



# SIERRA 100

## SINGLE DOOR SCREEN

### OWNER'S GUIDE AND INSTALLATION

#### SIERRA 100 RETRACTABLE SCREEN DOOR

Thank you for choosing the GENIUS® SIERRA retractable screen door. Your new door features a fully-assembled screen cassette pre-sized for opening sizes indicated on the packaging. This screen is intended for use with single panel hinged (swinging) entry doors. If the door opening is a different size or if you need a different type of product (double panel screen), please contact us for assistance or visit [www.geniusscreens.com](http://www.geniusscreens.com).

Please read the complete installation instructions before proceeding with installation.

#### INSTALLATION TOOLS

Power Screw  
Driver with  
Phillips Bit  
  
Hacksaw  
  
Tape Measure

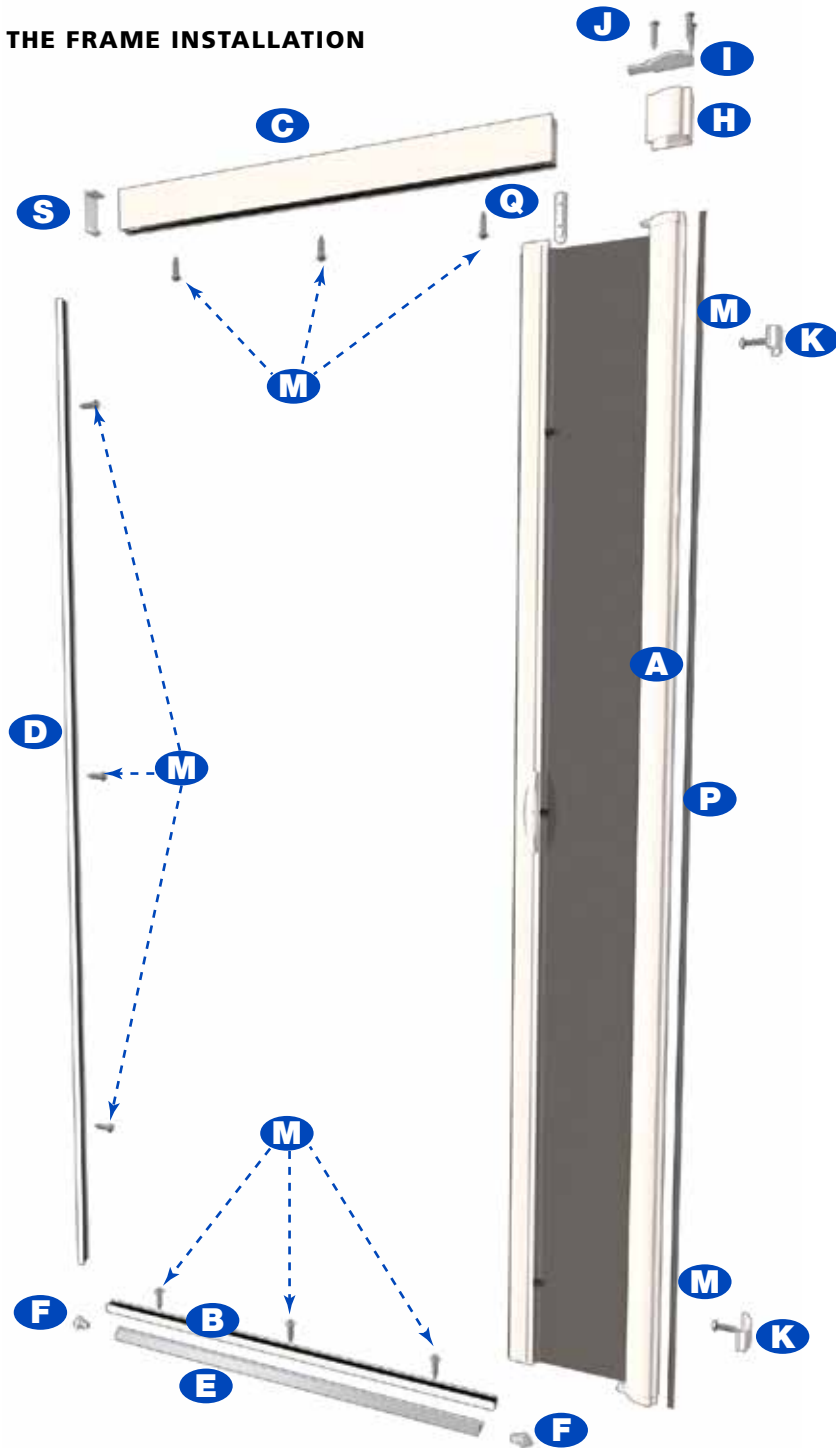


Installation Questions?  
Replacement Parts?  
**WE CAN ASSIST YOU.**  
**1-866-523-9511**

