

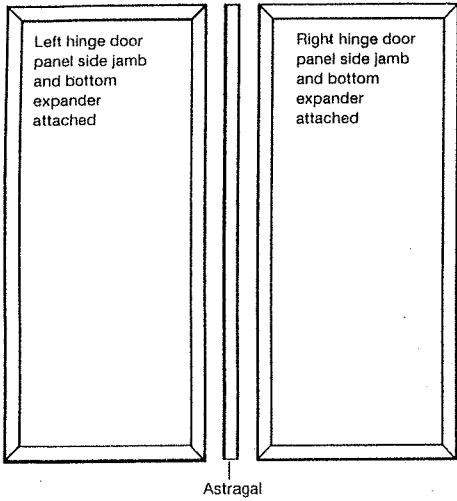


Grandeur Door for Clad and Wood Doors

Installation Instructions for Grandeur Swing Patio Screen Door

GRANDEUR MATERIALS SUPPLIED

HEAD CHANNEL



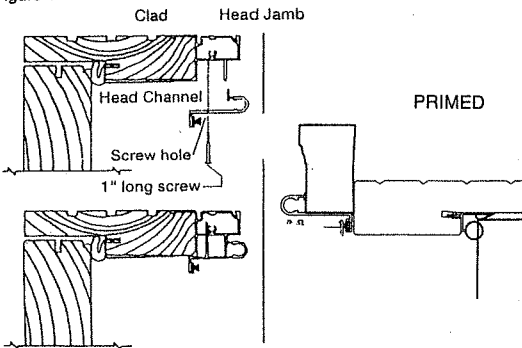
Door handle package
 Spring latch (2)
 (20) 1" stainless steel screws
 (4) 5/8" stainless steel screws
 3 wood strips
Note: Some clad & primed door kits may not contain the filler strips as they are not necessary for installation.

Tools Needed
 Safety glasses
 Power drill
 #2 Phillips screwdriver
 Utility knife
 Tape measure
 Pliers
 Drill bit 7/64"
 Drill bit 1/8"
 Drill bit 5/16"

Step 1

Place filler strips in top "u" channel if supplied. (Figure 3) Now place the head channel at top of door opening on exterior side. Using a 1/8" bit, drill one hole through the filler and frame, then fasten with screw provided. Continue on with the next three holes. (Figure 1)

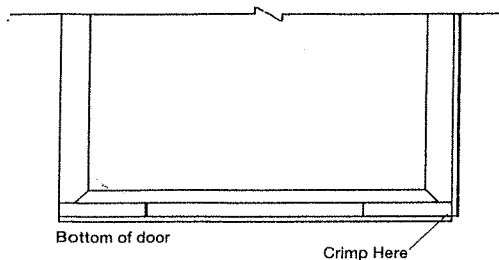
Figure 1



STEP 2

Trim the black rubber door sweep even with adjustable bottom expander. Crimp the ends of the slot with pliers to prevent sweep from sliding out. (Figure 2)

Figure 2



Step 3

Place filler strips in side "u" channel if supplied. (Figure 3) Now place left or right door panel on frame. Be sure the side hinged channel aligns properly with head channel miter. Drill one hole into the frame with 1/8" bit and secure with 1" screw, then check for alignment, continue on with next 7 screw holes. Now repeat on remaining door panel. On single clad doors the lock side filler strip should be cut in two places so there is no filler where the dead bolt and lock are.

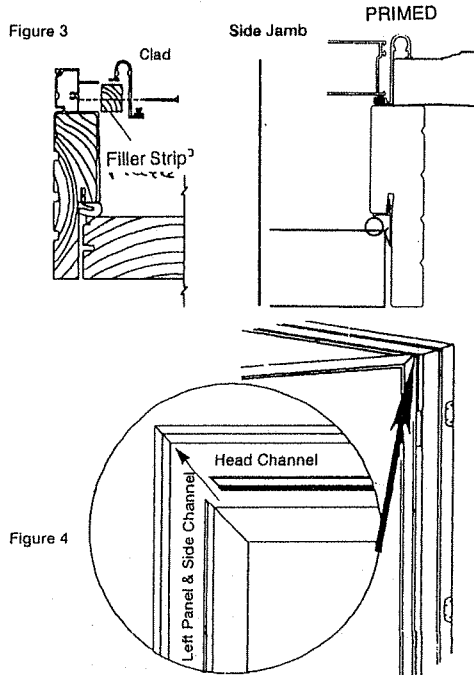
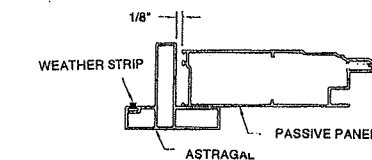
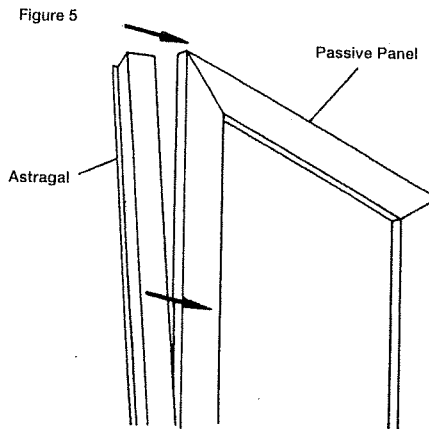


