VINYL WINDOWS AND DOORS

Manufactured by Pella Corporation

Questions? Call 1 (800) 374-4758

INSTALLATION INSTRUCTION

Limited Opening Hardware—Awning

These instructions apply to:

Centera by Pella™ 12/2006-Current

ThermaStar by Pella® 2003-Current

Tools Required:

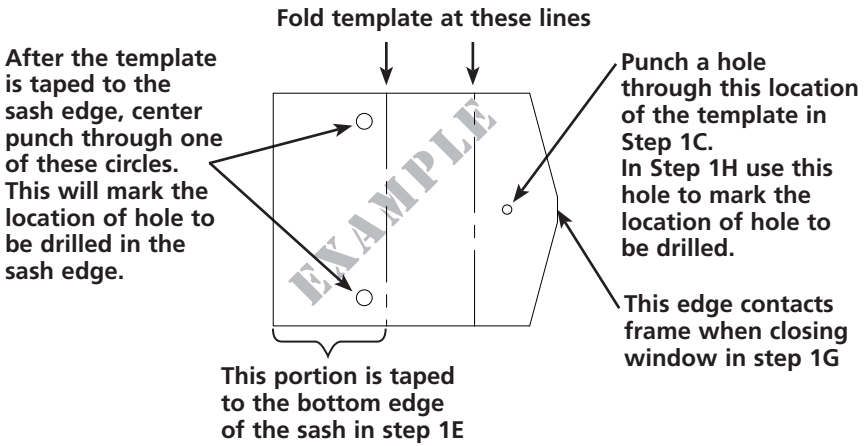
- Phillips screwdriver
- Tape measure
- Punch
- Pen or Pencil
- Drill with 3/32" & 7/64" drill bits
- Masking Tape

Awning windows require limited opening hardware on both sides of the frame mounted on the jamb and attached to the sash. This instruction requires the use of either the included paper template or a metal template to identify drilling locations on the sash and frame. Hardware is attached to different locations of jamb and sash depending on the width of the awning which determines the location of venting hardware. First determine the frame width of the awning. If greater than or equal to 42" go to step 1. If awning width is < 42" go to step 4.

1 Prepping for Limited Opening Hardware on Windows ≥ 42" Wide Using Paper Template:

If using a metal template go to Step 2.

A. Cut out the provided paper template (Page 8). Awning windows require limited opening hardware on both sides of the frame and sash.

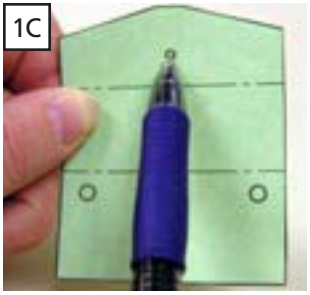


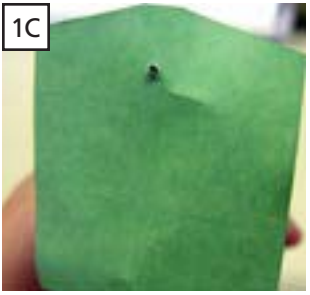
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Rev. 06/06/07

1 Prepping for Limited Opening Hardware on Windows ≥ 42" Wide Using Paper Template (Continued):

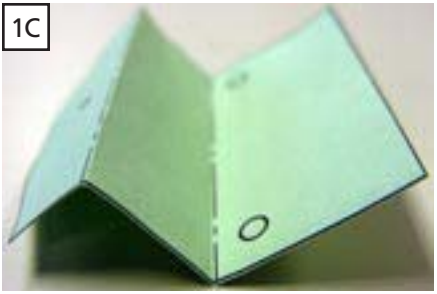
B. Punch through the top hole in the center of the paper template. This hole will be used in Step 1H to identify the correct location on the frame to drill a pilot hole for the limited opening frame bracket.



