Air / Water Infiltration, Threshold Adjustment / Replacement and Weather Strip Replacement

Service Instruction

These instructions apply to:

Pella Premium Wood Entry Door 2007-Current

Two or more people will be required when removing the door panel while performing any of the following instructions!

CAUTION!

Panel may be heavy.

Air/Water Infiltration, Weather Strip Replacement and Adjustment

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1 Threshold Adjustment/Replacement:

A. Check for sufficient weather strip contact between the bottom weather strip and the threshold:

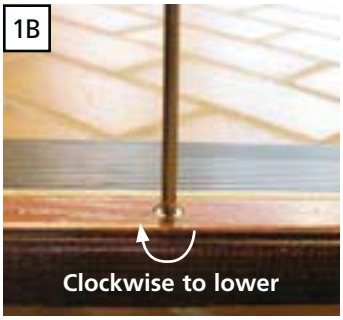
Close the door on a dollar bill or sheet of paper, light friction should be felt when pulling the paper out indicating a seal is being made.

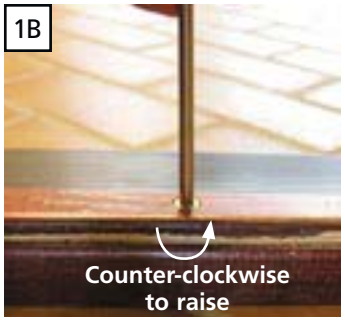


If there is not sufficient contact:

B. Adjust the threshold height by turning the threshold adjustment screws in a counter-clockwise direction to raise the sill. Turn the screw clockwise to lower the sill. Readjust as needed.

Or see 1C next page.





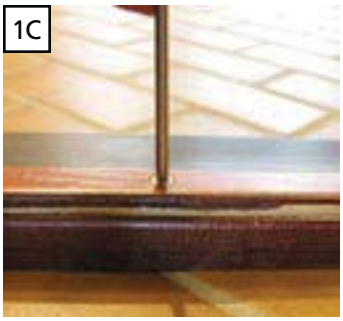
© Pella Corporation 2008

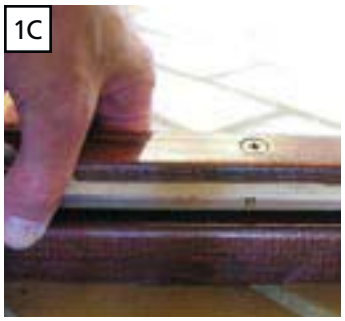
Part Number: ES29306

1 Threshold Adjustment/Replacement (continued):

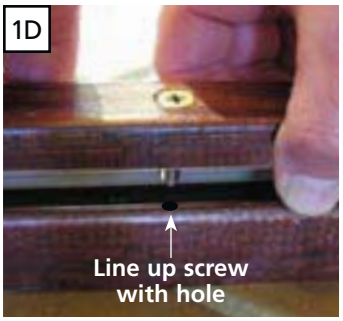
C. Replace the threshold by turning the threshold adjustment screws until the threshold is free and can be lifted off.

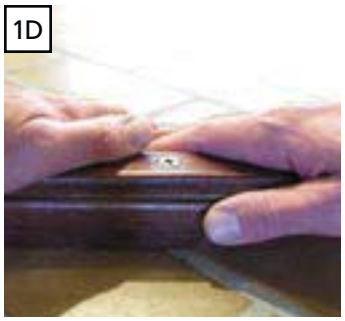
Note: Pella recommends finishing the replacement threshold prior to installation.





D. Align the adjustment screws with the holes in the sill, tighten adjustment screws to complete installation.



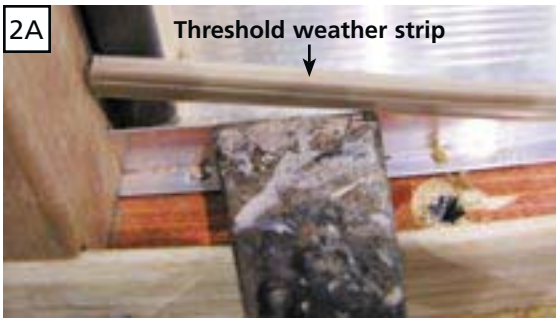


E. Close the door on the dollar bill or sheet of paper. Light friction should be felt when pulling the paper out indicating a seal is being made. Adjust the threshold height as needed.



2 Threshold Weather Strip Replacement:

A. With the threshold removed (see step **1 Threshold Adjustment/Replacement**): pry off the threshold weather strip using a stiff blade putty knife.



B. If needed, trim the weather strip to the correct length, install the weather strip over the metal lip on the sill. Press it into place to make sure it is fully seated.

