Awning Limited Opening Hardware Kit

INSTALLATION INSTRUCTIONS

Lea las instrucciones en español en el reverso.

Tools Required:

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

Awning windows wider than 19 inches require limited opening hardware on both sides of the frame mounted on the sill 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. If using the metal template; Proceed to step 2.

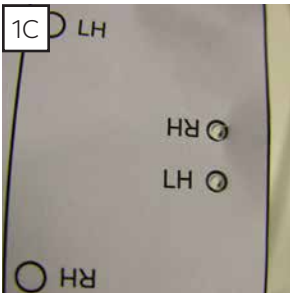
1 Prepping the Window for Limited Opening Hardware Using Paper Template:

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

B. **Cut out the provided paper template** (Page 8). Awning windows wider than 19 inches require limited opening hardware on both sides of the frame mounted on the sill and attached to the sash.



C. **Punch through both the LH and RH frame hole locations** that are the two closest together on the template. These template holes will be used in Step G to locate the correct place to drill a pilot hole for the limited opening frame bracket.



D. **For units 19" wide or less,** determine the handing of the unit. Handing of an awning can be determined by looking from the exterior of the unit through the glass at the location of the roto operator. If the roto operator is on the right-hand side, when viewed from the exterior, the unit is a right-hand unit; if the roto operator is on the left, it is a left-hand unit.

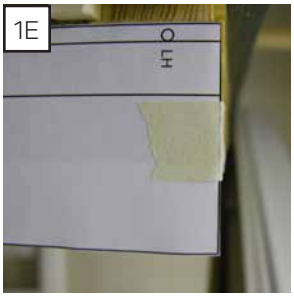
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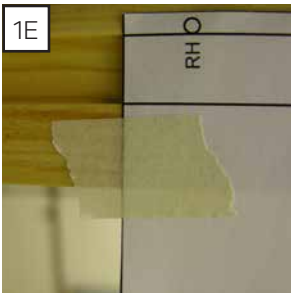
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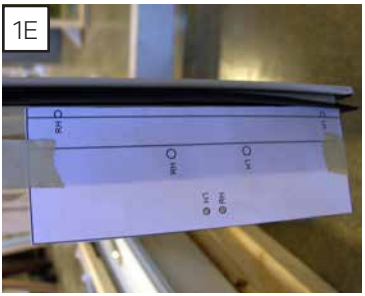
1 Prepping the Window for Limited Opening Hardware Using Paper Template (continued):

E. **Tape the paper template to the edge of the sash** with the edge of the template aligned with the edge of the sash and the two vertical lines on the template aligned with the edges of the groove on the sash edge. For units 19" wide or less, ensure the template is aligned with the edge of the sash that corresponds with the handing of the unit; e.g. for a left-hand unit <19" wide the template edge would be aligned with the left edge of the sash (as viewed from the exterior).

Aligning the two vertical lines on the paper template with the edges of the groove ensures the correct location of the template on all awnings. The template will NOT be against the sash rain strip on all windows.



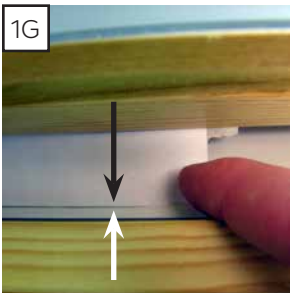


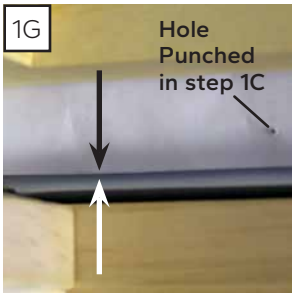


F. **Use a center punch** to mark the correct locations of the two holes on the edge of the sash. (See template, page 8.)



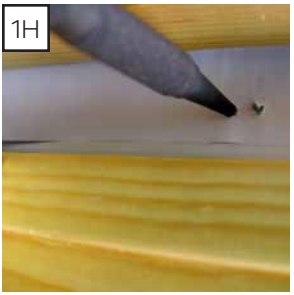
G. **Keep the paper template on the sash edge;** close the sash while at the same time gently push the extended portion of the template towards the frame. Close the sash until the template comes in contact with the frame edge as shown.





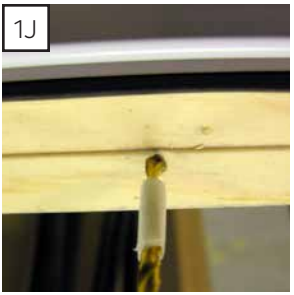
1 Prepping the Window for Limited Opening Hardware Using Paper Template (continued):

H. **Use a center punch to mark the frame** through the hole in the template closest to that side's frame jamb.



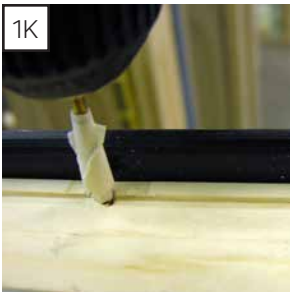
I. **Open the sash approximately 10 inches** and remove the paper template.

J. **Locate the hole punched in the sash edge** through the template in Step 1F nearest the interior. Drill a 5/32" x 1/2" deep pilot hole in the sash edge.



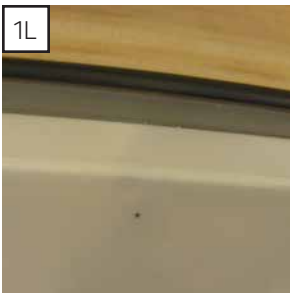
CAUTION: Use a piece of masking tape or a drill stop to control the pilot hole depth. Do not drill deeper than 1/2" or the insulating glass may be damaged.

