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Sash Replacement Instructions for 146/156 Models

TOOLS NEEDED: Phillips screw driver, small flat blade screw driver, and scissors. **Two people recommended.**

Step 1

Remove the screws from the clear sash wedges and remove wedges from door by prying them out with a flat bladed screwdriver as shown in Figure 1.

Note: High View doors have a solid bottom panel to remove and not a glass sash as shown in Figure 2.

Next, slide the sash towards one side of opening and remove it from the door frame as shown in Figure 2.

Sometimes lifting the sash up towards the middle of the door will help to make removal easier. Retain this sash as it will be used later.



Figure 1



Figure 2

Step 2

Remove the sash spacer from the bottom of the top sash by inserting a screwdriver as shown and twisting. Repeat for both sides. There are two possible types of sash spacers. Both remove the same way.

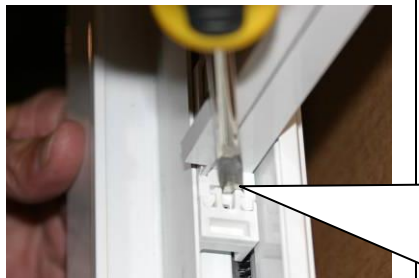


Figure 3

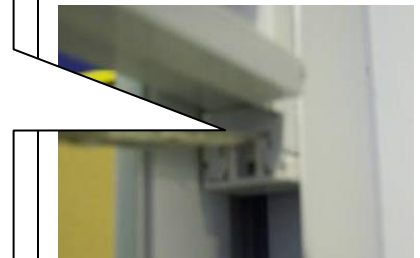


Figure 4

Step 3

Holding onto the sash tightly, cut the screen and slowly lower the sash down. **Screen is under tension and will retract rapidly.**



Figure 5

Step 4

Remove the screw from each side of head cover and remove cover. This will expose the retractable screen roll.



Figure 6

Step 5

Remove screen by inserting screwdriver between it and the bracket on the right side. Pry it out and then downwards until it clears the door frame. Remove screen and set brackets aside to be used later.



Figure 7



Figure 8

Step 6

Remove the sash by sliding it to the top. Then slide towards the handle side of the door and pull out. Plastic spacers needs to clear top of frame opening.



Figure 9

Step 7

Remove the old screen by sliding it out of the channel.



Figure 10

Step 8

Reinstall the screen brackets as shown in Figure 11 and 12 if they came out when removing the screen roll. Note: The arrows on the brackets will point up and be visible after installation. Also, when viewed from the inside, the bracket with the slot will go on the left while the bracket with the round hole will be on the right.

LEFT BRACKET



Figure 11

RIGHT BRACKET



Figure 12

Step 9

Slide new screen roll into sash. The screen should be coming off the outside of the roll as shown in Figure 13. **This is pretensioned, so do not touch the opposite end shown or you could lose tension.**



Figure 13

Step 10

Reinstall sash by inserting the top as shown. Slide sash towards one side of opening and slowly lower into channel. **Be careful not to rip the screen.**



Figure 14

Step 11

Insert left end of the screen roll into the left bracket. Be careful not to twist the tab before it's inserted or spring tension could be lost. **Do not unroll the screen roll more than 6" or the operation of the sash may be affected.**

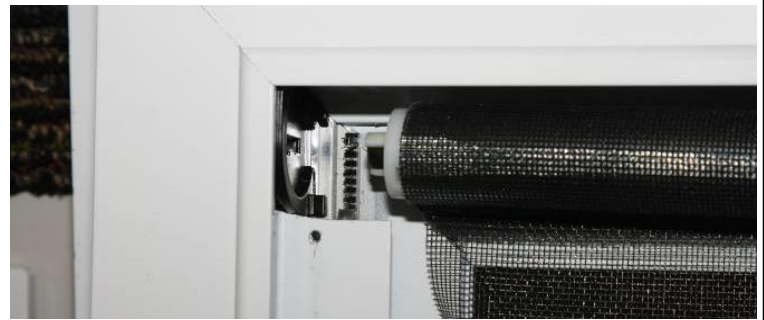


Figure 15

Step 12

Insert the pivot bracket (Figure 17) into the right end of the screen tube (Figure 16). Push the right end of the screen into place. The arrow seen in figure 18 should now be pointing up. **Do not operate sash until head cover is in place or the screen roll could come out and damage the screen.**



Figure 16



Figure 17



Figure 18

Step 13

Reinstall head cover and fasten in place.



Figure 19

Step 14

Install the spacers by snapping them into the bottom of the top sash. If you are using the one with weather stripping, the weather stripping should face towards the door frame. Test sash operation.



Figure 20



Figure 21

Step 15

Reinstall bottom insert and both wedges. Be sure the bottom insert seats in the bottom channel when fully lowered as shown in Figure 23. Screw wedges back into place. If the holes do not line up, the bottom insert is not seated correctly. Raise it up and lower it into place again. If the insert will not seat, apply a small amount of pressure with your foot as shown in Figure 22.



Figure 22



Figure 23



Figure 24

NOTE: THIS STEP IS ONLY NEEDED IF ROLLER SPRING LOSES TENSION.

THE SPRING COMES PRE-WOUND FROM THE FACTORY. DO NOT COMPLETE THIS STEP UNLESS TENSION HAS BEEN LOST.

If spring setting is disturbed, or “set off”:

Grip rectangular end of screen roller assembly with a pair of vice grips. Hold in the position shown and turn clockwise 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.)



Figure 42

Fullview & High View Settings:

32" = 21 revolutions

34" = 23 revolutions

36" = 24 revolutions

Mid View Settings:

32" = 19 revolutions

36" = 22 revolutions