

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



# MILANO 200 DOUBLE DOOR

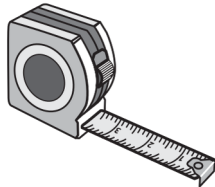
## RETRACTABLE SCREEN DOOR **INSTALLATION INSTRUCTIONS**

### INSTALLATION TOOLS

PHILLIPS SCREWDRIVER



MEASURING TAPE

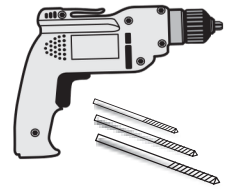


HAND-HELD OR POWER SAW



Use saw  
blade suitable  
for cutting  
aluminum.

POWER DRILL & BITS



## INTRODUCTION

The Genius Milano 200 retractable screen features two, fully assembled Screen Cassettes pre-sized for the opening dimensions you have provided.

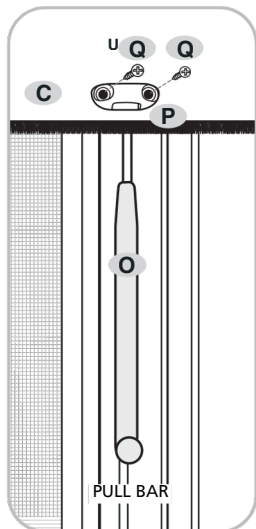
The instructions are split into two sections: **RECESS INSTALLATION, PAGE 2,** and **SURFACE INSTALLATION, PAGE 6.** Determine which you need before starting.

The Milano can be made using different sized and styled A-Screen Cassettes.

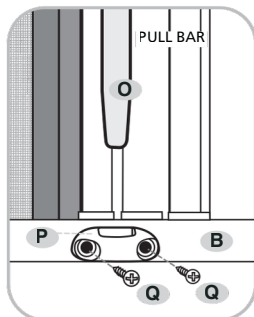
The illustrations shown in these instructions are intended for instructional use.

# MILANO 200 RECESS INSTALLATION

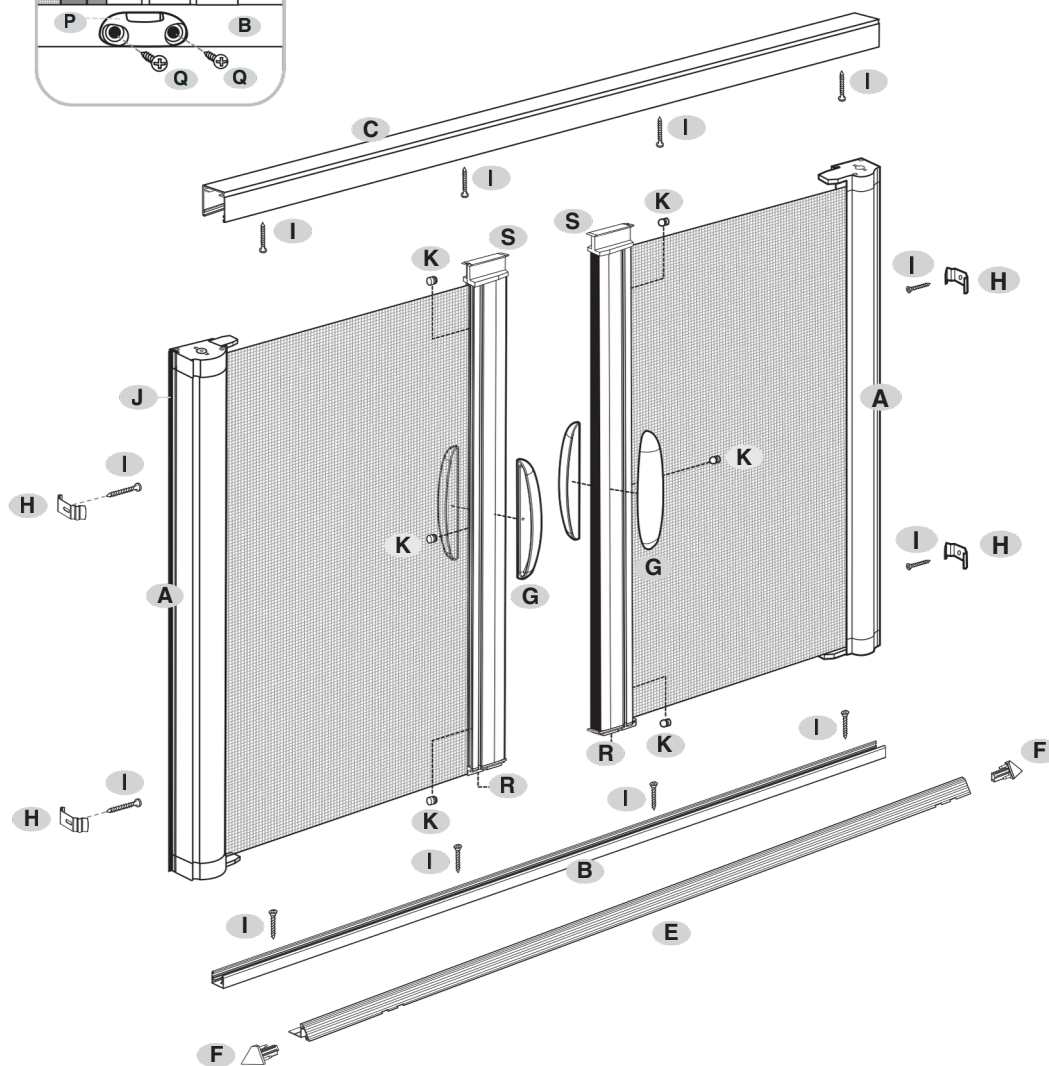
PAGE 2



Optional Top Slide Bolt



Optional Bottom Slide Bolt



## PART DESIGNATIONS

- A** Screen Cassette Assembly
- B** Bottom Guide Rail
- C** Top Guide Rail
- E** Threshold Transition (optional, ordered separately)

- F** Threshold Transition End Caps (optional, ordered separately)
- G** Handle
- H** Recess Mount Clips
- I** #8 x 3/4" (19mm) Phillips Panhead Screws

