Installation Instructions for 72KC–75KC Cylindrical Locks

For factory prepared doors only

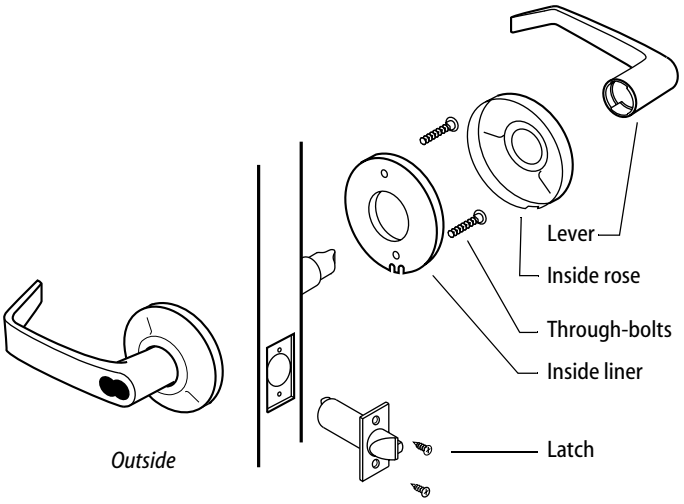


Figure 1 — Overview of installing the lock

Caution: **If you use hollow metal doors, determine whether the doors are reinforced enough to support the lock. If door reinforcement is not adequate, consult the door manufacturer for information on proper reinforcement.**

Simplified instructions

1 Install the latch so that the bevel on the latchbolt faces the strike.
2 Adjust the outside rose assembly so that the chassis is centered in the door. Install the chassis from the outside of the door.
3 Install the inside liner, through-bolts, rose, lever and strike.

For field door preparation and detailed installation instructions, see the following tasks.

1 Position template

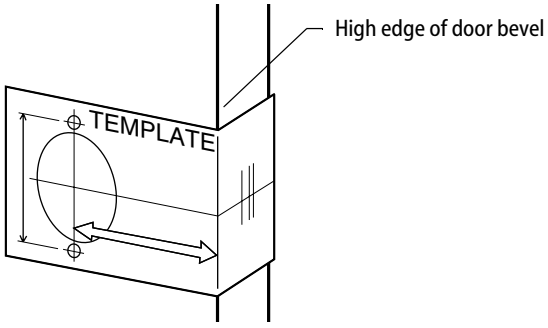


Figure 2 — Placing the template onto the door

1 Fold the template and place it in position on the high edge of the door bevel. See Figure 2.
2 Mark the drill points.

Note: *The suggested height from the floor to centerline of the lock is 40 5/16". If steel frames are used, the latch centerline must be in line with the center of the strike preparation.*

2 Bore two holes and install latch

1 Bore a 2 1/8" diameter hole from both sides of the door, to the center of the door.
2 Drill a 1" diameter hole from the edge of the door that intersects the 2 1/8" hole.
3 Mortise the door edge for the latch face.
4 Install the latch through the 1″ diameter hole. For drive-in latches, use a rubber mallet. Latch tabs should project into the 2 1/8" diameter hole. See figure 3 in task 3.
5 Check the door swing.

3 Install boring jig and drill two 5/16″ diameter holes

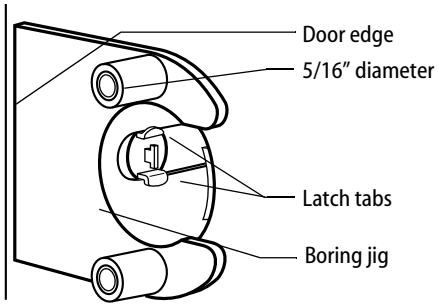


Figure 3 — Installing the boring jig onto the door

1 Install the boring jig onto the door and engage with the latch tabs. Make sure the front edge of the jig is parallel with the door edge. See Figure 3.
2 Drill two 5/16" diameter holes halfway into the door.
3 Turn the boring jig over and repeat steps one and two from the opposite side of the door.

Note: *Replace the boring jig after ten door preparations.*

4 Adjust lock to door thickness

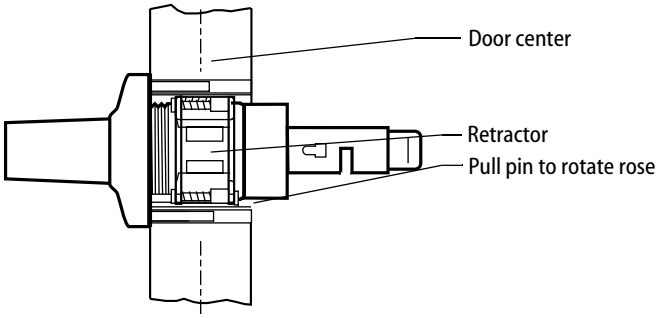


Figure 4 — Adjusting the lock to match the door thickness

1 Temporarily remove the latch.

—Continued

2 Retract the rose locking pin and rotate the outside rose liner in or out for the proper door thickness by lining up the "DOOR CENTER" mark with the center of the latch hole.
3 Reinstall the latch.