Watch the installation video at  
[www.geniusscreens.com/videos/](http://www.geniusscreens.com/videos/)  
or scan this QR Code

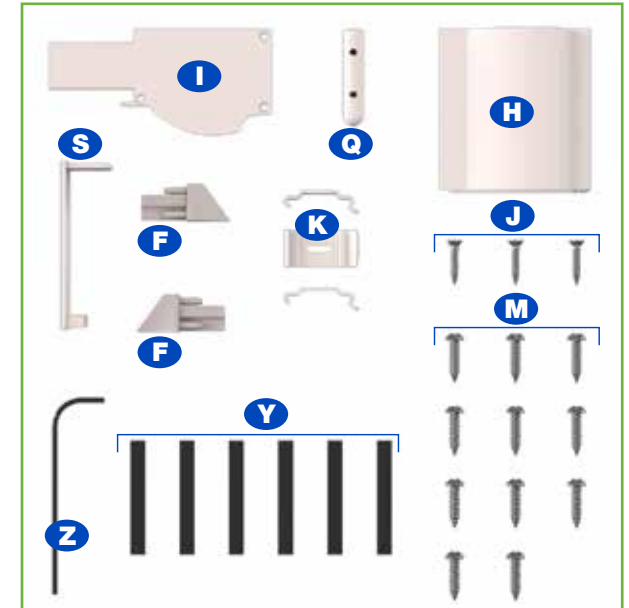


**INSIDE THE FRAME INSTALLATION**



**PART DESIGNATIONS**

- |  |  |
|--|--|
| <b>A</b> Screen Cassette Assembly      | <b>J</b> #6 x 3/4" (19mm) Phillips Flathead Screws for Boot Body End Cap |
| <b>B</b> Bottom Guide Rail             | <b>K</b> Recess Mount Clips  |
| <b>C</b> Top Guide Rail                | <b>M</b> #8 x 3/4" (19mm) Phillips Panhead Screws                        |
| <b>D</b> Side Rail with Magnet         | <b>P</b> Weather Strip   |
| <b>E</b> Threshold Transition          | <b>Q</b> Top Retainer Guide  |
| <b>F</b> Threshold Transition End Caps | <b>S</b> Top Guide End Cap   |
| <b>H</b> Boot Body                     |  |
| <b>I</b> Boot Body End Cap             |  |

