Replacing the spring on EasyVent models

INTRODUCTION: This instruction covers the installation of a new retractable screen spring.

CAUTION: The spring that you receive from the factory is pre-tensioned. Use caution when handling it.

TOOLS NEEDED: Phillips screwdriver, small flat blade screwdriver.

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**Step 1**
Remove screw from each side of head cover and remove. Cover is located on inside top of door.

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**Step 2**
Lower the sash to approx 8 inches from the top and install a spacer under the sash on the outside of the door as shown. The weight of the sash will rest on the spacer so it is important that the spacer is installed straight up and down to prevent it from tipping over and falling out.

Highview models require the spacer to be placed on the inside of the door as shown in the last illustrations.

* A STRIP OF TAPE MAY BE USED TO SECURE THE SPACER TO THE GLASS IF NEEDED.
Step 3
The door frame has a sharp point on it that has potential to tear the screen. Two pieces of protective tape are supplied with this kit that should be placed over the sharp point on each side of the door as shown.

Step 4
On the right side of the door, insert a screwdriver between the screen tube and bracket. Pry the end of the screen tube away from the bracket until the pivot pin comes out of the bracket. Place your finger between the screen and door frame as shown to prevent the screen from being torn on the door frame.

Step 5
Once out of the bracket, the right side of the tube must be lowered until the pivot pin clears the door frame. Once the pin clears the door frame the right side of the tube can be pulled outwards.

Make sure not to catch the screen cloth on the door frame and tear it.

Step 6
Slowly remove the left side of the screen tube. There may still be some tension left on the spring so you might hear a “popping” sound as the tension releases. Keep your fingers away from the end of the tube when removing it.
Step 7
On the left side of the tube, insert a screwdriver between the screen tube and endcap and pry the endcap out of the tube. You can insert a screwdriver into the small slot on the endcap to pry it out of the tube.

Step 8
Remove spring from screen tube and discard.

Step 9
Insert new spring into screen tube as shown and push into place. The spring should slide in easily if the plastic legs are aligned properly with the legs on the inside of the screen tube. You may tap the spring into place with a mallet if needed.

**CAUTION: DO NOT TOUCH THE END OF THE SPRING WITH YOUR HANDS AS YOU MAY RELEASE THE SPRING TENSION RAPIDLY RISKING INJURY.**

**9A.**

Spring end should be aligned as shown in order for it to slide in smoothly. The colored circles represent how the internal legs of the tube should be aligned.

**9B.**

Insert one of the two longer legs on the end cap into the smaller groove in the tube.

Step 10
Insert left end of the screen roll into bracket. **Be careful not to twist the tab before it’s inserted or spring tension will be lost.** The tab will only fit into the bracket one direction.

**IT IS VERY IMPORTANT THAT ALL OF THE SLACK IN THE SCREEN IS ROLLED UP AS FAR AS IT CAN BE BEFORE INSERTING INTO THE BRACKET. FAILURE TO DO SO CAN AFFECT HOW MUCH TENSION IS ON THE SPRING.**
Step 11
On the right side of the door, lower right side of screen tube until the pivot pin clears the edge of the door frame. Then push up and snap into bracket. A screwdriver may be used to gently guide it into place if needed. The pivot pin must snap into the hole in the bracket.

Step 12
Slide sash to the top of its travel and let go.
- If the sash stays in place move to step 15.
- If the sash drops more than 1” then remove the spacers that your door originally came with, as shown in step 13 and use the black spacers with weatherstrip provided in the replacement kit (shown below).

Step 13
Remove spacer on bottom of top insert by inserting a screwdriver and twisting. Repeat for other side.

Step 14
Snap new spacer in as shown. Weatherstrip should face door frame when installed. Repeat for both sides.

Step 15
Replace head cover and screw into place.

This section only needed if the tension is lost on the spring

With spring still inserted into the screen roll, grip rectangular end of screen roller assembly with a pair of locking vicegrips. Do not use a pliers to hold the spring. Hold in the position shown and turn clock-wise the number of revolutions per the chart below, then back-off a half turn and tilt screen roller assembly until spring locks in place. (Do not release until spring is locked. If done correctly the spring will not unwind)

Full View Settings:
32” = 21 revolutions
34” = 23 revolutions
36” = 24 revolutions

Mid View Settings:
32” = 19 revolutions
36” = 22 revolutions