

INSTALLATION INSTRUCTIONS

STEP 1 LATCH ASSEMBLY

- A. From outside of door, determine if your door is a right hinged or a left hinged door. See Fig. 1-A.

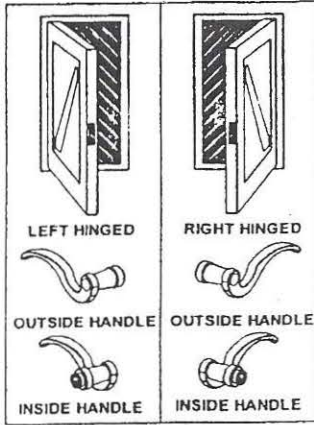
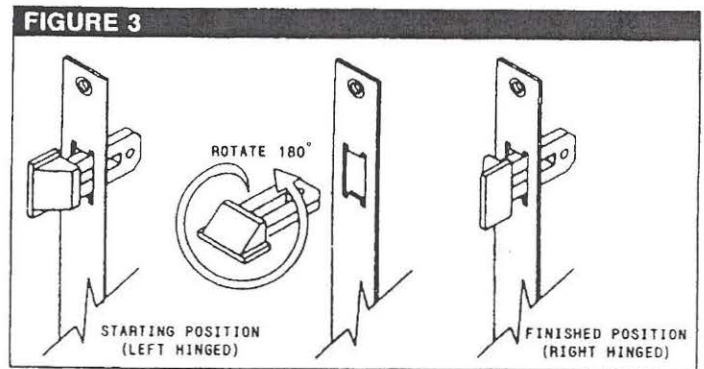
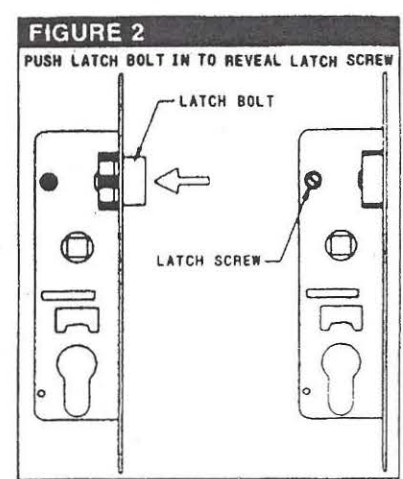
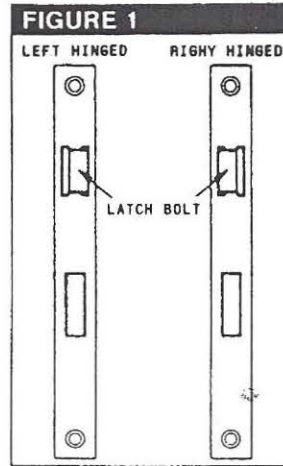
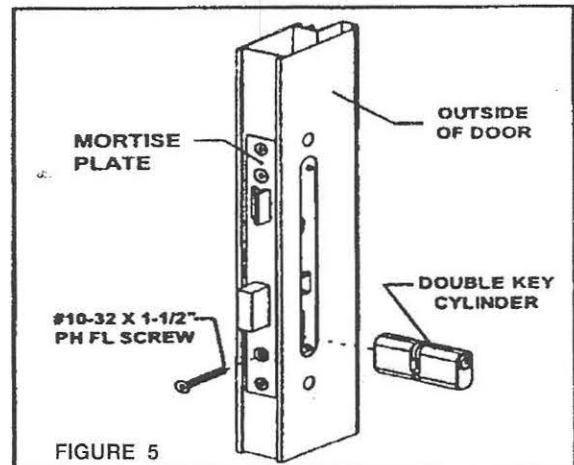
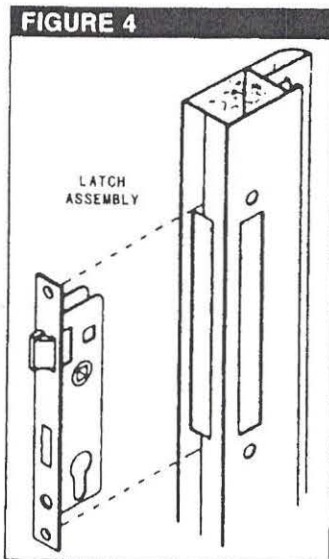


