Ultimate Glider
Supplemental Installation Instruction

Before You Begin

The Marvin Ultimate Glider (CUGL and WUGL) is available in XO/OX, XX (Clad Only), XOX and picture (O) configurations. The UGL requires a flat and level sill plate, and the UGL frame must be installed in a plumb, square and true condition in order for the unit to operate correctly. Read this instruction carefully before installation. It is especially important that the sill plate is level within 1/16" (2) across the entire span before installing the unit. Please refer to the window installation instructions for opening preparation and technical specifications.

Table of Contents

Before You Begin 1
Standard Parts Shipped 1
Prep the Unit and Opening 1
Install the Unit 2
Remove the Operator Sash 4
Install the Screen (Clad) 5
Install the Screen (Wood) 5
Remove and Install the Picture Sash 5
Remove Center Sash from XOX 6

You Will Need to Supply	
Tape measure	Sealant
Level or laser level	Pry bar
Casing nails - Wood	2" (51) roofing nails - Clad
#8 x 3" flat head screws	Hammer
3" (76) reverse thread trim head screws	

Standard Parts Shipped

Units are sent with hardware. Four (4) nailing fin corner gaskets are sent with Clad units. Follow installation instructions included with part if applicable.

NOTE: Numbers in parentheses () are metric equivalents in millimeters to the nearest whole number.

Seek Assistance

Practice Safety. Always get help from another when moving heavy units and/or when removing large sash.

Prep the Unit and Opening

1. Remove packaging, skid plates and any staples that did not come off when removing the cardboard protection.

Hint

When using a rigid sill panning system, such as Marvin SillGuard, on clad units, rotate the sill nailing fin 180 degrees and reinstall. See figure 1. This procedure positions the sill nail fin to the exterior so the sill of the unit can be flushed up with the interior face of the wall.

NOTE: Clad illustrations shown for illustrative purposes except as otherwise noted.

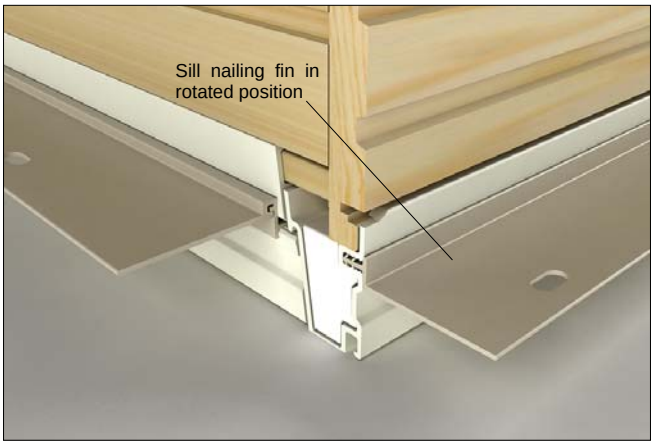

Figure 1

2. Remove the interior stop(s) and set aside in a safe location for re-installation. See figure 2.

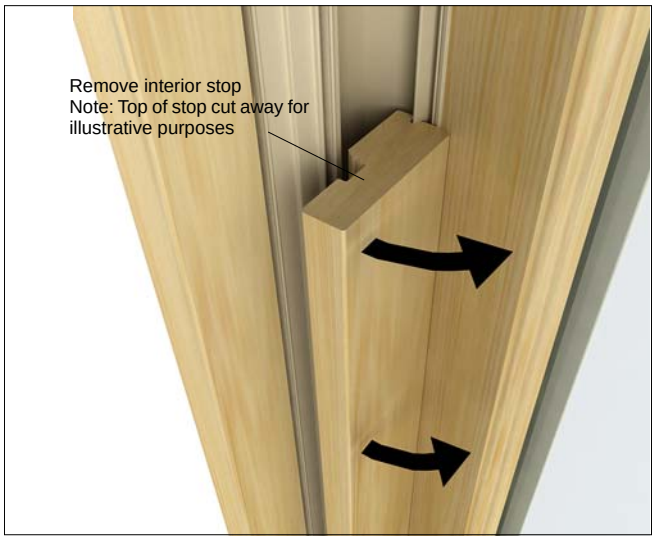

Figure 2

3. Dry fit or measure the opening to ensure that the unit can be installed in a level, square, plumb and true condition. If not, correct the opening before proceeding.

