

IT IS HIGHLY RECOMMENDED THAT THE INSTRUCTIONS BE READ THROUGH BEFORE INSTALLATION.

Genius
Retractable Screen Systems

CASCADE

VERTICAL PULL-DOWN RETRACTABLE WINDOW SCREEN INSTALLATION INSTRUCTIONS

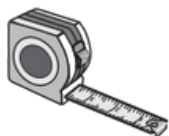
SCREEN KITS USING 41mm or 42mm CASSETTE

INSTALLATION TOOLS

PHILLIPS SCREWDRIVER



MEASURING TAPE



HAND-HELD OR
POWER SAW



POWER DRILL & BITS

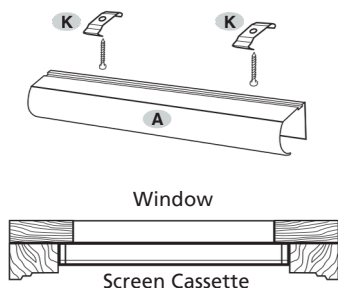


SOFT Mallet

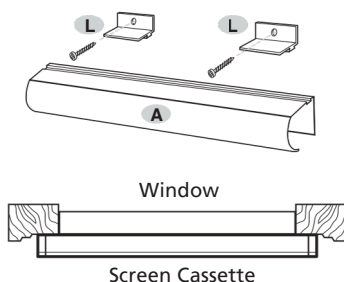


INSTALLATION PREP

1-A Recess Installation



1-B Surface Installation



1 MOUNTING OPTIONS

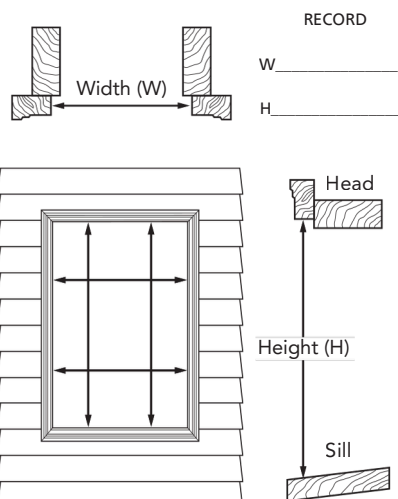
1-A Recess Installation : Mount the A-Screen Cassette using K-Recess Mounting Clips inside the window frame. Recess Installations are the most common.

1-B Surface Installation : Surface / Flush Mount the A-ScreenCassette using L-Surface Mount Clips.

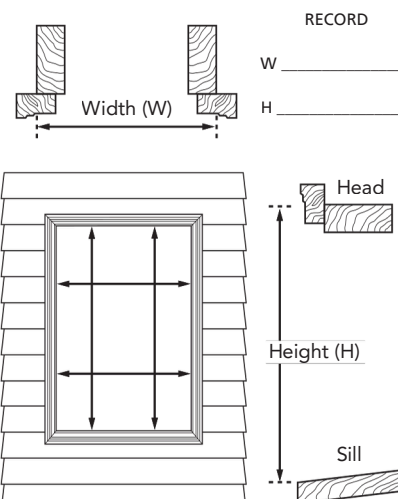
2 MEASURING

Measure the opening width and height in several places and record the smallest width and height measurement [2-A or 2-B]. If you have ordered a custom made screen, proceed to installation **Step 8**.