FIGURE 1-A

- B. Determine if angled part of the "latch bolt" faces the correct direction for either left or right hinged door (see Figure #1). If latch bolt needs to be rotated, see Figure 2 & 3. If latch bolt is in correct position, go to step D.
- C. To reverse the direction of the latch bolt, push in the latch bolt and remove the latch screw at the same time (see Figure #2). Then remove latch bolt, rotate to correct position and reinsert (see Figure #3). Replace latch screw.
- D. Insert latch assembly into end of door panel per Figure #4. Do **NOT** fasten at this time. Will be fastened at step 2-E.



- E. Insert double key cylinder through the latch assembly, aligning the screw hole in the key cylinder with the hole in the mortise plate. Insert the #10-32 x 1-1/2" flat head screw into the mortise plate and key cylinder. Prior to tightening the screw, turn the key cylinder to extend the deadbolt. See Figure 5. Return the deadbolt to the fully retracted position after tightening the screw.



Step 2. Handle and Escutcheon Plate Assembly

- A. To simplify installation, the handles are pre-attached to escutcheon plates. (*outside and inside trim plates*).

All handle sets are pre-assembled for a hinged right door (as shown in Figure 6).

To change curved handles for a hinged left door, take a slot head screw driver and remove the round head brass screw, which holds the handle and shoulder together and simply **flip the handle over**. Then re-attach with screw. The arrows in Figure 6 show how to get to the screw slot.

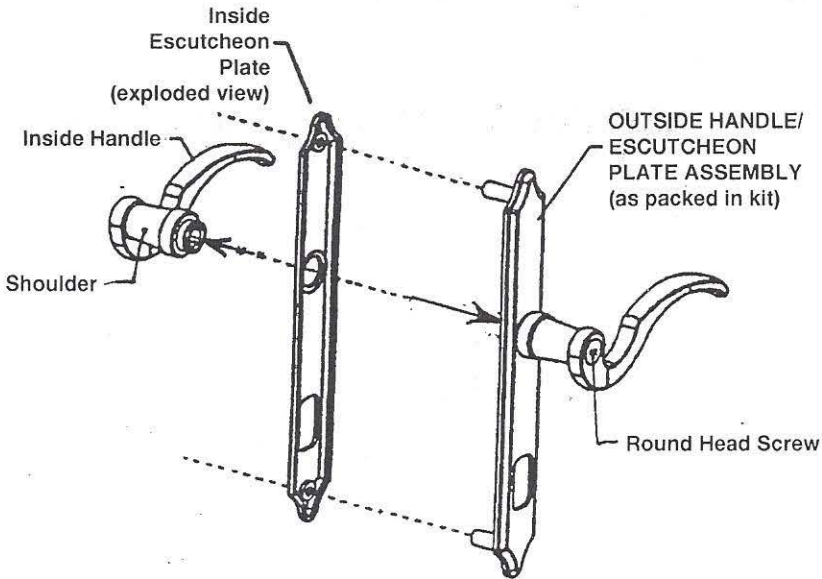


FIGURE 6

- B. Insert the square spindle into the handle. Using a small screwdriver, tighten the set screw on the underside of the handle to hold the spindle in place.
- C. From the outside of the door, insert the outside plate/handle/spindle assembly through the square hole in the latch assembly, making sure that the lever is facing in the correct direction. See Figure 7.
- D. On the inside of the door, position the inside handle and escutcheon plate and over the spindle, making sure that the inside lever is facing in the correct direction. If needed, loosen the set screw. Hold the handles snugly against the plates and install the #8-32 x 1-1/8" pan head screws through the top and bottom holes on the inside escutcheon plate, screwing into the bosses on the outside plate. Tighten set screw on the inside handle. See Figure 7.
- E. Drill 1/16" pilot holes and install (2) 8 x 1/2" flat head screws in the edge of the door securing latch assembly.

