Factory assembled together. The Screen Cartridge Header & Pull Bar (A (A1/A2)) are identified as A1 and A2 in order to make instructions easier to follow. But **A1 and A2 are NOT separate parts they (A1 & A2) are ONE SINGLE UNIT (A) or one pre-assembled part.**

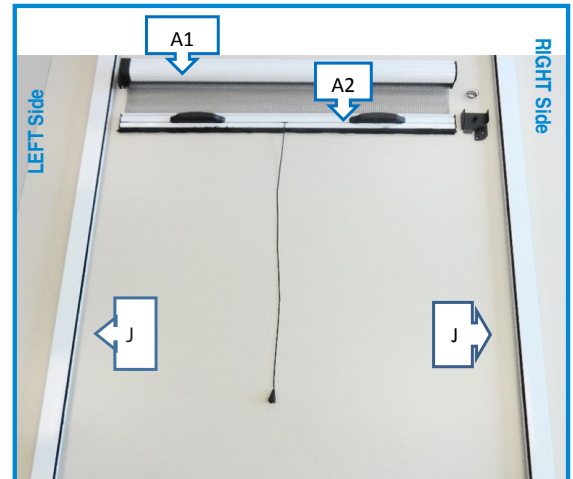
A2 (the Pull Bar) has already been **FACTORY INSTALLED** into A1 (The Screen Cartridge Header).

The 2 main different components of Part A; A1 and A2 are identified as A1 and A2 in instruction illustrations merely to make installation instructions of RetractableBugScreen™ easier to understand and successfully follow.

 Please note that an Existing Permanent End Cap (O) has been Factory Installed on the **RIGHT** side of the A1 component of Screen Cartridge Header (A). "O" is **NOT** a separate part.

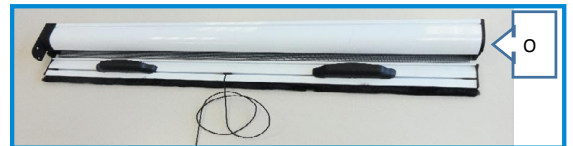
Part "O" is identified in the Parts and Hardware List in Section II and in Figure: Existing Permanent End Cap, because it important to know where the Existing Permanent End Cap (O) is, as it (O) must **NOT** be removed or tampered with in any way. The Existing Permanent End Cap (O) is precisely machine torsioned and tampering or removing the Existing Permanent End Cap (O) will break the unit.

Figure: PARTS of RetractableBugScreen™ TOP (When installed will fit into window's Head Jamb)



BOTTOM (When installed will rest on window Sill)

Figure: Existing Permanent End Cap "O"

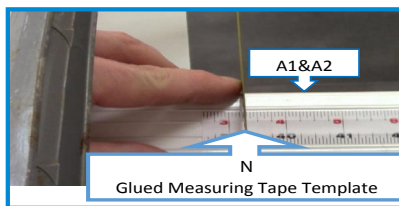


(Not a separate part; part O is factory installed).

IV. HARDWARE COMPONENTS & REFERENCE TOOL IDENTIFICATION

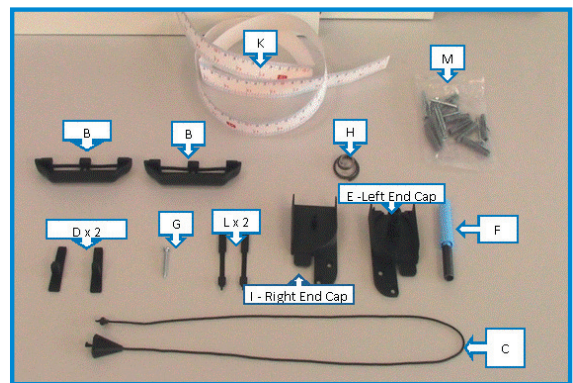
 VERIFY THAT PARTS B, C, D, E, F, G, H, I, K, L and M (pictured in Figure: **HARDWARE**) ARE ALL THERE*


Please note that a **Measuring Tape Template** is factory glued to the top side of Screen Cartridge Header A(A1/A2). This Glued **Measuring Tape Template** is referred to as component "N" in the Instruction Guide, so as to facilitate following Installation Guide instructions.



(Not a separate part; part N is factory glued/installed).

Figure: HARDWARE*



 **If you lose or misplace any of the component parts during installation **NO WORRIES** please contact our customer care service team at customerservice@retractablebugscreen.com or call us at 1-407-450-5134 and we will be happy to send you duplicate hardware components.*

V. PRE-ASSEMBLY and INSTALLATION PREPARATION

RETRACTABLEBugScreen™ (RBS) Unica Model Series - is designed for installation INSIDE of the window jamb, on either the interior or exterior side of the window.

It is easy to assemble, requiring just two cuts. **Please check your RBS KIT Model is correct size for your window opening.**

Various RBS kit models will accommodate window openings from 15 to 73 inches wide, to a maximum of 52 or 67 inches high depending on RBS kit model. Figure below provides a chart of the minimum and maximum size window openings the RBS Unica Model Series will cover.

Figure: Minimum and Maximum Cutting Widths & Lengths - RBS Unica Model (with external handles)

Model	SIZE		Width	Width	Height/Length	Height/Length	Measurement Range Model Fits In
	(Inches)	(Centimetres)	Minimum Inches (cm)	Maximum Inches	Minimum Inches	Maximum Inches	
UNICA A-7	23 x 52	58 x 132,1	19 in. (48,3 cm)	23 in. (58,4 cm)	28 in. (71,1 cm)	52 in. (132,1 cm)	FITS: 19" to 23" wide & 28" to 52" long.
UNICA A-8	31 x 67	78,7 x 170,2	27 in. (68,6 cm)	31 in. (78,7 cm)	28 in. (71,1 cm)	67 in. (170,2 cm)	FITS: 27" to 31" wide & 28" to 67" long.
UNICA A-9	39 X 67	99,1 x 170,2	31 in. (78,7 cm)	39 in. (99,1 cm)	28 in. (71,1 cm)	67 in. (170,2 cm)	FITS: 31" to 39" wide & 28" to 67" long.
UNICA A-10	47 x 67	119 x 170,2	39 in. (99,1 cm)	47 in. (119,4 cm)	28 in. (71,1 cm)	67 in. (170,2 cm)	FITS: 39" to 47" wide & 28" to 67" long.
UNICA A-11	55 x 67	140 x 170,2	47 in. (119,4 cm)	55 in. (139,7 cm)	28 in. (71,1 cm)	67 in. (170,2 cm)	FITS: 47" to 55" wide & 28" to 67" long.
UNICA A-12	73 x 67	185 x 170,2	55 in. (139,7 cm)	73 in. (185,4 cm)	28 in. (71,1 cm)	67 in. (170,2 cm)	FITS: 55" to 73" wide & 28" to 67" long.



CUTTING NOTES:

Please note that due to the length of the torsion spring inside of the Screen Cartridge Header A(A1/A2), the minimum window opening your Retractable Window Screen can be cut to fit to are as indicated above in Figure: Minimum and Maximum Cutting Widths & Lengths.

Normally models may be reduced by 8 inches from their original size, so for example Model A-9 is size 39 width x 67 height.

If you subtract 8 inches from the maximum size of 39, you arrive at minimum width of 31 (39-8=31) for model A-9.



DO NOT CUT ScreenCartridgeHeader A(A1/A2) to less than Width Minimum indicated above in **Figure: Minimum and Maximum Cutting Widths & Lengths**

If you need to install your retractable insect screen in an opening smaller than the minimums cited above or outside of your window jamb please contact us for additional instructions at 1-407-450-5134 or email us at customerservice@retractablebugscreen.com or visit our F.A.Q. section at www.retractablebugscreen.com.

BEFORE ASSEMBLY & INSTALLATION PLEASE NOTE the following preparatory tips and notes:

The RETRACTABLEBugScreen™, do it yourself retractable insect screen kit can be installed INSIDE your window's HEAD JAMB in FRONT of your window panes (in your home's interior).

OR The RETRACTABLEBugScreen™ can be installed INSIDE your window's HEAD JAMB BEHIND your window panes (in your home's exterior).



V.1. Decide whether you want to install your RETRACTABLEBugScreen™ in FRONT or BEHIND your window panes.



V.2. PLEASE ENSURE YOU HAVE 2 inches (5.08 cm) of space in the HEAD JAMB of your window, either behind or in front of your window pane, as per your installation preference. Those two inches (5.08 cm) of space are the space that is required within your window's HEAD JAMB as the space you will install the RETRACTABLEBugScreen™, into.

You will need 2 inches of space (5.08 cm) in the HEAD JAMB to install the Screen Cartridge Header A(A1/A2) into, so make sure you have that space available before you start this project.




If you DO NOT have the 2 inches (5.08 cm) of space in your HEAD JAMB you need to install the Screen Cartridge Header A(A1/A2), you can still install the retractable insect screen, however you will need an alternate installation accessory kit, such as our Frontal Installation accessory kit available by contacting us at; customerservice@retractablebugscreen.com or call us at 1-407-450-5134


V.3. CAREFULLY REMOVE packaging from your RETRACTABLEBugScreen™, so as to be able to access all kit parts and components. Please refer to our 10 minute installation video to see how to best remove all packaging.

<https://www.youtube.com/watch?v=3v0fAe30kJQ&feature=youtu.be>


Ensure you have all parts and hardware components identified in Section III and Section IV of this guide.

 **V.4. It is important to understand which side is the RIGHT side of the HEADER, so as to correctly follow the installation instructions. To clarify which side of the HEADER is considered RIGHT and which is considered LEFT in the instructions, please PLACE the HEADER Part A FACE UP as illustrated in Figure: PARTS, of RetractableBugScreen™ shown in section III of this Instruction Guide.**

That means that the curved frontal part of Screen Cartridge Header (A) will be facing you the do-it-yourselfer or installer.

 **V.5. An Existing Permanent End Cap (O) has been Factory installed on the RIGHT side of the Screen Cartridge Header (A1) DO NOT REMOVE or tamper with the aforementioned permanent RIGHT End Cap (O). (On the RIGHT side of the Screen Cartridge Header (A1)**

The factory installed PERMANENT End Cap (O) is linked to the retractable screen mechanism and precisely torsioned so it is important NOT to tamper with the PERMANENT End Cap.


 **DO NOT unscrew or tamper with either of the two Phillips head screws on the RIGHT side of the Screen Cartridge HEADER (A1) on the aforementioned Factory installed PERMANENT End Cap (O). This is what a Phillips Head screw tip looks like:**



 It is important NOT to tamper with the Permanent End Cap or the Phillips head screws on the RIGHT side of Screen Cartridge Header as the screen mechanism is precisely machine torsioned within the Screen Cartridge Header (A1).

Tampering with the aforementioned Permanent End Cap on Right side of Header (A) or tampering with Phillips Head screws on the RIGHT side of the Screen Cartridge HEADER (A1) will BREAK the unit.


 The UNIT will NOT function if the Phillips Head Screws on the RIGHT side of the Screen Cartridge Header are unscrewed or tampered with!

 The RIGHT side of the Screen Cartridge Header (A1) can be identified as the RIGHT side by the differentiation that the RIGHT SIDE has:

- i) A PERMANENT END CAP with TWO Phillips Screws. Right side is only side with 2 Phillips screws
 - ii) The Right Side of Header A(A1/A2) does NOT have the Glued Measuring Tape Reference Guide (N) adhered to it's side. Only the LEFT side of the Screen Cartridge Header (A1) has a reference measuring tape adhered to it as only the LEFT side of the Screen Cartridge Header (A1) will be cut and thus it is the only side that needs a reference measuring tape.
- Please note the right side of the header is the side that will NOT be cut.

V.6. To maintain the alignment of the mechanisms IN TRANSIT, a temporary end cap is placed on the LEFT end of the Screen Cartridge Header (A1).

The TEMPORARY Left End Cap will be removed by you and replaced with HARDWARE component (E) in Step 1.3.2.. of the assembly.

 The factory installed End Caps MAY have become slightly displaced in transit. If this occurred firmly push the factory installed End Caps FIRMLY back into place.

In order to protect the functionality of the retractable screen mechanism please ensure the factory installed End Caps are securely attached to the Screen Cartridge Header (A1) before you start to assemble the product and BEFORE pulling on the Pull Bar (A2).

VI. ASSEMBLY & INSTALLATION OVERVIEW

In order to install this Retractable Insect Screen for your Window you execute 3 main steps:

- 1 MEASURE AND CUT THE MOSQUITO SCREEN HEADER**
Measure the width of window opening HORIZONTALLY; also known as the window's HEAD JAMB width.

Cut the Mosquito Screen Header (A) as per DETAILED Step 1 instructions in Section VIII of this Installation Guide (NOTE that allocations for WIDTH of Header End Caps (I) and (E) is pre-calculated into the Measuring Tape Template (N) ADHERED to the top of Screen Cartridge Header (A).)
- 2 MEASURE AND CUT the LATERAL SIDE TRACKS**
Measure the length of the window opening VERTICALLY; also known as the window's JAMB (Side Jamb) length.

