Marvin Ultimate Push Out Casement Supplemental Instruction

NOTE TO INSTALLER: *The Marvin Ultimate Push Out Casement unit features a friction limiter that can be locked open in three positions and easily disconnected to place the sash into the wash mode. The sash features a lever activated multi-point lock system with adjustable cams that enable the user to tighten or loosen the closing force of the sash lock. For sizes 64 9/32" and under the lever handle is placed in the center of the sash, on all larger sizes the lever handle is placed 31 3/8" up from the sill and optional dummy handle can be ordered. The interior screen is hinged and the knob is shipped loose for job sit installation.*

Parts Shipped with Unit	
Dummy handle (optional)	Screen knob
You Will Need to Supply	
Straight slot screwdriver	Drill
Safety glasses	5/32" (4) drill bit
9/64" (3) allen wrench	

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

Installing the Unit

1. If using screw through the jamb installation method, open sash and remove unit sill, head jamb, and side jamb stops.

2. Install unit into the opening per installation instructions.

Adjust Sash Cam Locks

1. Operate the sash and place lever into the closed position to check locking force of the sash; if necessary, adjust sash cam lock to increase or decrease sash locking force. See figure 1.

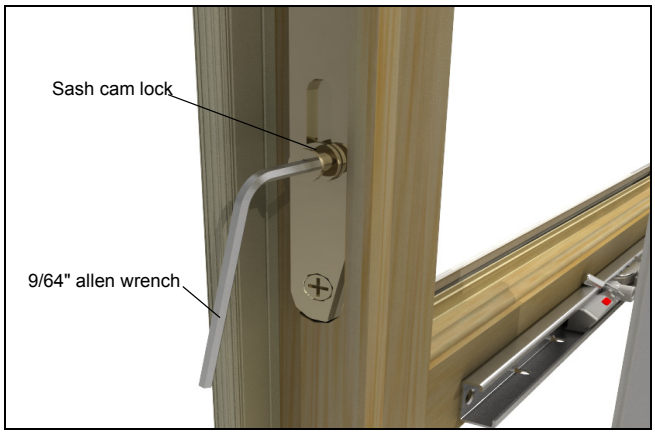

Figure 1

Adjust Friction Limiter

1. Operate the sash back and forth to check operation of the friction limiter; if necessary, adjust friction screw on the limiter to increase or decrease limiter operating force. See figure 2.

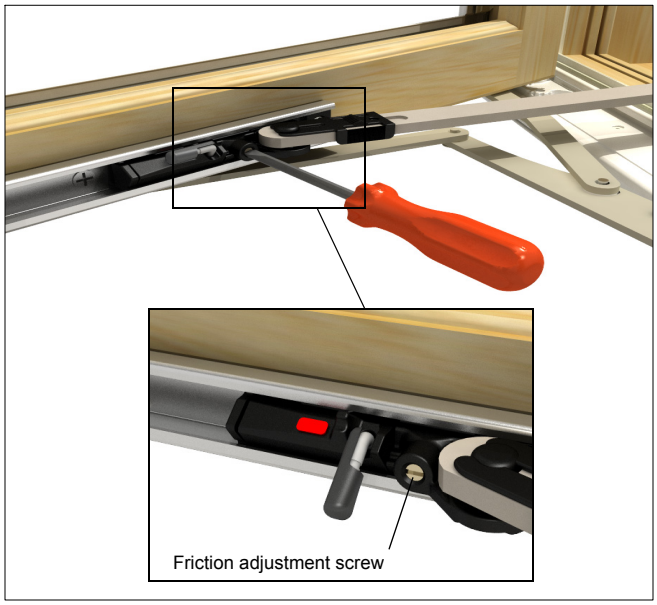

Figure 2

Handle Grip

1. Open the sash and rotate the handle grip to the down position; push out on the sash to place the sash in one of the locked positions. Gently push or pull on the sash to verify that the locked open function is operating properly. See figure 3.