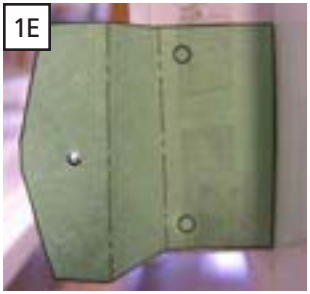


C. Fold the template at the lines as shown.

D. Crank the open approximately 8 inches.

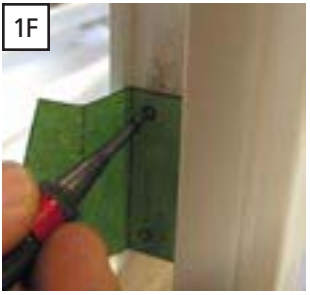


E. On the side of the sash, tape the portion of the paper template with the two circles to the widest edge of the sash with one template side aligned with the sash edge as shown. The portion of the template with the hole that was punched in step 1C should extend away from the sash toward the window frame





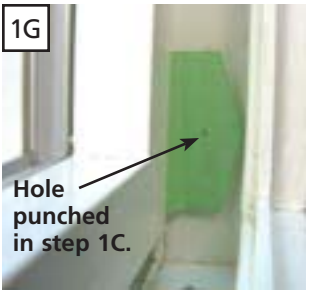
F. Use a center punch to mark the edge of the sash through the top circle only of the paper template. The other circle will be used on the other side of the sash. The mark will be used in Step 1I to drill a pilot hole for the hardware pivot arm.



1 Prepping for Limited Opening Hardware on Windows ≥ 42" Wide Using Paper Template (Continued):

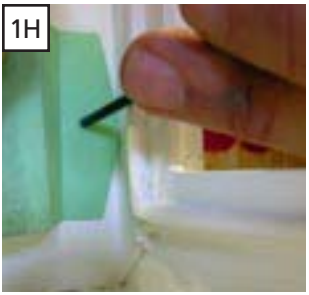
G. With the paper template still on the sash edge, close the sash until the template just contacts the sash frame, with no deflection in the template.

Tip: Placing a piece of tape over the extend portion of the template will stiffen the edge of the template which will help to indicate when the template touches the frame edge.



H. Use a center punch to mark the frame through the hole in the template. Open the sash approximately 8 inches and remove the paper template.



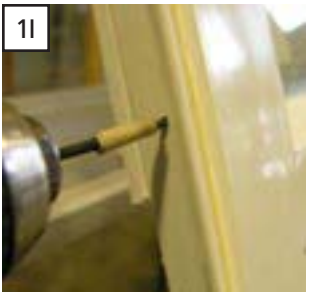


This photo is with sash removed to show view of punching hole in frame.

I. On the sash locate the mark punched in the sash through the template in step 1F and drill a 7/64 x 1/2" deep hole.

CAUTION: Use a piece of masking tape or a drill stop to control the pilot hole depth.



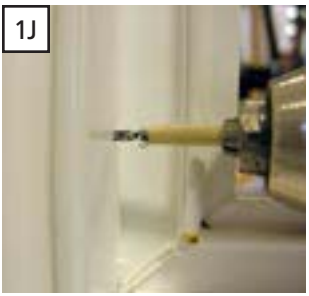


J. Drill a 7/64" x 1/2" deep hole in the location marked on the frame in step 1H.

K. Repeat Steps E-J on the other side of the sash and frame.

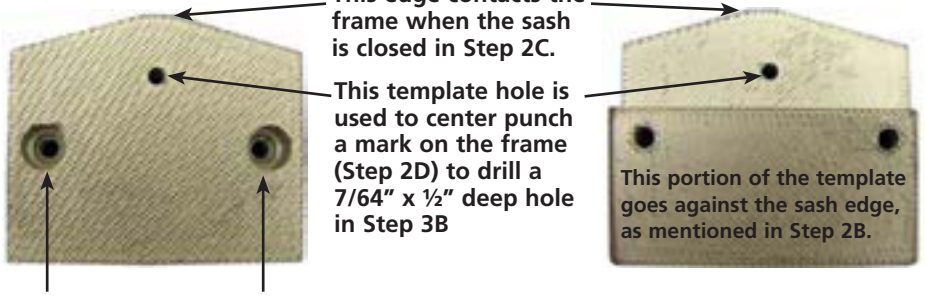
Go to step 3.