Cut Lateral Insect Screen Tracks (J) as per DETAILED Step 2 instructions in Section VIII of this Installation Guide. (NOTE that allocations for the LENGTH of Head Screen Cartridge (A) is pre-calculated into enclosed Paper Measuring Tape (K).)
- 3 AFFIX HEADER (A) and LATERAL TRACKS (J) into WINDOW**
Using enclosed screws affix Retractable Insect Screen to sides of your window opening.

PLEASE READ the detailed INSTRUCTIONS in this Installation Guide COMPLETELY BEFORE INSTALLATION and if possible VIEW the 10 Minute INSTALLATION VIDEO at <https://youtu.be/3v0fAe30kJQ>
We user tested the Installation Guide and designed Instructions so as to maximize the ease of installation, please READ INSTRUCTIONS COMPLETELY.




VII. QUICK START GUIDE (For experienced handyperson)

The Quick Install Guide is intended as overview for experienced handypersons. Please see Section VIII 's DETAILED INSTRUCTIONS for more thorough installation detail.

STEP 1: MEASURING AND PREPARING THE MOSQUITO SCREEN HEADER

STEP 1.1. Measure the width the INSIDE HEAD JAMB

MEASURE

-  Use your household tape to Measure the width of the inside jamb of your window at the Head Jamb level. See Figure 1A and 1B.
-  Record the measurement you took in Step 1.1. as the window Head Jamb opening width = W inches. The measurement you note (W inches) will be used as a reference of where to cut when cutting the Screen Cartridge Header and Pull Bar (A1/A2).
-  Write the window's Head Jamb opening WIDTH measurement in Box W to the right for easy reference.

The parts of a window you will need to know are illustrated in Figure: Parts of a Window. Identify your Window's; HEAD JAMB, JAMB (Side Jamb) and SILL

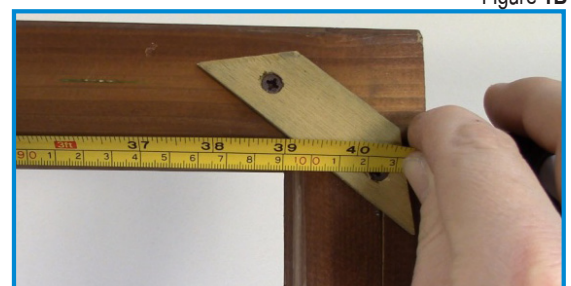
Figure: PARTS OF A WINDOW



Figure 1A



Figure 1B



BOX W
Cut at "W" =

ALIGN

STEP 1.2. Align Screen Cartridge Header (A1) and Screen Pull Bar (A2) and Cut at your pre-measured "Width" inches mark.

1.2.1. Ensure that the Screen Cartridge Header (A1) and Screen Pull Bar (A2) are aligned so they can be cut evenly at the same time. so as to be able to cut them both evenly at the same time. (See Figure: 1.2A)

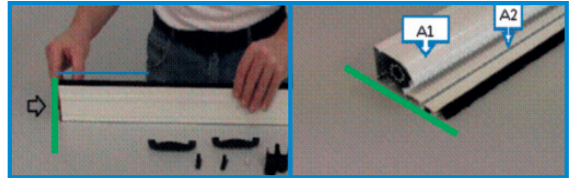


Figure 1.2A

MARK

1.2.2. On the Screen Cartridge Header (A1) you will find a Glued Measuring Tape Template (N) pre-adhered to the Screen Cartridge Header (A1). (See Figure:1.2B) MARK the Measuring Tape Template on the Screen Cartridge Header (A1) at "W inches" (the window's Head Jamb opening WIDTH measurement determined and recorded in Box W in Step 1.1. above).

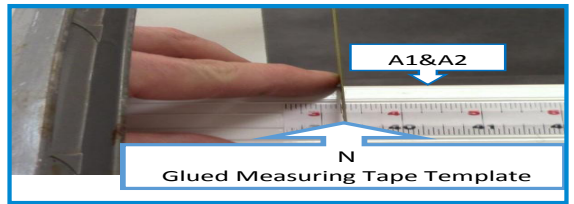


Figure 1.2B

CUT

1.2.3. CUT the Screen Cartridge Header (A1) and Screen Pull Bar (A2) contemporaneously AT the "W inches" width you determined as the Head Jamb WIDTH in Step 1.1. CUT at "W" ON the Measuring Tape Template (N) glued onto the Screen Cartridge Header (A1).

BOX W

"W"= where to cut

DO NOT use YOUR household measuring tape to determine where to cut on the Screen Cartridge Header A(A1/A2). ONLY use YOUR household measuring tape to MEASURE the Head Jamb in Step 1.1. above NOT to cut here in Step 1.2. Use the numbers on Glued Measuring Tape Template (N) to identify where to cut the Screen Cartridge Header A(A1/A2)

STEP 1.3. Completing Preparation of Screen Cartridge Header - Install Permanent End Cap - Add Finishing Hardware Components

1.3.1. Remove or file away any burrs and scrap resulting from the cutting.

1.3.2. If you have cut the Left End of the Screen Cartridge Header (A1) the temporary end cap will have fallen off along with the portion of the Screen Cartridge Header (A1) that was cut off, if the Screen Cartridge Header was the correct size and you did NOT have to cut, then please REMOVE the TEMPORARY Left End Cap at this time.

To maintain the alignment of the mechanisms IN TRANSIT, the temporary end cap is placed on the Left end of the Screen Cartridge Header A (A1/A2) at the Factory. After you have removed the TEMPORARY Left End Cap please replace it with part (E) so as to minimize the displacement of the precisely torsioned spring inside Screen Cartridge Header A(A1/A2) as you complete your assembly and installation.

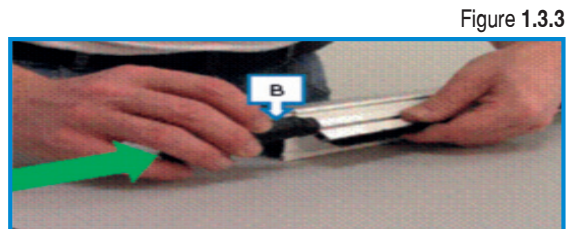


Figure 1.3.3

1.3.3. Insert one of the Handles (B) in the appropriate slit channel opening in the Screen Cartridge Pull Bar (A2) (See Figure: 1.3.3.) and slide Handle (B) to the right until Handle (B) is positioned where it will be comfortable for you to use (when you pull the Pull Bar (A2), down or up). Note the handle spacing will REMAIN adjustable throughout the life of the product so note that you will be ABLE to change the handle spacing at whim.

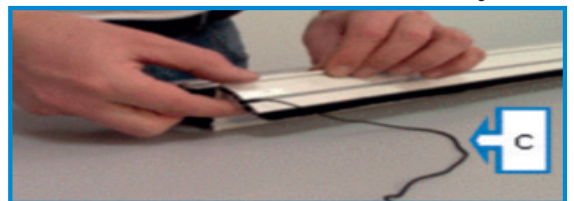


Figure 1.3.6A

1.3.4. Insert the Pull Cord (C) in the appropriate slit channel opening in the Screen Cartridge Pull Bar (A2) and slide Pull Cord (C) to the center of the Screen Cartridge Pull Bar (A2). (See Figure 1.3.4.)



Figure 1.3.6B

1.3.5. Insert the second Handle (B) into the appropriate slit channel opening in the Screen Cartridge Pull Bar (A2) and slide until second Handle (B) is positioned left of center to where it will be comfortable for you to use.

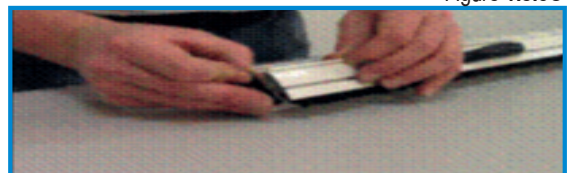


Figure 1.3.6C

- 1.3.6. Take the 2 x (D) (Pull Bar End Caps) parts which are still attached by plastic to distinguish the right and left parts.
Push the Left Pull Bar End Cap (D) into the end of the Pull Bar (A2). (See Figures: 1.3.6A, 1.3.6B and 1.3.6C)



The Installation Video clearly shows how to separate the 2 Pull Bar End Caps (D), cleanly. You can view it in Section 1 of the Installation Video: MEASURING AND PREPARING THE MOSQUITO SCREEN HEADER at url: <https://www.youtube.com/watch?v=3v0fAe30kJQ&feature=youtu.be>

- 1.3.7. Push the second remaining Right Pull Bar End Cap (D) into the other end of the Pull Bar (A2) (See Figure 1.3.7A)



The Pull Bar End Caps (D) once inserted should stay on the Pull Bar (A2) If the End Caps should slip off the Pull Bar you can secure them onto the Pull Bar ends by using the pliers to pinch the Pull Bar channel so as to lightly crush the channel against the Pull Bar End Cap (D)



(See Figures 1.3.7B and 1.3.7C Alternatively you can carefully insert a small rectangle of scotch tape or a dab of glue to adhere the Pull Bar End Cap (D) to the Pull Bar (A1) ends.

Any small scratch caused by the pinching will not show as ultimately the Pull Bar End Cap portion will be hidden by the Side Insect Screen Track it will be inserted into. (See Figures 1.3.7B and 1.3.7D)

- 1.3.8. Pick up the Screen Cartridge LEFT End Cap (E) and the Brake Mechanism (F) in the hardware component box.

- Insert the Brake Mechanism (F) onto the Screen Cartridge LEFT End Cap (E) by inserting the Brake Mechanism (F) on the protruding round post in the Screen Cartridge LEFT End Cap (E).

- Rotate the Brake Mechanism (F) onto the post in the Screen Cartridge LEFT End Cap (E) while applying a slight push pressure on the Brake Mechanism's (F) spring. (See Figure 1.3.8A)

- Insert the Screen Cartridge LEFT End Cap/Brake Mechanism (E/F) unit you have created, into the slotted cavity of the Screen Cartridge Header (A1). (See Figure 1.3.8B)

- 1.3.9. Secure the Cartridge LEFT End cap/Brake Mechanism (E/F) unit to the Screen Cartridge Header (A1) by screwing the included Screen Cartridge Header Screw (G) into the Screen Cartridge Header (A1). (See Figure 1.3.9A)



If you have difficulty pushing the End Cap into the channel ensure that the End Cap insertion channel clip is clear of any plastic debris with a cutter blade. This will enable the End Cap to ease into the Screen Cartridge Header's channel. When you are finished the Left End Cap should appear as in Figure 1.3.9B.

- 1.3.10. Get Cone Spring (H) and Screen Cartridge RIGHT End Cap Add-On (I). Position LARGE side of Cone Spring (H) to face the Screen Cartridge Header (A1) AND with Cone Spring's (H) small side against Screen Cartridge RIGHT End Cap Add-On (I). (See Figure 1.3.10A and 1.3.10B)

There is a round protruding plastic post in Screen Cartridge RIGHT End Cap Add-on (I) insert the center of the small side of the Cone Spring (H) onto that post. (See Figure 1.3.10A and 1.3.10B)



Please NOTE that the Cone Spring (H) part is a LOOSE part it is NOT meant to secure firmly onto the post.

Figure 1.3.7A

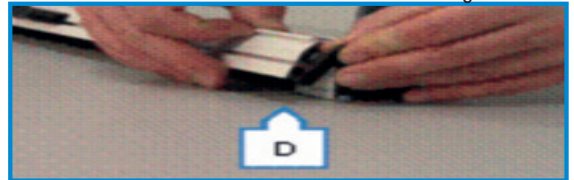


Figure 1.3.7B



Figure 1.3.7C

Figure 1.3.7D

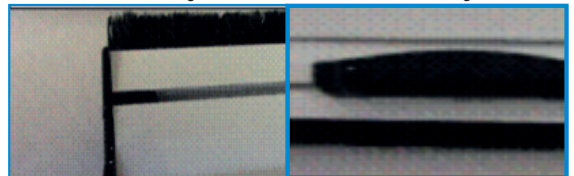


Figure 1.3.8A

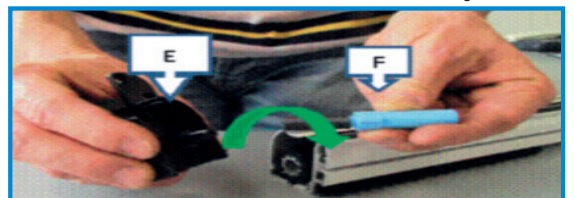


Figure 1.3.8B

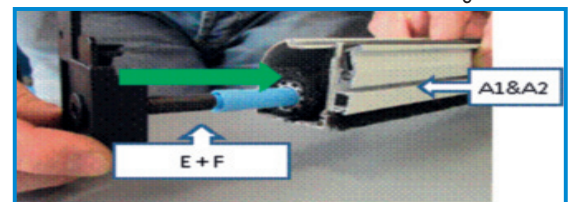


Figure 1.3.9A



Figure 1.3.9B



Figure 1.3.10A

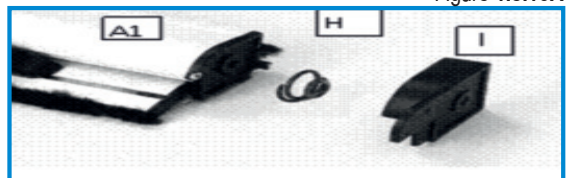
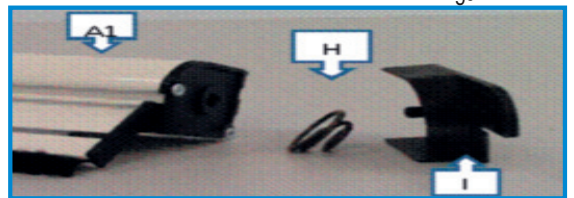


Figure 1.3.10B



The Cone Spring (H) is intended to remain loose, as the function of the Cone Spring (H) is merely to provide leeway and give for the End Cap of the Screen Cartridge Header, as the End Cap and the Cone Spring (H) work together to provide a flexible give and take for the Screen Cartridge Header (A1) when the Screen Cartridge Header (A1) is inserted in the upper recess of the Window jamb.