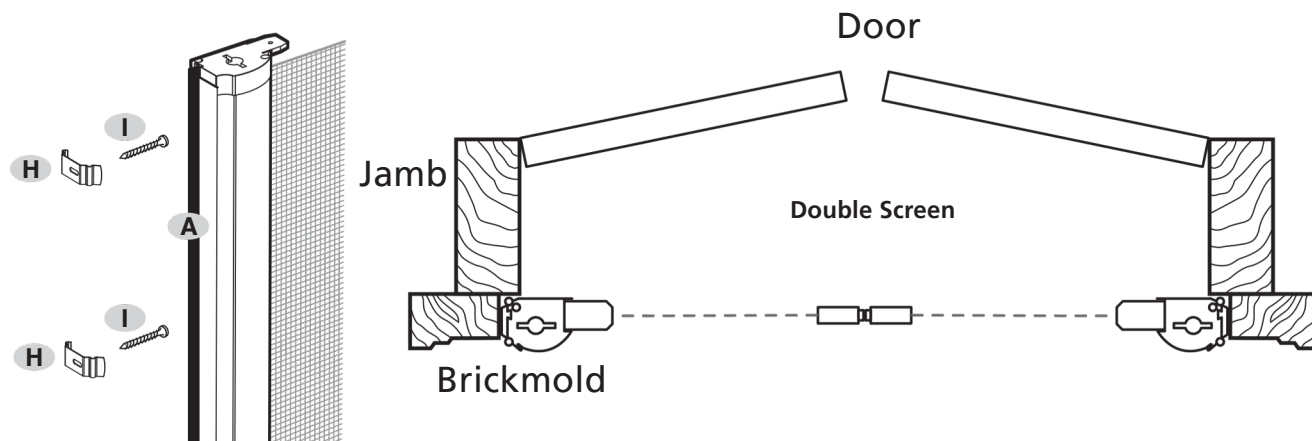
- J** Pile / Weather Strip
- K** Rubber Bumpers
- O** Slide Bolts
- P** Slide Bolt Retainers
- Q** #4 x 3/8" (9.5mm) Phillips Panhead Screws

# RECESS INSTALLATION

## 1 MOUNTING

The A-Screen Cassettes will be mounted inside the door frame using H-Recess Mounting Clips and I-#8x3/4" (19mm) Phillips Panhead Screws.

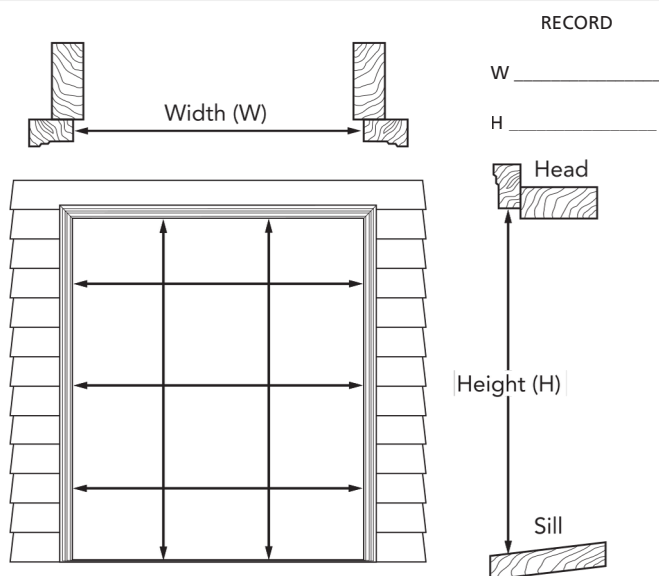
### 1-A Recess Installation



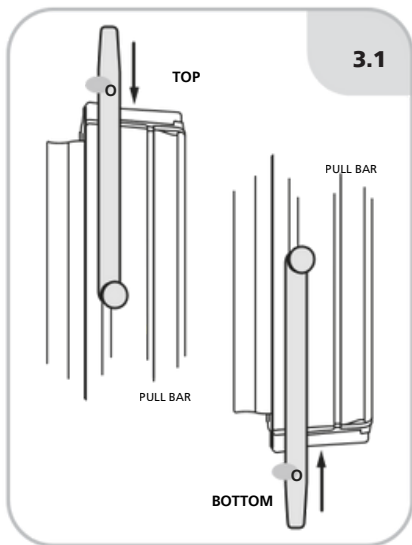
## 2 MEASURING

Measure the opening width and height in several places and record the smallest width and height measurement. Before ordering your custom made Milano Retractable Screen, if you plan to also use a Genius Threshold Transition and/or Genius Sloped Sill Wedge Shims, you need to deduct a 1/16" and 1/8" respectively in the opening height for these items by reducing the height of the opening that you provide to Genius when ordering. If these deductions were not made before ordering your screen, you will need to trim-down the A-Cassette Assembly by 1/16" and, the Pull Bar by 1/8" to allow for these items. The steps can be referenced at [www.geniusscreens.com](http://www.geniusscreens.com).

### Recess Installation



# RECESS INSTALLATION



## 3 OPTIONAL • INSTALLING THE SLIDE BOLT ACCESSORY LOCK

Identify which of the two screen panels will be the one most often used to enter and exit the home. You will install the Slide Bolt Accessory Lock on the interior side less used.

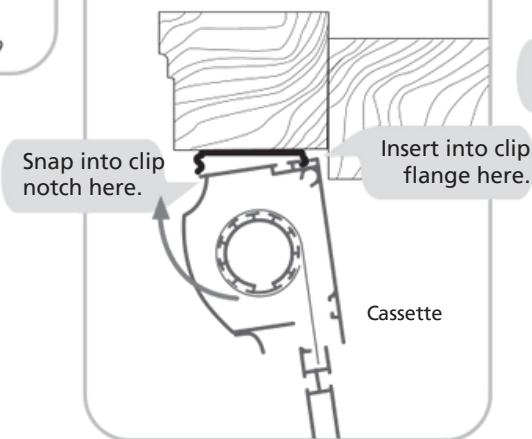
In the interior groove of the pull bar, **slide in an S-Slide Bolt at the bottom and then another at the top**. Make certain that the pointed end of each Slide Bolt faces out [3.1].



## 4 INSTALLING THE CASSETTES

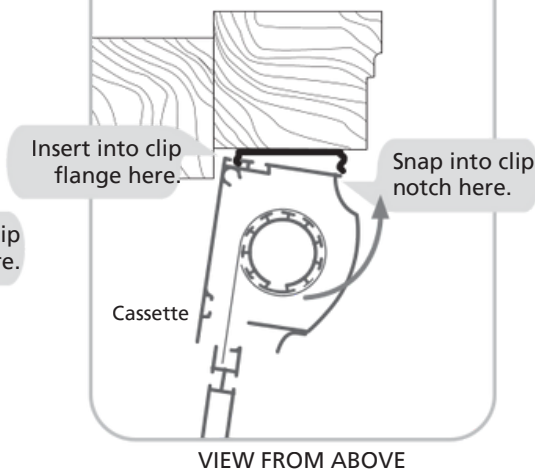
Turn the A-ScreenCassette so that the taller of the plastic S-Pull Bar End Cap is at the top. Using the I-#8 x 3/4" (19mm) Phillips Panhead Screws, install the H-Recess Mounting Clips 16" from the top and bottom of both sides of the door opening [4.1]. Lock one of the A-Screen Cassettes onto the mounting clips [4.2 & 4.3]. The second A-Screen Cassette will be installed at step 6. Please note a taller screen may include one additional mounting clip to be positioned at center of cassette.

