# VINYL WINDOWS AND DOORS

**Manufactured by Pella Corporation**

**Questions? Call 1 (800) 374-4758**

## INSTALLATION INSTRUCTION

Limited Opening Hardware—Casement

**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

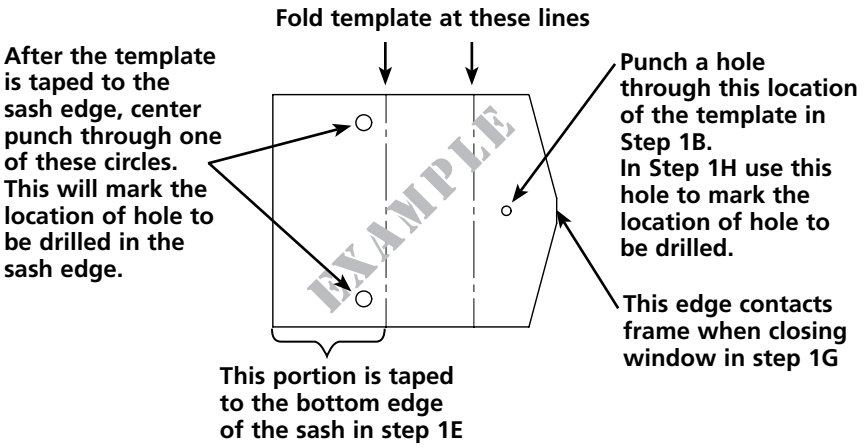
Installation of limited opening hardware is intended to be performed on window units already installed using Pella Corporation approved installation procedures. If the hardware kit is applied to a unit prior to installation, the unit must be plumb and square for correct limited opening hardware installation and performance.

This instruction requires the use of either the included paper template or a metal template to identify drilling locations on the sash and frame. If using the metal template; Proceed to step 2.

## 1 Prepping the Window for Limited Opening Hardware Using Paper Template:

This procedure is shown using a right hand unit, which is determined by identifying the side of the unit that has the hinges as viewed from the exterior. Procedure is similar on a left hand unit.

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

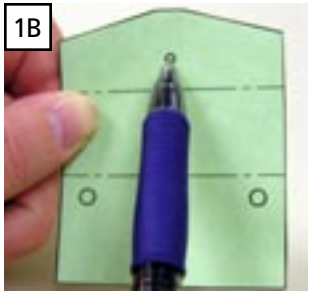


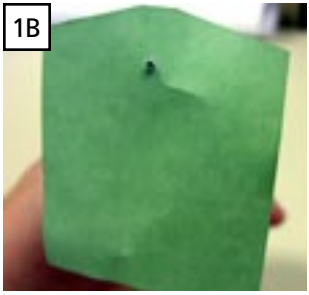

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**Part Number: 80LJ0100**
Rev. 06/05/07

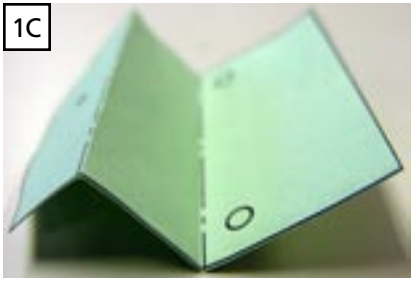
# 1 Prepping the Window for Limited Opening Hardware Using Paper Template (Continued):

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.



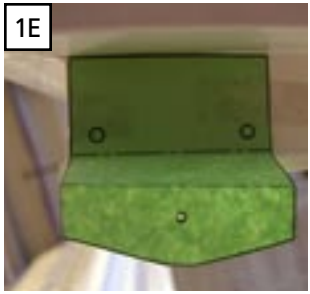




C. Fold the template at the lines as shown.




D. Crank the sash open approximately 10 inches.

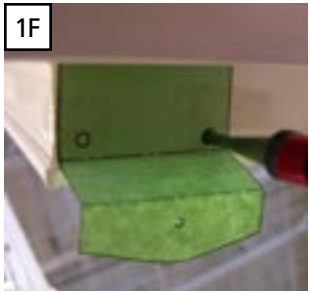
E. On the side of the sash opposite the hinge, tape the portion of the paper template with the two circles to the widest bottom edge of the sash with one template side aligned with the sash edge as shown. The portion of the template with the hole that was punched in step 1C should extend away from the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

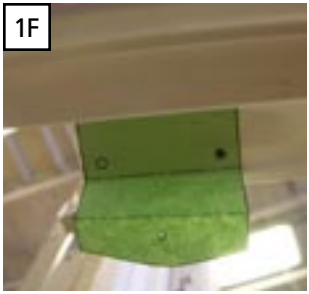






F. Use a center punch to mark the location of the hole on the bottom edge of the sash. Only mark the hole that is farthest from the sash edge aligned with the template.