With Cone Spring (H) positioned as described in Step 1.3.10 and seen in Figure 1.3.10C, slip the Cone Spring (H) and the Screen Cartridge Header's Right End Cap Add-on (I) onto the Screen Cartridge Header (A1). Push in firmly. When you finish adding on the RIGHT End Cap to the factory installed Permanent End Cap your Right End Cap should look like Figure 1.3.10D

Figure 1.3.10C

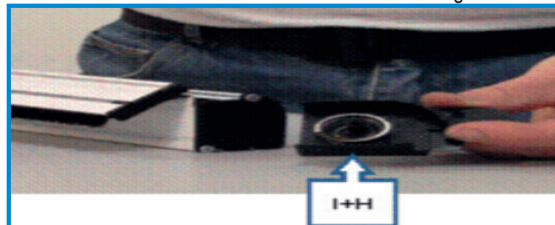


Figure 1.3.10D



STEP 2: MEASURING AND PREPARING the LATERAL SIDE TRACKS

STEP 2.1. Measure the HEIGHT of the INSIDE SIDE JAMB

MEASURE

Measure the INSIDE SIDE JAMB height (height of the window opening) as pictured in Figure 2.1A and 2.1B. Measure both the LEFT and the RIGHT window opening height as not all Sills will be level. In order to be precise in your cutting we recommend you note both measurements and ensure they are equal.

Write the window's INSIDE JAMB HEIGHT measurement in the box H to the right for easy reference.

In Step 2.1.4. below you use this "H" inches measurement for reference when cutting the Lateral Insect Screen Tracks (J)

Figure 2.1A

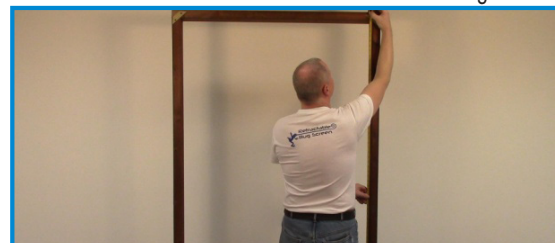
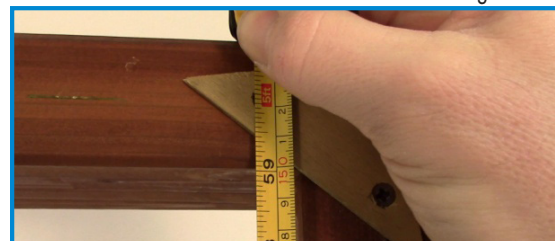


Figure 2.1B



STEP 2.2. Align Lateral Insect Screen Side Tracks (J) and Cut at your pre-measured "Height" inches mark.

ALIGN

2.2.1. Take the two Lateral Insect Screen Side Tracks (J), held together by their protective packaging. REMOVE the packaging. Separate the Lateral Insect Screen Side Tracks (J) and align them evenly, keeping the brushweatherstrips centered. Ensure both Lateral Insect Screen Side Tracks (J) are ALIGNED. See Figure 2.2.1A

Lateral Insect Screen Side Tracks (J) are about 65 inches long. The black brushweatherstrip at about 63 inches long, is SHORTER than the Lateral Insect Screen Side Track (J) because in addition to the black brushweatherstrip, the Lateral Insect Screen Track (J) must ALSO accommodate a Lateral Track Insect Screen Stopper (L).

Ensure that the black brushweatherstrips inside the Lateral Insect Screen Track (J) are all 4 aligned at one end, leaving the other end of the Lateral Insect Screen Track **without** any brushweatherstrips for the last approximately 2 inches (5 cm.) of the Lateral Insect Screen Track (J). See Figure 2.2.1B. (Those last 2 inches will accommodate the Lateral Insect Screen Stoppers (L) inserted by you in Step 2.4.3. below) The side of the Lateral Insect Screen Tracks (J) that has **NO brushweatherstrip** will become the bottom of the retractable insect screen frame and rest on your window sill when the installation is complete.

BOX H
H =

Figure 2.2.1A

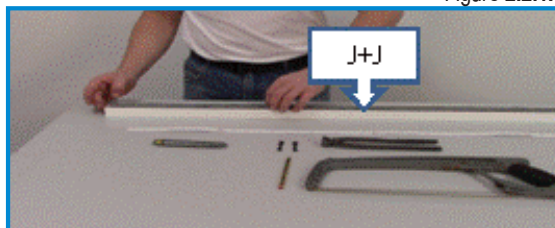


Figure 2.2.1B



- 2.2.2. Unroll the enclosed paper Measuring Tape (K) and place its 67 inch mark at the top extremity of the Lateral Insect Screen Track (J) WITH the black brushweatherstrip. (See Figure 2.2.2A, and right side of Figure 2.2.2B)

Fold the remaining 1/4 inch of tape so it falls down the top extremity side of Lateral Insect Screen Track (J). See Figure 2.2.1B.



Unica A-7 Modification: USE this modification ONLY for Model Unica A-7.



For model Unica A-7 which is only 52 inches long, unroll the enclosed paper Measuring Tape (K) and place tape (K) with its 52 inch mark at the top extremity of the Lateral Insect Screen Track (J) WITH the black brushweatherstrip.

Fold the remaining 10 and 1/4 inch of tape (K) so it falls down the top extremity side of Lateral Insect Screen Track (J) as shown in Figure 2.2.2B.

Figure 2.2.2A

Figure 2.2.2B



MARK



2.2.3. Retrieve the measurement you recorded in Box H in Step 2.1 above; as Inside Side Jamb Height (window opening height) = H inches. MARK the enclosed Measuring Tape (K) at “H inches” (the window opening height measurement determined in Step 2.1. above.) **At this point the Measuring Tape (K) should be still unrolled atop Lateral Insect Screen Tracks (J) so you can mark the cutting point on Measuring Tape K, and then transcribe/mark the cutting point on the Lateral Insect Screen Tracks (J) so you can cut at Mark “H” inches ON the Lateral Insect Screen Tracks (J).**

CUT



2.2.4. CUT both Lateral Insect Screen Tracks (J and J) **at the same time**, at the “H inches” height you determined in Step 2.1. as the **INSIDE SIDE JAMB HEIGHT** (window opening HEIGHT). (See Figure 2.2.4.)

Figure 2.2.4



STEP 2.3. Drill Holes into Lateral Insect Screen Tracks for Attachment to Window Side Walls.



2.3.1. Unroll your measuring tape on one of the Lateral Insect Screen Tracks (J) and using the measuring tape as a guide, MARK the Side Insect Screen Track (J) about 4 inches (10 cm) from the end. (See Figure 2.3.1.)

Repeat the steps in 2.3.1. for the second Lateral Insect Screen Track (J)



2.3.2. Drill a hole with a 5/32 in.(3.97mm) drill bit where you marked. (See Figure 2.3.2.)

Repeat the steps in 2.3.2. for the second Lateral Insect Screen Track (J)



If the height or installation conditions require it additional holes can be drilled into the Side Insect Screen Tracks (J) by subdividing the distance between the two previously drilled holes by half.

Figure 2.3.1

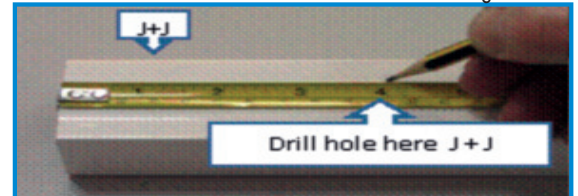


Figure 2.3.2



STEP 2.4. Prepare and Secure Black Brushweatherstrips.



2.4.1. As detailed in Section 2.2.1. above, please ensure that the brushweatherstrips inside the Lateral Insect Screen Track (J) are STILL all 4 aligned at one end, leaving the other end of the Lateral Insect Screen Track without any brushweatherstrips for the last approximately 2 inches (5 cm.) of the Lateral Insect Screen Track (J). (Those last 2 inches will accommodate the Side Insect Screen Stoppers (L) inserted by you in Step 2.4.2. below). The side of the Lateral Insect Screen Tracks (J) that has NO brushweatherstrip will become the bottom of retractable insect screen frame structure resting on the window Sill.



2.4.2. With pliers pinch both ends of the Lateral Insect Screen Tracks (J) where the brushweatherstrip lies. (See Figure 2.4.2.)

You **MUST** pinch the small metal channel that holds the brushweatherstrip, against the brushweatherstrips in such a way as to secure the brushweatherstrips and **PREVENT** them from moving. The brushweatherstrips must **NOT** move in future, for if they do they will entangle themselves in the Screen Cartridge Header's mechanism and cause the mechanism to stop functioning. The pinching in this step is **CRITICAL** to the functioning of the mechanism as it will immobilize and secure the brushweatherstrips.



Figure 2.4.2



2.4.3. Insert Lateral Insect Screen Track Stoppers (L) inside the apposite insertion channels found in the Lateral Insect Screen Tracks (J) (See Figure 2.4.3.) Please note you will be placing the Stopper (L) in the LEFT channel of the LEFT Side Insect Screen Track and the second Stopper (L) in the Right channel of the RIGHT Side Insect Screen Track.

Note that the pointed tip of the Lateral Insect Screen Track Stoppers should be inserted tip side first into the channel.

The protruding tip part of the Screen Track Stopper (L) should be facing the interior of the window opening, that is; facing the Lateral Insect Screen Track or Side Jamb on the opposite side of the window opening.

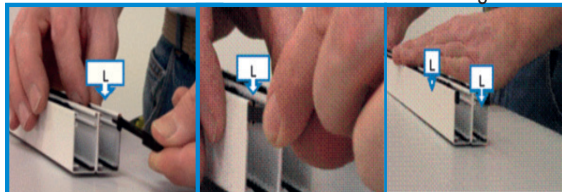


Figure 2.4.3

STEP 3.1. INSTALLING the HEADER and LATERAL TRACKS into WINDOW



3.1.1. Insert the Screen Cartridge Header (A1) into the top of the window opening by first inserting the side without the Cone Spring (H) into the top of the window opening and then pushing the other side into position while exerting lateral pressure against the Screen Cartridge Header (A1) until the Screen Cartridge Header (A) is seated into position. (See Figure 3.1)



Figure 3.1

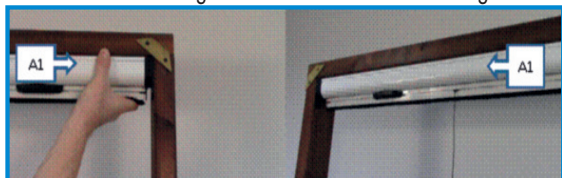


Ensure that the Screen Cartridge Header (A1) is correctly and securely inserted within the wall opening. (See Figure 3.1A)

Figure 3.1A

Ensure that The Screen Cartridge Header (A1) is parallel to the window jamb corner and IN contact with the top of the HEAD JAMB (top of window beam). (See Figure 3.1B)

Figure 3.1B



Using the included screws (M) affix the Screen Cartridge Header (A1) to the wall or window opening, by drilling screws (M) through the corresponding holes in the Screen Cartridge End Caps (E & I) and into the wall. (See Figure 3.1C)

Figure 3.1C



Drilling the Retractable Insect Screen Screen Tracks into the wall will make the Retractable Insect Screen more secure and is required for installations as drilling secures the Retractable Insect Screen firmly making the Insect Screen safer. Additionally, this securing of the Insect Screen allows for smoother operation of the screen over time as the insect screen rises and lowers in the Side Insect Screen Tracks. This smooth operation facilitated by firm adherence to the wall it has been drilled into will **PREVENT** operational problems in the future.



Note: To affix to cement walls or to other wall structures requiring Wall Anchors, mark hole positions on the wall that correspond to the pre-drilled holes in the plastic Screen Header End Caps. Move the Screen Cartridge Header (A1) slightly to enable you drilling corresponding holes with a 15/64 inch (6mm) concrete drill bit. Insert the included wall anchors, realign the Screen Cartridge Header (A1).