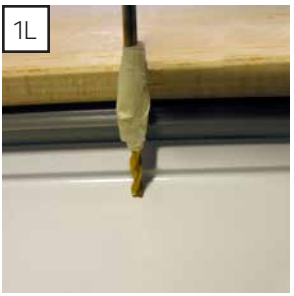
K. **Drill a 7/64" x 1/2" deep hole** at the location of the exterior hole in the sash edge.



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.

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



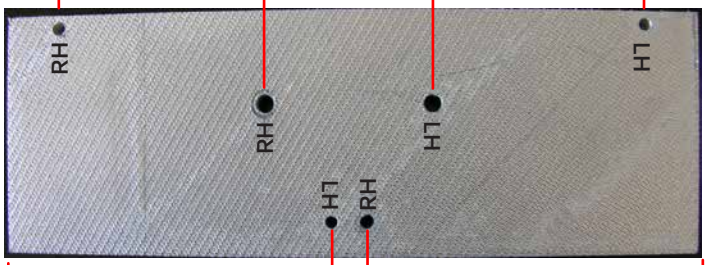


M. **If the unit is wider than 19",** repeat E-K on the other side of the sash and frame.

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

A. **For units 19" wide or less,** determine the handing of the unit. Handing of an awning can be determined by looking from the exterior of the unit through the glass at the location of the roto operator. If the roto operator is on the right-hand side, when viewed from the exterior, the unit is a right-hand unit; if the roto operator is on the left, it is a left-hand unit.

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



When template is aligned with the Right side edge of the awning sash as viewed from the exterior; 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. (See Step 2C.)

When template is aligned with the Left side edge of the awning sash as viewed from the exterior; 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. (See Step 2C.)

When template is aligned with the Right side edge of the awning sash; Drill a 7/64" x 1/2" deep pilot hole.

When template is aligned with the Left side edge of the awning sash; Drill a 7/64" x 1/2" deep pilot hole.

Align this edge of template with the Left edge of sash as viewed from the exterior.

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

Align this edge of template with the Right edge of sash as viewed from the exterior.

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

C. **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 edge of the sash. For units 19" wide or less, ensure the template is aligned with the edge of the sash that corresponds with the handing of the unit; e.g. for a left-hand unit <19" wide the template edge would be aligned with the left edge of the sash (as viewed from the exterior).

Attach the template to the edge of the sash with the provided #6-18 x 11/16" screw through the correct hole to temporarily hold the template in place.





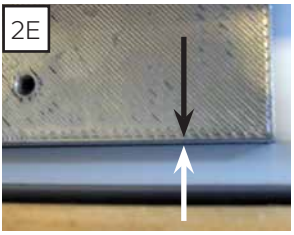
D. **Drill a 7/64" x 1/2" pilot hole** in the sash edge using the top template hole.

CAUTION: Do Not drill deeper than 1/2" or the insulating glass may be damaged.



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





F. **Use a center punch** to mark the frame through the hole in the template closest to that side's frame jamb.

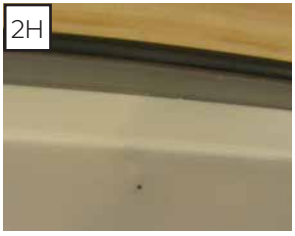
G. **Open the sash approximately 10 inches** and remove the template.

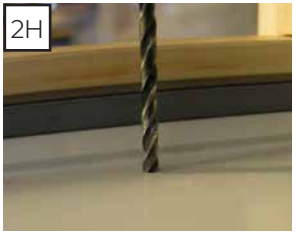




H. **Drill a 7/64" x 1/2" deep pilot hole** in the frame at the center punch mark.

I. **If the unit is wider than 19",** repeat C-H on the other side of the frame and sash.





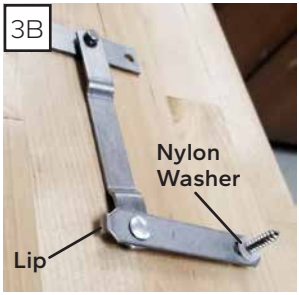
3 Installing the Limited Opening Hardware:

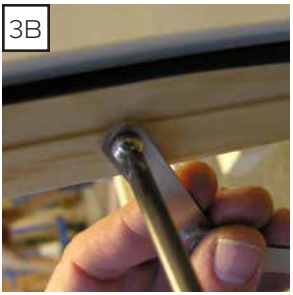
A. **Attach the brace strike to the sash edge** with a #6-18 x 11/16" screw into the hole nearest the sash rainstrip. The strike ensures the pivot arm remains in the correct orientation to the sash and frame.



B. **Insert a #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 2-3 inch gap** between the sash and frame. The limited opening pivot arms must be oriented toward the center of the sash. Insert a #6-18 x 11/16" screw into the bracket hole farthest from that side's jamb and attach the bracket to the frame.

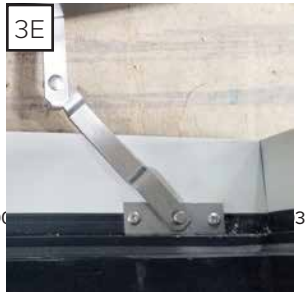


D. **Make sure the bracket is parallel with the frame edge** and drill a 7/64" x 1/2" deep pilot hole using the empty bracket hole as a guide.

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

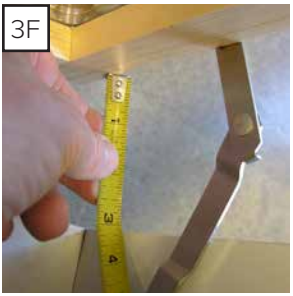
For units wider than 19", repeat steps A-E on the other side of the sash.





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.**

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 printer page scaling is set to "None" or page sizing is set to "Actual."