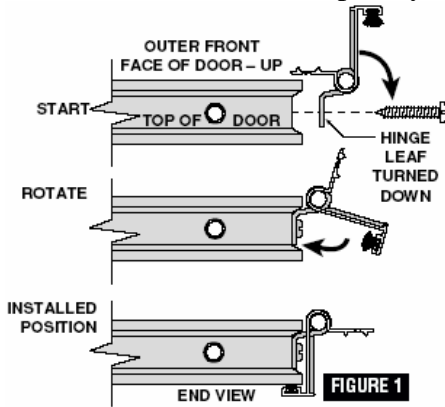


WOOD CORE HINGE Z-BAR REPLACEMENT INSTRUCTIONS

For 1" thick Wood Core Doors

Installation of new Hinge Z-Bar requires the door to be removed from the opening. The door is heavy and requires two people to remove and install.

Read the instructions completely before starting. Depending on door thickness, instructions may be on the back side.



1. Remove the existing Z-Bar.

- Detach the closer(s) from the door by removing the long closer pin and release the safety chain from the door bracket (if included).
- Open the door and remove the unpainted flat head screws (figure 4) on the inside of the Z-Bar (figure 5).
- On the outside carefully remove the screw cover strips (if included). Remove the painted pan screws (figure 3) holding the Z-Bar in place.
- Lay the door down with the outer front face of the door facing up.
- Remove the hinge Z-Bar from the door by removing the unpainted pan head screws (figure 1).

2. Install the new Hinge Side Z-Bar

- Place the **new** Hinge Z-Bar on the door with the *same* orientation as your previous installation.
- Position the top end of Z-Bar so that it overhangs the top of the door 1/16" to 1/8"**.
- Install a 1" unpainted pan head screw (figure 3) in the top hole of the top hinge. You may need to drill a 1/8" pilot hole. Repeat for the bottom hole of the bottom hinge.
- Align each hinge leaf along the edge of the door, drill 1/8" pilot holes as needed and complete attachment using remaining unpainted pan head screws. (figure 3)**. Hinge leaves must swing freely after the Zbar is attached to the door.

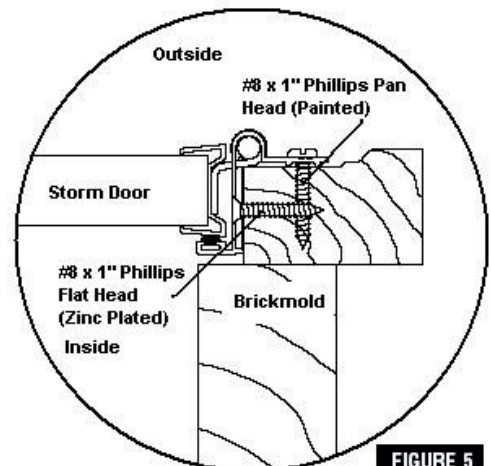
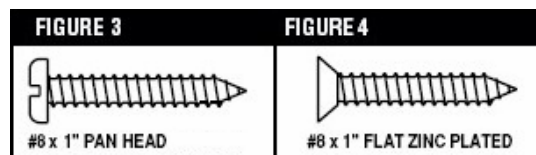
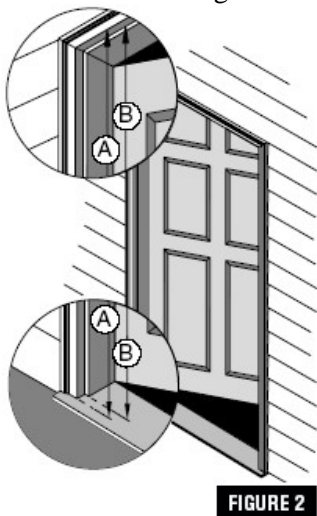
**Existing hinge holes in the door may not line up with new hinge. Fill any unused holes with a sealant or extra screws.

3. Cut Hinge Z-Bar

- Use the old Hinge Z-Bar measurements **OR** Measure the door opening height as shown in figure 2 subtracting 1/16" from the height. Transfer measurement to new zbar.
- If your sill is angled, mark the angle on the bottom of the Z-Bar.
- Cut the Hinge Z-Bar **at the bottom**.