3.1.2. Install the Lateral Insect Screen Tracks (J)

Ensure that the Lateral Insect Screen Track (J) brushweatherstrip side is facing the interior of the window opening. That is; facing the side screen track on the opposite side of the window. (See Figure 3.1.2A)

Ensure that the Side Insect Screen Stopper (L) is in position. The Right Lateral insect Screen Track should have the Stopper (L) in the Right Channel. The Left Lateral Insect Screen Track should have the Stopper (L) in the Left Channel

Figure 3.1.2B shows the Left Side Insect Screen Track with the Stopper (L) in the left channel and the Lateral Insect Screen Track (J) Stopper (L) at the bottom. The brushweatherstrip is above the Stopper (L) and facing the Interior of the window opening. (See Figure 3.1.2B)

Start inserting the Lateral Insect Screen Track (J) into the Screen Cartridge Header (A) by aligning the Left Lateral Insect Screen Track (J) with the center of the leftmost side of the Screen Cartridge Header (See Figure 3.1.2C)

INSERT ONE Lateral Insect Screen Track (J) at a time into the sides of the Screen Cartridge Header (A).

Insert the LEFT Lateral Insect Screen Track (J) into the protruding plastic appendage on the Screen Cartridge Header (A). (See Figure 3.1.2C)

Be careful to center the Lateral Insect Screen Track (J) onto the appendage from the Screen Cartridge Header (A) so as to be able to guide the Lateral Insect Screen Track (J) to be pushed evenly into a parallel position to the wall or window sides.

Move the Lateral Insect Screen Tracks (J) vertically so that they move INTO the window jamb opening Make sure Lateral Insect Screen Tracks (J) insert completely. (See Figure 3.1.2D)

REPEAT step 3.2.3. for the RIGHT Lateral Insect Screen Track (J)

Ensure that the Lateral Insect Screen Track (J) is aligned with the window opening so that the distance from the corner of the wall is consistent and so that the Lateral Insect Screen Track (J) on the left side of the window is aligned with the Lateral Insect Screen Track (J) on the right side of the window.

Using the included screws (M) affix the Lateral Insect Screen Tracks (J) to the window's wall, by drilling screws (M) through the holes you drilled in Step 2.3. (See Figure 3.1.2E)

Screw the included screws (M) into the Lateral Insect Screen Tracks (J) AND into the window jamb walls.

CLOSING THE RETRACTABLE BUG SCREEN... using the pull cord (C) pull down the Pull Bar, when Pull Bar is within your reach grab the Pull Bar Handles (B) and continue lowering the mosquito screen until it reaches the apposite latch position, where you will slightly push rotate the handles slightly downward towards the window sill and towards outside in order to securely close. (See Figure 3.3)

OPENING THE RETRACTABLE BUG SCREEN... put your fingertips IN the handles (B) with your fingertips pointing down towards the window sill, then apply slight forward/outward (toward outside) push pressure with the front of your knuckles. (Rotating the handle downward toward the Sill and then slight upward towards you)

Your knuckles should be pushing toward the outside or window and your fingertips pointing toward the sill and then towards you as you execute the rotation of the front of your knuckles outward.

Figure 3.1.2A

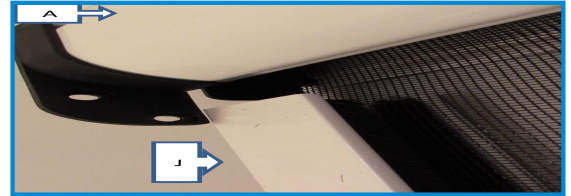


Figure 3.1.2B

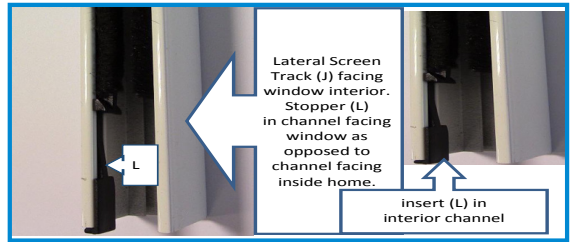


Figure 3.1.2C



Figure 3.1.2D

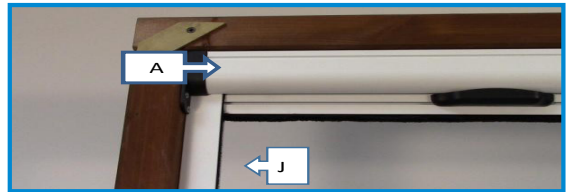


Figure 3.1.2E

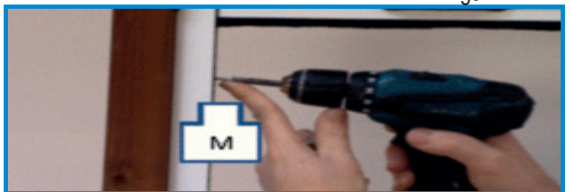
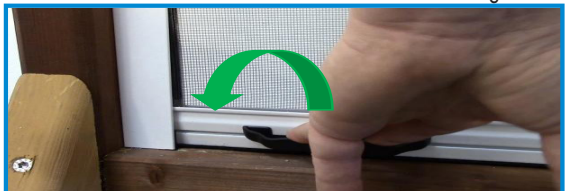


Figure 3.3





VIII. ASSEMBLY & INSTALLATION DETAILED INSTRUCTIONS


STEP 1: MEASURING AND PREPARING THE MOSQUITO SCREEN HEADER

STEP 1.1. Measure the width the INSIDE HEAD JAMB

MEASURE


 Use your household tape to Measure the width of the inside jamb of your window at the Head Jamb level.
See Figure 1A and 1B.

 Record the measurement you took in Step 1.1. as the window Head Jamb opening width = W inches.
The measurement you note (W inches) will be used as a reference of where to cut when cutting the Screen Cartridge Header and Pull Bar (A1/A2).

 Write the window's Head Jamb opening WIDTH measurement in Box W to the right for easy reference.


In Step 1.2. below you will mark this "W" measurement ON the Glued Measuring Tape Reference Guide (N) and CUT at the "W" inches NUMBER on the Glued Measuring Tape Reference Guide (N).

STEP 1.1. TIPS


 Note that the width of your window opening at the Head Jamb level may differ from the width of your window opening at window Sill level. So be sure to measure the window's opening width at the Head Jamb. and use the measurement of the width at your window's Head Jamb as your WIDTH measurement; "W" inches.

STEP 1.2. Align Screen Cartridge Header (A1) and Screen Pull Bar (A2) and Cut at your pre-measured "Width" inches mark.


ALIGN

 1.2.1. Ensure that the Screen Cartridge Header (A1) and Screen Pull Bar (A2) are aligned so they can be cut evenly at the same time. so as to be able to cut them both evenly at the same time. (See Figure: 1.2A)

MARK

 1.2.2. On the Screen Cartridge Header (A1) you will find a Glued Measuring Tape Template (N) pre-adhered to the Screen Cartridge Header (A1). (See Figure:1.2B) MARK the Measuring Tape Template (N) on the Screen Cartridge Header (A1) at "W inches" (the window's Head Jamb opening WIDTH measurement determined and recorded in Box W in Step 1.1. above).

CUT

 1.2.3. CUT the Screen Cartridge Header (A1) and Screen Pull Bar (A2) contemporaneously AT the "W inches" width you determined as the Head Jamb WIDTH in Step 1.1.
CUT at "W" ON the Measuring Tape Template (N) glued onto the Screen Cartridge Header (A1).


 **DO NOT use YOUR household measuring tape to determine where to cut on the Screen Cartridge Header A(A1/A2).**
ONLY use of YOUR household measuring tape to MEASURE the Head Jamb in Step 1.1. above NOT to cut here in Step 1.2..
Use the numbers on Glued Measuring Tape Reference Guide (N) to identify where to cut the Screen Cartridge Header A(A1/A2)

Figure 1A

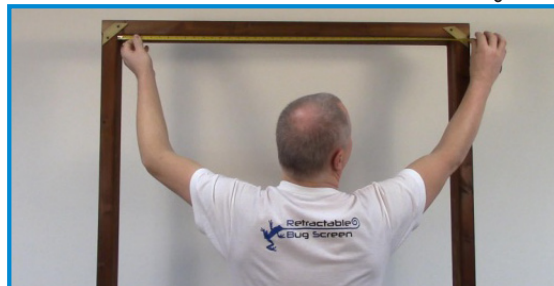
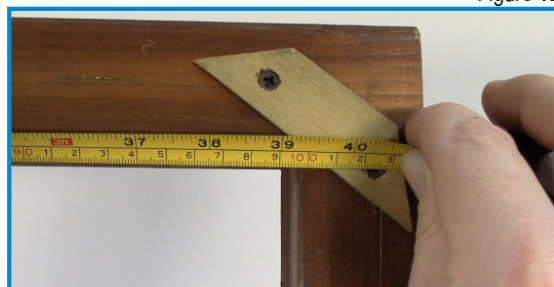


Figure 1B



BOX W
Cut at "W" =

Figure 1.2A

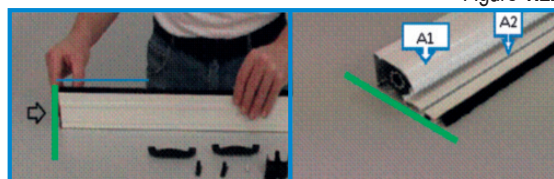
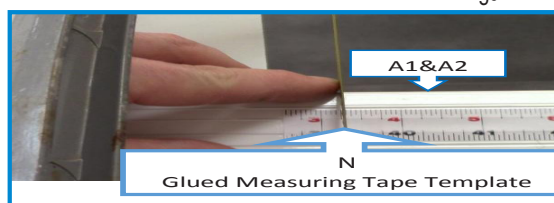


Figure 1.2B



BOX W
"W" = where to cut

STEP 1.2. TIPS

Note you should be cutting the Screen Cartridge Header (A1) and Pull Bar (A2) evenly all at the same time. (See Figure 2B). (Please note you will also be cutting the insect screen roll housed in the interior of the Screen Cartridge Header as well as the Header's metal frame; so expect the cutting to be through a thick density).

USE a handsaw or an Electric Saw to CUT the Screen Cartridge Header A ((A1) and integrated Pull Bar (A2)).

Using the Glued Measuring Tape Template (N)

Please note that since room is required in the window's Head Jamb for the Screen Cartridge Header (A) and the (NOT yet inserted) Screen Cartridge Headers's LEFT and RIGHT End Caps (E) and (I), allowances need to be made for the width of not yet inserted End Caps (E) and (I).

In order to SAVE you the time and calculation of this delicate measurement, and in order to make it the process more accurate, allocations for the Screen Cartridge Header's Left and Right End Caps (E) and (I) have been already designed into the Glued Measuring Tape Template (N) that adheres to the topside of the Screen Cartridge Header (A1).

This means you will **NOT** have to calculate additional room for the Screen Cartridge's End Caps (E) and (I), as long as you **use the Glued Measuring Tape Template (N) as your reference for where to cut the Screen Cartridge Header (A).**

We calculate the End Caps (E) and (I) into our Glued Measuring Tape Template (N) measurements and that is why we provide a pre-calculated Glued Measuring Tape Template (N) adhered top side of the Screen Cartridge Header A(A1/A2).

PLEASE NOTE that the Measuring Tape Template (N) will appear to measure differently than your household measuring tape. Even though the Glued Measuring Tape Template (N) glued to the Screen Cartridge Header (A1) seems to measure differently than YOUR measuring tape, you **MUST** cut at the W= (your WIDTH measurement) inches MARK on the Screen Cartridge Header's Glued Measuring Tape Template (N) (NOT at the for example "W" inch mark that your household measuring tape would indicate if it were placed onto the Screen Cartridge Header (A1).

This is important to note, because if you use your own household measuring tape to indicate where to cut on the Screen Cartridge Header A(A1/A2), **YOU WILL BE CUTTING INCORRECTLY** as your household measuring tape is NOT designed to include allowances for the width size of the End Caps (E) and (I), the way the Glued Measuring Tape Template (N) adhered onto the top side of Screen Cartridge Header (A1) is designed to do. Using your household measuring tape to indicate where to cut the Screen Cartridge Header (A) will result in **ERRORS.**

To clarify the width of (Left End Cap (E) and Right End Cap (I) is **ALREADY INCLUDED** in the Glued Measuring Tape Template (N) that was factory affixed to the top of Screen Cartridge Header A(A1/A2). That way you simply need to measure your Head Jamb width, record that measurement number as "W" (Width), MARK "W" onto the **GLUED** Measuring Tape Template (N) affixed to the top of Screen Cartridge Header (A1/A2) and simply cut **AT** the number "W" inches you previously measured. Cut where your "W" inches MARK appears on the Measuring Tape Template.

If you do NOT want to use the Glued Measuring Tape Template (N) to determine where to cut Screen Cartridge Header (A) and you prefer to use your own household tape measure to determine where to cut the Screen Cartridge Header (A) to fit into your window's Head Jamb. Proceed by measuring the Screen Cartridge Header (A) including the Existing Permanent End Cap (O) and mark the Screen Cartridge Header (A) for cutting at at 1/2 inch (13 mm) shorter than the measured inside Head Jamb width opening. The 1/2 inch (13 mm) is an allowance you are making for End Caps (E) and (I) that will be mounted onto the Screen Cartridge Header (A) before final installation into the window's Head Jamb.