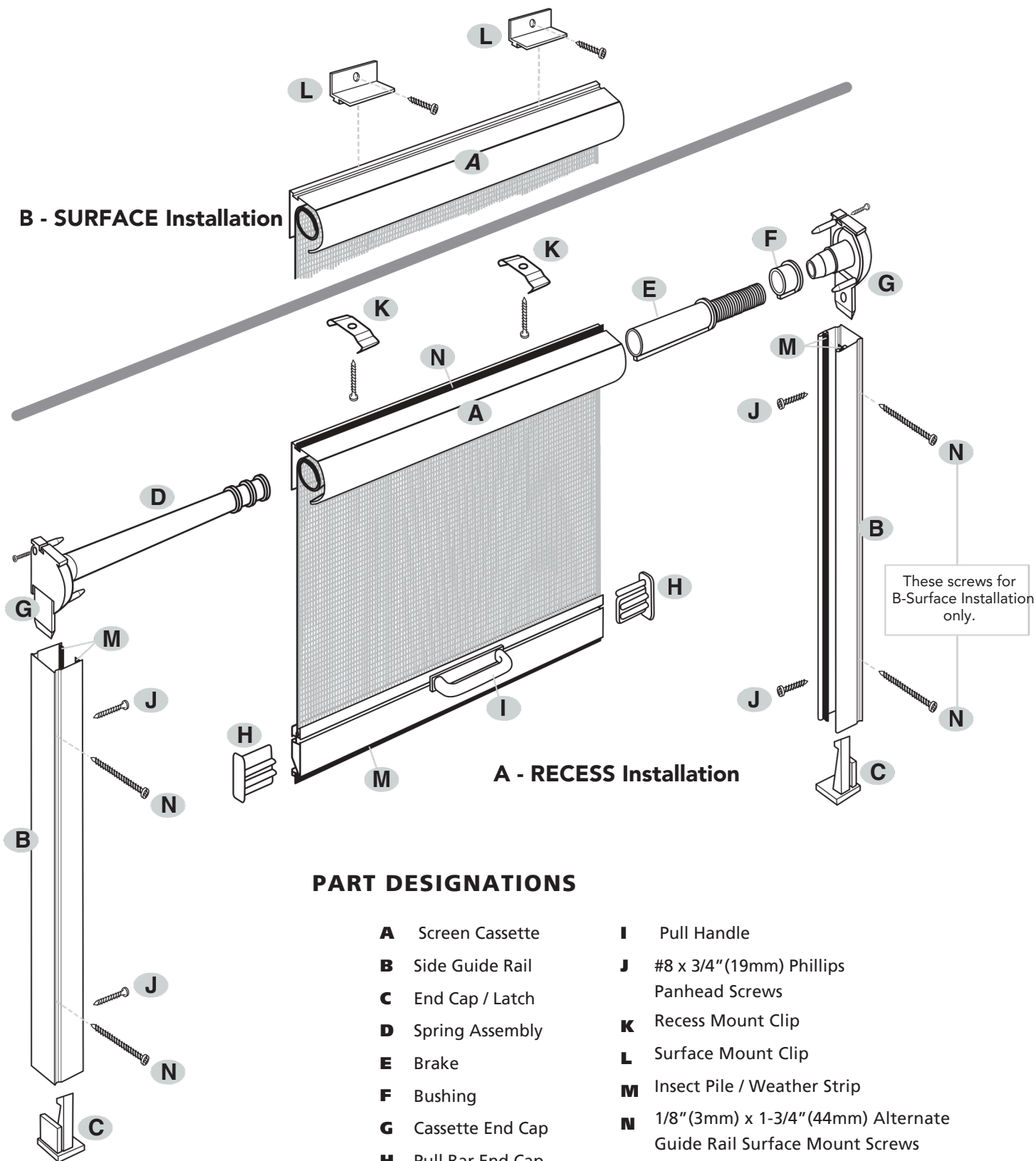
2-A Recess Installation



2-B Surface Installation

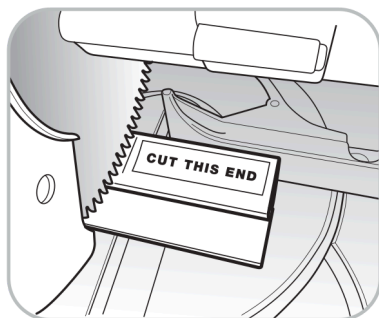


B - SURFACE Installation



PART DESIGNATIONS

- | | |
|---------------------------|---|
| A Screen Cassette | I Pull Handle |
| B Side Guide Rail | J #8 x 3/4" (19mm) Phillips Panhead Screws |
| C End Cap / Latch | K Recess Mount Clip |
| D Spring Assembly | L Surface Mount Clip |
| E Brake | M Insect Pile / Weather Strip |
| F Bushing | N 1/8" (3mm) x 1-3/4" (44mm) Alternate Guide Rail Surface Mount Screws |
| G Cassette End Cap | |
| H Pull Bar End Cap | |



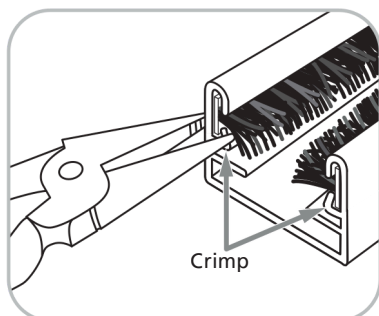
3 CUTTING THE CASSETTE

Notice that the A-ScreenCassette has two removable stickers labeled "Begin Measuring From This End" (Side A), and another labeled "Cut This End" (Side B). Starting from Side "A", mark your required dimension, then subtract 3/8" (9.5mm) from Step 2 width measurements.

$$\text{_____ (W)} - 3/8" = \text{_____}$$

The 3/8" (9.5mm) deduction is an allowance for the G-Cassette End Cap with E-Brake that you will install in STEP 5.