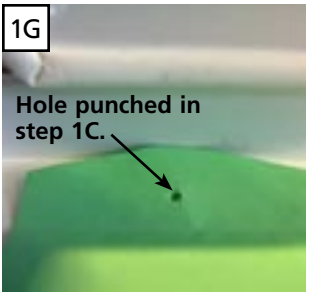



# 1 Prepping the Window for Limited Opening Hardware Using Paper Template (Continued):

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.

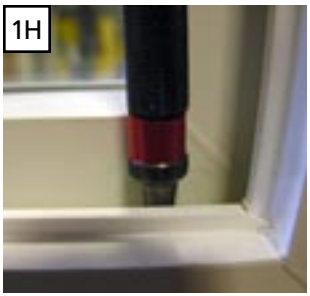


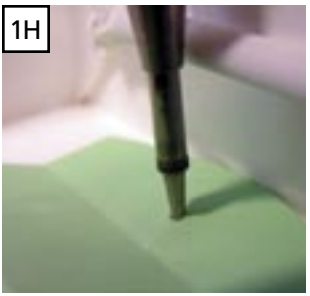




**This photo is with sash removed to show view of template location against frame.**

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

I. Open the sash approximately 10 inches and remove the paper template.

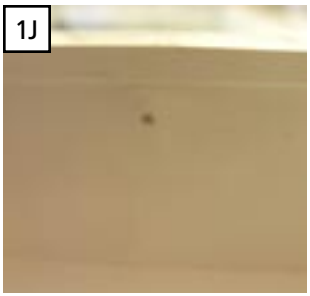



**This photo is with sash removed to show view of punching hole in frame.**

J. 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.

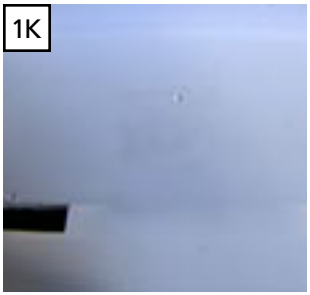


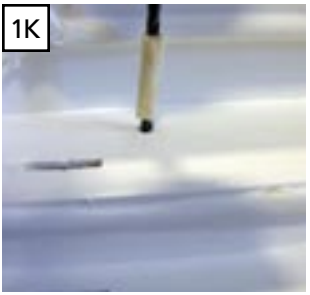




K. Drill a 7/64" x 1/2" deep hole in the location marked on the frame in step 1H.

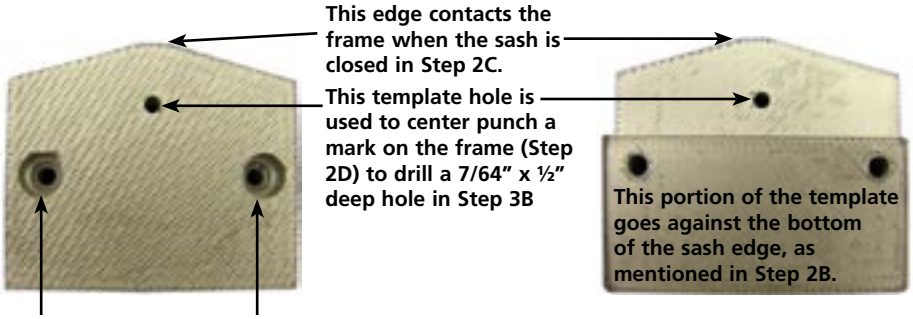
L. Go to step 3.



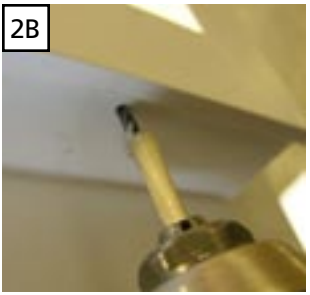
# 2 Prepping the Window for Limited Opening Hardware Using Metal Template:

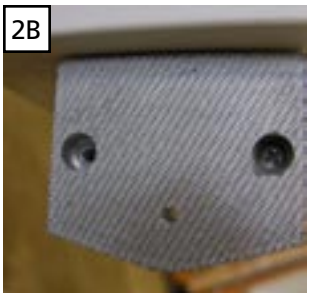
A. Crank the sash open approximately 10 inches.

