

# GUARDIAN

SECURITY STORM DOORS

2106 S. 63rd Street  
Philadelphia, PA 19142

## DOOR INSTALLATION INSTRUCTIONS

### REMOVING PIGGYBACK GLASS AND SCREEN

- A. Prior to installation of door, remove #10x1½" phillips head screws and double stacked thumb turn clips.
- B. Reinstall only glass or screen with #10x1" phillips head screws using one thumb turn clip per screw. (Discard #10½ 1½" phillips head screws, they are used for packaging purposes only).

### MOUNTING THE DOOR

1. Carefully measure height of door opening from header to threshold on hinge side. (See Figure #1)
2. Cut the bottom of the hinge side Z-Bar 1/8" shorter than the opening using a hack saw.
3. Place the door in the opening tight against hinge side jamb, then wedge a shim in the lock side to hold the door in place.

**NOTE:** To avoid damage or spitting of the wood jamb we recommend drilling a small pilot hole prior to installing the mounting screws.

4. Install a #10x2" one way stainless steel screw into the two holes of the top hinge. Remove the short center tac screw and discard. Now insert another #10x2" one way stainless steel screw into the center hole.
5. Repeat No. 4 for middle and bottom hinge.
6. Swing the door open and screw 2 countersunk #10x1¼" phillips head wood screws into jamb through the pre-countersunk holes located behind the top and bottom hinge. (See figure #2).

### HEADER INSTALLATION

7. Position header and partly screw in a #10x2" stainless steel phillips head screw on the hinge side to hold the header in place. Now close the door and position the header to provide an even 1/8" clearance across the top of the door, then install the rest of the screws.
8. On latch side measure from bottom of threshold and cut Z-Bar to fit opening (ALWAYS CUT Z-BAR FROM THE BOTTOM)

### INSTALLING WITH 4 WAY DEAD BOLT OR EUROPEAN SLIM LINE LOCKS

9. With door in open position, place lock side Z-Bar tight against door. Engage the dead bolt into the steel dust box attached to Z-Bar. Swing the door to the closed position until the dust box rests against face of wood jamb.
10. Using pencil or scribe, trace dust box on face of wood jamb for cut out lines of dust box.
11. Swing door to open position and block. Using ¾" chisle, cut out door jamb where you have scribed for steel dust box to rest.

**NOTE:** WHEN PERFORMING CUT OUT, DO NOT CUT BACK TOO DEEP, OR THE Z-BAR FACE WILL NOT COVER THE CUT OUT SECTION.

### HOW TO MEASURE

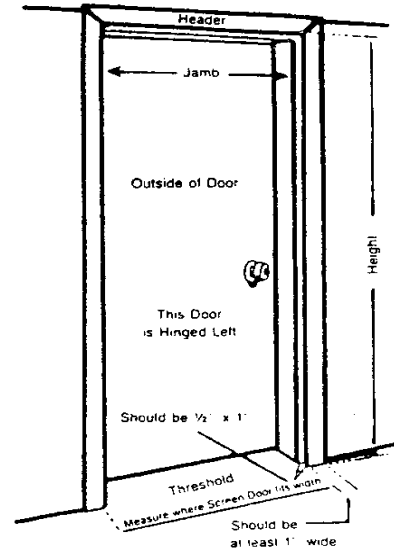


Figure 1

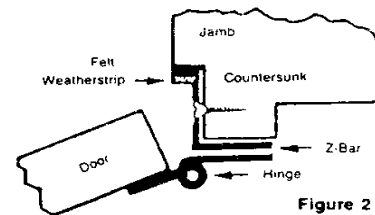


Figure 2

12. Again with lock side Z-Bar tight against door and deadbolt in locked position, (key on outside cylinder) close door and position Z-Bar tight against header.
13. Mount Z-Bar allowing 1/8" clearance between Z-Bar and the door. Mount with 10x2" stainless steel phillips head screws provided.
14. When lock side Z-Bar is mounted in position, drill a 5/32" hole on inside surface of Z-Bar approximately 2" above the steel dust box and another approximately 2" below the steel dust box. Next, countersink both holes and screw a #10x1 1/4" countersunk wood screw.

15. VAULT PINS — Vault pin holes are located on 1" side of door at the top and bottom hinges. Use pilot hole in Z-Bar to drill 3/16" pilot hole into jamb, approximately 3/4" deep. Screw vault pins down into jamb until approximately 1/2" of pin is showing or until all of thread is recessed. (See Figure #3).

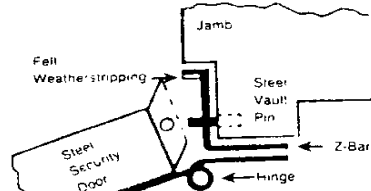


Figure 3

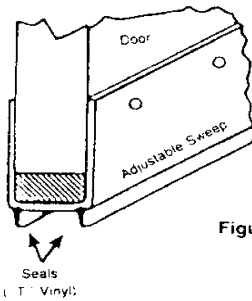


Figure 4

16. ADJUSTABLE SWEEP - Located at bottom of door is an adjustable sweep to allow for a complete seal. From inside the home swing door to a closed position and adjust sweep height down until "T" vinyl weatherstripping touches the threshold evenly across the bottom. ("T" vinyl should barely brush along threshold when door is being opened or closed.) When desired adjustment is complete drill 2-5/32" holes through sweep and into steel frame of door approximately 1" in from each side of door. Secure into place with #10x1" phillips head screws provided. (See Figure #4).

**NOTE:** If later adjustment is needed, remove screws and repeat step #17.

18. CLOSER INSTALLTION - The pneumatic closer should always be mounted onto the closer attachment bar located between the bottom glass panel and the center glass panel. (See Figure #5). This will ensure proper weight distribution of door. Instructions are provided in closer box.
19. WIND CHAIN INSTALLATION - To be installed at top of door. Instructions are provided in wind chain package.

### SCREW BAG CONTENTS

Qty.	Size	Type	Finish	Usage
9	10x2	one-way	stainless	Hinges
10	10x2	phillips	stainless	outside surface of z bar
18	10x1	phillips	oxide	sweep, glass clips
8	10x1 1/4	countersunk	zinc	hinge backing holes, dust box reinforcement
2	14x1 1/2	slotted	zinc	vault pins

\* Some screws may come mill finish for light colored doors.

**NOTE:** All screws to be used for the installation of both the closer and the wind chain are provided in each package by the manufacturer.

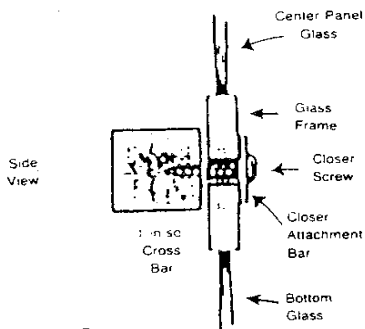


Figure 5