### 4.2 Recess Installation Left

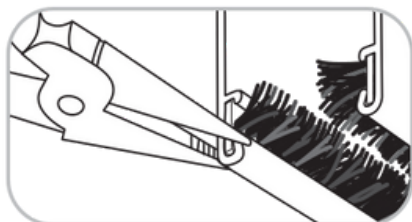


VIEW FROM ABOVE

### 4.3 Recess Installation Right



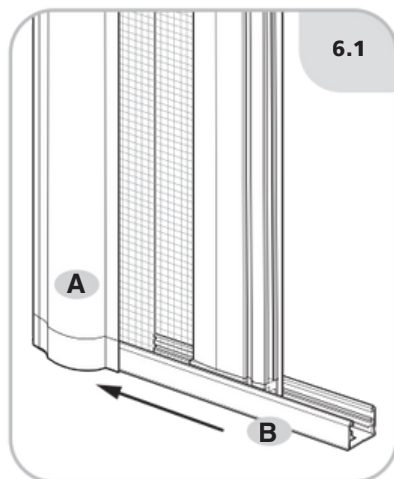
VIEW FROM ABOVE



## 5 CRIMP WEATHER STRIPS

Crimp the upraised channel lip on the inside of each corner of the C-Top Guide Rail to keep the J-Pile/Weather Strip from moving, as shown at left.

# RECESS INSTALLATION



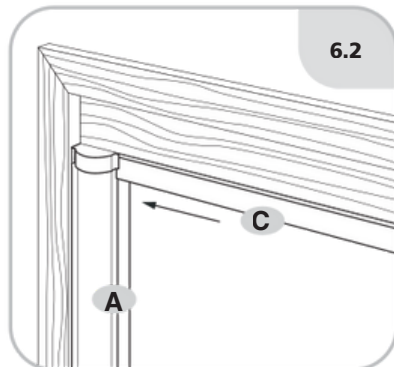
## 6 INSTALLING THE TOP AND BOTTOM GUIDE RAILS AND SECOND CASSETTE

Slide the B-Bottom Guide Rail fully onto the tab on the A-Screen Cassette

End Cap [6.1]. Repeat for the C-Top Guide Rail [6.2].

Turn the second A-Screen Cassette so that the taller of the plastic S-Pull Bar End Cap is at the top. On the opposite end of the top and bottom guide rails, insert the tabs of the second Cassette. Move the Cassette and guide rails into position within the door opening then clip the second Cassette into the Recess Mounting Clips.

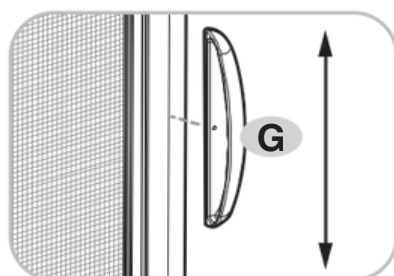
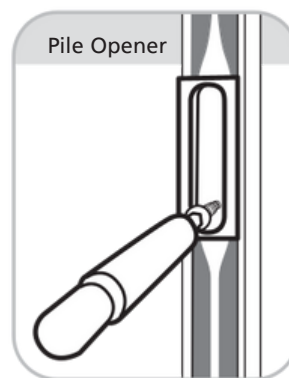
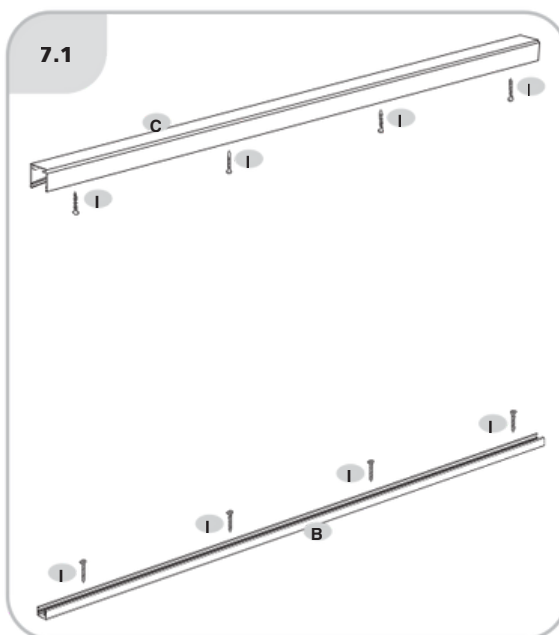
If it seems a bit too snug to get the second A-Screen Cassette positioned and locked to the H-Recess Mounting Clips, you may trim up to 1/8" off one end of both the C-Top Guide Rail and B-Bottom Guide Rail and try again.



## 7 SECURE THE RAILS WITH SCREWS

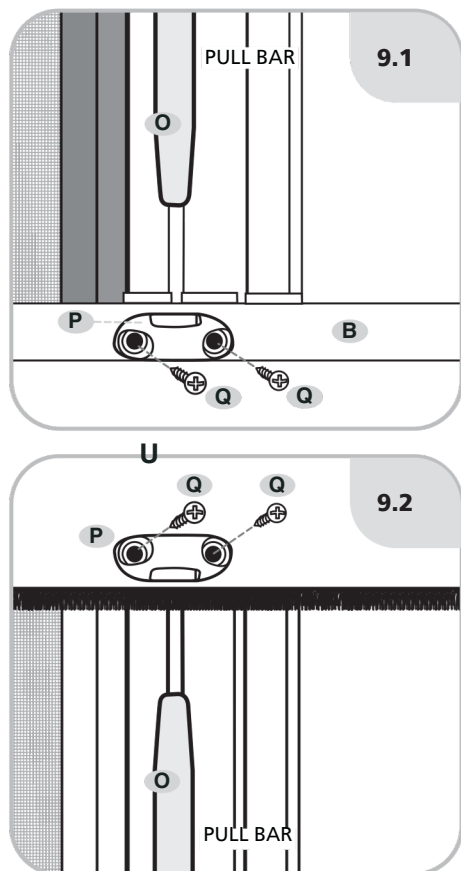
Secure the B-Bottom Guide Rail and C-Top Guide Rail with four I-#8 x 3/4" (19mm) Phillips Panhead Screws each [7.1]. Position screws 6" (150mm) in from each end and equally space the remaining screws. Please note: the number of installation screws will vary depending on the opening size.