Cutting Notes

CUT the Screen Cartridge Header A(A1/A2) where the Measuring Tape Template (N) glued to the topside of the Screen Cartridge Header (A1) indicates "W" inches, NOT where YOUR household measuring tape indicates "W" inches. Since the Measuring Tape Template (N) factory glued **ONTO** the Screen Cartridge Header (A1) makes allowances for the NOT yet inserted End Caps (E) and (I) for whom space will be needed when the whole assembly is inserted into your window's Head Jamb.

Please note that due to the length of the torsion spring inside of the Screen Cartridge Header (A1), the minimum window opening your Retractable Window Screen can be cut to fit to will be as indicated in **SECTION V: PRE-Assembly and Installation PREPARATION** of this guide.

DO NOT CUT ScreenCartridgeHeader A (A1/A2) to measurement less than Width Minimum indicated in **Figure: Minimum and Maximum Cutting Widths & Lengths** found in **SECTION V: PRE-Assembly and Installation PREPARATION of this Instruction Guide.**

If you need to install your retractable insect screen in an opening smaller than the minimums cited above please contact us for instruction at 1-407-450-5134 or email us at customerservice@retractablebugscreen.com or visit our F.A.Q. section at www.retractablebugscreen.com.

USE ONLY the included factory Glued Measuring Tape Template (N) adhered to the top of Screen Cartridge Header (A (A1/A2) as your guide of **WHERE TO CUT** the Screen Cartridge Header A (A1/A2).

The reason you MUST ONLY USE the included Glued Measuring Tape Template (N) adhered to the top of Screen Cartridge Header (A1) as your CUTTING REFERENCE, is that the factory Glued Measuring Tape Template (N) was designed to INCLUDE a MEASUREMENT CALCULATION that makes allowances for the space you will need in the Head Jamb for the WIDTH of the Screen Cartridge Header A(A1/A2) AND the add-on END caps (E) and (I).

STEP 1.3. Completing Preparation of Screen Cartridge Header - Install Permanent End Cap - Add Finishing Hardware Components

1.3.1. Remove or file away any burrs and scrap resulting from the cutting.

1.3.2. If you have cut the Left End of the Screen Cartridge Header (A1) the temporary end cap will have fallen off along with the portion of the Screen Cartridge Header (A1) that was cut off, if the Screen Cartridge Header was the correct size and you did NOT have to cut, then please REMOVE the TEMPORARY Left End Cap at this time.



To maintain the alignment of the mechanisms IN TRANSIT, the temporary end cap is placed on the Left end of the Screen Cartridge Header A (A1/A2) at the Factory. After you have removed the TEMPORARY Left End Cap please replace it with part (E) so as to minimize the displacement of the precisely torsioned spring inside Screen Cartridge Header A(A1/A2) as you complete your assembly and installation.



1.3.3. Insert one of the Handles (B) in the appropriate slit channel opening in the Screen Cartridge Pull Bar (A2) (See Figure: 1.3.3.) and slide Handle (B) to the right until Handle (B) is positioned where it will be comfortable for you to use (when you pull the Pull Bar (A2), down or up). Note the handle spacing will REMAIN adjustable throughout the life of the product so note that you will be ABLE to change the handle spacing at whim.



1.3.4. Insert the Pull Cord (C) in the appropriate slit channel opening in the Screen Cartridge Pull Bar (A2) and slide Pull Cord (C) to the center of the Screen Cartridge Pull Bar (A2). (See Figure 1.3.4.)



1.3.5. Insert the second Handle (B) into the appropriate slit channel opening in the Screen Cartridge Pull Bar (A2) and slide until second Handle (B) is positioned left of center to where it will be comfortable for you to use.



1.3.6. Take the 2 x (D) (Pull Bar End Caps) parts which are still attached by plastic to distinguish the right and left parts Push the Left Pull Bar End Cap (D) into the end of the Pull Bar (A2). (See Figures: 1.3.6A, 1.3.6B and 1.3.6C)



The Installation Video clearly shows how to separate the 2 Pull Bar End Caps (D), cleanly. You can view it in Section 1 of the Installation Video: MEASURING AND PREPARING THE MOSQUITO SCREEN HEADER at url: <https://www.youtube.com/watch?v=3v0fAe30kJQ&feature=youtu.be>



1.3.7. Push the second remaining Right Pull Bar End Cap (D) into the other end of the Pull Bar (A2) (See Figure 1.3.7A)



The Pull Bar End Caps (D) once inserted should stay on the Pull Bar (A2) If the End Caps should slip off the Pull Bar you can secure them onto the Pull Bar ends by using the pliers to pinch the Pull Bar channel so as to lightly crush the channel against the Pull Bar End Cap (D)



(See Figures 1.3.7B and 1.3.7C Alternatively you can carefully insert a small rectangle of scotch tape or a dab of glue to adhere the Pull Bar End Cap (D) to the Pull Bar (A1) ends.

Any small scratch caused by the pinching will not show as ultimately the Pull Bar End Cap portion will be hidden by the Side Insect Screen Track it will be inserted into. (See Figures 1.3.7B and 1.3.7D)

Figure 1.3.3

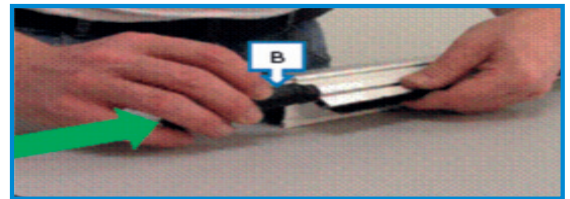


Figure 1.3.4



Figure 1.3.6A

Figure 1.3.6B



Figure 1.3.6C

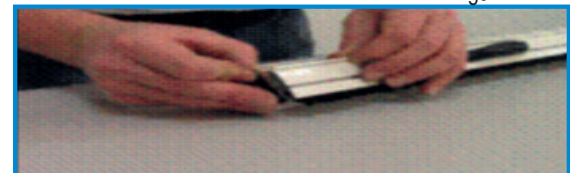


Figure 1.3.7A

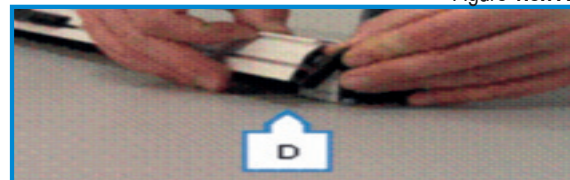
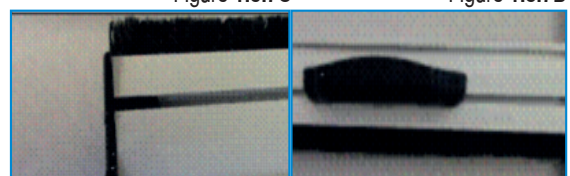


Figure 1.3.7B



Figure 1.3.7C

Figure 1.3.7D



1.3.8. Pick up the Screen Cartridge LEFT End Cap (E) and the Brake Mechanism (F) in the hardware component box.

Figure 1.3.8A

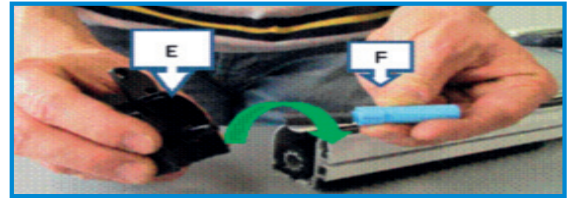


Figure 1.3.8B

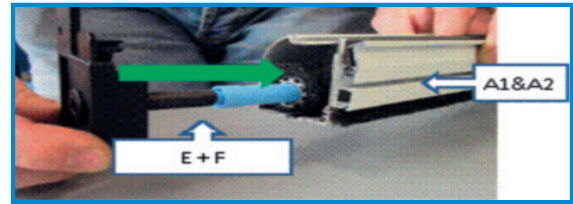


Figure 1.3.9A



Figure 1.3.9B



Figure 1.3.10A

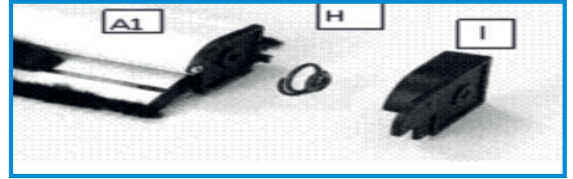


Figure 1.3.10B

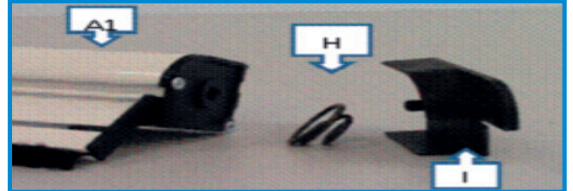


Figure 1.3.10C

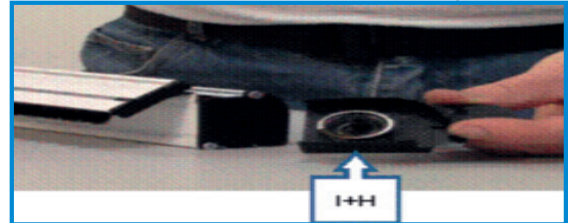


Figure 1.3.10D



1.3.9. Insert the Brake Mechanism (F) onto the Screen Cartridge LEFT End Cap (E) by inserting the Brake Mechanism (F) on the protruding round post in the Screen Cartridge LEFT End Cap (E).

Rotate the Brake Mechanism (F) onto the post in the Screen Cartridge LEFT End Cap (E) while applying a slight push pressure on the Brake Mechanism's (F) spring. (See Figure 1.3.8A)

Insert the Screen Cartridge LEFT End Cap/Brake Mechanism (E/F) unit you have created, into the slotted cavity of the Screen Cartridge Header (A1). (See Figure 1.3.8B)

1.3.9. Secure the Cartridge LEFT End cap/Brake Mechanism (E/F) unit to the Screen Cartridge Header (A1) by screwing the included Screen Cartridge Header Screw (G) into the Screen Cartridge Header (A1). (See Figure 1.3.9A)

If you have difficulty pushing the End Cap into the channel ensure that the End Cap insertion channel clip is clear of any plastic debris with a cutter blade. This will enable the End Cap to ease into the Screen Cartridge Header's channel. When you are finished the Left End Cap should appear as in Figure 1.3.9B.

1.3.10. Get Cone Spring (H) and Screen Cartridge RIGHT End Cap Add-On (I) Position LARGE side of Cone Spring (H) to face the Screen Cartridge Header (A1) AND with Cone Spring's (H) small side against Screen Cartridge RIGHT End Cap Add-On (I). (See Figure 1.3.10A and 1.3.10B)

There is a round protruding plastic post in Screen Cartridge RIGHT End Cap Add-on (I) insert the center of the small side of the Cone Spring (H) onto that post. (See Figure 1.3.10A and 1.3.10B)



Please NOTE that the Cone Spring (H) part is a LOOSE part it is NOT meant to secure firmly onto the post.

The Cone Spring (H) is intended to remain loose, as the function of the Cone Spring (H) is merely to provide leeway and give for the End Cap of the Screen Cartridge Header, as the End Cap and the Cone Spring (H) work together to provide a flexible give and take for the Screen Cartridge Header (A1) when the Screen Cartridge Header (A1) is inserted in the upper recess of the Window jamb.

With Cone Spring (H) positioned as described in Step 1.3.10 and seen in Figure 1.3.10C, slip the Cone Spring (H) and the Screen Cartridge Header's Right End Cap Add-on (I) onto the Screen Cartridge Header (A1). Push in firmly. When you finish adding on the RIGHT End Cap to the factory installed Permanent End Cap your Right End Cap should look like Figure 1.3.10D

STEP 1.3. TIPS

Please note that Screen Cartridge Right End Cap Add -On (I) and Cone Spring (H) assembly will be LOOSELY attached to the Screen Cartridge Header (A1) despite your firm push, the Right End Cap Add-on (I) will remain loosely connected to the Screen Cartridge Header (A1) because it is intentionally designed to be loose so as to provide give and lee-way to allow you to adapt your Screen Cartridge Header (A1) to your window's Head Jamb width opening; later on in the assembly process, when you insert The Screen Cartridge Header (A1) into the upper recess of the window jamb.

Do not be concerned if the Cone Spring (H) falls off the end or does not seem secure or seems loose to you, it is meant to be flexible and provide expansion or give, to fulfill its function of providing give as the Screen Cartridge Header (A) is inserted into the window jamb.

The loose Cone Spring (H) may cause the Right End Cap Add-on (I) to be so loose that End Cap falls off.

If you would like you can use a piece of clear scotch tape to keep the End Cap (I) secured to Screen Cartridge Header A1, by taping a piece of scotch or masking tape on the outside back side of the Screen Cartridge Header and folding it across the End Cap (I) so as force End Cap (I) to stay in place until Screen Cartridge Header (A) is installed in Head Jamb.

Place the temporary masking or scotch tape where you will be able to remove it when you insert the assembled Screen Cartridge Header A(A1/A2) into the window's Head Jamb. Or place the temporary scotch tape on same face of Screen Cartridge Header A1 where factory installed measuring tape is, as this face of Screen Cartridge Header

GOOD WORK! At this point you have completed the assembly of the Screen Cartridge Header and Pull Bar (A1/A2).

Put the Screen Header Cartridge (A) aside for now, and measure and prepare the Lateral Side Tracks (J) as per instructions in Step 2 below, then in Step 3 you will join the Screen Cartridge Header A (A1/A2) you have just completed with your prepared Lateral Side Tracks (J).