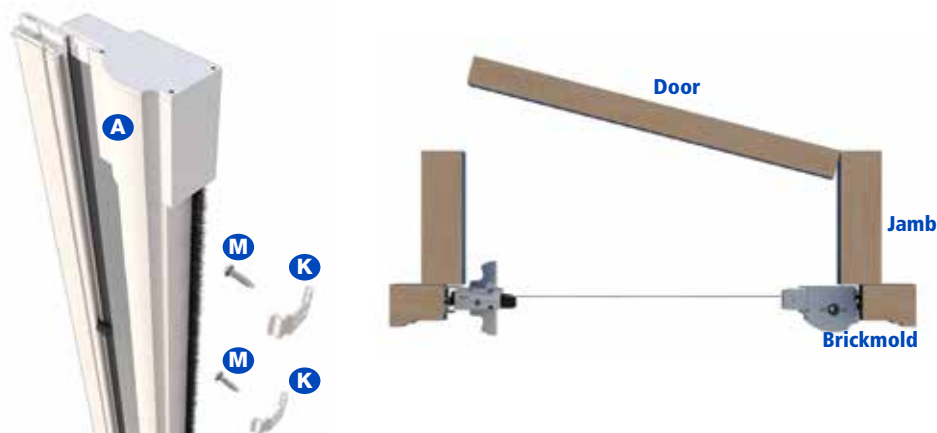


**PARTS KIT**

- |  |  |
|--|--|
| <b>F</b> Threshold Transition End Cap Left                 | <b>M</b> Screws for installation (#8 x 3/4" Phillips Head) |
| <b>F</b> Threshold Transition End Cap Right                | <b>Q</b> Top Retainer Guide                                |
| <b>H</b> Boot Body   | <b>S</b> Top Guide End Cap                                 |
| <b>I</b> Boot Body End Cap                                 | <b>Y</b> Sloped Threshold Shims                            |
| <b>J</b> Screws for Boot Body End Cap (#6 x 3/4 Flat Head) | <b>Z</b> Allen Wrench                                      |
| <b>K</b> Recess Mount Clips                                |  |

## 1 INSIDE THE FRAME MOUNTING LOCATION

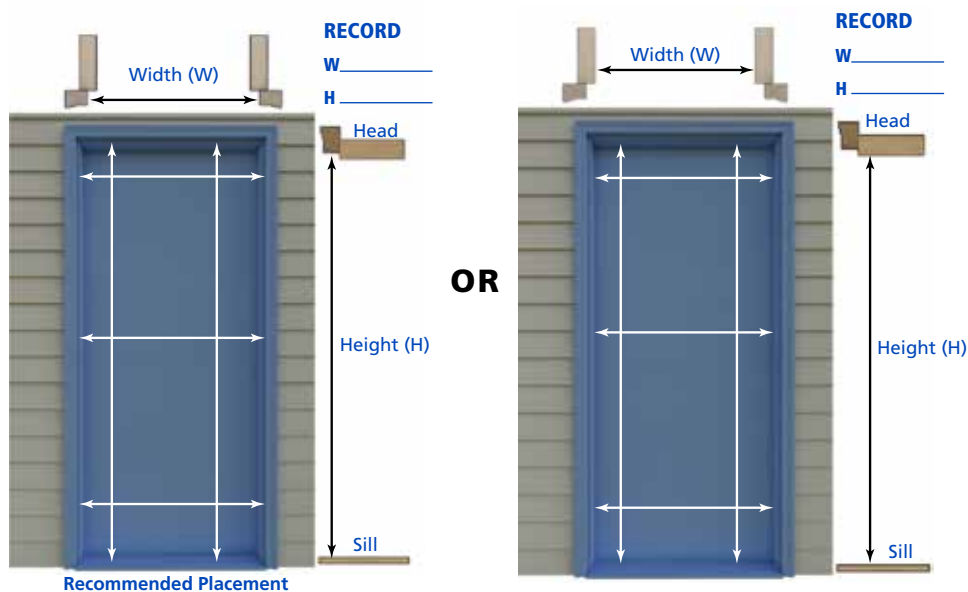
The **Screen Cassette** will be mounted within the door frame using **Recess Mounting Clips**. You will want to install the screen cassette on the same side as the door hinges.



## 2 MEASURE THE OPENING

You may choose to position the screen inside the door frame in one of the locations shown below. Typically the handle on the door does not affect the screen placement decision. This is because the door will be open while the screen is being used and the screen will be retracted when the door is closed.

Measure the opening width and height in several places and record the smallest width and height measurements. Verify that the width and height of the opening falls within the size range that is printed on the box label. If the opening is a bit taller, then simply add a small filler strip at the top of the door frame.



## 3 THE SCREEN CASSETTE

The **Screen Cassette Assembly** can be installed on either the right or left side of the door frame by flipping the **Screen Cassette** end for end. The rounded side of the Screen Cassette will face outward.

Decide if you will install the **Screen Cassette** on the right or left side of the door, and determine which end of the **Boot Body** [FIG. 3.1] will be the top. Attach the **Boot Body End Cap** using three #6 x 3/4" (19mm) Phillips Flathead Screws. Slide the **Boot Body** onto what will be the top end of the **Screen Cassette Assembly** [FIG. 3.2].

Install the **Top Retainer Guide** [FIG. 3.3] by sliding it into the top end of the **Pull Bar** (interior side). Move the **Top Retainer Guide** down about 6". It will be further adjusted in STEP 10.