Figure 4

Step 4

Place the astragal on the passive panel (Inset A) allowing a 1/8" gap. Top of astragal should be even with top of door. Screw through the center of the slot. Close active panel and adjust astragal or even gap.

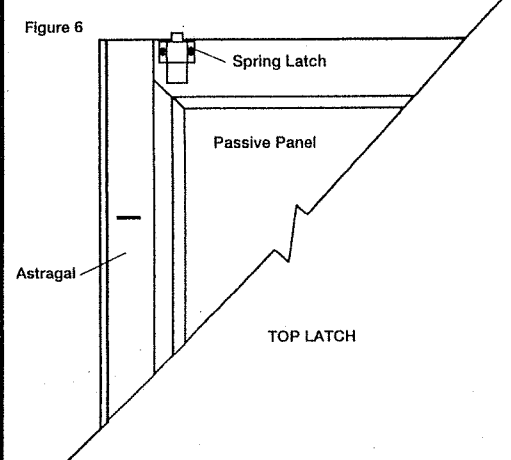


Step 5

Install handle hardware on active door using the instruction sheet provided.

Step 6

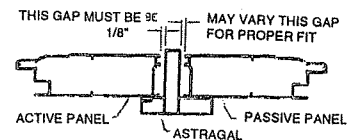
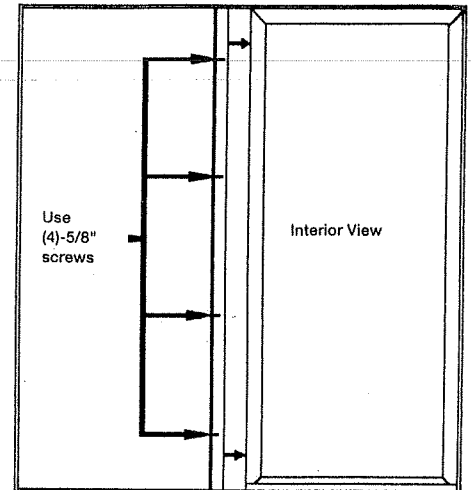
Install spring latches to passive door at head using spacer and screws provided. Base of latch should be 1/4" down from head channel. (Figure 6)



Step 7

Close both panels and recheck for proper clearance between astragal and active panel (1/8"). Also check for proper latch engagement on astragal. Now secure astragal to passive panel using (4) 5/8" screws (Figure 7). Adjust bottom expander to desired position.

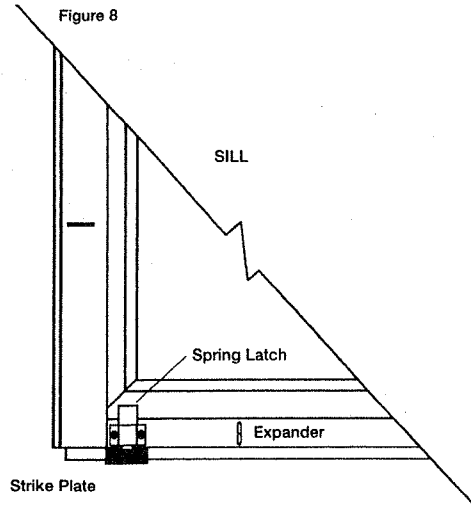
Figure 7



**STEPS 4, 6, 7, 8
 NOT APPLICABLE
 TO SINGLE DOOR UNITS**

Step 8

Carefully position the remaining spring latch to expander and the strike plate (lip to the outside) to sill (Figure 8). Once proper location has been determined so that the door is aligned within the frame, secure with enclosed screws. May have to be shimmed. Shims are in spring latch bag.



