

SUPPLIED PARTS	
Push Out Casement side stops routed for butt hinges and ball tension lock	Push Out Awning head jamb routed for hinges and sill cover routed for ball tension lock
Butt hinges	Screen knob w/#10x1 3/4" screw
Ball tension lock	Screws #3x9/16" and #7x7/8"

YOU WILL NEED TO SUPPLY	
Phillips screwdriver	Flat head screwdriver
Phillips head screwdriver	Drill with 3/16" and 5/32" bits
Stiff putty knife	Pencil
Safety glasses	

Installing Stops and Hinges on the Frame

1. Casement and awning units: Open sash and remove head jamb part stop and sill cover. Casement units will require removal of the side jamb part stops before proceeding. See figure 1A and 1B.



Figure 1A



Figure 1B

2. Place butt hinge routed side stop in place and insert the butt hinge. (For casement units determine which side will be the hinge side.) Slide the stop to the exterior and lightly mark the top and bottom location of each hinge on the jamb. See figure 2.

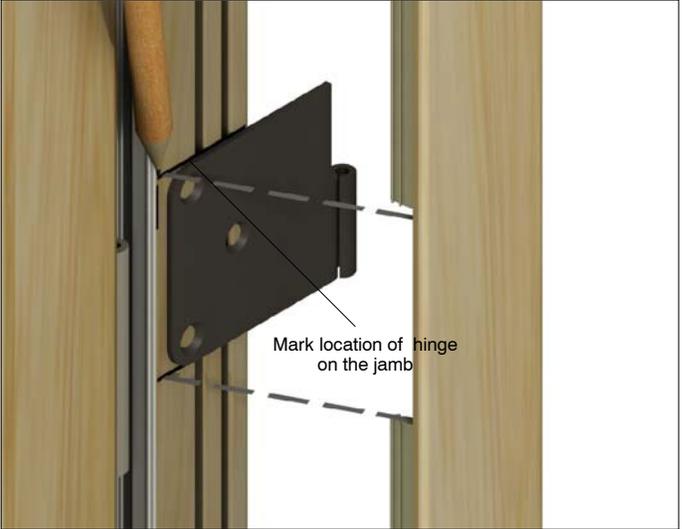


Figure 2

3. Remove stop, measure and mark a 3" (76) long line 5/16" (8) in from the interior edge of the thermal break. See figure 3.

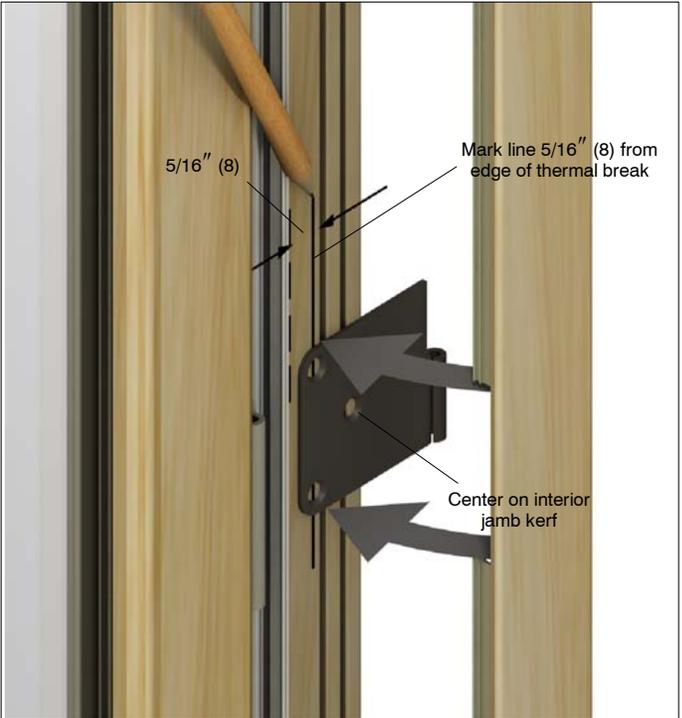


Figure 3

NOTE: The middle hole of the hinge should intersect with the interior kerf of the jamb.

- Place stop back on side jamb (head jamb for awnings) and slide butt hinge onto the jamb with the two holes on the hinge centered on the pencil mark on the jamb. See figure 4. Drill 1/8" pilot holes at each screw location and install #7x7/8" screws. See figure 4. Remove stop and install the third screw. Repeat procedure for each hinge.