When installing the Bottom and Top Guide Rail, use the convenient Pile Opener included with this kit, to temporarily separate the two insect piles. This will make for easier viewing and installation of the screws.



## 8 ADJUSTING THE HANDLES

Adjust the G-Handle heights by loosening the Allen-Head Set Screw, move the G-Handle as desired and retighten screw.



## 9 OPTIONAL • INSTALLING SLIDE BOLT RETAINERS (APPLICABLE ONLY IF STEP THREE WAS IMPLEMENTED)

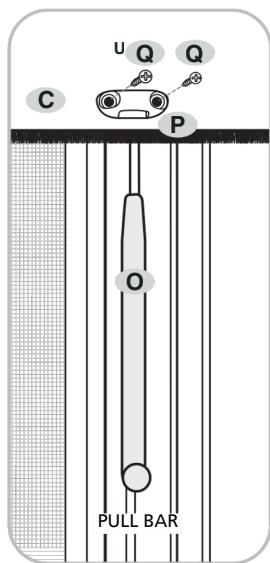
Close the screen doors. Now, on the **B-Bottom Guide Rail** and the **C-Top Guide Rail**, make pencil marks to the center of the channel in which you've installed the Slide Bolts.

Center the bottom **P-Slide Bolt Retainer** to your channel mark, with the bottom of the **Retainer** flush to the bottom of the **B-Bottom Guide Rail**. Pencil mark the position for the screws, set the **Retainer** aside, and drill 1/8" holes. Then attach the **P-Slide Bolt Retainer** using (2) **Q-#4 x 3/8" Phillips Panhead Screws** [9.1].

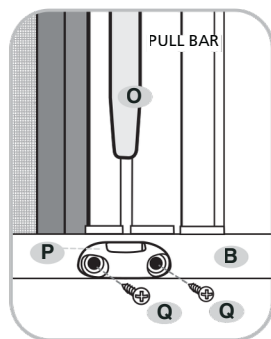
Position the top **P-Slide Bolt Retainer** so that it also centers to the channel mark, with the bottom of the **Retainer** flush with the bottom of the **C-Top Guide Rail**. Pencil mark the position for the 4 screws, set aside the **Retainer** and drill 1/8" holes. Attach the **P-Slide Bolt Retainer** using (4) **Q-#4 x 3/8" Phillips Panhead Screws** [9.2].