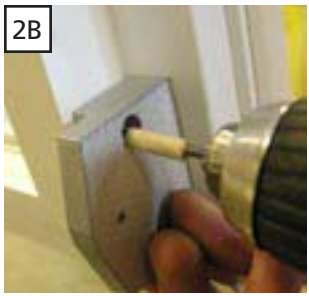


2 Prepping for Limited Opening Hardware on Windows ≥ 42" Wide Using Metal Template:

A. Crank the sash open approximately 8 inches.

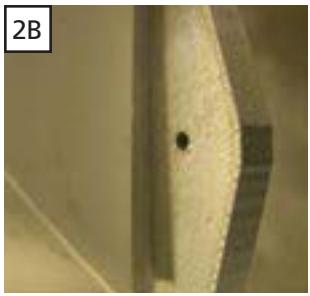


B. On one side of the sash, place the template against the widest portion of the edge. Align the edge of the template with the edge of the sash. In the top template hole; drill a 3/32" pilot hole through the first layer of the vinyl. Remove the template and complete the drilling of the pilot hole to a depth of 1/2". Use a piece of masking tape or drill stop to control pilot hole depth. Attach the template to the bottom of the sash using the provided #6-18 x 11/16" screw.









C. Close the sash until the template comes in contact with the frame edge.

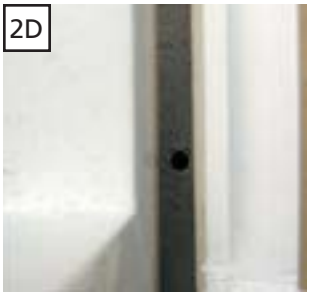




2 Prepping for Limited Opening Hardware on Windows ≥ 42" Wide Using Metal Template (Continued):

D. Use a center punch to mark the frame jamb through the hole in the template.

E. Open the sash approximately 8 inches and remove the template.



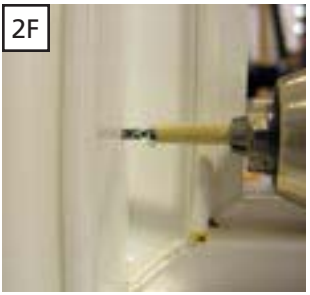


F. Drill a 7/64" x 1/2" deep pilot hole in the frame at the center punch mark.

G. Repeat B-F on the other side of sash and frame

Go to step 3.





3 Installing the Limited Opening Hardware ≥ 42" Frame Width:

CAUTION: To avoid screw spin out, Do Not use a powered driver to install the hardware to vinyl products.

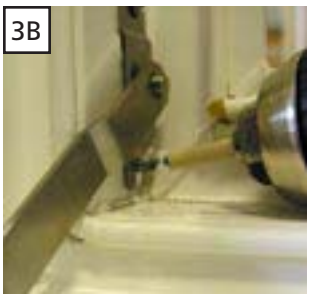
A. Place the frame bracket on the frame as shown with the bracket top hole aligned over the previously drilled hole. Insert a #6-18 x 11/16" screw into the bracket hole to attach the bracket.

B. Make sure the bracket is parallel to the frame and drill a 7/64" x 1/2" deep pilot hole using the lower bracket hole as a template.

C. Insert a #6-18 x 11/16" screw into the second bracket hole to complete frame bracket attachment.





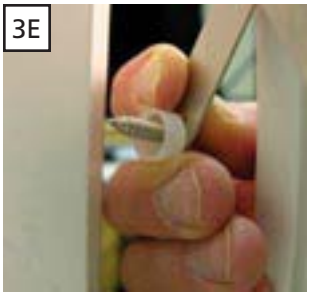




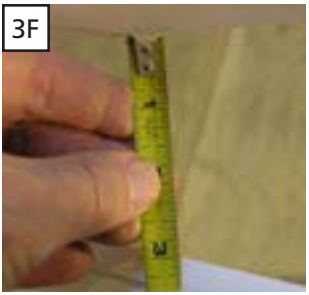
3 Installing the Limited Opening Hardware ≥ 42" Frame Width (Continued):

D. Repeat Steps A-C on the other side of the frame.

E. Partially close the sash so there is about a 2 inch gap between the sash and frame. Use the provided nylon bushing and the #10 x 3/4" screw as shown to attach the limited opening pivot bar to the sash edge. Make sure the open end of the bushing faces the sash edge.







