INSTRUCTIONS FOR INSTALLATION OF ENTRANCE LOCKS IN NEW DOORS OR THE REPLACEMENT OF EXISTING LOCKS

FOR USE ON DOORS 1-3/8" TO 1-3/4" (35mm -- 45mm) THICK

TOOLS REQUIRED FOR NEW INSTALLATION
1 phillips head screwdriver
1 2-1/8" (54mm) hole saw
1 1" (25.4mm) drill bit
1 chisel

FOLLOW ALL STEPS FOR REPLACEMENT OR NEW CONSTRUCTION.

FOLLOW STEPS 3C, 4C, 5, 6, 7, 8, 9 and 10 FOR DO-IT-YOURSELF REPLACEMENT AFTER REMOVAL OF EXISTING LOCK.

REPLACING EXISTING LOCKS:
Before beginning, measure from centre of lock to door edge in order to check length of backset on existing lock.
The backset length of new lock is stated clearly on front of package. If backset sizes are the same, continue; otherwise, you'll have to replace lock with proper size backset. Some models are supplied with adjustable latch which can fit 2-3/8" (60mm) or 2-3/4" (70mm) backset. The adjustable latch is preset to 2-3/8" (60mm) at factory. If 2-3/4" (70mm) is required, please follow the steps shown below.

ADJUSTMENT OF BACKSET FROM 2-3/8" TO 2-3/4"

LATCHBOLT
CONNECTING PIN
CONNECTING PIN
- Press down latchbolt
- Pull out connecting pin
NOTE: No need to use connecting pin for 2-3/8" (70mm) backset.

U.S. PATENT NO 4652787

INSTALLATION INSTRUCTIONS

1. MARK DOOR

MARK FOR 1" (25.4mm) HOLE IN
DOOR EDGE

MARK FOR 2-1/8" (54mm) HOLE
ON DOOR FACE

NOTE: Backset on door face must be same as backset of lock.

2. DRILL HOLES

Start approximately 35° (914mm) from floor. Fold and apply template to edge of doored mark centre of door edge as indicated on template. Mark centre hole on door face through guide on template.

Drill 2-1/8" (54mm) hole through door face as marked for lockset. It is recommended that holes be drilled from both sides to prevent splitting. Drill 1" (25.4mm) hole in centre of door edge for latch.

3. INSTALL LATCH

A. Insert latch in hole keeping it parallel to faceted door. Mark outline and remove latch.

B. Chisel 1/8" (3mm) deep or until latch face is flush with door edge.

C. Insert latch and tighten screws. (NOTE: Latchbolt bevel must face to closing direction.)
5. REMOVE INSIDE TRIM

- Use nail end of wrench provided to depress inside knob catch in hole of inside sleeve collar and slide knob or in side lever off spindle.

- Depress spring attached to inside rose. Insert nail end of wrench into slot to remove inside roseplate.

- Remove inside rose and mounting plate.

6. ADJUST OUTSIDE ROSE

- Adjust lock to fit door thickness by rotating outside rose.
- Lock will fit all doors 1-3/8” to 1-3/4” (35mm – 43mm) thick.

7. INSTALL LOCK

- Latch unit must be in place before installing lock. Be sure lock housing engages with latchprongs and retractor interlocks with latch tail.

8. INSTALL INSIDE ROSE

- Tighten machine screws securely to install mounting plate. Press rose onto mounting plate. Be sure to fit rose in recess of mounting plate.

9. INSTALLATION OF INSIDE KNOB OR INSIDE LEVER

- To install inside lever, press down the lever catch in the hole with wrench and push inside lever all the way in until catch clicks into catch hole.

- IMPORTANT:
  - Align lug on knob with narrow slot on side of spindle and push knob all the way in until knob catch clicks into slot on knob.
  - Otherwise knob will jam on shaft.

10. RIGHT KEY HOLE POSITION

- Upon installation of the lock, it may happen that keyhole faces upward or downward as shown in the following drawing. It is advisable to correct all keyholes to be facing downward.

- DOWNWARD CORRECT
- UPWARD INCORRECT

11. IN ORDER TO ADJUST THE ABNORMAL STATE OF THE KEY HOLE FACING UPWARD, THE KNOB MUST BE PULLED OUT AND INSTALLED AGAIN. THE METHOD OF INSTALLATION IS DESCRIBED AS BELOW D.

- a) First turn knob clockwise until the knob catch appears in the small hole.
- b) With the other hand, turn the key counter clockwise within the limit of 30° – 90°
- c) Using a small nail to press the knob catch and pull the knob out.
- d) Install again according to the correct direction.

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