Casement Limited Opening Hardware Kit

INSTALLATION INSTRUCTIONS

Lea las instrucciones en español en el reverso.

Tools Required:

- 5/32" and 7/64" drill bits
- Phillips head screwdriver
- Flat-bladed screwdriver
- Pen or pencil
- Tape measure
- Punch
- Drill

Installation of limited opening hardware is intended to be performed on window units already installed using 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.

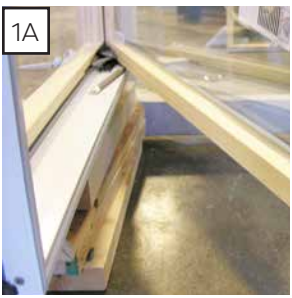
This instruction requires the use of either the included paper template or a metal template to identify drilling locations on the sash and frame. If using the metal template; Proceed to step 2.

NOTE: When printing the template, make sure the page sizing is set to Actual Size or Page Scaling is set to none.

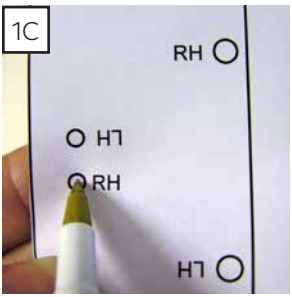
1 Prepping the Window for Limited Opening Hardware Using Paper Template:

A. **Crank the sash so it is open approximately 10 inches**.

B. **Cut out the provided paper template** (Page 8). Determine if the casement unit is a left or right hinged unit. This is determined by identifying which side of the unit has the hinges when viewing from the exterior. Right Hand unit shown.



C. **Locate the RH locations on the template** and orient them so they are readable right-side up. Punch through the (RH shown) hole location on the left side of the template. This hole will be used in Step 1G to identify the correct location on the frame to drill a pilot hole for the limited opening frame bracket.

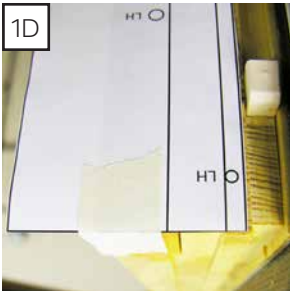


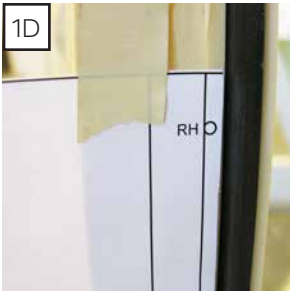
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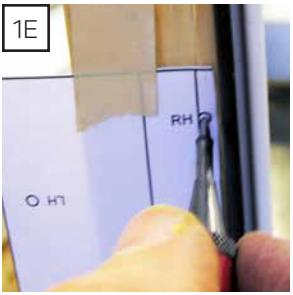
1 Prepping the Window for Limited Opening Hardware Using Paper Template (continued):

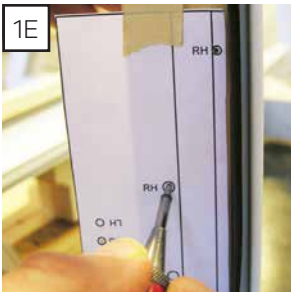
D. **Tape the paper template to the edge of the sash** with the bottom of the template aligned with the bottom of the sash and the two vertical lines on the template aligned with the edges of the groove on the sash edge. Aligning the two vertical lines on the paper template with the edges of the groove ensures the correct location of the template on clad/wood casements. The template will NOT be against the sash rain strip on all windows.



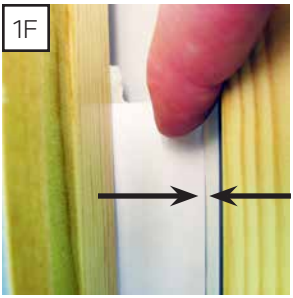


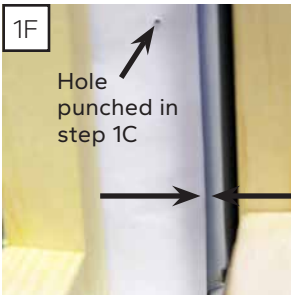
E. **Use a center punch to mark the locations** of the two holes on the edge of the sash.