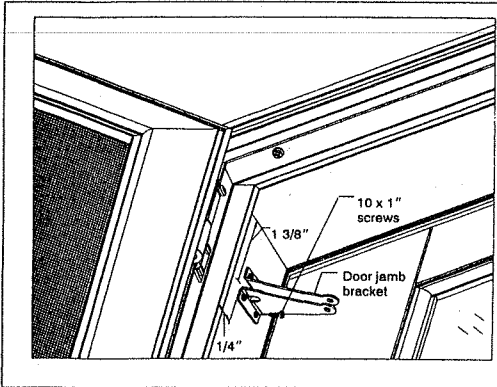
Step 9

Screen Door Closer Installation

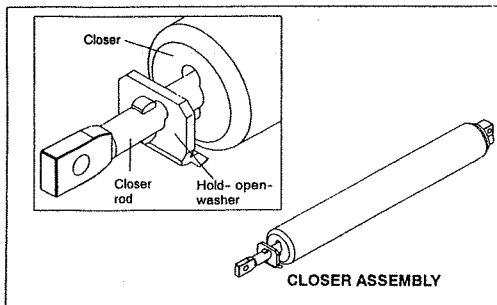
Measure and mark 1 3/8" from head jamb on the primary hinge side jamb. Center and level jamb bracket 1/4" from screen door panel on mark made previously. Using the jamb bracket as a template, mark screw holes and predrill with a 1/8" drill bit. See illustration.

NOTE: If more latching force is desired, jamb bracket may be moved up to 1" away from the screen door. Moving the bracket further from door normally reduces full door operation.

Attach bracket to hinge side jamb with four #10 x 1" screws.



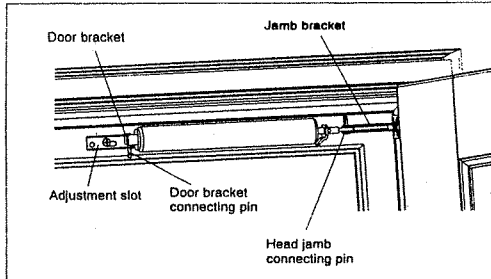
Place hold-open washer on closer rod and position over lugs. This will give proper tension for installation.



Attach jamb bracket to closer tube assembly using short door bracket connecting pin. Attach screen door bracket to closer tube front hole with long connecting pin.

Close and latch the screen door. From the interior, hold closer and door bracket against screen door top rail in a level position. Mark and drill one 7/64" pilot hole in the adjustment slot opposite the cylinder. **Do not drill completely through screen door panel.** Attach door bracket to screen door with one #8 x 1/2" screw in adjustment slot.

Second door closure should be mounted to the bottom of the active panel in a similar fashion.



Adjust closing tension by moving the door bracket. Slide bracket toward locking jamb to increase tension or away from locking jamb to decrease tension.

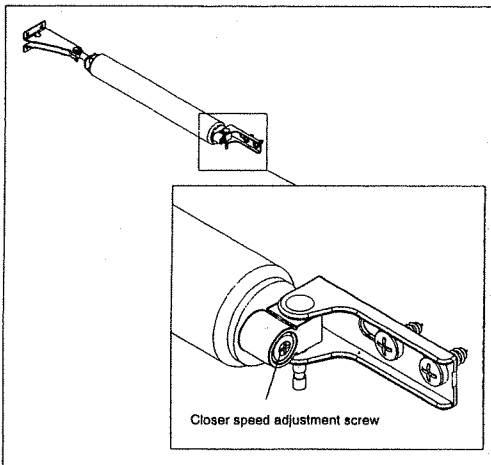
Tighten screw in the adjustment slot.

Operate door to verify that it closes satisfactorily.

Drill remaining 7/64" hole for door bracket and secure with other #8 x 1/2" screw.