STEP 2: MEASURING AND PREPARING the LATERAL SIDE TRACKS

STEP 2.1. Measure the HEIGHT of the INSIDE SIDE JAMB

MEASURE

Measure the INSIDE SIDE JAMB height (height of the window opening) as pictured in Figure 2.1A and 2.1B.

Measure both the LEFT and the RIGHT window opening height as not all Sills will be level.

In order to be precise in your cutting we recommend you note both measurements and ensure they are equal.

Write the window's INSIDE JAMB HEIGHT measurement in the box H to the right for easy reference.

In Step 2.1.4. below you use this "H" inches measurement for reference when cutting the Lateral Insect Screen Tracks (J)

STEP 2.1. TIPS

If the Right and Left heights are not equal adjust for that by cutting the Lateral Screen Tracks (J) separately at the different "H" inches /Height measurements, instead of together as recommended for sills that are level

in which case the two Lateral Screen Tracks (J) should be cut together.

For very minor differences in the heights of the window jambs, the metal file can be used to slightly file down the metal to the appropriate height.

STEP 2.2. Align Lateral Insect Screen Side Tracks (J) and Cut at your pre-measured "Height" inches mark.

ALIGN

2.2.1. Take the two Lateral Insect Screen Side Tracks (J), held together by their protective packaging. REMOVE the packaging. Separate the Lateral Insect Screen Side Tracks (J) and align them evenly, keeping the brushweatherstrips centered.

Figure 2.1A

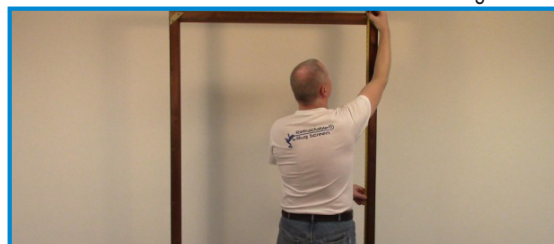
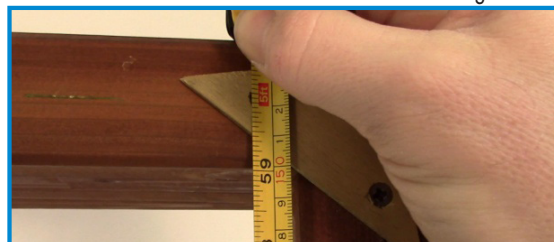


Figure 2.1B



BOX H

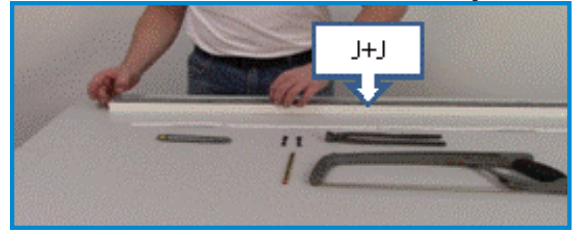
H =

Ensure both Lateral Insect Screen Side Tracks (J) are **ALIGNED**. See Figure 2.2.1A

Figure 2.2.1A



Lateral Insect Screen Side Tracks (J) are about 65 inches long. The black brushweatherstrip at about 63 inches long, is **SHORTER** than the Lateral Insect Screen Side Track (J) because in addition to the black brushweatherstrip, the Lateral Insect Screen Track (J) must **ALSO** accommodate a Lateral Track Insect Screen Stopper (L).



Ensure that the black brushweatherstrips inside the Lateral Insect Screen Track (J) are all 4 aligned at one end, leaving the other end of the Lateral Insect Screen Track **without** any brushweatherstrips for the last approximately 2 inches (5 cm.) of the Lateral Insect Screen Track (J). See Figure 2.2.1B. (Those last 2 inches will accommodate the Lateral Insect Screen Stoppers (L) inserted by you in Step 2.4.3. below) The side of the Lateral Insect Screen Tracks (J) that has **NO brushweatherstrip** will become the bottom of the retractable insect screen frame and rest on your window sill when the installation is complete.

Figure 2.2.1B



Figure 2.2.2A

Figure 2.2.2B



2.2.2. Unroll the enclosed paper Measuring Tape (K) and place its 67 inch mark at the top extremity of the Lateral Insect Screen Track (J) **WITH the black brushweatherstrip**. (See Figure 2.2.2A, and right side of Figure 2.2.2B)

Fold the remaining 1/4 inch of tape so it falls down the top extremity side of Lateral Insect Screen Track (J). See Figure 2.2.1B.



Unica A-7 Modification: USE this modification ONLY for Model Unica A-7.



For model Unica A-7 which is only 52 inches long, unroll the enclosed paper Measuring Tape (K) and place tape (K) with its 52 inch mark at the top extremity of the Lateral Insect Screen Track (J) **WITH the black brushweatherstrip**.

Fold the remaining 10 and 1/4 inch of tape (K) so it falls down the top extremity side of Lateral Insect Screen Track (J) as shown in Figure 2.2.2B.

MARK



2.2.3. Retrieve the measurement you recorded in Box H in Step 2.1 above; as Inside Side Jamb Height (window opening height) = **H inches**. **MARK** the enclosed Measuring Tape (K) at "H inches" (the window opening height measurement determined in Step 2.1. above). **At this point the Measuring Tape (K) should be still unrolled atop Lateral Insect Screen Tracks (J)** so you can mark the cutting point on Measuring Tape K, and then transcribe/mark the cutting point on the Lateral Insect Screen Tracks (J) so you can **cut at Mark "H" inches ON the Lateral Insect Screen Tracks (J)**.

CUT



2.2.4. **CUT** both Lateral Insect Screen Tracks (J and J) **at the same time**, at the "H inches" height you determined in Step 2.1. as the **INSIDE SIDE JAMB HEIGHT** (window opening HEIGHT). (See Figure 2.2.4.)



Figure 2.2.4

STEP 2.2 TIPS

You may temporarily tape the Lateral Insect Side Tracks (J and J) together while you are cutting them to minimize their movement while you are cutting, and to ensure maintaining their alignment while you are cutting.

The enclosed Measuring Tape (K) should be layed onto atop the Lateral Insect Screen Track (J) to act as a Cutting Reference Guide, as shown in Figure 2.2.2B. Like the allowance calculating factory pre-adhered measuring reference tape guide on the Screen Cartridge Header (A1) in Step 1.2 in section above, the Measuring Tape (K) enclosed makes relevant allowance calculations for you so you don't have to.

That is to say, the enclosed Reference Measuring Tape (K) allows you to cut at the mark of the measurement you determined in Step 2.1 above, without having to calculate allowances for how the length of the Screen Cartridge Header A (A1/A2) affects (adds to) the measurement.

The enclosed paper Measuring Tape (K) is designed to incorporate allowances for the length of the Screen Cartridge Header A (A1/A2).

By using the paper Measuring Tape (K) included in our Hardware components kit, as the indicator guide as to where to cut the Lateral Insect Screen Tracks (J) you will NOT have to make allowances for the length of the Screen Cartridge Header A (A1/A2). and/or for the points where the Lateral Insect Screen Track (J) intersects into the Screen Cartridge Header A (A1/A2)

If you do NOT want to use the enclosed paper Measuring Tape (K) to determine where to cut Lateral Insect Screen Tracks (J) and you prefer to use your own household tape measure to determine where to cut the Lateral Insect Screen Tracks (J) to fit into your window's Side Jamb height. Proceed by cutting both Lateral Insect Screen Tracks (J) 1.88 inches (48 mm) LESS than the overall window INSIDE JAMB height.

The 1.88 inch (48 mm) is an allowance you are making for length of the Screen Cartridge Header (A) that will already be in the Head Jamb taking up 1.88 inch in length and making up the balance of the Inside Jamb height when you install the Lateral Insect Screen Tracks (J). The Lateral Insect Screen Tracks (J) will intersect with the bottom of the Screen Cartridge Header (A).

STEP 2.3. Drill Holes into Lateral Insect Screen Tracks for Attachment to Window Side Walls.

2.3.1. Unroll your measuring tape on one of the Lateral Insect Screen Tracks (J) and using the measuring tape as a guide, MARK the Side Insect Screen Track (J) about 4 inches (10 cm) from the end. (See Figure 2.3.1.) Repeat the steps in 2.3.1. for the second Lateral Insect Screen Track (J)

2.3.2. Drill a hole with a 5/32 in.(3.97mm) drill bit where you marked. (See Figure 2.3.2.) Repeat the steps in 2.3.2. for the second Lateral Insect Screen Track (J)

If the height or installation conditions require it additional holes can be drilled into the Side Insect Screen Tracks (J) by subdividing the distance between the two previously drilled holes by half.

STEP 2.4. Prepare and Secure Black Brushweatherstrips.

2.4.1. As detailed in Section 2.2.1. above, please ensure that the brushweatherstrips inside the Lateral Insect Screen Track (J) are STILL all 4 aligned at one end, leaving the other end of the Lateral Insect Screen Track without any brushweatherstrips for the last approximately 2 inches (5 cm.) of the Lateral Insect Screen Track (J). (Those last 2 inches will accomodate the Side Insect Screen Stoppers (L) inserted by you in Step 2.4.2. below). The side of the Lateral Insect Screen Tracks (J) that has NO brushweatherstrip will become the bottom of retractable insect screen frame structure resting on the window Sill.

2.4.2. With pliers pinch both ends of the Lateral Insect Screen Tracks (J) where the brushweatherstrip lies. (See Figure 2.4.2.)

Pinch the brushweather strip at the TOP of the Side Insect Screen Track (the part where the brushweather strips are aligned NOT the bottom where

Figure 2.3.1

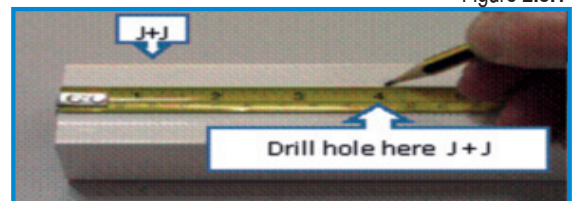


Figure 2.3.2

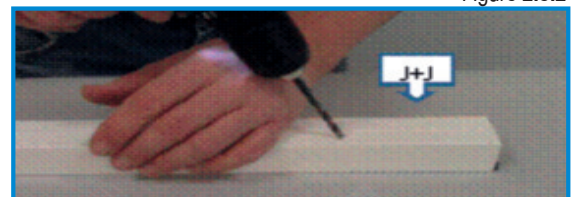




Figure 2.4.2



 the brushweatherstrip is absent for the last 2 inches. That space will be filled by End Stoppers (L).

 GIVE your brushweatherstrips a **FORCEFUL PINCH**. It is critical that the brushweatherstrip channel be **FORCEFULLY PINCHED** so as to **ENSURE that the BRUSHWEATHERSTRIP CANNOT MOVE**.

To Test that the brushweatherstrips **DO NOT MOVE**, your fingertip should be able to run up and down the brushweather strip **WITHOUT MOVING** the brushweatherstrip at all.

You may want to pinch at several points along brushweatherstrip until brushweatherstrip does **NOT MOVE AT ALL** (See figure 2.4.2A).

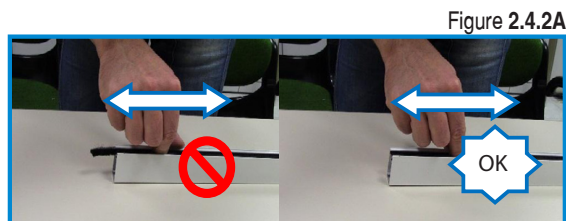




Figure 2.4.2A

 You **MUST** pinch the small metal channel that holds the brushweatherstrip, against the brushweatherstrips in such a way as to secure the brushweatherstrips and **PREVENT** them from moving. The brushweatherstrips must **NOT** move in future, for if they do they will entangle themselves in the Screen Cartridge Header's mechanism. and cause the mechanism to stop functioning. The pinching in this step is **CRITICAL** to the functioning of the mechanism as it will immobilize and secure the brushweatherstrips.

 **2.4.3.** Insert Lateral Insect Screen Track Stoppers (L) inside the apposite insertion channels found in the Lateral Insect Screen Tracks (J) (See Figure 2.4.3.) Please note you will be placing the Stopper (L) in the **LEFT** channel of the **LEFT** Side Insect Screen Track and the second Stopper (L) in the **Right** channel of the **RIGHT** Side Insect Screen Track.

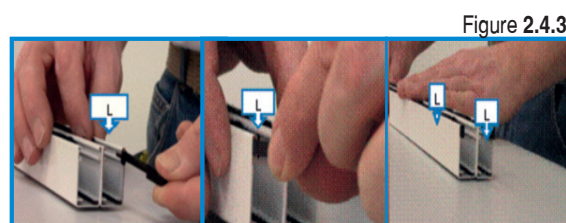




Figure 2.4.3


Note that the pointed tip of the Lateral Insect Screen Track Stoppers should be inserted tip side first into the channel.


The protruding tip part of the Screen Track Stopper (L) should facing the interior of the window opening, that is; facing the Lateral Insect Screen Track or Side Jamb on the opposite side of the window opening.