F. **Keep the paper template on the sash edge**; close the sash while at the same time gently push the extended portion of the template towards the frame. Close the sash until the template comes in contact with the frame edge as shown.

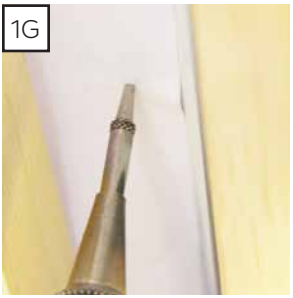




1 Prepping the Window for Limited Opening Hardware Using Paper Template (continued):

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

H. **Open the sash approximately 10 inches** and remove the paper template.

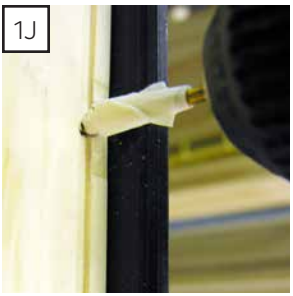


CAUTION: On the following steps use a piece of masking tape or a drill stop to control the pilot hole depth. Do not drill deeper than 1/2" or the insulating glass may be damaged.

I. **On the sash locate the lower hole punched in the sash edge** through the template in step 1E; drill a 5/32" x 1/2" deep pilot hole in the sash edge.



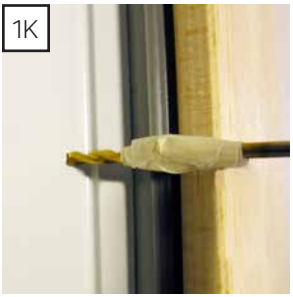
J. **Locate the top hole punched in the sash edge** through the template and drill a 7/64" x 1/2" deep hole in the sash edge.



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

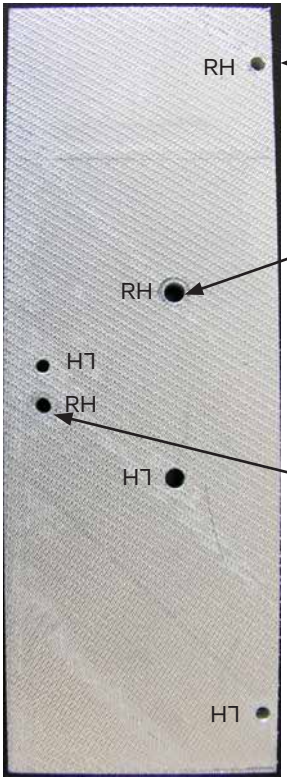
L. **Go to step 3**





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

Example shown of Metal template use for a RH casement unit. For a Left hand unit, the template would be turned 180° and the LH holes would be the ones used.



Drill a 7/64" & 5/32" x 1\2" deep pilot hole in the sash edge.

Temporarily attach template to the sash with a #6-18 x 11/16" screw through this hole. This creates a pilot hole for attaching the limited opening hardware pivot arm.

When the sash is closed with the template still attached (See Step 2E); use these template holes to center punch a mark on the frame so a 7/64" x 1/2" pilot hole can be drilled in the frame.

Align this edge of template with bottom edge of sash.

A. **Crank the sash so it is open approximately 10 inches**.

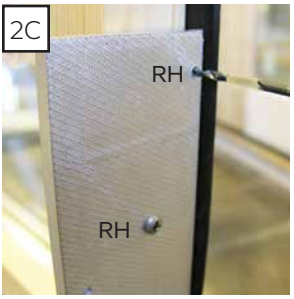
B. **Place the metal template on the edge of the sash** with the raised portion on one side of the template inserted into the groove in the sash edge and align the edge of the template with the bottom edge of the sash. Attach the template to the edge of the sash with the provided #6-18 x 11/16" screw through the center (RH) hole to temporarily hold the template in place and creating a pilot hole for the hardware pivot arm attachment screw in step 3B.