# MILANO 200 SURFACE INSTALLATION

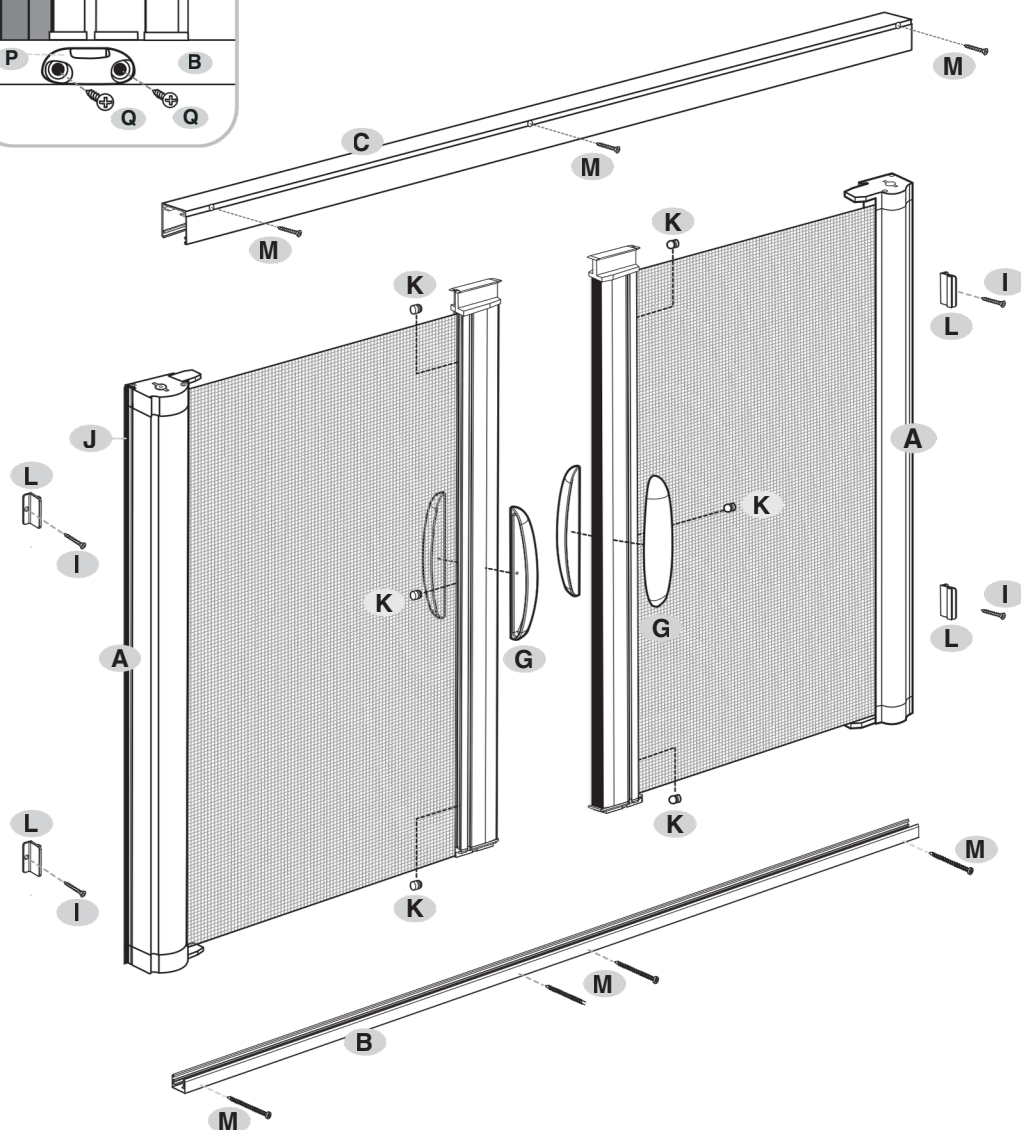
PAGE 7



Optional Top Slide Bolt



Optional Bottom Slide Bolt



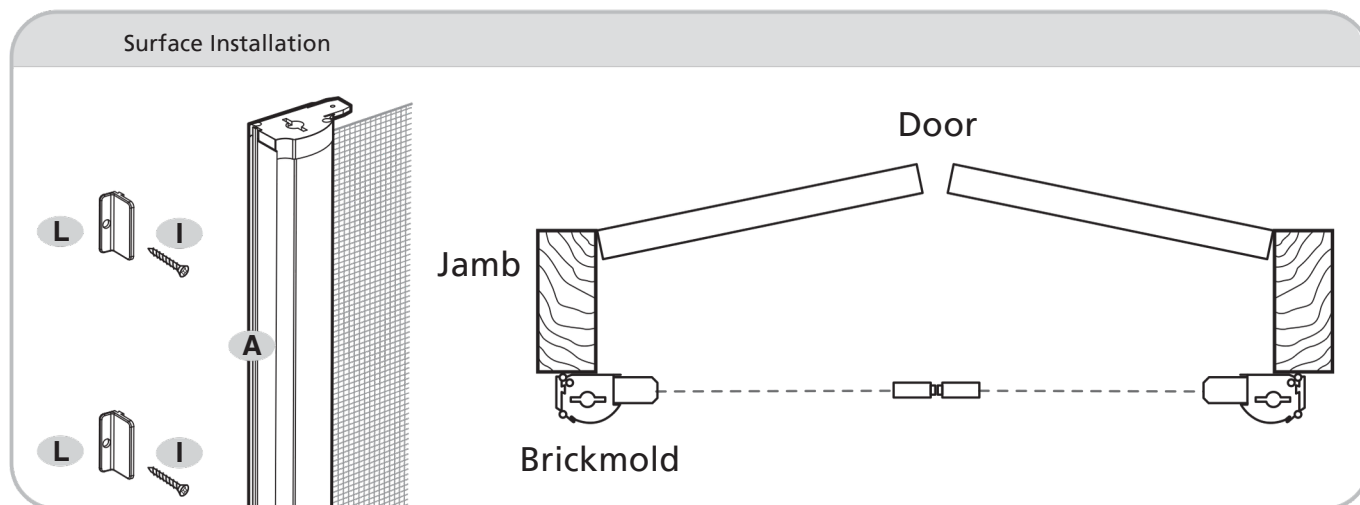
## PART DESIGNATIONS

- |                                                   |                                                          |                                                    |
|---------------------------------------------------|----------------------------------------------------------|----------------------------------------------------|
| <b>A</b> Screen Cassette Assembly                 | <b>J</b> Pile / Weather Strip                            | <b>P</b> Slide Bolt Retainers                      |
| <b>B</b> Bottom Guide Rail                        | <b>K</b> Rubber Bumpers                                  | <b>Q</b> #4 x 3/8" (9.5mm) Phillips Panhead Screws |
| <b>C</b> Top Guide Rail                           | <b>L</b> Surface Mount Clips                             |                                                    |
| <b>G</b> Handle                                   | <b>M</b> 1/8" (3mm) x 1-3/4" (44mm) Surface Mount Screws |                                                    |
| <b>I</b> #8 x 3/4" (19mm) Phillips Panhead Screws | <b>O</b> Slide Bolts                                     |                                                    |

# SURFACE INSTALLATION

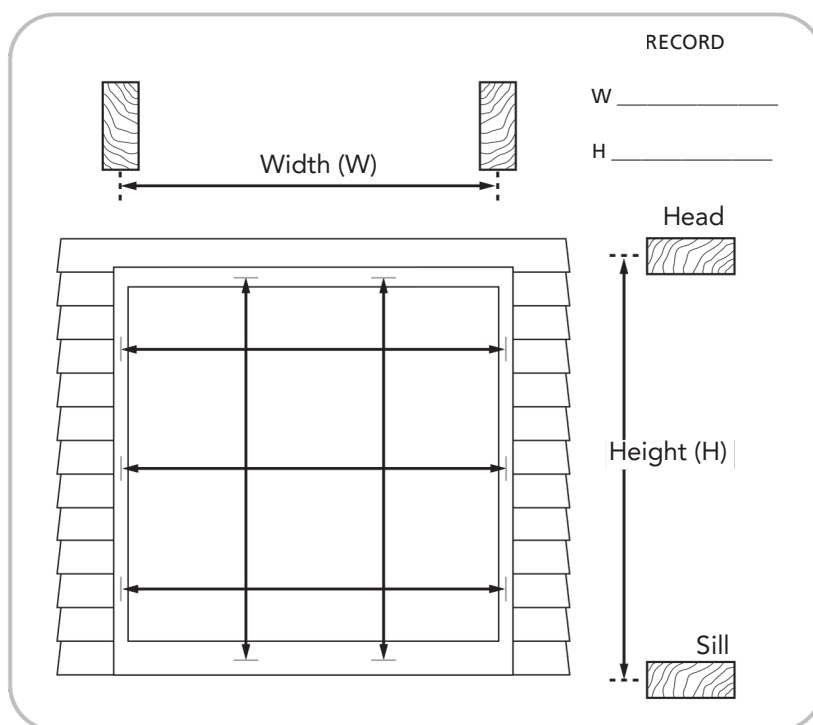
## 1 MOUNTING

Surface / Flush Mount the A-Screen Cassette using L-Surface Mounting Clips and I-#8x3/4" (19mm) Phillips Panhead Screws

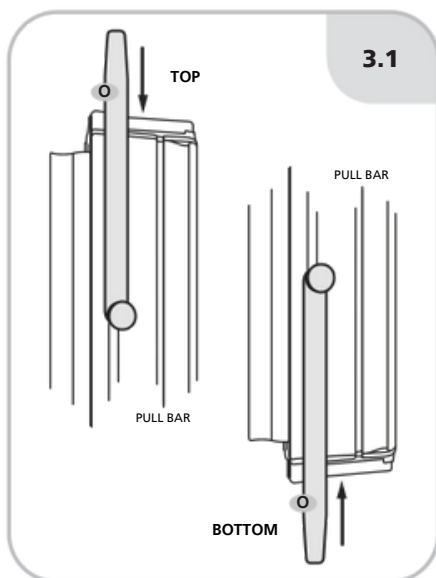


## 2 MEASURING

Measure the opening width and height in several places and record the smallest width and height measurement.