Firmly hold the A-Screen Cassette & Pull Bar and cut to size (including the screen). Hold upright and tap away the metal shavings.



4 CUTTING THE SIDE GUIDE RAILS

Notice that the B-Side Guide Rails already have a C-End Cap/Latch installed at one end of the rail. **DO NOT CUT THIS END**; cut the opposite end. Mark your required net height dimension, then subtract 2-1/8" (54mm) from Step 2 width measurements. Cut the B-Side Guide Rails to size. Hold upright and tap away the metal shavings.

Be sure to cut the end that does not have the G-Cassette End Cap already installed.

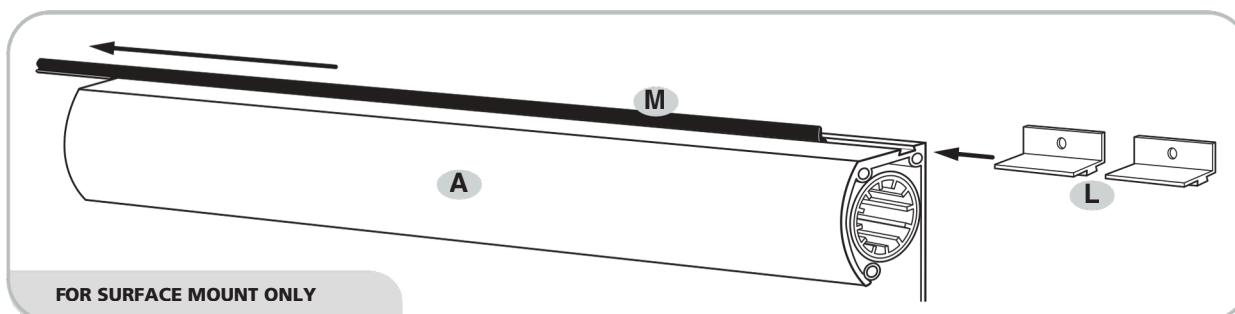
$$\text{_____ (H)} - 2-1/8" = \text{_____}$$

After cutting the B-Side Guide Rails, use pliers to crimp the M-Insect Pile/Weather Strip in place [see picture at left] so that it does not move in the holding channels.

5 INSECT PILE / WEATHER STRIP

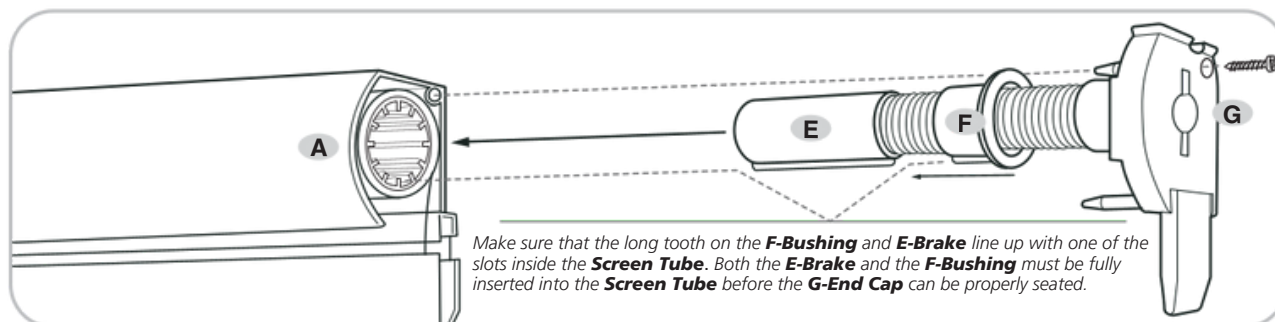
Recess Mount Applications : The M-Insect Pile/Weather Strip is already installed in the channel located on the rear of the Cassette.

Surface Mount Applications : Remove the M-Insect Pile/Weatherstrip from the channel at the top back of the A-Screen Cassette. Then slide the runners on the bottom of two (2) L-Surface Mount Clips into the same channel, BEFORE installing G-End Caps. Note: the position of the L-Surface Mount Clips can be adjusted at any time once installed in the channel.

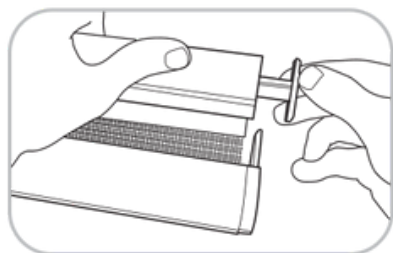


6 END CAP ASSEMBLY CONT.

The E-Brake, F-Bushing and G-Cassette End Cap come pre-assembled.