Closing Speed Adjustment

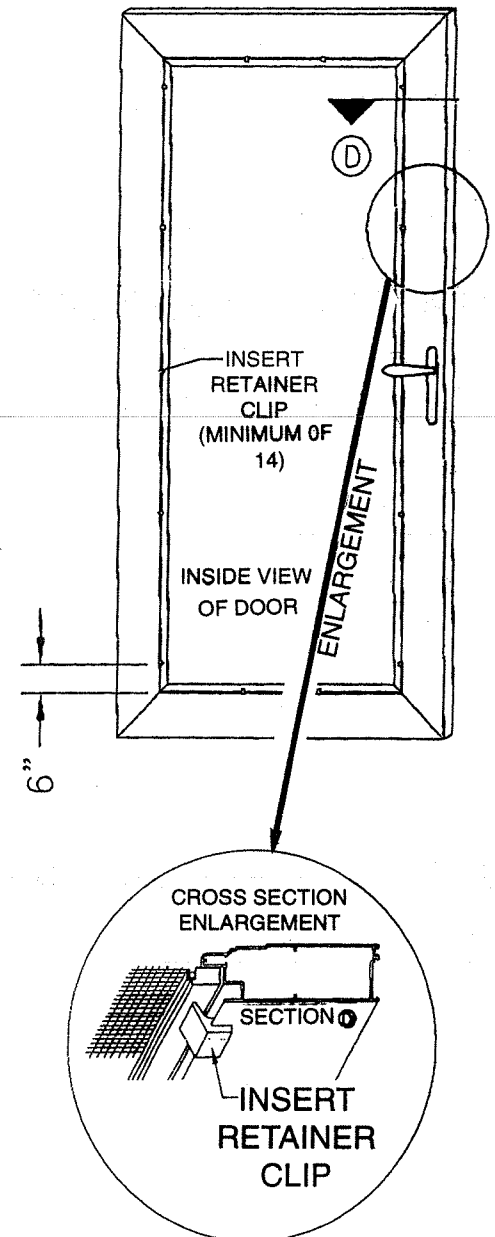
Closing speed adjustment is made by tightening or loosening adjusting screw located at the rear of cylinder assembly. If smoother more quiet closing action is desired, hold door open about 8" with hold-open washer. Remove long tube connecting pin from door bracket and relocate in closer tube rear hole.



Unit is now complete

INSTALLATION OF SCREEN AND GLASS INSERT RETAINER CLIPS

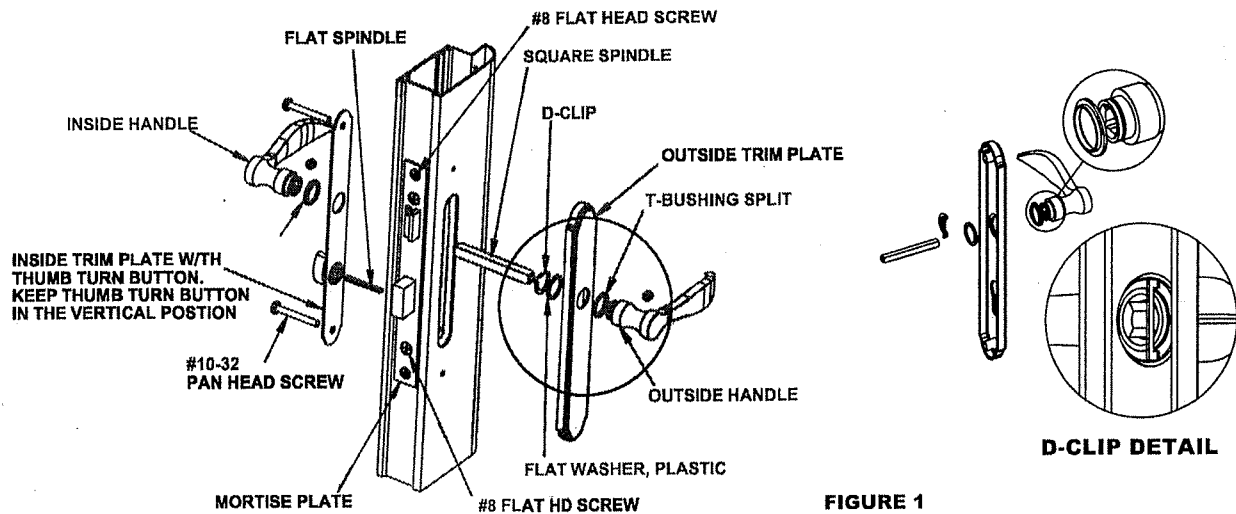
AFTER PLACING THE SCREEN OR GLASS INSERT INTO THE DOOR FRAME BY CENTERING IT IN THE OPENING, INSTALL INSERT RETAINER CLIPS AS SHOWN BELOW BY PUSHING FULLY INTO PLACE. INSTALL AT LEAST FIVE CLIPS ON EACH HEIGHT FOR DOORS THAT ARE 6/8 TALL, AND SIX CLIPS PER HEIGHT FOR 8/0 TALL DOORS. POSITION THE TOP AND BOTTOM CLIPS ABOUT 6" FROM THE CORNERS, AND THEN SPACE THE REMAINING CLIPS FOR THE DOOR HEIGHTS EVENLY BETWEEN THE TOP AND BOTTOM CLIPS. NEXT INSTALL TWO CLIPS EVENLY SPACED ON THE TOP AND BOTTOM OF THE DOOR (DOOR WIDTH). MAKE SURE TO INSTALL ALL CLIPS PROVIDED.