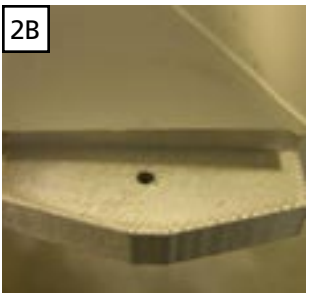



B. Place the metal template against the bottom edge of the sash opposite the hinged side of the sash. Align the edge of the template with the edge of the sash. In the template hole farthest from the edge; drill a 3/32" pilot hole through the first layer of the vinyl. Remove the template and complete 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.



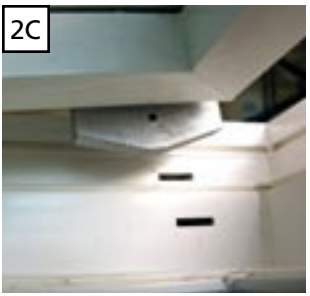




C. Close the sash until the template comes in contact with the frame edge.

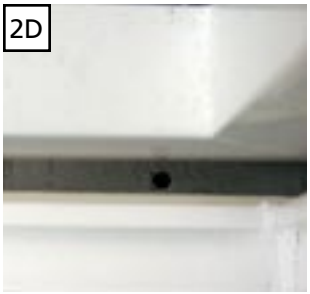


# 2 Prepping the Window for Limited Opening Hardware Using Metal Template (Continued):

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

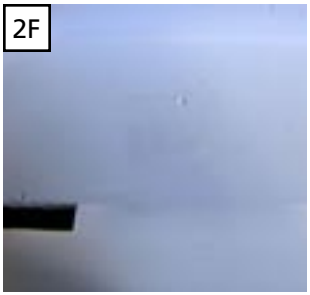
E. Open the sash approximately 10 inches and remove the template.

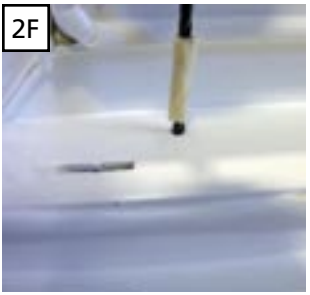






F. Drill a 7/64" x 1/2" deep pilot hole in the frame at the center punch mark.



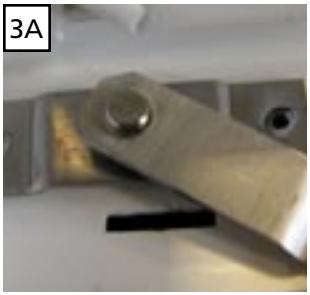



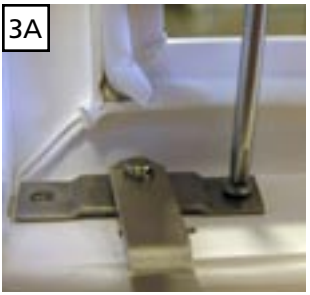

# 3 Installing the Limited Opening Hardware:

**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 as shown with the bracket hole farthest from the frame jamb 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 bracket hole as a template.



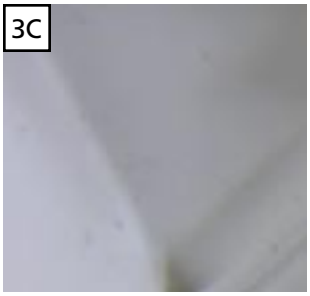






# 3 Installing the Limited Opening Hardware (Continued):

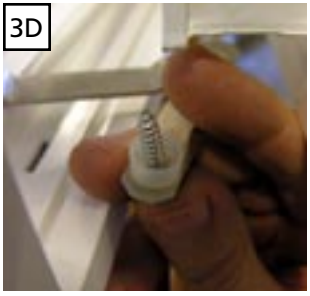
C. Insert a #6-18 x 11/16" screw into the second bracket hole to complete frame bracket attachment.







D. 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 bushing is on top of the pivot bar with the open end facing up. 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.







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



**Paper Template**