Slip the **F-Bushing** down the coiled spring to the **E-Brake**. On the open end of the **A-Screen Cassette**, insert the **E-Brake** with **F-Bushing** into the center of the **Screen Tube**, aligning the long tooth on both as noted above. Next, match up the large pin on the top of the **G-End Cap** to the corresponding hole at the top of the **A-Screen Cassette Housing**. Tap evenly with a soft mallet until the assembly fits snugly.



7 PULL BAR END CAP

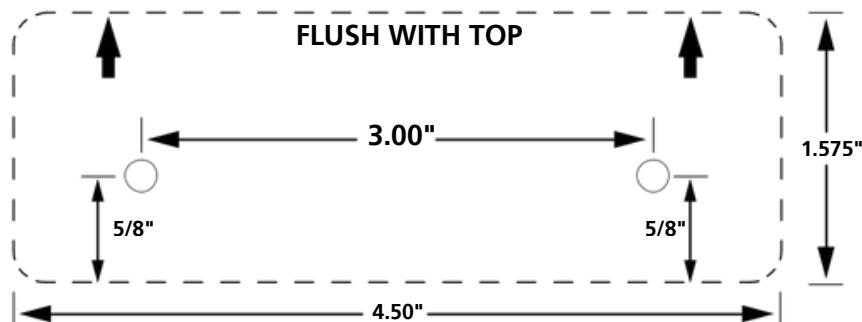
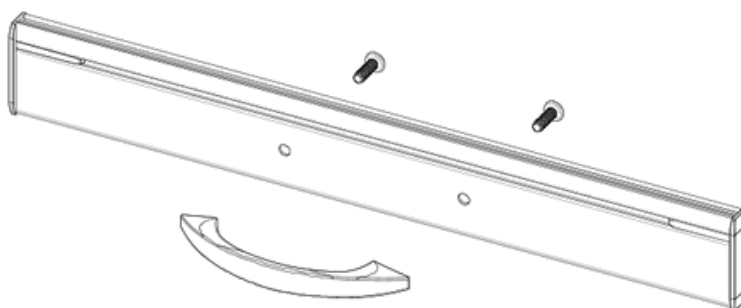
Insert the **H-Pull Bar End Cap** into the end of the **Pull Bar** and tap in place using a soft mallet.

8 HANDLE ASSEMBLY

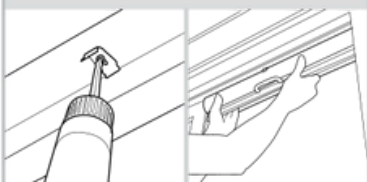
Step 1: Cut out template and position onto the pull rail at desired location. Use tape to hold in place.

Step 2: Drill two 3/16" holes all the way through the pull rail.

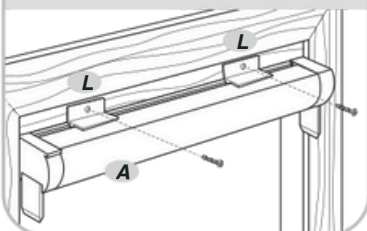
Step 3: Attach the handle using (2) #8-32 x 1/2" Phillips Pan Head screws.



8-A Recess Installation



8-B Surface Installation



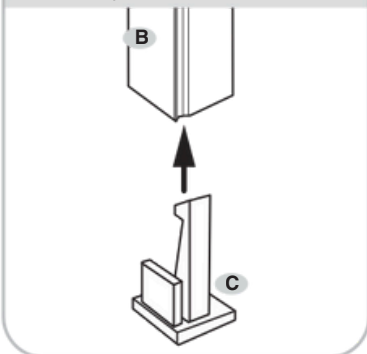
NOTE: It is critical that the Screen Cassette and Rails be installed square and plumb in the door opening. Apply shims (not supplied) as needed.

8 INSTALLING THE CASSETTE

8-A Recess Installation : Use J-#8x3/4" (19mm) Phillips Panhead Screws to install K-Recess Mount Clips to the door frame approx. 4" in from each side. Snap only the A-Screen Cassette into the Mount Clips.

8-B Surface Installation : Position the A-Screen Cassette, insert J-#8 x 1/4" (19mm) Phillips Panhead Screws into L-Surface Mount Clips and secure A-Screen Cassette to the frame.