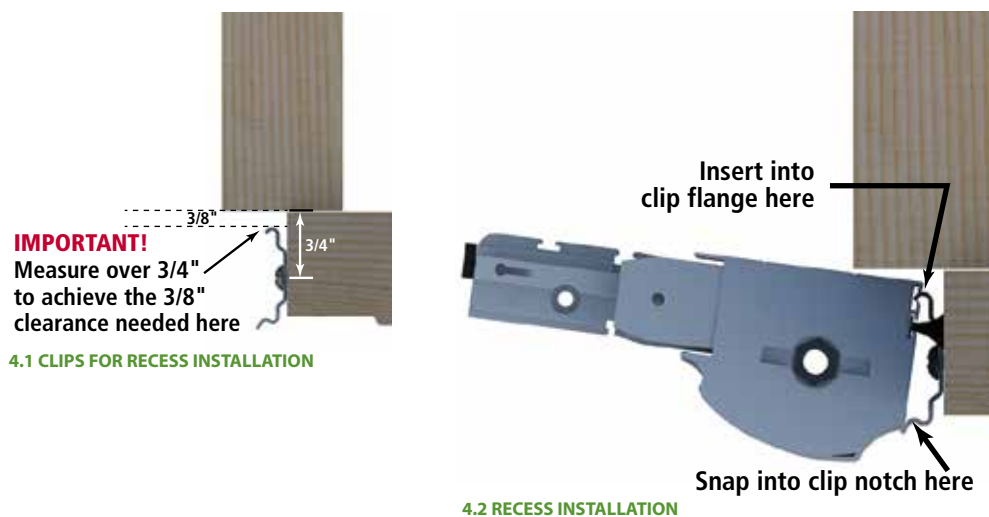
3.1 Boot Body

3.2 Screen Cassette Assembly

3.3 Top Retainer Guide

## 4 INSTALL THE CASSETTE

Measure over 3/4" and install the **Recess Mounting Clips** 20" from the top and bottom of the door opening using the #8 x 3/4" (19mm) Phillips Panhead Screws [FIG. 4.1]. Snap the **Screen Cassette** onto the mounting clips [FIG. 4.2].



4.1 CLIPS FOR RECESS INSTALLATION

4.2 RECESS INSTALLATION

## 5 TOP AND BOTTOM RAILS

### TOP GUIDE:

Using the width measurements taken in Step 2, subtract 2-1/2" (63mm) from the opening width to determine the needed length of the **Top Guide Rail**. Cut the end where the black pile weatherstrip extends beyond the end of the **Top Guide Rail**.

### BOTTOM GUIDE:

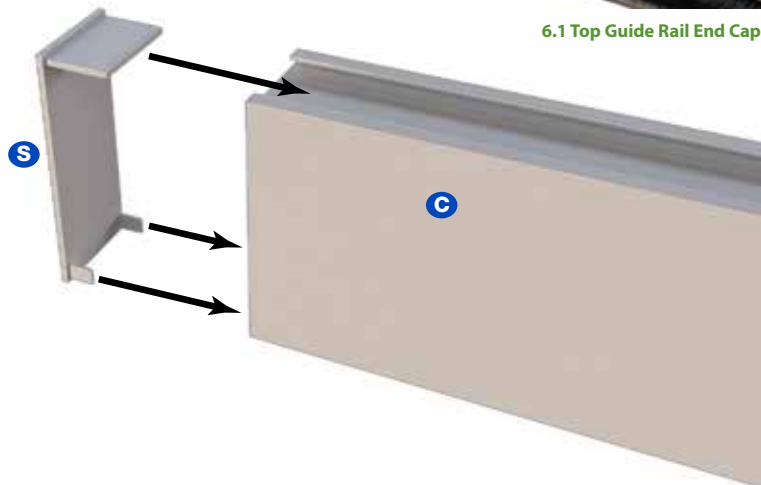
Using the width measurements taken in Step 2, subtract 2-1/4" (57mm) from the opening width to determine the needed length and cut the **Bottom Guide Rail** to that length.

## 6 TOP GUIDE RAIL END CAP

Install the **Top Guide Rail End Cap** on the end that will be farthest away from the Screen Cassette Assembly [FIGS. 6.1 & 6.2]. It will attach at the end of the **TOP GUIDE** where the insect pile stops short of the end.