STEP 2.4. TIPS

 **DO NOT FORGET** to **SECURELY** pinch the Lateral Insect Screen Tracks (J) channel where the brushweatherstrip is. In the installation video it can be noted that the brushweatherstrips are pinched forcefully so that there is a slight indentation in the Lateral Insect Screen Track (J) where the brushweatherstrips are pinched.

 This is an **IMPORTANT** step, as it will prevent the brushweatherstrip from moving during the mosquito screen's retracting operations. This step will ensure that the brushweatherstrip remains fixed and stable during during the functioning of the retractable mosquito screen.

 The brushcombstrip must **NOT** move as it **CANNOT** and **SHOULD NOT** move during the functioning of the retractable mosquito screen.

 You may want to review the our 10 minute Installation Video which follows the order of the steps in these instructions and go to Step 2 where the video demonstrates in detail how to pinch the ends of Lateral Insect Screen Tracks (J) so as to **PREVENT** the brushweatherstrip from moving.

 It is highly recommended that if possible you watch the Installation Video for maximum success with this step. Click on link to view video <https://youtu.be/3v0fAe30kJQ>

 **OPTIONAL:** At this point you may want to skip to Steps 3.1.1 - 3.1.2 and then **WITHOUT** the use of a drill, complete a **TRIAL** fitting of the installation, to ensure all your measurements are correct and fit prior to starting the drilling and finalizing of the installation.

Note should you find some tight fittings due to irregularities in the level of your windows or height disparities between your right window jamb height and your left window jamb height, you can at this point use the metal file to file down the Lateral Insect Screen Tracks until they fit the jamb height well.

Once you have verified that everything fits you can return to complete Steps 3.1., 3.2. completely, using your drill and screws.

STEP 3.1. INSTALLING the HEADER and LATERAL TRACKS into WINDOW



3.1.1. Insert the Screen Cartridge Header (A1) into the top of the window opening by first inserting the side without the Cone Spring (H) into the top of the window opening and then pushing the other side into position while exerting lateral pressure against the Screen Cartridge Header (A1) until the Screen Cartridge Header (A) is seated into position. (See Figure 3.1)



Ensure that the Screen Cartridge Header (A1) is correctly and securely inserted within the wall opening. (See Figure 3.1A)

Ensure that The Screen Cartridge Header (A1) is parallel to the window jamb corner and IN contact with the top of the HEAD JAMB (top of window beam). (See Figure 3.1B)



Using the included screws (M) affix the Screen Cartridge Header (A1) to the wall or window opening, by drilling screws (M) through the corresponding holes in the Screen Cartridge End Caps (E & I) and into the wall. (See Figure 3.1C)



Drilling the Retractable Insect Screen Screen Tracks into the wall will make the Retractable Insect Screen more secure and is required for installations as drilling secures the Retractable Insect Screen firmly making the Insect Screen safer. Additionally, this securing of the Insect Screen allows for smoother operation of the screen over time as the insect screen rises and lowers in the Side Insect Screen Tracks. This smooth operation facilitated by firm adherence to the wall it has been drilled into will PREVENT operational problems in the future.



Note: To affix to cement walls or to other wall structures requiring Wall Anchors, mark hole positions on the wall that correspond to the pre-drilled holes in the plastic Screen Header End Caps. Move the Screen Cartridge Header (A1) slightly to enable you drilling corresponding holes with a 15/64 inch (6mm) concrete drill bit.

Insert the included wall anchors, realign the Screen Cartridge Header (A1).

3.1.2. Install the Lateral Insect Screen Tracks (J)



Ensure that the Lateral Insect Screen Track (J) brushweatherstrip side is facing the interior of the window opening. That is; facing the side screen track on the opposite side of the window. (See Figure 3.1.2A)



Ensure that the Side Insect Screen Stopper (L) is in position. The Right Lateral insect Screen Track should have the Stopper (L) in the Right Channel. The Left Lateral Insect Screen Track should have the Stopper (L) in the Left Channel



Figure 3.1.2B shows the Left Side Insect Screen Track with the Stopper (L) in the left channel and the Lateral Insect Screen Track (J) Stopper (L) at the bottom. The brushweatherstrip is above the Stopper (L) and facing the Interior of the window opening. (See Figure 3.1.2B)



Start inserting the Lateral Insect Screen Track (J) into the Screen Cartridge Header (A) by aligning the Left Lateral Insect Screen Track (J) with the center of the leftmost side of the Screen Cartridge Header (See Figure 3.1.2C)

INSERT ONE Lateral Insect Screen Track (J) at a time into the sides of the Screen Cartridge Header (A).

Insert the LEFT Lateral Insect Screen Track (J) into the protruding plastic appendage on the Screen Cartridge Header (A). (See Figure 3.1.2C)

Figure 3.1



Figure 3.1A

Figure 3.1B



Figure 3.1C



Figure 3.1.2A

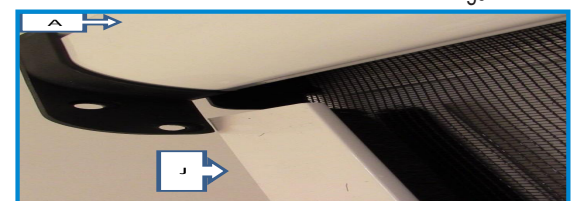


Figure 3.1.2B

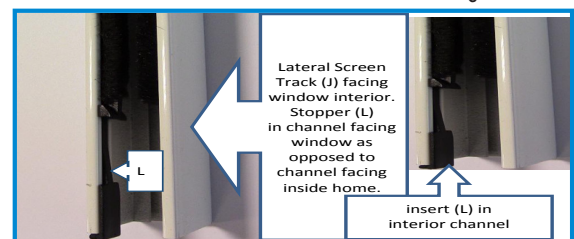
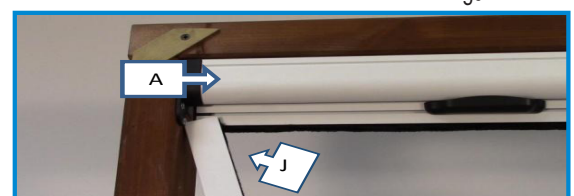


Figure 3.1.2C





Be careful to center the Lateral Insect Screen Track (J) onto the appendage from the Screen Cartridge Header (A) so as to be able to guide the Lateral Insect Screen Track (J) to be pushed evenly into a parallel position to the wall or window sides.

Move the Lateral Insect Screen Tracks (J) vertically so that they move INTO the window jamb opening. Make sure Lateral Insect Screen Tracks (J) insert completely. (See Figure 3.1.2D)

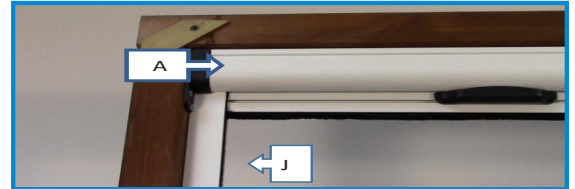


Figure 3.1.2D



REPEAT step 3.2.3. for the RIGHT Lateral Insect Screen Track (J)

Ensure that the Lateral Insect Screen Track (J) is aligned with the window opening so that the distance from the corner of the wall is consistent and so that the Lateral Insect Screen Track (J) on the left side of the window is aligned with the Lateral Insect Screen Track (J) on the right side of the window.



Using the included screws (M) affix the Lateral Insect Screen Tracks (J) to the window's wall, by drilling screws (M) through the holes you drilled in Step 2.3. (See Figure 3.1.2E)
Screw the included screws (M) into the Lateral Insect Screen Tracks (J) AND into the window jamb walls.

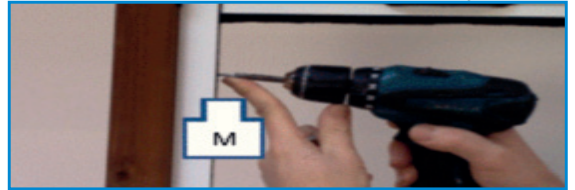


Figure 3.1.2E

STEP 3.1 TIPS



To affix to cement walls or to other wall structures requiring Wall Anchors, mark hole positions on the wall that correspond to the pre-drilled holes in the Screen Cartridge Header (A1) or to holes you measured for the Lateral Insect Screen Tracks (J). (See Step 2.3.)

Drill corresponding holes with a 15/64 inch (6mm) drill bit (for concrete). Insert the included wall anchors.

Realign the Lateral Insect Screen Track (J) and screw in the included screws (M). (See Figure 3.1.2E)



Please be sure to firmly secure the Lateral Insect Screen Tracks (J) to the side walls of the window opening even if the Screen Cartridge Header (A1) and the Lateral Insect Screen Tracks (J) remain firmly in place even without being screwed into the wall. As failure to screw the Side Insect Screen Tracks (J) into the window jamb wall may cause Insect Screen performance problems in the future.



CLOSING THE RETRACTABLE BUG SCREEN... using the pull cord (C) pull down the Pull Bar, when Pull Bar is within your reach grab the Pull Bar Handles (B) and continue lowering the mosquito screen until it reaches the apposite latch position, where you will slightly push rotate the handles slightly downward towards the window sill and towards outside in order to securely close. (See Figure 3.3)

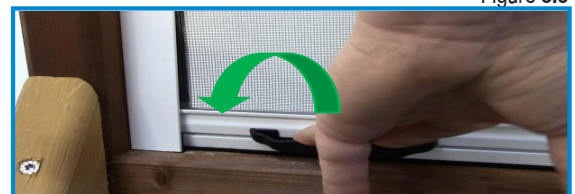
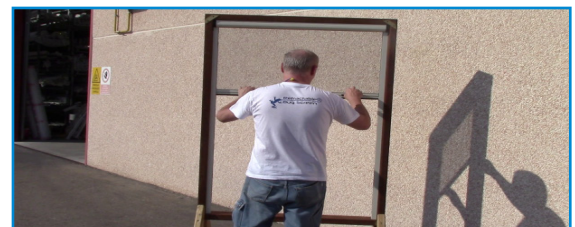


Figure 3.3



OPENING THE RETRACTABLE BUG SCREEN... put your fingertips IN the handles (B) with your fingertips pointing down towards the window sill, then apply slight forward/outward (toward outside) push pressure with the front of your knuckles. (Rotating the handle downward and then slight upward towards you)

Your knuckles should be pushing toward the outside or window and your fingertips pointing toward the sill and then towards you as you execute the rotation of the front of your knuckles outward.



THANK YOU for choosing RETRACTABLEBugScreen TM

IX. WARRANTY

Our RetractableBugScreen TM brand on the box confirms that the RETRACTABLE Insect Screen you have purchased is made with world class craftsmanship and premium materials. Each RETRACTABLEBugScreen TM product is designed to provide you with enduring performance and value. We put that promise into writing in our Warranty.

2 - Year LIMITED WARRANTY

1. RETRACTABLEBugScreen Inc. (RetractableBugScreen TM) provides limited warranty coverage to the original purchaser of this product for a period of two years from the date of purchase against defects in materials or workmanship of RETRACTABLEBugScreen TM kit parts and components, with the exception of the Screen.

As used in this Warranty, "defect" means imperfections in components which substantially impair the utility of the product. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

2. There is no warranty coverage for defects or conditions that result from the failure to follow product assembly instructions, information or warnings, misuse or abuse, intentional damage, fire, flood, alteration or modification of the product, or use of the product in a manner inconsistent with its intended use, nor any condition resulting from incorrect or inadequate maintenance, cleaning, or care. There is also no warranty coverage for rented products or any products purchased "used" or "as is", at a distress or going-out-of business sale, or from a liquidator.
3. As the exclusive remedy under this Warranty, RETRACTABLE Bug Screen Inc. will (at its sole option) repair or replace any defective part. RETRACTABLE Bug Screen Inc. may require independent confirmation of the claimed defect and proof of purchase. Replacement parts will be warranted for only the remaining period of the original Warranty.
RETRACTABLE Bug Screen Inc. SHALL HAVE NO LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND and all such damages are EXCLUDED FROM THIS WARRANTY, such as loss of use, disassembly, transportation, labor or damage to property on or near the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
4. This Warranty applies only to warranted defects that first arise and are reported to RETRACTABLE Bug Screen Inc. within the warranty coverage period. The Warranty cannot be transferred to subsequent owners or users of the product, and it shall be immediately void in the event the product is resold, transferred, leased or rented to any third party or person other than the original purchaser.
5. THERE ARE NO OTHER WARRANTIES APPLICABLE TO THIS PRODUCT. Under the laws of certain states, there may be no implied warranties from Retractable Bug Screen Inc. and all implied warranties, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE are disclaimed where allowed by law. may not apply to you.
TO THE EXTENT ANY IMPLIED WARRANTIES ARE APPLICABLE, ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS EXPRESS WARRANTY or the minimum period allowed by law, whichever is shorter. Some states do not allow limitations on how long an implied Warranty lasts, so the above limitation.
6. For Warranty inquiries or claims, please visit our website www.retractablebugscreen.com.

You can also contact RetractableBugScreen at 407-450-5134. Retractable Bug Screen Inc. may require Warranty claims to be submitted in writing to:

Retractable Bug Screen Inc.
256 Fairway Pointe Circle
Orlando, FL, 32828 U.S.A.