4. Ensure that the opening is properly prepped and apply a 3/16" – ¼" bead of sealant across the bottom of the sill plate ¾" (19) in from where the sill of the unit will make contact with the sill pan system. See figure 3.

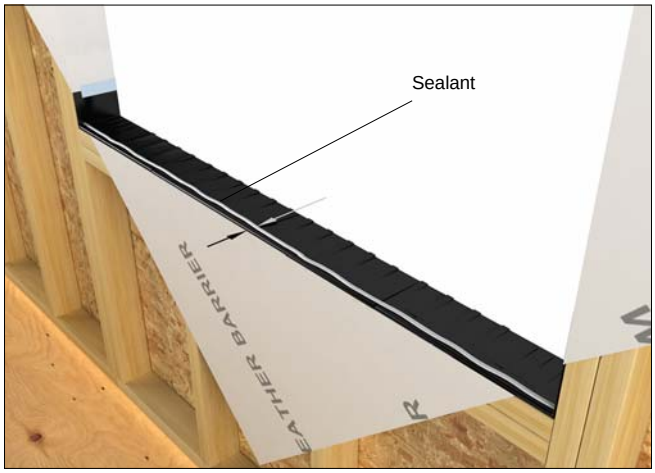

Figure 3

Install the Unit

1. Use an assistant to place the unit in the opening with the top of the unit tilted slightly forward so the unit can be rotated into the opening with the sill on top of the sealant.

2. Center the top of the unit in the opening and fasten exterior nailing fin or casing at the side jambs 4" (102) down from each side. See figure 4.

Figure 4

3. From the interior, position one of the side jambs flush with the interior wall surface or correct distance from the interior surface of the jack stud and install a trim head screw through the top pre-marked fastener location in the side jamb. Do the same for the other side jamb. See figure 5.

Figure 5

4. Open an active sash approximately 1/2" (13). Use a pry bar to move the bottom of the unit until the reveal between the sash and side jamb is the same at the top and the bottom. See figure 6.

Figure 6

5. Once the reveal is the same at the top and bottom, position the bottom of the frame flush with the interior wall, install a trim head screw through the bottom side jamb pre-marked fastener location, adjust as needed. Repeat this procedure at the bottom of the other side jamb.

6. Insert trim head screws at the center pre-marked fastener location in the side jambs and adjust until the reveal between the sash and side jamb is the same along the entire length. See figure 7.

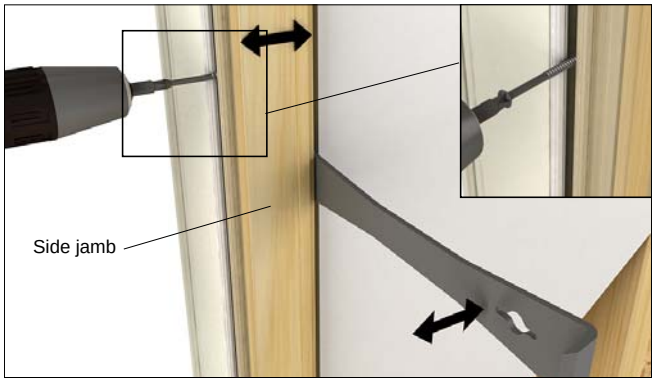

Figure 7

7. Remove the interior screw from the bottom meeting stile seal block, insert sealant into the hole and replace with a #8 x 3" long screw through the seal block into the sill plate. See figure 8.

Figure 8

8. For units with a stationary sash remove the screw from the head jamb bracket and replace with a #8 x 3" flat head screw into the header and adjust until the head jamb is flat and level. See figure 9. For XX units use a trim head screw.

Figure 9

9. To meet the published DP ratings insert shims between the jambs and RO 4" (102) from each corner and at 15" (381) intervals. Cut the shims off flush with the interior of the unit. See figure 10.