# SURFACE INSTALLATION

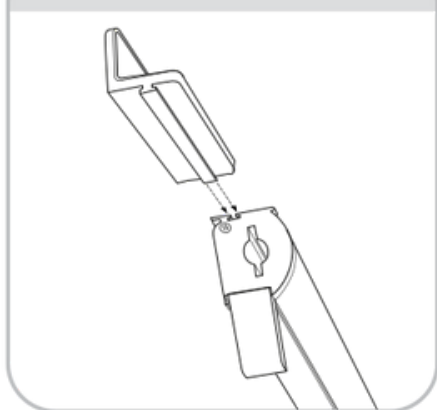


## 3 OPTIONAL • INSTALLING THE SLIDE BOLT ACCESSORY LOCK

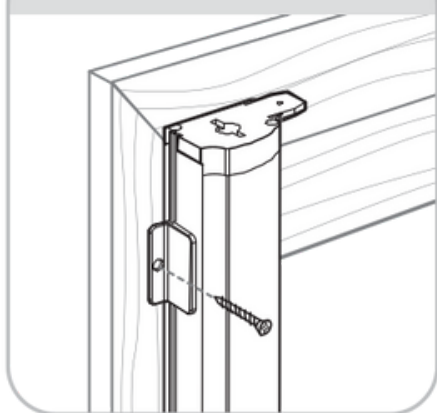
Identify which of the two screen panels will be the one most often used to enter and exit the home. You will install the Slide Bolt Accessory Lock on the interior side less used.

In the interior groove of the pull bar, **slide in an S-Slide Bolt at the bottom and then another at the top**. Make certain that the pointed end of each Slide Bolt faces out [3.1].

### 4.1 L-Clips for Surface Install



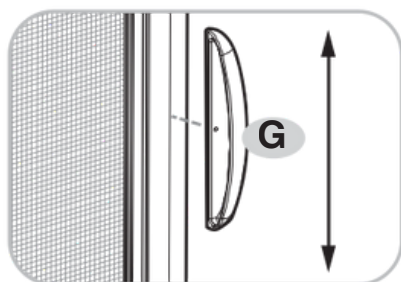
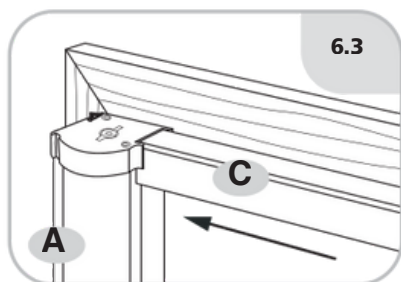
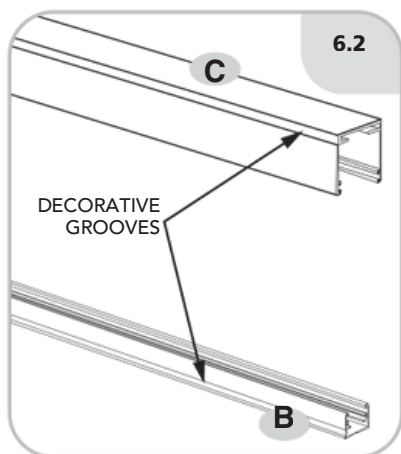
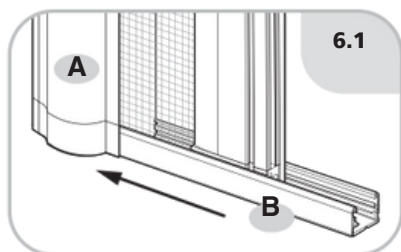
### 4.2 Surface Installation



## 4 INSTALLING THE CASSETTES

Turn the A-Screen Cassette so that the taller of the plastic S-Pull Bar End Cap is at the top. Remove and discard the P-Pile/Weather Strip from the back of both A-Screen Cassette. Slide two L-Surface Mount Clips into the groove on the rear of each of the A-Screen Cassette before proceeding [4.1]. Position one of the A-Screen Cassette, and use I-#8 x 3/4" (19mm) Phillips Panhead Screws to secure L-Surface Mount Clips to the opening [4.2]. The second A-Screen Cassette will be installed at step 6. Please note, a taller screen may include an additional mounting clip to be positioned at center of cassette.

# SURFACE INSTALLATION



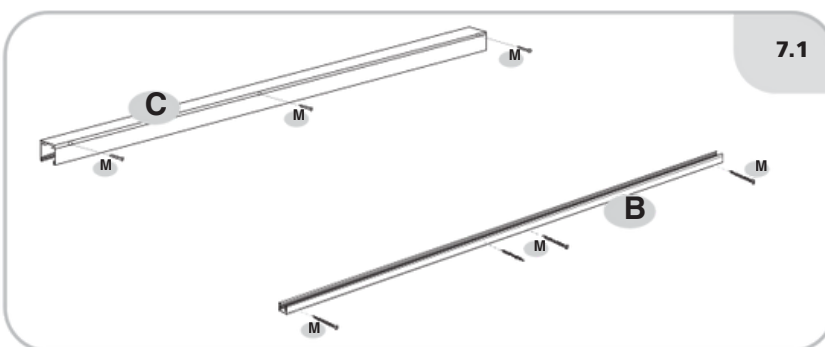
## 6 INSTALLING THE TOP AND BOTTOM GUIDE RAILS AND SECOND CASSETTE

Turn the second A-Screen Cassette so that the taller of the plastic S-PullBar End Cap is at the top. Slide the B-Bottom Guide Rail fully onto the tabs of both the left and right side A-Screen Cassette End Cap [6.1]. Slide the C-Top Guide Rail onto the tabs of both the left and right side A-Screen Cassette [6.3]. Position the second A-Screen Cassette while making sure that the entire screen is plumb, level and square. Use I-#8 x 3/4" (19mm) Phillips Panhead Screws to secure the L-Surface Mount Clips of the second A-Screen Cassette to the opening [4.2]. Note: The B-Bottom Guide Rail and C-Top Guide Rail each have a decorative groove on one side. This decorative groove should face the outside [6.2].