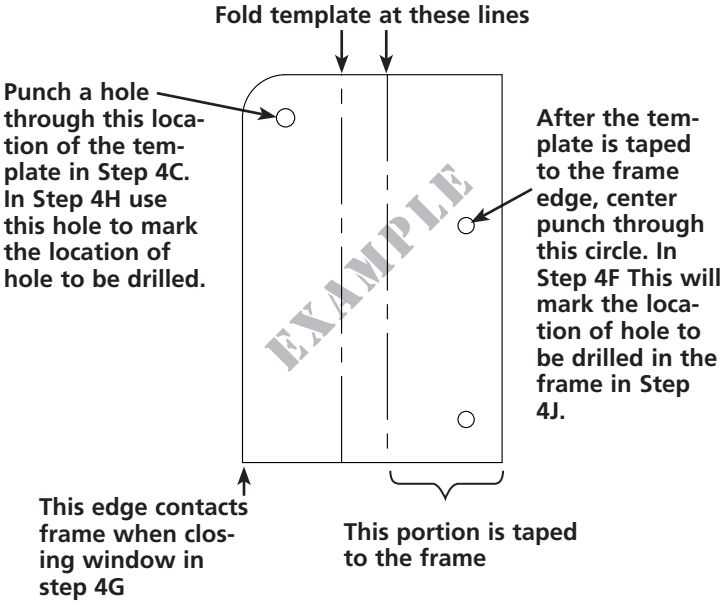
Snug the screw up and then back it off 1/2 a turn. The pivot arm needs to move freely when the sash is opened and closed.
Repeat on other side of the sash.

F. Open the sash until the limited opening hardware prevents further opening. The opening between the sash and frame should be approximately 3 inches.

4 Prepping for Limited Opening Hardware on Windows < 42" Wide Using Paper Template:

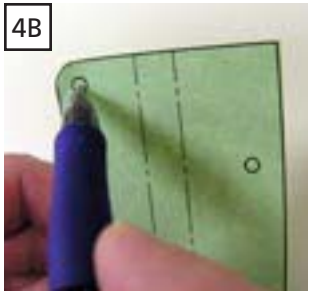
If using the metal template, go to Step 5.

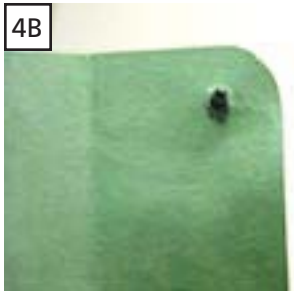
A. Cut out the provided paper template (page 7).



4 Prepping for Limited Opening Hardware on Windows < 42" Wide Using Paper Template (Continued):

B. Punch through the hole located in the rounded corner of the paper template. This hole will be used in Step 4H to identify the correct location on the sash edge to drill a pilot hole for the limited opening pivot arm.





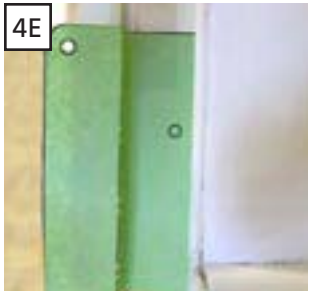
C. Fold the template at the lines as shown.

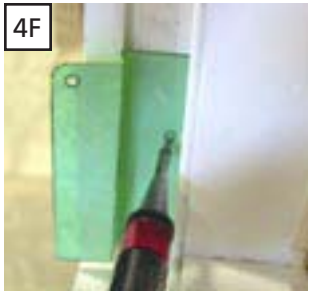
D. Crank the sash open approximately 8 inches.



E. On the right frame jamb, tape the portion of the paper template with the non-punched circle to the frame jamb with the rounded edge at the top pointing toward the sash. The portion of the template with the hole that was punched in step 4B should extend away from the frame toward the window sash.

F. Use a center punch to mark the location on the frame for the hole to be drilled in Step 4J





G. Close the sash until the paper template contacts the edge of the sash.

H. Use a center punch to mark the sash through the hole in the template. Open the sash approximately 8 inches and remove the paper template from the frame.





4 Prepping for Limited Opening Hardware on Windows < 42" Wide Using Paper Template (Continued):

I. On the sash locate the mark punched in the sash through the template in step 4H and drill a 7/64" x 1/2" deep pilot hole.





CAUTION: Use a piece of masking tape or a drill stop to control the pilot hole depth.

J. On the frame locate the mark punched through the template in step 4F and drill a 7/64" x 1/2 deep pilot hole.





K. Repeat E - J on other side of the sash and frame.

Go to Step 6

5 Prepping for Limited Opening Hardware on Windows < 42" Wide Using Metal Template:

A. Place the metal template on the frame as shown with the rounded corner at the top facing the sash. Drill a 7/64" x 1/2" deep pilot hole into the frame. Use a piece of masking tape or drill stop to control the pilot hole depth.