9 End Cap/Latch Position



9 INSTALL THE SIDE RAILS

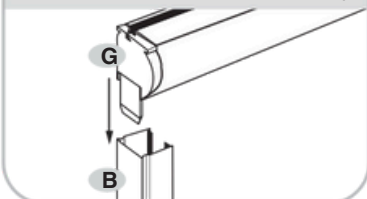
Before installing the two B-Side Guide Rails, rotate them so that the decorative groove on the rail and the C-End Cap / Latches are positioned as shown in [9]. The C-End Cap / Latch must be positioned in this manner in order for the 'hook' of the latch to correctly engage the A-Screen Cassette Pull Bar when the screen is extended.

9-A Recess Installation : Insert both B-Side Guide Rails onto the protruding tabs of the G-Cassette End Caps [9-A.1].

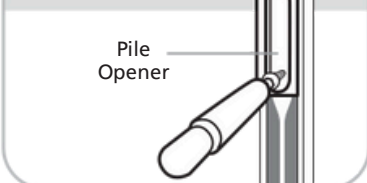
Align the B-Side Guide Rails into the final position. Drill 3/16" (5mm) pilot holes at 3" (76mm) in from either end and in the center in between. Attach the B-Side Guide Rail to the door frame using J-#8 x 3/4" (19mm) Phillips Panhead Screws. When installing the B-Side Guide Rail, use the Black Plastic Pile Opener Tool that is provided with the screen kit to move the M-Insect Pile/Weather Strip out of the way while screwing the rails to the frame [9-A.2].

9-B Surface Installation : Using the decorative trim groove as a guide (and staying to the outside of the glide platforms inside the rail), drill 1/8" (3mm) holes through both sides of the B-Side Guide Rail. Begin by drilling holes approximately 3" (8cm) in from each end and then evenly space additional holes about every 12" (30cm). Secure the Guide Rail to the window with N-1/8" (3mm) x 1-3/4" (44mm) Alternate Guide Rail Surface Mount Screws provided in the bag labeled Surface Mount Kit. Do not over tighten screws.

9-A.1 Side Rail to Cassette End Cap

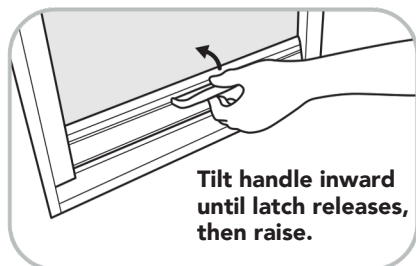


9-A.2 Recess Install



9-B Surface Install





OPERATION OF THE SCREEN

The internal lock mechanism will automatically catch once the rollerscreen is fully extended. To retract the screen, nudge the I-Pull Handle inwards slightly to release the lock.

WARNING: Please use eye protection when cutting and installing your screen.

This is not a safety or security screen. This product will not stop a child or pet from falling, provide security or protect your belongings.

TROUBLESHOOTING GUIDE

RETRACTABLE SCREEN IS DIFFICULT TO PULL OR BOUNCES AS IT OPENS AND CLOSES:

- ▶ Check B-Side Guide Rails for screws that are not flush to the side housing. A lopsided screw head could interfere with screen action.
- ▶ Clean any debris from inside the B-Side Guide Rails.
- ▶ Make sure A-Screen Cassette has a 90° cut. If not, trim to a straight cut.
- ▶ Abouncing effect may indicate that the F-Bushing is not properly inserted inside the Screen Tube.
- ▶ Check if A-Pull Bar is rubbing against the B-Side Guide Rails. Trim down accordingly.
- ▶ Check to see that the H-Pull Bar End Cap is gliding freely.

THE RETRACTABLE SCREEN BINDS OR WILL NOT RETRACT INTO THE CASSETTE HOUSING PROPERLY:

- ▶ See above steps.
- ▶ Make sure screen fabric is cut clean. A jagged cut will interfere with screen action.
- ▶ Check to see if the housing or inner tube have been twisted, bent or otherwise damaged during shipping.

SCREEN HAS BECOME TORN OR DAMAGED:

- ▶ Replace the mesh using a Screen Refill Replacement Kit.

Genius Retractable Screens provide insect protection and support fresh, natural ventilation in low-wind conditions. Unlike 4-sided rigid framed screens, Genius Retractable Screens move in and out of a protective cassette and the exposed surface area and edges of the fabric are flexible. Consequently, the wind speed that a retractable screen can withstand (e.g. before the edges of the screen fabric may push out of the guide rails), will depend on the width and height of the opening, the openness factor of the specific screen fabric and, other design factors of the model. Retractable screens are not to be kept open or continually exposed to wind, sun, rain or other harsh conditions. Please be sure to use your retractable screen only during low-wind conditions.