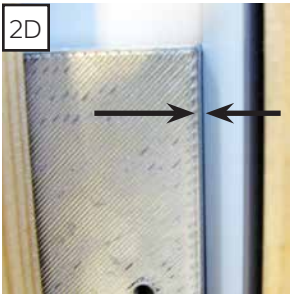
2 Prepping the Window for Limited Opening Hardware Using Metal Template:

C. **Drill a 7/64" pilot hole in the sash edge** using the top template hole.

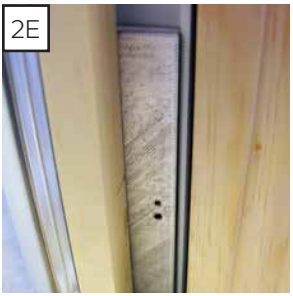
CAUTION: Use a piece of masking tape or a drill stop to control the pilot hole depth. Do not drill deeper than 1/2" or the insulating glass may be damaged.

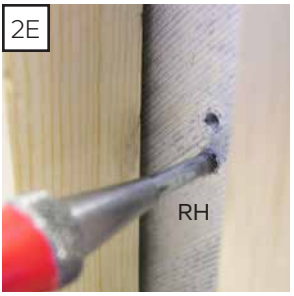


D. **Close the sash until the template comes in contact** with the frame edge as shown.



E. **Use a center punch** to mark the frame through the hole closest to the sill in the template.

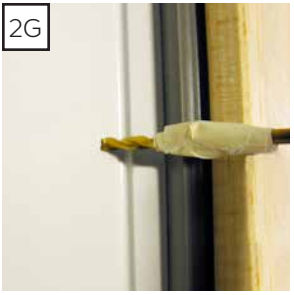




F. **Open the sash** approximately 10 inches and remove the template.

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





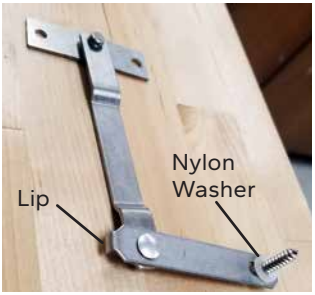
3 Installing the Limited Opening Hardware:

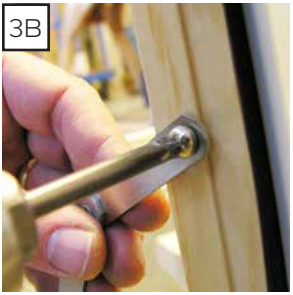
A. **Attach the brace strike to the sash edge** with a #6-18 x 11/16" screw in the top hole. The strike ensures the pivot arm remains in the correct orientation to the sash and frame.

B. **Insert the #10 x 3/4" screw into the hole** in the arm of the LOLT, ensuring the lip of the LOLT points away from the tip of the screw. Place one Nylon washer around the screw. Place the shank of the screw in the remaining sash pilot hole. Tighten the screw to fasten the assembly to the sash.

NOTE: Do not over tighten this screw as the hardware arm must be able to move so the limited opening hardware can rotate freely.

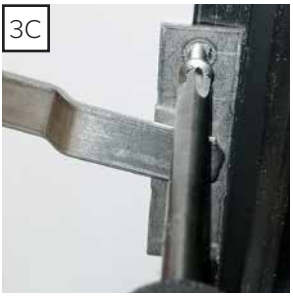






C. **Partially close the sash** so there is about a 2 inch gap between the sash and frame. Insert a #6-18 x 11/16" screw into the top bracket hole and attach the bracket to the frame.





D. **Make sure the bracket is straight** up and down and drill a 7/64" x 1/2" deep pilot hole using the lower bracket hole as a guide.