4. Secure Door to Opening

- Place the door back into the entryway and slide tight against the brickmold or mounting surface (see figure 5).
- On the outside face of the Z-Bar, install one 1" pan head painted screw (figure 3) at the top and one at the bottom.
- Open the door and install the 1" flat head screws (Figure 4). Install the remaining painted pan head screws (Figure 3) on the outside of the hinge-side Z-Bar (figure 5).



EXTRUDED HINGE Z-BAR REPLACEMENT INSTRUCTIONS

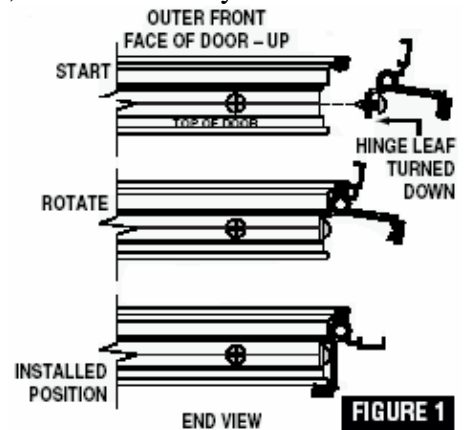
For doors 1 1/4", 1 3/8", 1 1/2", 1 5/8" and 1 7/8" thick doors

Installation of new Hinge Z-Bar requires the door to be removed from the opening. The door is heavy and requires two people to remove and install.

Read the instructions completely before starting. Depending on door thickness, instructions may be on the back side.

1. Remove the existing Z-Bar.

- Detach the closer(s) from the door by removing the long closer pin and release the safety chain from the door bracket (if included).
- Open the door and remove the unpainted flat head screws (figure 4) on the inside of the Z-Bar (figure 6).
- On the outside carefully remove the screw cover strips (if included). Remove the painted pan screws (figure 5) holding the Z-Bar in place.
- Remove the hinge Z-Bar from the door by removing the unpainted 1/2" screws (figure 1).



NOTE: Profile of door may differ

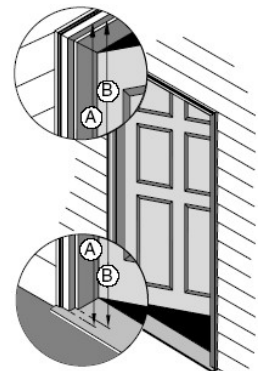
2. Install the new Hinge Side Z-Bar

- Place the **new** hinge side Z-Bar on the door with the *same* orientation as your previous installation.
- Position the top end of Z-Bar so that it overhangs the top of the door 1/16" to 1/8"**. For 346 series door, it needs to measure 1/4" above the top of the door.
- Install an unpainted 1/2" screw (figure 5) in the top hole of the top hinge. You may need to drill a 1/8" pilot hole. Repeat for the bottom hole of the bottom hinge.
- Align each hinge leaf along the edge of the door, drill 1/8" pilot holes as needed and complete attachment remaining 1/2" screw (figure 5) **. Hinge leaves must swing freely after the Zbar is attached to the door.

**Existing hinge holes in the door may not line up with new hinge. You can fill in any unused holes with a screw

3. Cut Hinge Z-Bar

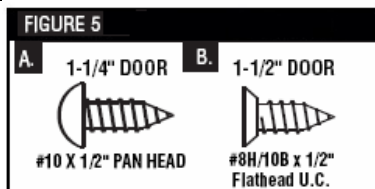
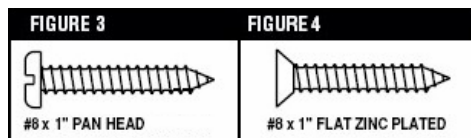
- Use the old Hinge Z-Bar measurements **OR** measure the door opening height as shown in figure 2 subtracting 1/16" from the height. Transfer measurement to new zbar.
- If your sill is angled, mark the angle on the bottom of the Z-Bar.
- Cut the Hinge Z-Bar **at the bottom**.



4. Secure Door to Opening

- Place the door back into the entryway and slide tight against the brickmold or mounting surface (figure 6).
- On the outside face of the Z-Bar, install a 1" pan head painted screw (figure 3) at the top and one at the bottom (figure 6).
- Open the door and install the 1" flat head screws (figure 4). Install the remaining 1" pan head screws (figure 3) on the outside of the hinge-side Z-Bar (figure 6).

Be Sure not to over tighten the screws or crush down the Z-bar.



Type of 1/2" varies with model. Check original screws first

