Instructions For Installing Cylindrical Lever Lockset

NOTE: Accurate door preparation is essential for proper functioning of this lock. Follow template and instructions carefully.

THRU-BOLTS ARE PROVIDED AND RECOMMENDED FOR USE ESPECIALLY ON HIGH TRAFFIC DOORS. THERE ARE THREE THRU-BOLT LOCATION OPTIONS

The lever anti-sagging mechanism within the lock chassis has a patent in the U.S. and other countries.

1. Mark door
A. Check lock for proper backset and thru-bolt locations before marking door.
B. Detach "Door edge" Template from main template Card
C. Fold main template on the desired line (Low, Mid, or High bevel line).
D. Position template at the desired height from floor (Recommended height from floor is 34" (870mm)).
E. Mark center for 2 1/8" (54mm) hole.
F. Mark centers for (2) 1/4" (6mm) holes if thru-bolt are being used.
G. Use "Door Edge" Template to mark 7/8" or 1" hole for latch bolt.

2. Drill holes
A. Drill a 2 1/8" (54mm) hole through door (from both sides to avoid damaging door)
B. Drill (2) 1/4" (6mm) holes for thru-bolt if used
C. Drill a 1" (25mm) or 1 1/4" (22mm) (depending on latch housing diameter) in door edge

3. Install latch
A. Insert latch into hole. Trace around faceplate
B. Chisel out wood until faceplate fits flat with door edge
C. Drill (2) 1/4" (6mm) holes and secure latch unit with combo-screws supplied
D. Fasten latch to door so that beveled side of latch plate faces jamb

4. Install strike
A. Mark vertical line and heightline on jamb exactly opposite center of latch hole.
B. Drill (2) 1" (25mm) holes, 3/4" (19mm) deep, 1/2" (13mm) above and below heightline.
C. Use strike plate as pattern for outline. Clean out hole and install strike.

5. Disassemble inside trim
A. Mark vertical line and heightline on jamb exactly opposite center of latch hole.
B. Drill (2) 7/8" (22mm) hole, 1 1/8" (28mm) deep. 3/4" (19mm) above and below heightline.
C. Use strike plate as pattern for outline. Clean out hole and install strike.

Lock Installation

Must use M8 x 8.5mm screws if not using thru-bolts.
Must use #10-32 x 1" screws if using thru-bolts.

A. Remove inside lever.
B. Remove inside rose assembly.
C. Remove mounting plate.
D. Remove thru-bolts if desired (not recommended).
6. Adjust for door thickness

- Lockset is factory preset for 1\(\frac{1}{4}\)" (45mm) doors.

A. Lock can be adjusted for door thickness range for 10" to 1\(\frac{1}{4}\)"
B. Rotate outside rose assembly until correct door thickness mark is aligned with the outside rose plate.

7. Install lock unit

- Important: This lock is factory preset for 1\(\frac{1}{4}\)" (45mm) doors.
- See Step 6 to center chassis in door or to change adjustment for other door thicknesses

8. Install mounting plate.

- CAUTION: When using a power screwdriver for installation, set to minimum torque setting.

- (2) #10-32 x 1\(\frac{1}{8}\)" screws
- NOTE 1: (2) #10 - 32 x 1\(\frac{1}{8}\)" screws
- NOTE 2: (2) M6 x 6.0mm screws

9. Install inside rose assembly

10. Install inside lever

- A. Align dimples on rose with grooves in inside rose assembly.
- B. Place rose against door and rotate clockwise until dimples snap into slots next to the grooves.

11. Remove outside lever

- A. Slide inside lever onto spindle.
- B. Push lever completely into place. (Pull lever to make sure that catch is fully engaged.)
- C. Test operation of lock to make sure you have followed instructions correctly.

12. Reassemble outside lever

- A. Insert key into cylinder. Insert push pin (or similar tool) into hole in lever. Turn key one-quarter turn and push tool (push pin) to depress lever catch. Slide the lever from spindle.
- B. Release and remove key.

CAUTION FOR CLASSROOM FUNCTION

- Screwdriver or similar tool

IMPORTANT: Turn cam anti-clockwise as far as it will go before installing outside lever and cylinder.