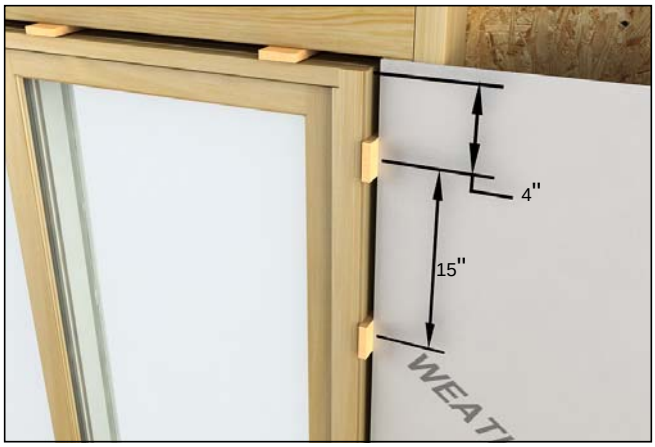

Figure 10

10. Refer to the Marvin Window installation instructions, Clad or Wood, for final installation steps.

Remove the Operator Sash

1. Open the interior operator sash to the fully open position. Depress the sash retainer bar latch and slide the retainer bar completely free of the sash. See figure 11.

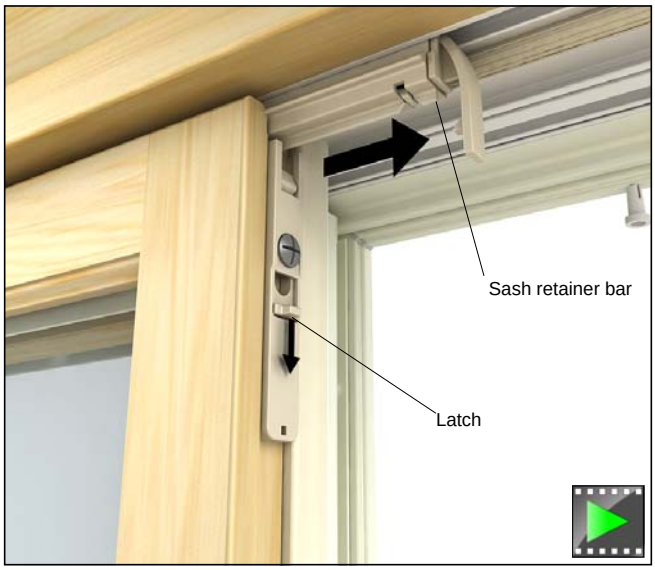

Figure 11 Video clip of removing and installing sash.

2. Grasp both sides of the sash, tilt the top inward and remove the sash. See figure 3. To install reverse the above procedure. For XX configurations proceed to the next step.

Figure 12

3. After the interior operator sash has been removed, slide the interior sash retainer bar back across the head jamb to it's closed position. Slide the exterior sash to the fully open position, depress the sash retainer bar latch and slide the sash retainer bar completely free of the sash. Grasp the sash on both sides, tilt the top inward and remove the sash. See figure 13. To install the sash reverse the above procedures.

Figure 13

Install the Screen (Clad)

1. Open the interior operator sash to the fully open position and insert the screen, with the screen guides towards the bottom, into the opening. Pull the screen up tight against the frame while pulling on the screen pins. Once the screen is tight against the frame let go of the pins. See figure 14.

Figure 14

NOTE: For XX units install the screen with the astragal first and slide it across the opening tight up against the side jamb.

Install the Screen (Wood)

1. Open the interior operator sash to the fully open position and insert the screen into the opening. Position the spring side stile of the screen into the sash screen channel and compress until the tab side can be inserted into the jamb screen channel on the other side. See figure 15.

Figure 15

Remove and Install the Picture Sash

Seek Assistance

Once the CUGL picture sash stops have been removed the sash must be held in place until removed. Be sure to have an assistant and proper glass handling equipment, such as suction cups, to help remove the sash.

1. Use a stiff putty knife to first remove the side jamb part covers, next the sill cover, and last the head jamb cover. See figure 16.