Note 1: *Make sure the locking pin locks into the rose liner.*

Note 2: *Locksets will fit 1 3/8" to 2" thick doors.*

5 Engage retractor in latch

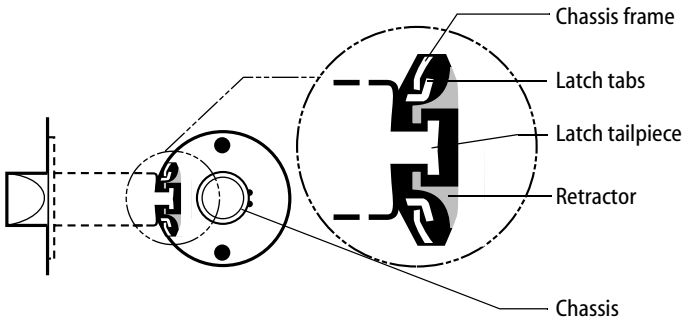


Figure 5 — Engaging the latch in the retractor

■ With the latch in place, install the chassis from the outside. Make sure the latch tabs engage the chassis frame and the latch tailpiece engages the retractor. See Figure 5.

6 Install liner, rose, and lever

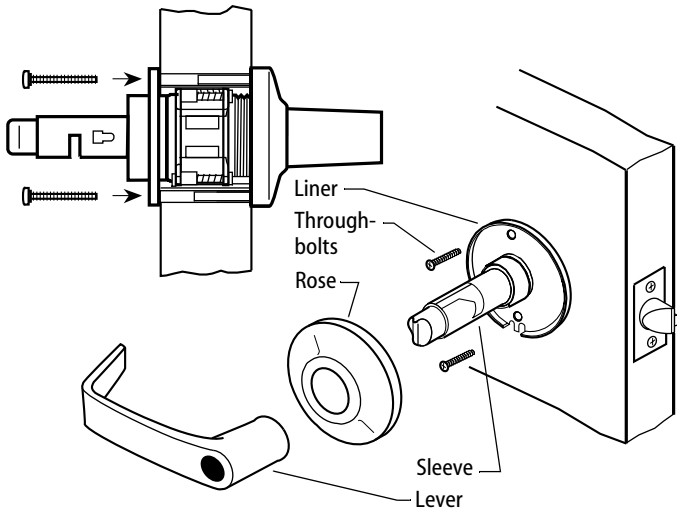


Figure 6 — Installing the inside liner, rose, and lever

1 Align the holes in the liner with the holes prepared in the door.
2 Install through-bolts through the liner and the door in the top and bottom holes. See Figure 6.
3 Tighten the liner onto the door with the through-bolts.
4 Slide the rose over the sleeve, then press the rose onto the liner. The rose should fit closely to the door surface.
5 With the lever pointing toward the hinges, push the lever on firmly until seated.

7 Install strike plate

1 In alignment with the center of the latchbolt, mortise the door jamb to fit the strike box and strike plate.

Caution: **The deadlocking plunger of the latchbolt must not enter the strike plate opening. The plunger deadlocks the latchbolt and prevents forcing the latch when the door is closed. A gap of more than 1/8" may reduce security and/or cause improper operation of the latchbolt.**

2 Insert the strike box and secure the strike with the screws provided. See Figure 7.

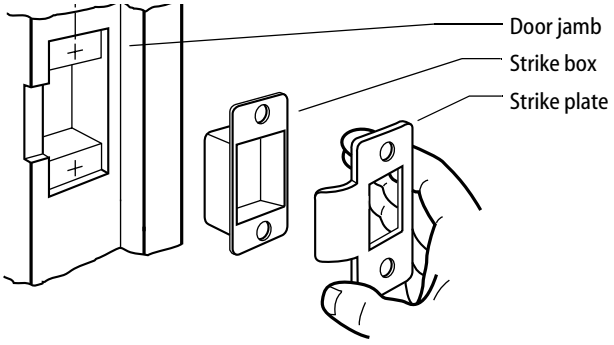


Figure 7 — Installing the strike box and strike plate

8 Install core

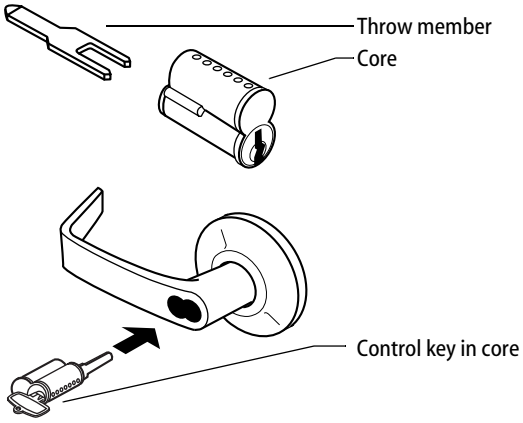


Figure 8 — Installing the core

1 **For R function locks**, insert a screwdriver into the figure-8 opening and turn the locking mechanism counterclockwise as far as it will go.

For all other function locks, go to step 2.

2 Insert the throw member into the core (see Figure 8 — top).
3 Put the control key into the core and turn the key 15 degrees clockwise.
4 Put the core and throw member into the lever with the control key (see Figure 8—bottom).
5 Turn the key 15 degrees counterclockwise and remove the key.

Caution: **Since the control key is a high-security key, make sure to keep it protected.**