**ADDENDUM TO GRANDEUR DOOR INSTRUCTIONS
FOR INSTALLATION OF
“DUMMY” HANDLE SYSTEM**

The “dummy” handle system for the passive panel is actually the same as the handle system for the active panel. It should be installed in a similar manner. The astragal that is attached to the passive panel will render the “dummy” handle system on the passive panel useless, as it is intended for decorative purposes only.

INSTALLATION INSTRUCTIONS



STEP 1. LATCH INSTALLATION INSTRUCTIONS

IMPORTANT - DOOR JAMB (Z-BAR) HAS OPENINGS FOR BOLT EXTENSION. THE WOOD IN THESE OPENINGS MUST BE REMOVED TO A MINIMUM DEPTH OF 3/4" BEFORE OPERATING THE DEADBOLT WITH THE DOOR CLOSED. See Step 3A.

A. From outside the door, determine if your door is a right or left hinged door. See Fig 2.

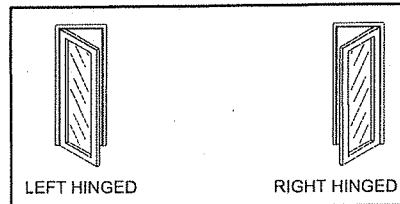


FIGURE 2

B. If the latch bolt orientation of the mortise plate and latch assembly matches your door go to **Step C**. If the latch bolt orientation is incorrect for your door, remove the #10-32 X 5/8" flat head screw and mortise plate. Rotate the latch bolt 1/2 turn (180 degrees) and reattach mortise plate to latch assembly. See Fig. 3.

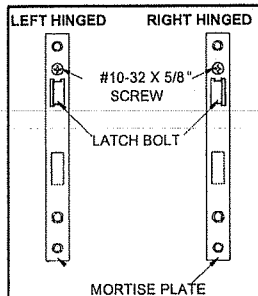


FIGURE 3

C. Insert latch assembly into end of door panel as shown in Fig. 4. **DO NOT** fasten at this time, fastening will be completed in **Step 2G**.

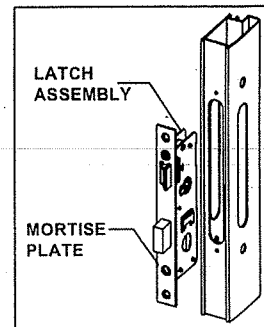


FIGURE 4

STEP 2. HANDLE AND ESCUTCHEON PLATE ASSEMBLY

A. Insert outside handle through the T-bushing and outside trim plate.

B. On the back of the outside trim plate, place the flat nylon washer over the handle and slide the D-clip over the flat nylon washer, making sure that the D-clip is oriented vertically. Insert the square spindle all the way into the handle. Using the Hex wrench provided, tighten the set screw on the underside of the handle to hold the spindle in place. See Fig. 1 - D-clip detail.

C. From the outside of the door, insert the outside handle/trim plate/spindle assembly through the square hole in the latch assembly, making sure that the lever handle is facing in the correct direction.

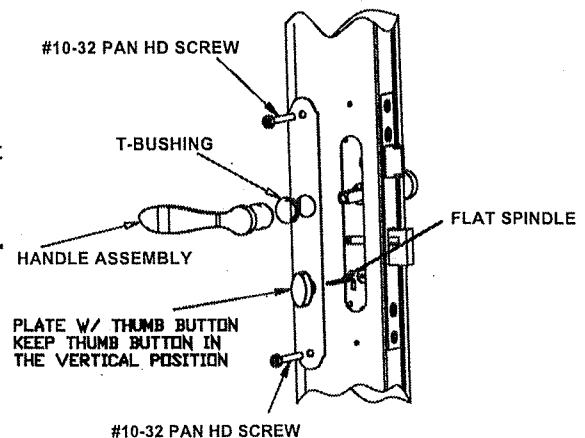


FIGURE 5

D. Insert flat spindle into rectangular slot on latch assembly. Align thumb turn button in vertical position on the inside trim plate. See Fig. 5.