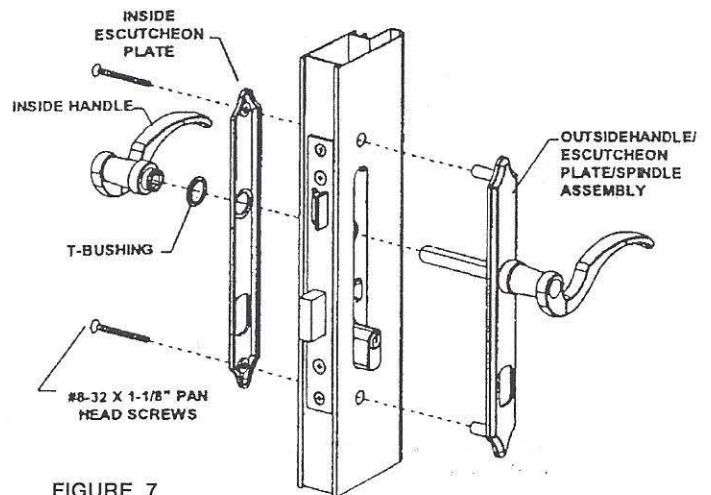






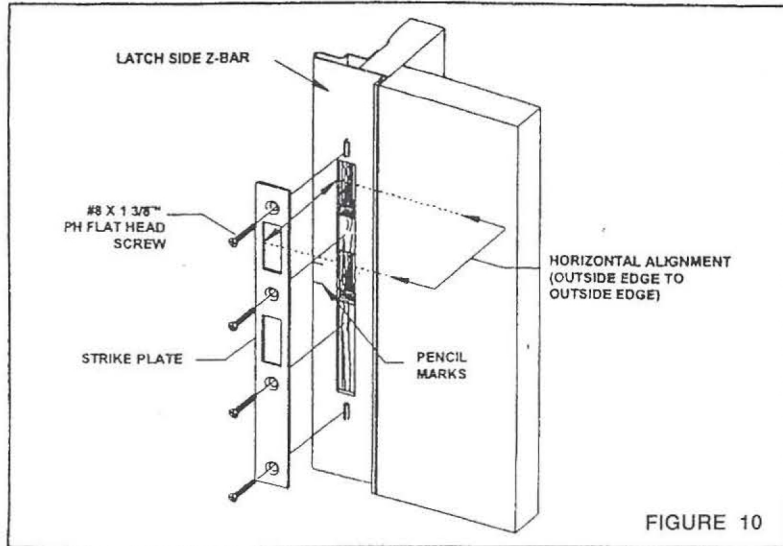
FIGURE 7

<p>#10—32X1—1/2"PH FL(1)</p>  <p>Cylinder Screw</p>	<p>#8X1/2" PH FL(2)</p>  <p>Edge Plate Screws</p>	<p>#8—32X1—1/2" PH OH (2)</p>  <p>Trim Plate Screws</p>	<p>#8X1—3/8" PH FL(4)</p>  <p>Striker Screws</p>
---	--	---	---

SPINDLE (1)

Step 3. Strike Installation

- 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. 8.
- B. Carefully close door until live bolt contacts the z-bar. With a pencil, mark the location of the top and bottom of the live bolt onto the z-bar. See Fig. 9.



- C. Position the strike plate on the latch side z-bar. Align the strike vertically by centering the top hole in the strike plate with the marks previously made on the z-bar. See Figures 9 and 10.
- 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 centers of the four strike holes. See Figure 10.
- E. Remove the strike and drill the marked holes with a 1/8" drill bit. Reposition the strike and insert #8 x 1 3/8" flat head screws into the mounting holes and tighten. Close the door and check for proper operation of latch and dead bolt.

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