6.1 Top Guide Rail End Cap



6.2 Top Guide Rail End Cap

## 7 INSTALL THE BOTTOM AND TOP GUIDE RAILS

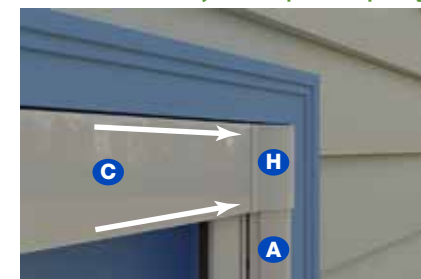
First, slide the **Bottom Guide Rail** fully onto the tab on the **Screen Cassette End Cap** [FIG. 7.1]. Next, slide the **Boot Body** upward on the **Screen Cassette** until it rests snug against the top of the door opening [FIG. 7.2]. Finally, slide the **Top Guide Rail** onto the tab of the **Boot Body End Cap** [FIG. 7.3].



7.1 Install the Bottom Guide Rail



7.2 Slide the Boot Body to the Top of the Opening



7.3 Install the Top Guide Rail

## DOOR THRESHOLDS / SILLS

There are many different door threshold/sill designs. Be aware of the threshold type and know that it is important to have or create a level and stable surface when installing the **Bottom Guide Rail**. The following are two of the more common threshold/sill designs and ways to install the **Bottom Guide Rail**.



Flat Threshold



Sloped Threshold

### FLAT THRESHOLD / SILL

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

### SLOPED THRESHOLD / SILL

Make a flat and stable surface by installing shims under the **Bottom Guide Rail**.

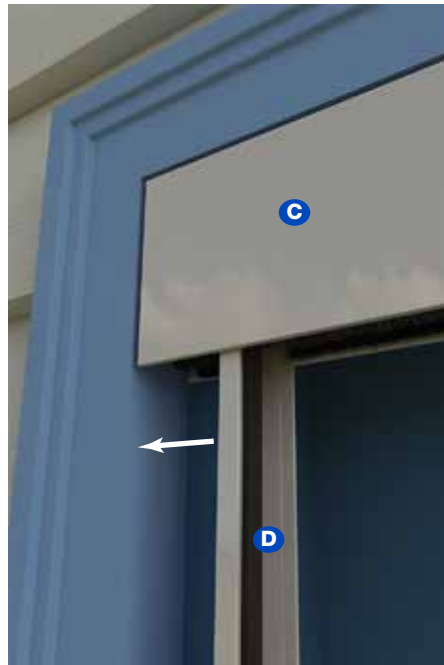
## 8 INSTALL SIDE RAIL

Slide the **Side Rail** behind and over the **Bottom Guide Rail**, so that the **Bottom Guide Rail** is positioned inside the flanges of the **Side Rail** [FIG. 8.1].

At the top, the **Side Rail** fits *inside* the flanges of the **Top Guide Rail** [FIG. 8.2]. Position the **Side Rail** against the frame.



8.1

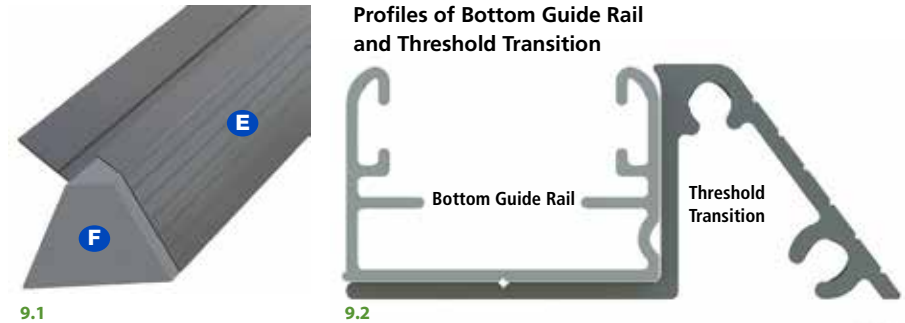


8.2

## 9 THRESHOLD TRANSITION

Before securing the **Bottom Guide Rail**, you may choose to install the **Threshold Transition** (with **Threshold Transition End Caps**) [FIGS. 9.1 & 9.2]. This optional step protects the bottom guide rail and it is also an aesthetic feature. The **Threshold Transition** may be installed toward the interior or exterior of the home.

To install, cut the **Threshold Transition** to the door opening width, less 4-1/4" (114mm). Insert the **Threshold Transition End Caps**, and slide the lip of the **Threshold Transition** under the **Bottom Guide Rail**.