## 7 SECURE THE RAILS WITH SCREWS

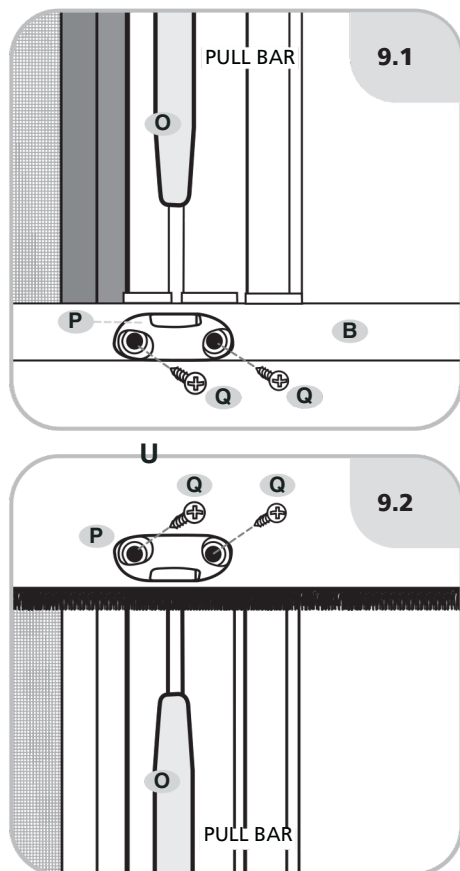
**C-Top Guide Rail:** Using the Decorative Trim Groove [6.2] as a guide, staying above the glide platforms inside the Top Guide Rail, drill three (3) 1/8" (3mm) holes at a location with one positioned 4" in from each end and one centered. Drill through both sides of the Top Guide Rail. Secure the Top Guide Rail to the entry with M-1/8" (3mm) x 1-3/4" (44 mm) Surface Mount Screws. Do not over tighten. Please note, the number of installation screws will vary depending on the opening width.

**B-Bottom Guide Rail:** Using the Decorative Trim Groove [6.2] as a guide (staying underneath the glide platforms inside the Bottom Guide Rail), drill four 1/8" (3mm) holes as shown [7.1] and through both sides of the B-Bottom Guide Rail. Secure the rails to the frame using M-1/8" (3mm) x 1-3/4" (44mm) Surface Mount Screws. Do not over tighten. If the B-Bottom Guide Rail will be positioned where it is susceptible to being stepped upon, kicked or otherwise bent, then add structural support for the B-Bottom Guide Rail to rest upon. A 1/2" x 1/2" "L" shaped aluminum extrusion is recommended. This or another support material may be purchased at a local hardware store.



## 8 ADJUSTING THE HANDLES

Adjust the G-Handle heights by loosening the Allen-Head Set Screw, move the G-Handle as desired and retighten screw.



## 9 OPTIONAL • INSTALLING SLIDE BOLT RETAINERS (APPLICABLE ONLY IF STEP THREE WAS IMPLEMENTED)

Close the screen doors. Now, on the B-Bottom Guide Rail and the C-Top Guide Rail, make pencil marks to the center of the channel in which you've installed the Slide Bolts.

Center the bottom P-Slide Bolt Retainer to your channel mark, with the bottom of the Retainer flush to the bottom of the B-Bottom Guide Rail. Pencil mark the position for the screws, set the Retainer aside, and drill 1/8" holes. Then attach the P-Slide Bolt Retainer using (2) Q-#4 x 3/8" Phillips Panhead Screws [9.1].

Position the top P-Slide Bolt Retainer so that it also centers to the channel mark, with the bottom of the Retainer flush with the bottom of the C-Top Guide Rail. Pencil mark the position for the 4 screws, set aside the Retainer and drill 1/8" holes. Attach the P-Slide Bolt Retainer using (4) Q-#4 x 3/8" Phillips Panhead Screws [9.2].

## TROUBLESHOOTING GUIDE

### THE DOOR'S BOTTOM THRESHOLD SLOPES STEEPLY:

- The **Bottom Guide** will not work properly installed at an angle.

Use wedge shims to adjust the **Bottom Guide** until level.

### SCREEN IS TORN OR DAMAGED:

- Replace the mesh using a **Screen Refill Kit**.

### THE CLOSING MAGNETS DO NOT FULLY SEAL OR THE SCREEN DOES NOT CLOSE EVENLY:

► Clean the **Magnets** using mild soap and water.

► Clean any debris from inside the **Bottom Guide**. Debris can interfere with closing and smooth screen operation.



**? INSTALLATION QUESTIONS ? MISSING PARTS ? REPLACEMENT PARTS ?**  
CONTACT **METRO SCREENWORKS** @ 1 800 413 2579 • METROSCREENWORKS.COM

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.



# INSTALLATION BULLETIN

## for THRESHOLD/ SILL APPLICATIONS

There are a multitude of door threshold/sill designs and these must be considered before you install your **Retractable Screen**. For a proper installation, it is important to have or create a level and stable surface for mounting the bottom guide of the retractable screen.

Before beginning, identify the exact location where the **Screen Cassette** will be installed, because this will influence the position of the **Bottom Guide**.

The following are some of the more typical threshold/sill designs and solutions for dealing with these instances.

### PLEATED SHEER SCREEN Pleated Sheer Screen Bottom Guide

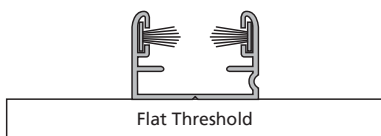


## A1

### FLAT THRESHOLD/SILL for PLEATED SHEER SCREEN

INSTRUCTIONS: Clean the surface and then mount the **Retractable Screen Bottom Guide** directly to the threshold/sill.

### TRADITIONAL RETRACTABLE Traditional Retractable Screen with Smooth Fabric

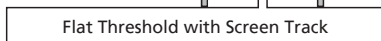


## A2

### FLAT THRESHOLD/SILL for TRADITIONAL SCREENS

INSTRUCTIONS: Clean the surface and then mount the **Retractable Screen Bottom Guide** directly to the threshold/sill.

### Platform Transition (or similar)



## B1

### FLAT THRESHOLD/SILL with SCREEN TRACK

INSTRUCTIONS: To span over an existing screen track and create a flat and stable surface, install material such as shown. Most hardware stores sell shim materials or various shaped aluminum profiles to achieve the same result.

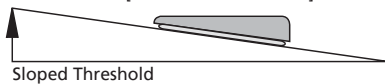
# INSTALLATION BULLETIN

## for THRESHOLD/SILL APPLICATIONS

2

### SHEER SCREEN

Bottom Guide Rail  
for Sloped Sills  
[Part No. 50-00054-0-0]

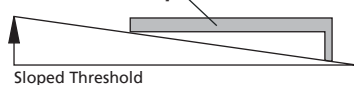


C1

### SLOPED THRESHOLD/SILL for PLEATED SHEER SCREEN

INSTRUCTIONS: If installing the Pleated Sheer Screen by Genius, then use the flat Bottom Guide Rail that came with the screen (this works even on sloped sills with up to a 5 degree slope). For more severely angled sills, use the special Pleated Sheer Screen Bottom Guide Rail designed for Sloped Sills [C1].