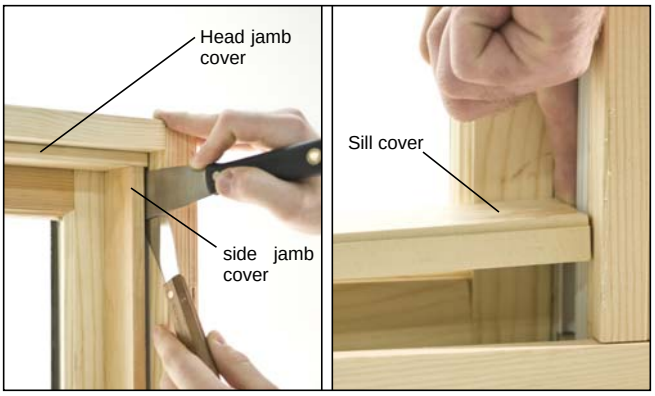

Figure 16

2. Tilt the sash inward, lift and remove. See figure 17.

Figure 17

3. To reinstall the picture sash place the bottom of the sash on the exterior sill track and tilt the top of the sash back into place.

4. First install the head jamb cover, next the sill cover and last the side jamb covers.

Remove Center Sash from XOX

1. Begin with the two operating sash removed. Follow the steps from “Remove the Operator Sash” on page 4.

Figure 18

2. Apply a quick grip clamp to the frame to aid in removing the exterior covers as shown in figure 19. Using a standard screwdriver or flat pry bar, carefully lift and remove the exterior aluminum covers from both the head jamb and sill. See figure 19.

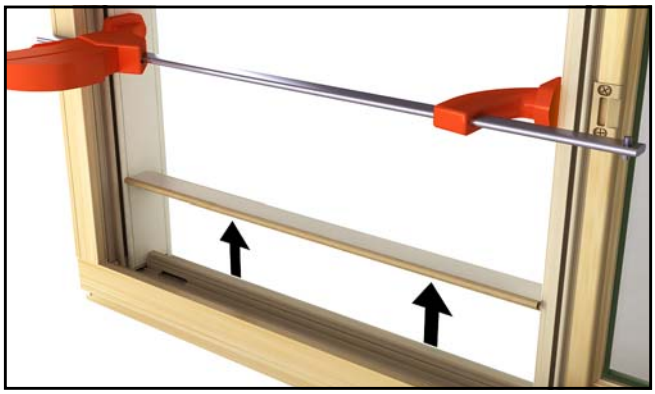

Figure 19 Using a quick grip clamp will help to prevent damage to the components.

NOTE: Use care when removing the exterior aluminum covers so as not to scratch or damage the sash or jamb covers.

3. Remove the stationary brackets. See figure 20 and figure 21.

Figure 20

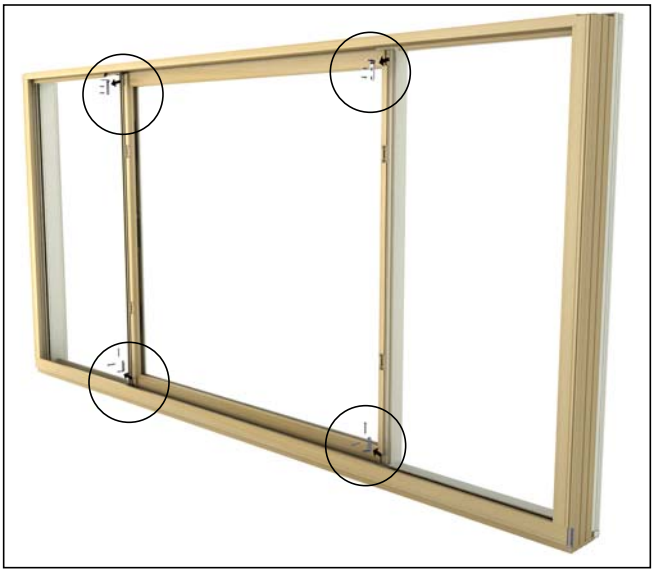

Figure 21 There will be 2 brackets located at the head jamb, and 2 located at the sill.

4. Using the same method as in step 2, carefully remove the interior wood stop from the head jamb. See figure 22.

CAUTION

Once the interior stop is removed, the sash is no longer fastened to the frame.

Figure 22

5. Tilt the sash towards the interior and remove. See figure 23.

Figure 23