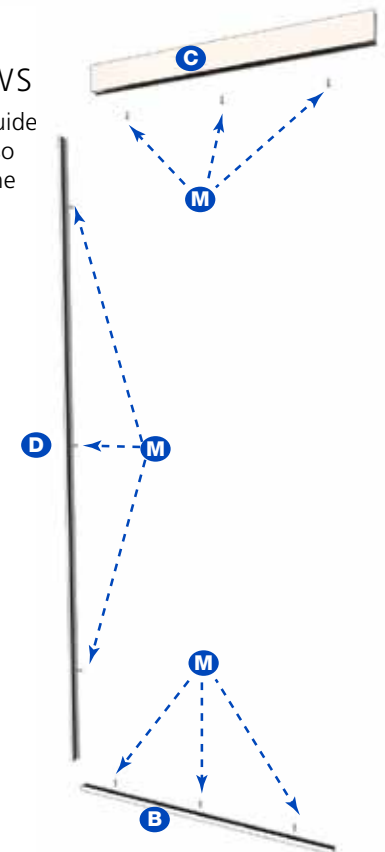


9.1

9.2

## SECURE THE RAILS WITH SCREWS

Using the pre-made holes secure the Bottom Guide Rail, Top Guide Rail and Side Rail with Magnet so that each is fastened to the door frame using the #8 x 3/4" (19mm) Phillips Panhead Screws.



## 10 ADJUST THE TOP RETAINER GUIDE & HANDLES

Adjust the **Top Retainer Guide** so that it is positioned at the top of the **Pull Bar** approximately 1/8" (3mm) below the top guide rail. Tighten **Allen-Head Set Screws**. Adjust the **Handle** heights by loosening the **Allen-Head Set Screw**, moving the **Handle** as desired and retightening the screw.

**Note:** the **Retainer Guide** should **NOT** touch the **Top Guide Rail** when positioned correctly.



**That's it. Enjoy your new Genius Retractable Screen!**

For more great retractable screen ideas for your home, please visit [www.geniusscreens.com](http://www.geniusscreens.com)

INSTALLATION QUESTIONS? MISSING PARTS? REPLACEMENT PARTS?

**DON'T GO BACK TO THE STORE!**

PLEASE CALL OUR HELPLINE AT

**1-866-523-9511**



## OPERATION OF THE SCREEN

To retract the screen, disengage the **Pull Bar** from the magnetic latch, let go of the handle and allow the screen to retract at its own pace. The screen has a safety speed reducer feature and manually pushing the screen back into the **Cassette Assembly** may cause the **Pull Bar** to jump out of the **Bottom Guide Rail** or cause the screen fabric to bunch-up or leave the guides.

## TROUBLESHOOTING GUIDE

### THE SCREEN IS DIFFICULT TO PULL OR DOES NOT GLIDE SMOOTHLY.

- ▶ Verify that the screen has been installed plumb and level. Install shims if needed (see step 7).
- ▶ Adjust the **Top Retainer Guide** (see step 10).
- ▶ Clean debris from inside the **Bottom Guide Rail**.

### THE SCREEN CASSETTE ASSEMBLY DOES NOT SNAP ONTO THE RECESS MOUNT CLIPS.

- ▶ Verify that the **Recess Mount Clips** are installed using the dimensions specified in Step 4. Take care to move back to its original shape any **Recess Mount Clips** that may have been bent or flattened during any previous attempts to install the **Screen Cassette**.

### THE PULL BAR COMES OUT OF THE BOTTOM TRACK.

- ▶ Adjust the **Top Retainer Guide** (see step 10).

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

- ▶ The **Bottom Guide** will not work properly if installed at an angle. Use shims to adjust the **Bottom Guide** until level (see step 7).

### 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.
- ▶ Open the screen and check that the magnet located in the **Pull Bar** aligns with the magnetic strip in the **Side Rail with Magnet**. To adjust the alignment remove the **#8 x 3/4" (19mm) Phillips Panhead Screw** for the center of the **Side Rail**. Flex the center of the **Side Rail** 1/8" - 3/16" (3mm-4mm) toward the outside and reinstall the **#8 x 3/4" (19mm) Phillips Panhead Screw**.