E. **Install a #6-18 x 11/16" screw** into the bottom bracket hole to complete attachment of the bracket to the frame.



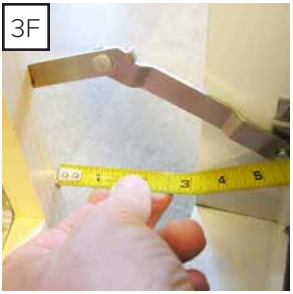


3 Installing the Limited Opening Hardware (continued):

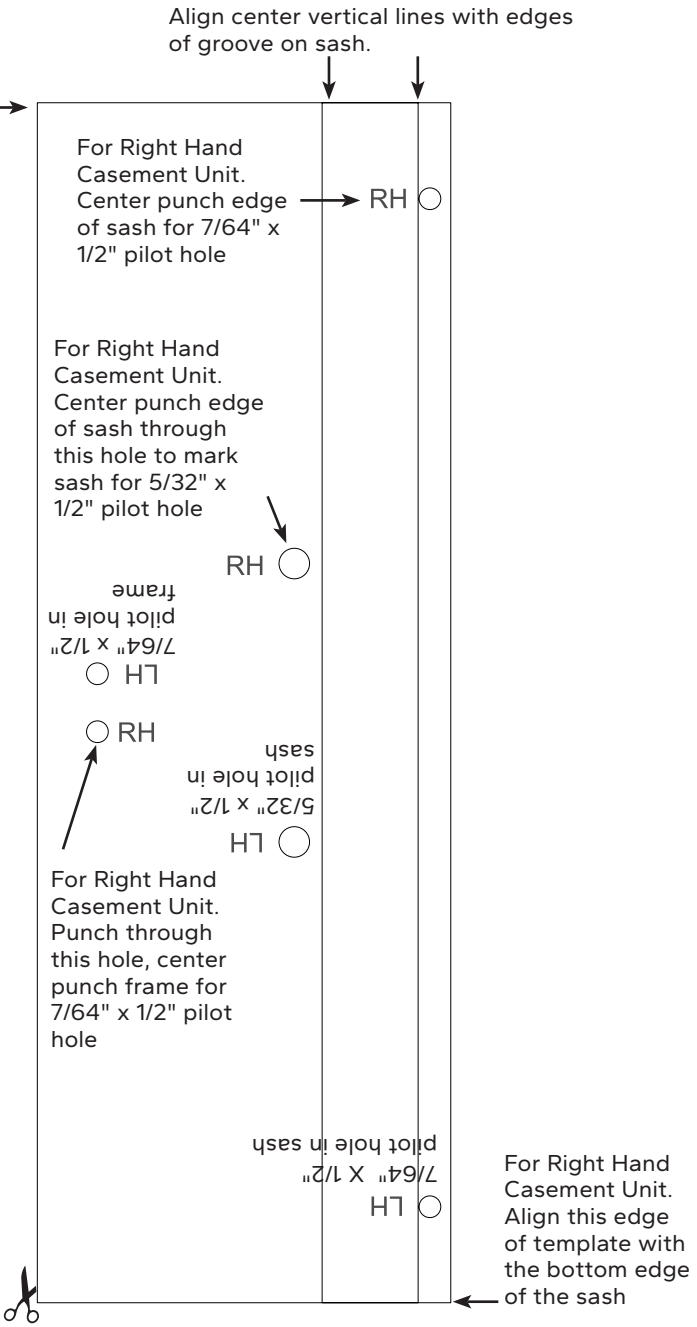
F. **Open the sash** until the limited opening hardware prevents further opening. The opening between the sash and frame should be approximately 3" when the measurement is taken near the hardware.

G. **Close the sash**. If the sash will not close all the way; see Trouble Shooting.

H. **Remove the release paper** from the back of the limited opening warning label. Apply the label to the lower corner of the window glass that does not contain the unit identification label.



Limited Opening Hardware Paper Template:



NOTE: When printing the template, make sure the page sizing is set to Actual Size or Page Scaling is set to none.