

FIGURE 1

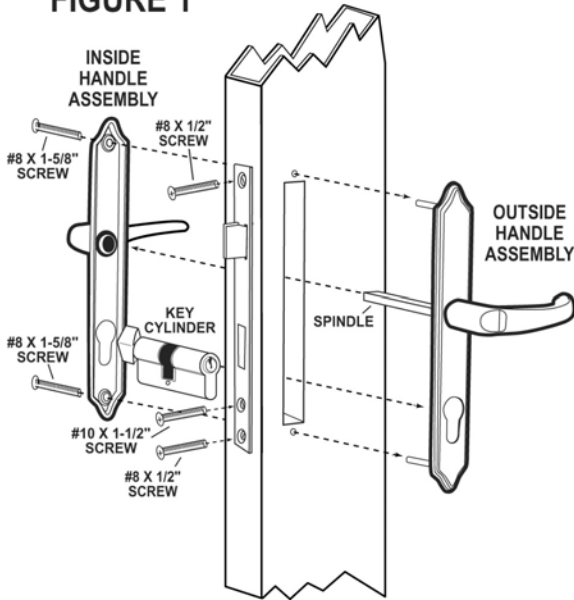
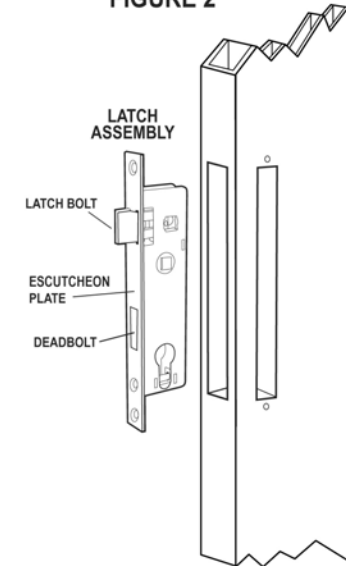


FIGURE 2



IMPORTANT: PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING INSTALLATION.

Tools needed: #2 Phillips screw driver, pencil, power drill with 1/8" drill bit.

Parts List:

- Outside Handle Assembly
- Inside Handle Assembly
- Spindle
- #8 x 1-5/8" screws, 2 each
- #8 x 1/2" screws, 2 each
- #10 x 1 1/2" screw, 1 each
- Key cylinder
- Escutcheon plate
- Latch assembly
- Strike plate
- #8 x 1" countersunk wood screws, 5 each

Step 1: Latch Assembly Installation Instructions

- A. Position the latch bolt according to the door's hinged side. If necessary, follow separate "Instructions for Latch Reversion" found in box.
- B. Lift up insulating foam (if your door has it), then insert Latch Assembly into edge of door panel. Do NOT fasten at this time. Fastening will be completed in step 2F. See Figure 2.

Step 2: Handle Assembly Installation Instructions

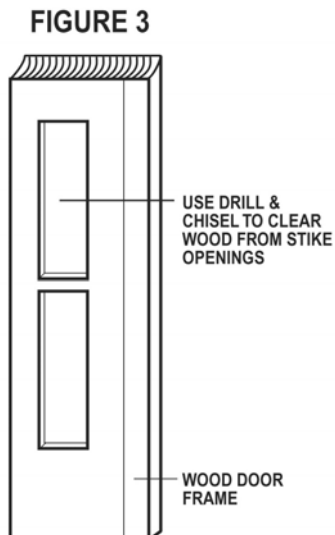
- A. Take the Outside Handle Assembly (note that the Outside Handle Assembly does NOT have holes in the trim plate for screw heads) and insert Spindle until fully seated. You may have to loosen the set screw slightly in order to insert the Spindle. Once Spindle is fully inserted, tighten set screw on underside of Outside Handle with enclosed Allen wrench.
- B. From outside of door, insert Outside Handle Assembly and Spindle through the square hole in the Latch Assembly, making sure that lever handle is facing in correct direction.
- C. On inside of door, position Inside Handle Assembly over Spindle, making sure that inside lever is facing in correct direction. Holding all pieces snugly together, complete Step D before tightening the Inside Handle set screw.

Charleston Installation Instructions

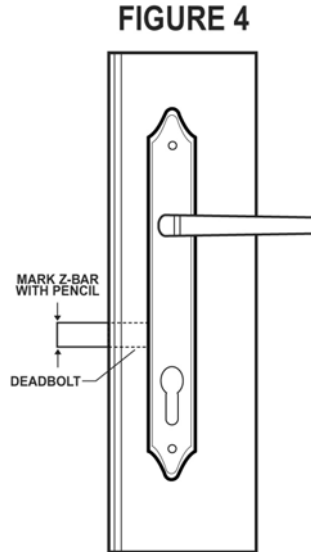
- D. From inside of door, insert Key cylinder through opening in Inside Trim Plate, aligning screw hole in Key cylinder with hole in Escutcheon plate. (Note: the thumb turn goes on inside of door). Insert the #10 x 1 1/2" screw through Escutcheon plate and Key cylinder. Prior to tightening screw, rotate thumb turn to extend deadbolt.
- E. Holding Inside and Outside Handle Assemblies snugly together, now tighten set screw on underside of Inside Handle with enclosed Allen wrench.
- F. To secure Latch Assembly, drill 1/8" pilot holes where top and bottom screws should insert through Escutcheon plate, then install two #8 x 1/2" screws with #2 Philips screw driver, securing Latch Assembly.
- G. Insert two #8 x 1-5/8" screws through top and bottom of Inside Handle Assembly trim plate and tighten using #2 Philips screw driver.
- H. Check handles for free movement. If binding is experienced, try the following: Loosen the two #8 x 1-5/8" screws on the Inside Handle Assembly, and retighten, taking care to tighten evenly. If this doesn't work, try loosening and retightening the set screws on the Inside Handle and/or Outside Handle Assemblies.

Step 3: Strike Installation

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



- B. With door open, extend the deadbolt fully. Carefully close door until dead bolt touches Z-bar. With a pencil, mark the location of the top and bottom of the bolt on the Z-bar. Return the deadbolt to the fully retracted position. See Figure 4.



- 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.
- D. Position the strike horizontally by aligning the outside edge of the top slot in the strike plate with the outside edge of the top slot in the Z-bar.
- E. Mark the five screw locations for the strike. Pre-drill with 1/8" bit and secure the strike with #8 x 1" countersunk wood screws provided.

WARNING: DO NOT USE POWER SCREW DRIVERS TO TIGHTEN SCREWS. WARRANTY WILL BE VOIDED IF OVERTIGHTENING, STRIPPED THREADS, OR BROKEN SCREWS RESULT FROM THE USE OF POWER SCREW DRIVERS.

Reversion Instructions

Determine the direction of door swing. Place the latch assembly in position in the door frame with the deadbolt positioned toward the bottom of the door and the latch bolt positioned toward the bottom of the door (see Figure 2 from the instructions page). The latch bolt should now form a 45 degree angle to the door frame when the door is being closed. If not, you will need to follow the Reversion Instructions below:

Step 1: Push the latch bolt all the way into the latch assembly until it is flush with the escutcheon plate. Next, remove the Philips head set screw as shown in Step 1 of the diagram below.

Step 2: Remove the latch bolt and reverse it 180 degrees as shown in Step 2 of the diagram below.

Step 3: Re-insert the latch bolt back into the latch assembly until it is again flush with the escutcheon plate.

Step 4: Tighten the set screw as shown in Step 4 of the diagram below, and then continue to install the latch assembly into the door, as directed in Step 1 of the Installation Instructions.