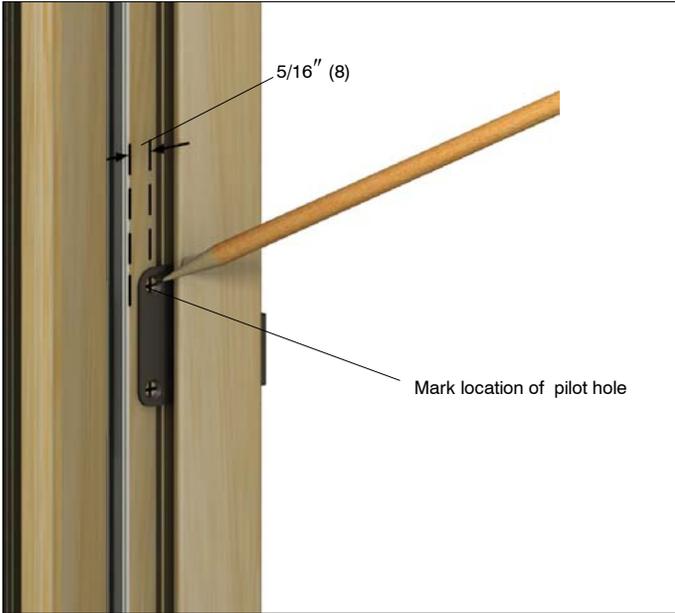


Figure 4

NOTE: Awning units are to have one outer hinge reversed to make sure the screen stays in place when operating the screen

Installing Hinges and Parts onto the Screen

- Apply pre-routed stop to opposite side and install screen ball tension catch with wood screws. See figure 5.



Figure 5

- Install hinges at the pre-marked locations on the screen. (Note the reversed hinge on an Awning unit will need to be applied as the screen is being installed.) See figure 6.

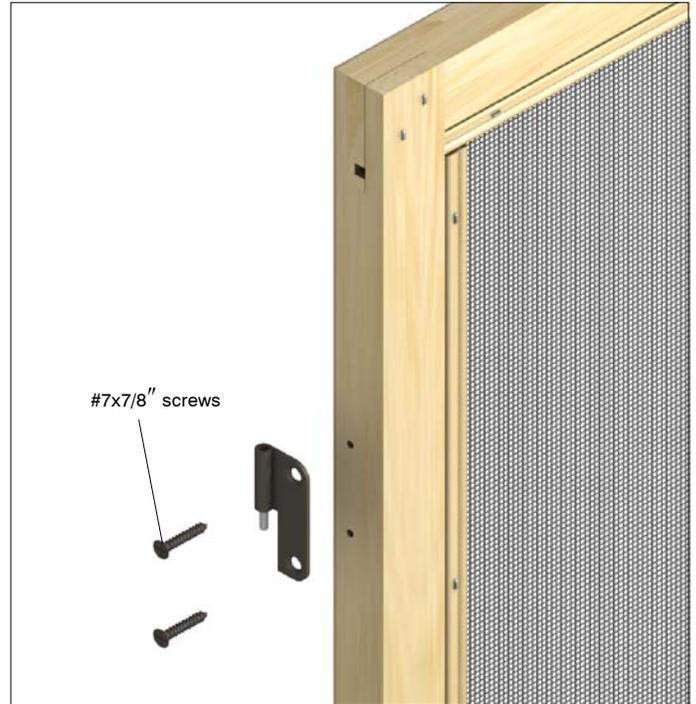


Figure 6

- Install screen catches at the pre-marked locations on the screen. Measure and mark, at your desired location, a spot 13/16" (21) in from the edge of the stile and drill a hole through the stile with a 3/16" bit. Install supplied screen knob. See figure 7.

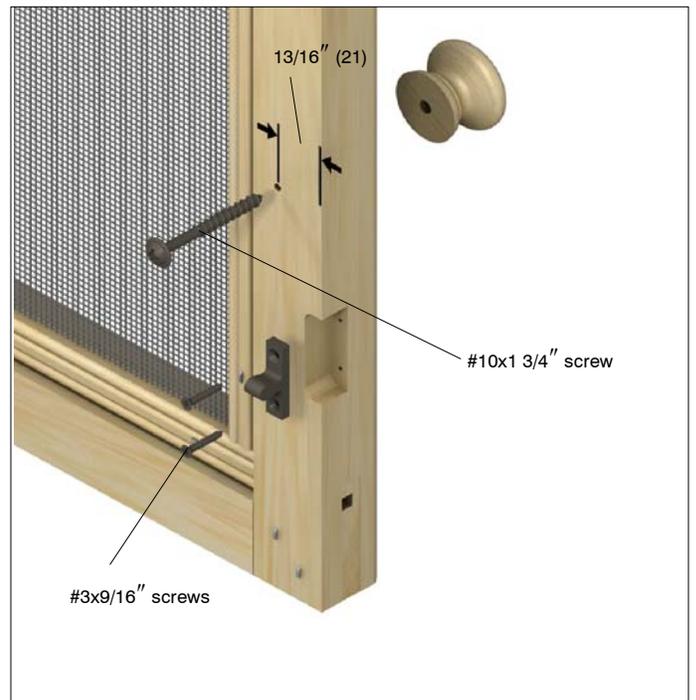


Figure 7