B. Close the sash until the metal template contacts the sash.

C. Drill a 7/64" x 1/2" deep pilot hole in the sash edge.

D. Open the sash approximately 8 inches and remove the template.





Repeat A-D on other side.

6 Installing the Limited Opening Hardware < 42" Frame Width:

CAUTION: To avoid screw spin out, Do Not use a powered driver to install the limited opening hardware to vinyl products.

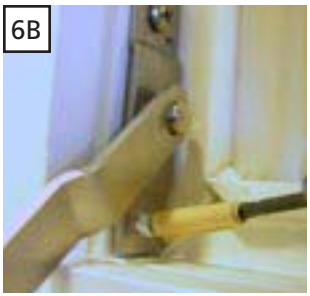
A. Place the frame bracket on the frame jamb as shown with the bracket top hole aligned over the previously drilled hole. Insert a #6-18 x 11/16" screw into the bracket hole to attach the bracket.





B. Make sure the bracket is parallel to the frame and drill a 7/64" x 1/2" deep pilot hole using the lower bracket hole as a template.

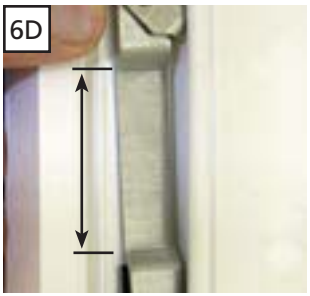
C. Insert a #6-18 x 11/16" screw into the second bracket hole to complete frame bracket attachment.





D. On awnings < 42" - the linkage arm will get caught up against the small lip of the frame. Therefore, this lip will need to be removed.

E. Place two marks at the lip of the frame as shown, to indicate the area to be removed.





F. Use a sharp chisel to remove the lip between the lines marked in Step 6E.

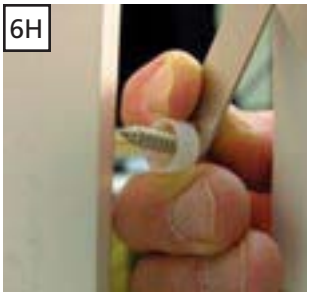
G. Repeat A-F on the other side of the fame.





6 Installing the Limited Opening Hardware < 42" Frame Width (Continued):

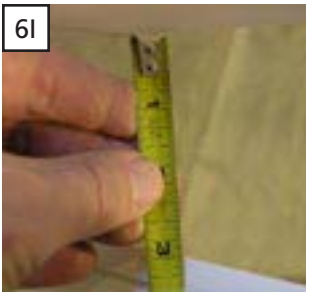
H. Partially close the sash so there is about a 2 inch gap between the sash and frame. Use the provided nylon bushing and the #10 x 3/4" screw as shown to attach the limited opening pivot bar to one sash edge. Make sure the open end of the bushing faces the sash edge. Snug the screw up and then back it off 1/2 a turn. The pivot arm needs to move freely when the sash is opened and closed.



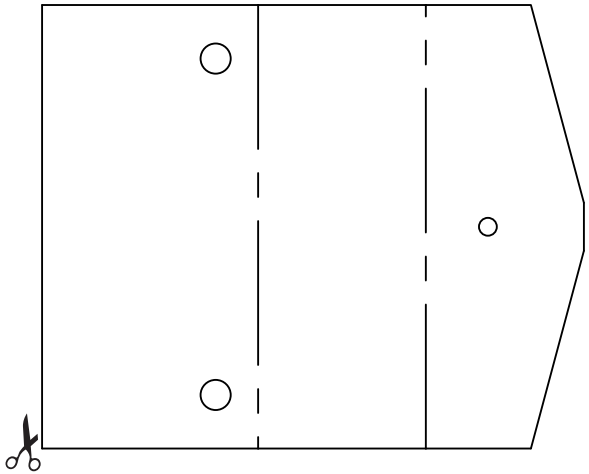


Repeat on the other side of the sash.

I. Open the sash until the limited opening hardware prevents further opening. The opening between the sash and frame should be approximately 3 inches.



≥ 42" Wide Paper Template



< 42" Wide Paper Template