Please include your sales receipt or other proof of purchase and a specific description of the product defect.

If you have purchased our product through our Premium Retailer: Homedepot.com you may return the product to the store within Home Depot's return period. Manufacturer's Warranty claims will however be processed by Retractable Bug Screen Inc.

X. TROUBLESHOOTING GUIDE & FREQUENTLY ASKED QUESTIONS (F.A.Q.)

Please see our website <http://www.retractablebugscreen.com> for a constantly updated troubleshooting guide

1. **I do not have sufficient space in my Head Jamb for the RETRACTABLEBugScreen TM, can I still install a retractable insect screen in my window opening?**

If you have insufficient space in your HEAD JAMB opening to install your RetractableBugScreen TM - Screen Cartridge Header (A)

That is if you DO NOT have the 2 inches of space in your HEAD JAMB you need to install the Screen Cartridge Header (A),

Yes you will still be able to install the RETRACTABLEBugScreenTM, however you will need to install it frontally, and to do that you will need to order the frontal installation accessory kit. You can order the frontal installation accessory kit by contacting us at: customerservice@retractablebugscreen.com

2. **If for whatever reason, I either don't have sufficient Head Jamb space for the RETRACTABLEBugScreen TM or prefer to put blinds or drapes in the head jamb where I would normally install the RETRACTABLEBugScreen TM is there another way to still install the RETRACTABLEBugScreenTM in my window opening?**

Yes, there are a variety of solutions to allow you to install the RETRACTABLEBugScreenTM in a variety of challenging or irregular window openings. Including external installations, outdoor installations or other installation challenges.

Our customer care team is available 6 days a week at 407-450-5134 or customerservice@retractablebugscreen.com to assist you if you need: help, troubleshooting assistance, or have any questions about installing our product in custom environments with particular challenges. We probably have an optional accessory kit to address your custom challenge in most window environments.

3. **If I don't have space for the RETRACTABLEBugScreen TM in the Head Jamb, and don't want to order the optional Frontal Installation Accessory Kit, or remove the blinds taking space in the Head Jamb, can I try installing the RETRACTABLEBugScreen TM a few inches below the Head Jamb?**

In many cases where there is insufficient space in the Head Jamb due to alarm system accessories, or blinds in the Head Jamb, the RETRACTABLEBugScreen TM can still be installed inches below the Head Jamb if there is enough room for the existing blinds to descend and clear the retractable insect screen.

Whether it is possible or not to install the RETRACTABLEBugScreen TM inches below the Head Jamb, depends on the type of blinds or existing window accessory that is already in the Head Jamb and the type of window; single hung, etc..

You need to ensure you will have space for the blinds in the Head Jamb to clear the retractable insect screen's Header (A) when the blinds are lowered.

The window type must also be type of window; like single-hung window, where opening the window and then lowering the RETRACTABLEBugScreen TM will NOT result in an air gap where bugs and insects will be able to enter.



If the existing blind or window accessory in your window's Head Jamb can clear a RETRACTABLEBugScreen TM installed inches below the Head Jamb, then you can proceed to install the RETRACTABLEBugScreen TM as per the same instructions for Head Jamb installation. The only alteration being how to measure the height of where to cut the Lateral Insect Screen Side Tracks (J). You will have to cut the Lateral Insect Screen Side Tracks (J) by first installing the Screen Cartridge Header (A) (without screwing it (A) to the side walls, so in case you make a mistake you can still make adjustments).

Once you have installed the Screen Cartridge Header (A) measure from the bottom of the Screen Cartridge Header (A) to the window sill. And use that measurement as your H = Height measurement as you follow the installation instructions.

4. **My walls or side jamb wall is uneven or irregular, can I install the RETRACTABLEBugScreen TM on uneven or irregular wall surfaces?**

We have a variety of installation solutions and optional accessories that will allow you to install the RETRACTABLEBugScreen TM to uneven or irregular walls,

Our customer care team is available 6 days a week at 407-450-5134 or customerservice@retractablebugscreen.com to assist you if you need: help, troubleshooting assistance, or have any questions about installing our product in custom environments with particular challenges. We probably have an optional accessory kit to address your custom challenge in most window environments.

5. **What do I do if I have tile or marble lining the inside jamb, side jamb or head jamb of my window opening?**

If you can screw into your tile or marble or other siding without damaging your tile or wall work, you can proceed as per the instructions.

If screwholes will damage the wall work you have you should consider an adhesive, silicone or a frontal application.

You can order the adhesive application accessory kit or the frontal application kit by contacting us at: customerservice@retractablebugscreen.com or call us at 1-407-450-5134.

6. Can the screen be repaired if it ever tears?

Yes, the screen can be repaired with our Screen Repair Kit. You can order the Screen Repair Kit by contacting us at: customerservice@retractablebugscreen.com or call us at 1-407-450-5134.

7. If the screen derails out of the Lateral Insect Screen Side Tracks, because of strong winds or movement, can that be addressed?

Yes it can be addressed. If the mesh screen mistakenly moves out of the Lateral Insect Screen Side Tracks (J) because of strong winds, or movement during cleaning. You can re-insert and re-align the mesh screen into the Lateral Insect Screen Side Tracks and have the screen ascend and descend. The screen will then be reset ready for use.

XI. USE & CARE GUIDELINES

Please see our website <http://www.retractablebugscreen.com> for additional and updated Use & Care Guidelines.

The screen mesh is usually retracted when not in use so as to allow clear view of outside. The insect screen stays in the Screen Cartridge Header housing during wet and cold months, when windows are not opened often and during periods when interiors are air-conditioned and windows are left closed for long periods of time. The patented NON-TOXIC SUNOX treatment of the RETRACTABLEBugScreen™ insect screen mesh provides additional protection as the SUNOX insect screen mesh is bacteria repellent and mold resistant. Regular maintenance of the RETRACTABLEBugScreen™ is therefore minimal.

HOW OFTEN YOU SHOULD CLEAN YOUR RETRACTABLEBugScreen™

For best results we recommend cleaning the mesh insect screen at least twice a year. Ideally clean the screen at the BEGINNING of the season when you OPEN WINDOWS and ROLL DOWN the insect screens and then clean the screen again at the END of the season when you CLOSE WINDOWS and ROLL UP the insect screen. Maintenance of the RETRACTABLEBugScreen™ mesh screen should be effected at the owner/user's discretion, taking into consideration that more frequent cleanings may be required if your screen will be subject to harsh atmospheric conditions, exposure to vapors, fumes, pollen presence, high concentrations of salt air or industrial pollutants.

CLEANING YOUR RETRACTABLEBugScreen™

Safety Precautions

Please NOTE slight forward pressure on the screen's mesh may cause the screen to roll up, as part of the screen's designed functionality is to roll up when slight forward pressure is applied at base. For SAFETY, please hold the PULL BAR (A2) taut or tight at its base with one hand while cleaning the screen, so as to prevent the screen from inadvertently rolling up while you are cleaning it. When cleaning the insect screen pull the insect screen mesh down, so it is in use mode; so it is visible in the frame. With one hand, hold the pull bar down so screen is taut.

If the mesh screen mistakenly moves out of the Lateral Insect Screen Side Tracks (J) because of movement during cleaning or because of strong wind breezes, you can simply re-insert and re-align the mesh screen into the Lateral Insect Screen Side Tracks (J) and have the screen ascend and descend. The screen will then be reset ready for use.

REMOVE DIRT

The first phase of cleaning your RETRACTABLEBugScreen™ is the removal of any dust, spider webs, impurities or dirt attached to the mesh screen or aluminum frame. For this part of the operation use a soft brush or vacuum cleaner to remove or vacuum impurities.

WIPE GENTLY WITH DAMP CLOTH SOAKED IN MILD WATER SOAP SOLUTION

The second part of the cleaning of the mesh insect screen and the aluminum frame is the washing phase. Use a mild detergent or cleaners suggested for domestic use. We recommend the use of mild, neutral, non abrasive and not harsh cleaning products for cleaning the mesh and the aluminum frame. Please consult your detergent or cleaner product's ingredients' list and application directions for guidance on the product's directed uses. DO NOT USE any cleaning products on your insect screen or aluminum frame that contain ammonia, bleach, solvents, acetone, isopropyl alcohol, hydrogen peroxide or harsh chemicals. Use of harsh chemicals or non recommended cleaning products will irreparably deteriorate and/or damage the insect mesh screen and the aluminum frame finish.

Place clean protective cloths or rags on your window sill so as to protect walls or nearby surfaces that might be stained by the mild detergent water mix solution you are using. Place clean rags or cloths on your window sill so as to catch water drips or moisture during your wet cleaning of the insect screen.

Dilute your mild detergent/cleaner product with fresh clean water. Place a clean absorbent cloth in mild detergent and fresh water solution. Extract extra moisture out of your clean absorbent cloth. Wring out extra wetness from your cloth, until cloth is damp, not soaking wet. Begin cleaning the insect screen mesh by starting on the top part of the screen. Gently and lightly rub screen mesh in a light circular motion with a damp cloth putting very light pressure on the mesh.

If possible clean the mesh screen both on the internal and external side by gently rubbing the insect screen mesh with the damp cloth. Some installations of your screen may not permit external cleanings. (On higher floors for example). If external cleaning is not possible, simply clean mesh's interior side. After cleaning with a damp cloth you can wipe the mesh lightly. For best results allow the screen fabric to dry completely before retracting the insect screen.

To clean the aluminum frames, after removing dust or dirt particles, wipe lightly with a damp cloth. Please contact us with any use and care or maintenance questions you may have. Email us at customerservice@retractable-bugscreen.com or call us at 1-407-450-5134

TIPS FOR EXTENDING LIFE OF YOUR RETRACTABLEBugScreen™

Insect mesh screen should be retracted into its protective storage housing in the Screen Cartridge Header (A1) when not in use, so as to protect

and extend the life of the mesh. Ensure Lateral Insect Screen Side Tracks (J) are kept free of dirt, grease and debris. Clean mesh screen, Lateral Insect Screen Side Tracks and Pull Bar Exterior with water, mild cleaning product and a soft damp cloth – not with harsh chemicals or a pressure washer. Allow mesh screen to dry before rolling it back up into its Header housing.

Dear Valued RetractableBugScreen TM customer:

Thank you again for choosing a quality RetractableBugScreen TM product to protect your environments.

We are committed to you and your product satisfaction. You can count on us to make it right.

We are committed to providing you with a positive purchase, assembly and installation process experience. All of us at RETRACTABLEBugScreen Inc. have worked hard to ensure our product will perform for you for years to come I hope you are fully satisfied with the Retractable Insect Screen you just installed. Please contact us if you are not. You can count on us to make it right. We love having you as our customer .

View quick installation - Know we have solutions to your custom challenges.

You can view the entire retractable insect screen installation in a 10 minute video on our website at url:
<https://www.youtube.com/watch?v=3v0fAe30kJQ&feature=youtu.be>

We have over 35 years of experience selling our Retractable Insect Screen kits into over 20 countries. Our wide scope of work has allowed us to develop many solutions to various installation challenges you might have. We are happy to share our experience and solutions so as to assist you and maximize your product satisfaction. Our innovative solutions include resolving challenges such as adapting the product to uneven or irregular walls, external installations (when your window jamb does not have sufficient space to accommodate the Screen Cassette Cartridge) outdoor installations, or other installation challenges.

Our customer care team is available 6 days a week at [407-450-5134](tel:407-450-5134) or customerservice@retractablebugscreen.com to assist you if you need: help, troubleshooting assistance, guidance, have any questions about our product or need an optional accessory kit to address your custom installation challenges.

We are dedicated to providing you with world class customer support and service. It will be our pleasure to help you build and enjoy our product.

Craftsmen, Innovators and Pioneers of the Retractable Insect Screen

My father Nardo Bonini, founded the company over 35 years ago. With craftsmanship and innovativeness he pioneered the Do It Yourself Retractable Insect Screen so as to offer consumers insect protection as well as real savings in both cost and time investment of installing a quality Retractable Insect Screen.

This revolutionized the window screen industry allowing anyone with a few simple tools to install Retractable Insect Screens in their Window and Door openings.

Over 35 years have passed since father pioneered our products, today we strive to continue Nardo Bonini's core values of integrity, innovation and providing our customers with real value and real savings and world class customer care.

BugFreeBreezes, Views, Anti Bacterial SUNOX screen, Many Years of Satisfaction

Congratulations on having installed your RETRACTABLEBugScreen TM, you will now be able to benefit from bug free breezes and clear unobstructed views. When the screen is open there is very little encroachment onto the glass surface so your daylight opening and viewing area is large. You will be able to enjoy your insect free breezes for many years with minimal maintenance thanks to the quality of the product and the Patented Anti-Bacterial SUNOX screen that helps keep your screen clean by restricting bacterial and mold growth on your Premium RETRACTABLEBugScreen TM product.

If you are not 100% satisfied with our product, I would like to know about it and have the opportunity to make it right. Please call me at our office at 1- 407-450-5134 or email customerservice@retractablebugscreen.com to the attention of : Mr. Simone Bonini.

*Sincerely committed to your satisfaction,
Simone Bonini,
President,
Retractable Bug Screen, Inc.*