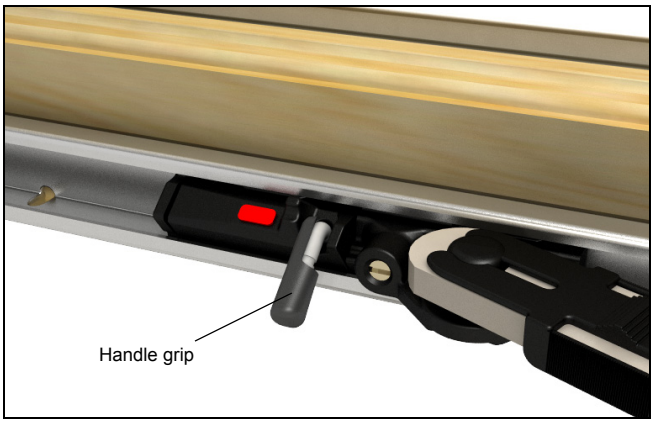

Figure 3

Wash Mode

1. To place sash in wash mode, disconnect friction limiter arm from the sash and push it back under the hardware cover. See figure 4.

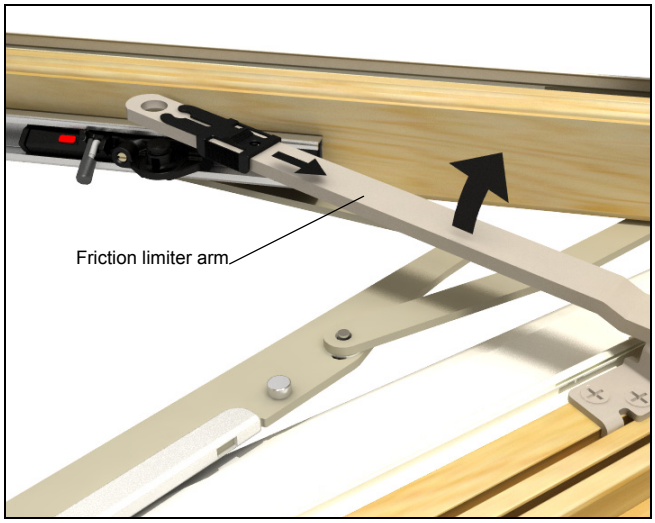

Figure 4

Install Screen Knob

1. Install the screen knob by first locating the height at which the screen knob is easiest to operate. Measure and mark a spot 13/16"(21) in from the edge of the stile and drill a hole through the stile with 5/32"(4) bit. Install supplied screen knob.

Remove Handle

1. Remove handle when painting or staining the sash. See figure 5.

Figure 5

Hinge Adjustment Procedures

NOTE: The casement hinge track hardware has been designed with an adjustablility feature that allows a sash that is slightly out of alignment to be realigned to the frame.

1. To adjust the hinge without detaching the support arms it is necessary to use a hinge adjustment wrench as found in the Marvin Parts Manual. See figure 6.

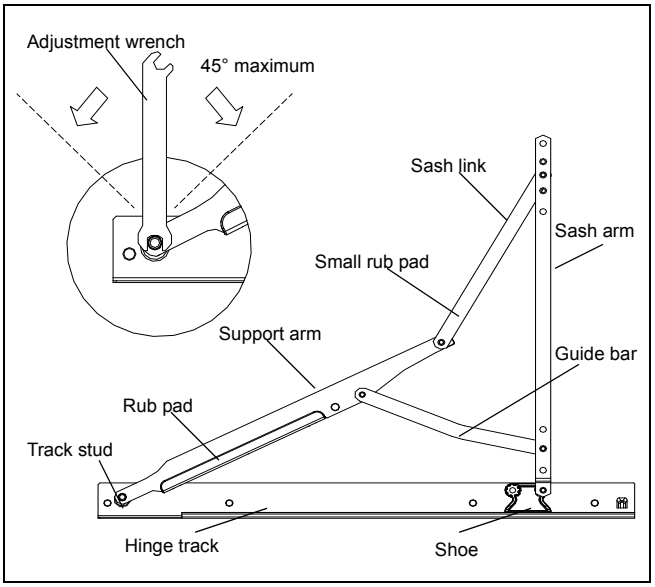

Figure 6

NOTE: Do not rotate track stud more than 45° from perpendicular in either direction.