C. Install the threshold, see step **1 Threshold Adjustment/Replacement**.



3 Panel - Bottom Weather Strip Replacement:

Pella recommends removing door panel when possible and laying the panel on a flat and sturdy surface during Astragal or Flushbolt replacement.

CAUTION!
Panel may be heavy.

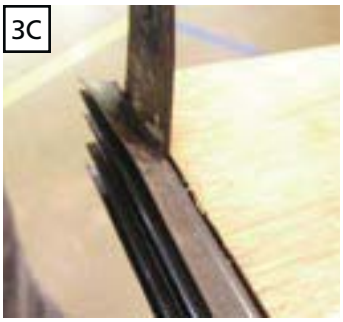
Panel Removal:

A. Use a hammer and nail or other such tool to knock each hinge pin up and out of the hinge knuckles.

B. Remove the panel and lay it flat on a smooth, flat and sturdy surface.

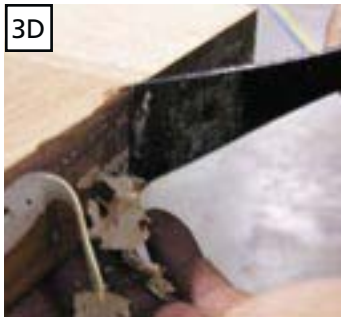


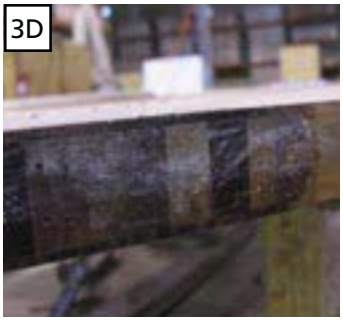
C. Use a small pry bar and/or a claw hammer to begin pry off the bottom weather strip.





D. Clean off the adhesive/sealant residue from the bottom of the panel with a putty knife.



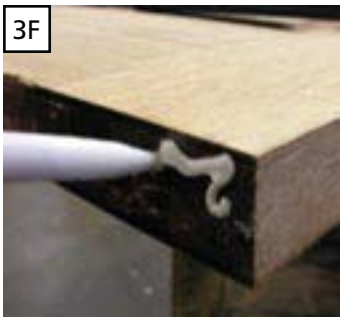


E. Apply a coat of urethane to the bottom of the panel.



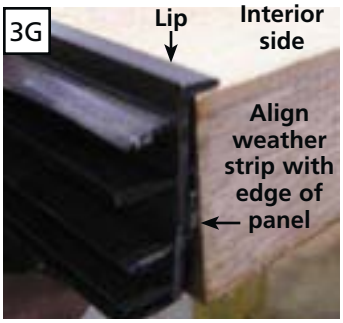
3 Panel - Bottom Weather Strip Replacement (continued):

F. Apply silicone sealant all across the bottom of the panel as shown.





G. Align one end of the weather strip with the edge of the panel and overlap the lip on the interior side of the panel. Attach using staples on 4"- 6" center.

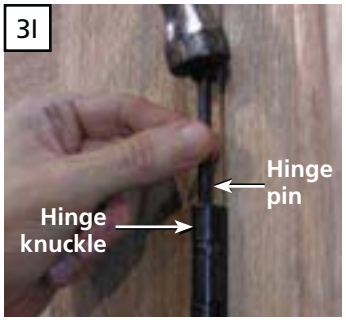




H. If needed, trim any weather strip extending over the other edge of the panel.

I. Re-install the panel by aligning the hinge knuckles and insert the hinge pins.





4 Frame and Astragal Weather Strip Replacement:

The photos below show weather strip replacement of a premium wood door frame and is the same as the procedure for astragal weather strip replacement.

A. Grasp the weather strip and pull it out of the weather strip kerf. (If needed a stiff blade putty knife can be used to help pry the weather strip out of the kerf).





4 Frame and Astragal Weather Strip Replacement (continued):

B. The head weather strip extends the full width of the frame jamb to jamb. The jamb weather strip goes up against the head weather strip and down to the sill. To install the weather strip; start at one end, place the barbs of the weather strip into the kerf. Press the weather strip into place to fully seat it in the kerf.



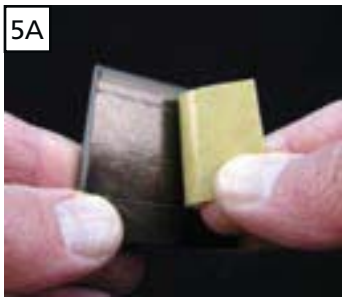


5 Vinyl Pad Replacement (Air Infiltration):

If there are no vinyl pads on the jambs at the sill, pads may be installed to help control air infiltration.

A. Remove the release paper from the back of the pad.





B. Pull back the leaf of the jamb weather strip and install the pad up against the weather strip and the jamb, on top of the threshold.





C. Press the pad against the jamb to seat the adhesive.