Sloped Sill Wedge Shims from Genius  
[Part No. 06-53000-0-5, 12" Long & Snap-Together,  
or Part No. 06-53010-0-5, if installing  
aluminum transition]

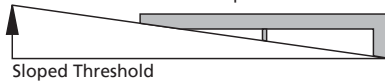


C2

### SLOPED THRESHOLD/SILL for TRADITIONAL SCREENS

INSTRUCTIONS: For all other Retractable Screen styles you will need to make a flat and stable surface by installing shim material using the Genius Sloped Sill Wedge Shims [Part #: 06-53000-0-5], or [Part # 06-53010-0-5] if installing aluminum transition [C2].

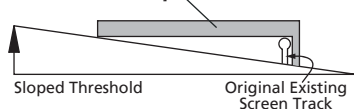
Generic Sloped Sill Shim



C3

Most hardware stores sell an "L" shaped aluminum trim that works nicely for this purpose [C3].

Sloped Sill Wedge Shims from Genius  
[Part No. 06-53000-0-5, 12" Long & Snap-Together,  
or Part No. 06-53010-0-5, if installing  
aluminum transition]

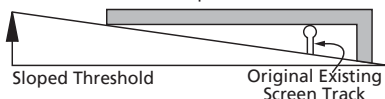


D1

### SLOPED THRESHOLD/SILL with SCREEN TRACK

INSTRUCTIONS: To span over an existing screen track and, make a flat and stable surface, install shim material such as the threshold/sill using the Genius Sloped Sill Wedge Shims [Part #: 06-53000-0-5], or [Part # 06-53010-0-5] if installing aluminum transition [D1].

Generic Sloped Sill Shim



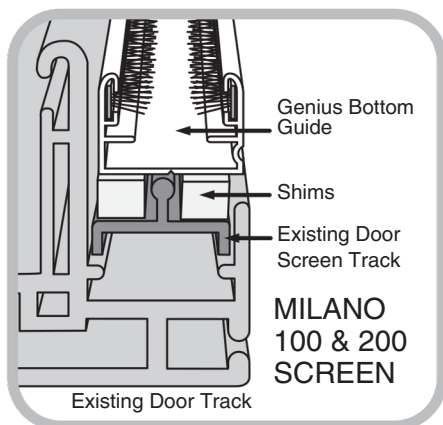
D2

Most hardware stores sell a flat stock or an "L" shaped aluminum trim that works nicely for this purpose [D2].

# INSTALLATION BULLETIN

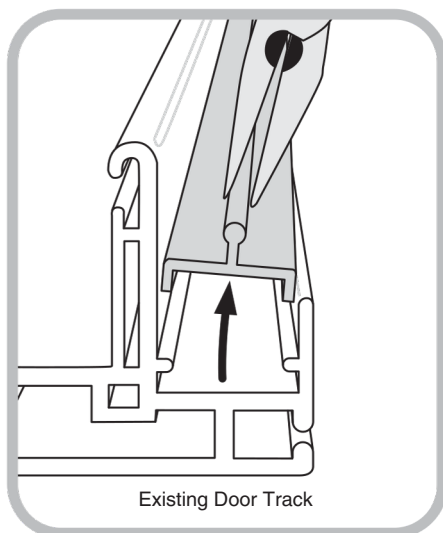
## for THRESHOLD/SILL APPLICATIONS

3

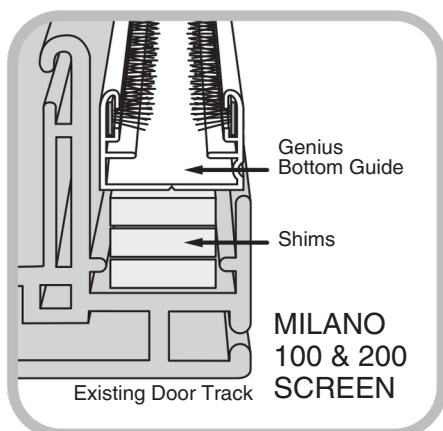


### E1 SLIDING PATIO DOOR THRESHOLDS with SCREEN TRACK

INSTRUCTIONS: Many Patio Doors have a Screen Track [E1] that will now be obsolete with the installation of your Retractable Screen. For all Genius non-pleated screens, there are instances where resting the Bottom Guide above the existing screen track is the desirable method. If needed, add shims to create a stable, level surface for mounting the Guide.



### E2 If however, the existing door's Screen Track is removable, take out the Track by hand or with pliers [E2].



### E3 Then add non-degradable shim material (plastic, nylon or similar) [E3] to create a flat and stable surface for the Milano 100 or 200 Retractable Screen Bottom Guide Rail.

# INSTALLATION BULLETIN

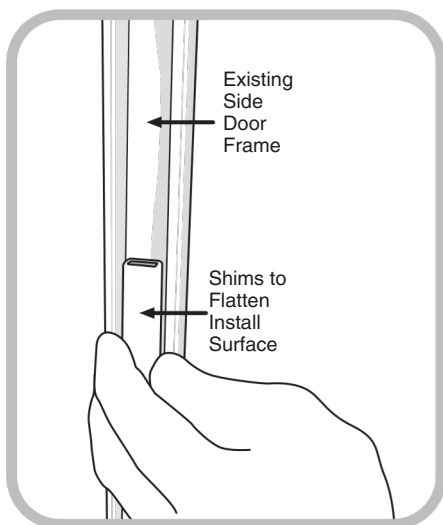
## *for TOP & SIDE GUIDE RAILS*

4



# INSTALLATION BULLETIN

## *for TOP AND SIDE GUIDE RAILS*



### A1 EXISTING SIDE RAIL PREPARATION with SHIMS

**INSTRUCTIONS:** Since there are a multitude of door master frame designs, all surfaces where you will be mounting the screen must be considered before you install the Retractable Screen.

In the case of the side rails, again, existing door frames may have multiple channels, or flanges of different heights, that make for a surface too uneven for efficient installation of your new screen. In this case, you will need to shim this channel or channels to the height of the tallest flange in the existing side door frame. It is recommended you order or find shims made of a non-degradable material (plastic or nylon, for example) that can be fitted into the channel(s), of sufficient length to ensure a flat and vertically plumb surface for the new side rail.

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.