E. On the inside of the door, position the inside handle, with T-bushing, through the inside trim plate and over the spindles; making sure inside lever is facing in correct direction.

F. Align trim plates and install the (2) 10-32 pan head screws through the top and bottom holes on the inside trim plate. **CAUTION: DO NOT OVERTIGHTEN AS WALLS MAY BEND.** Hold the handles tightly together and tighten set screw on inside handle with hex wrench.

G. Centerpunch and drill 1/8" pilot holes and install the (2) #8 X 1/2" flat head screws in the edge of the door securing latch assembly to the door. See Figure 1.

****To maintain proper operation of your door hardware, periodically check your mounting and set screws for tightness****

STEP 3. STRIKE INSTALLATION INSTRUCTIONS

A. Using a drill and chisel, clear the wood from the strike openings behind the "Z" bar a minimum of 3/4" deep. See Fig. 6.

B. With the door open, extend the deadbolt fully. Carefully close door until deadbolt contacts the z-bar. With a pencil, mark the location of the top and bottom of the deadbolt onto the z-bar. See Fig. 7. Return the deadbolt to the fully retracted position.

C. Position the strike plate on the latch side z-bar. Align the strike vertically by centering the bottom hole in the strike plate with the marks previously made on the z-bar. See Fig. 8.

D. Position the strike horizontally by aligning the outside edges of the top and bottom slots in the strike plate with the outside edges of the top and bottom slots in the z-bar. Mark the hole locations in the center of the two adjustable slots. (Do not mark or drill center screw hole.)

E. Remove the strike and drill the marked holes with a 1/8" drill bit. Reposition the strike and insert #8 x 1/2" flat head screws into the mounting holes and tighten. Close the door and check for proper operation of latch and deadbolt. Adjust the strike if needed.

F. With the strike in final position, drill remaining hole with a 1/8" drill bit. Insert #8 x 1/2" flat head screw and tighten.

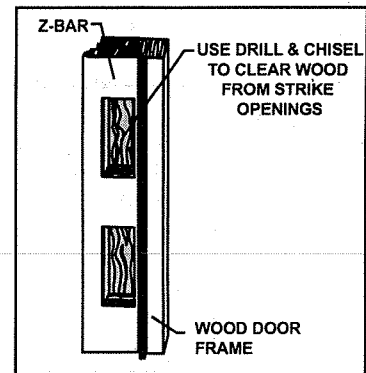


FIGURE 6

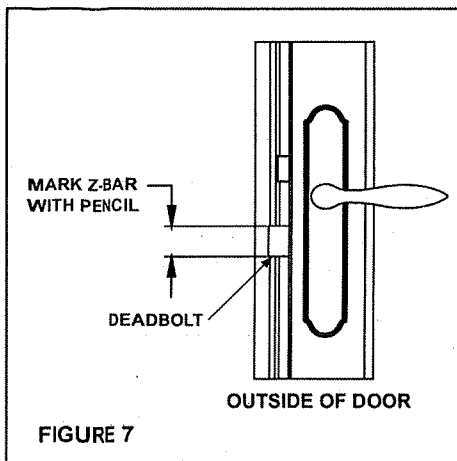


FIGURE 7

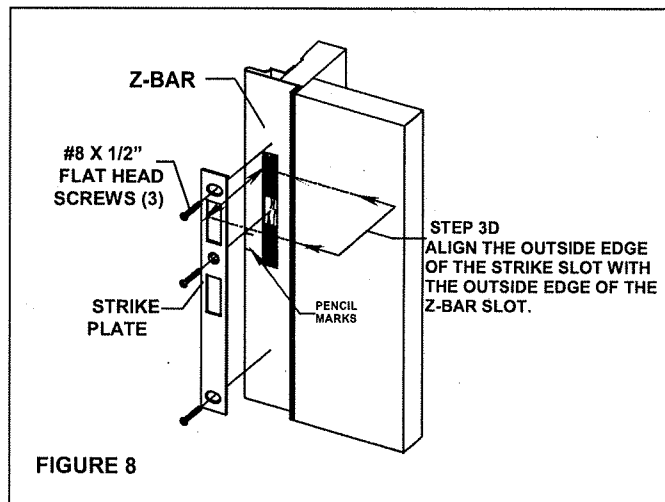


FIGURE 8