

INSTRUCTIONS FOR INSTALLING CONVERTIBLE THRU-BOLT LEVER HANDLE SET

✦ THRU-BOLTS ARE PROVIDED AND RECOMMENDED FOR USE ON HIGH FREQUENCY DOORS.

Must use #10-32UNF x 9/32" if thru bolts not installed. Must use #10-32UNF x 1 1/8" (packed with convertible thru bolt) in installing convertible thru bolt.

6. SCREWS
#10-32 UNF x 9/32" L
#10-32 UNF x 1 1/8" L

7. INSIDE ROSE ASS'Y

8. SCREW #10-32UNF x 1 1/8" L

9. INSIDE ROSE PLATE

10. LOCK BODY

11. OUTSIDE ROSE PLATE

12. OUTSIDE ADJUSTMENT FOR DOOR THICKNESS

13. OUTSIDE ROSE ASS'Y & ROSE

14. OUTSIDE LEVER

15. KEY

16. CYLINDER

17. COMBI-SCREW PHILLIPS FLAT HD

18. STRIKE

19. STRIKE BOX (OPTIONAL)

19. LEVER FILLER

4. INSIDE LEVER

5. ROSE COVER

2. SLEEVE FOR 2 1/4" BACKSET FOR 1" DIA HOLE

1. LATCH UNIT

3. COMBI-SCREW PHILLIPS FLAT HD

DOOR HANDING

INSIDE

LEFT HAND

RIGHT HAND

OUTSIDE

LEFT HAND REVERSE BEVEL

RIGHT HAND REVERSE BEVEL

DOOR HANDS DETERMINED FROM OUTSIDE

TOOLS REQUIRED

PUSH PIN (PROVIDED)

NO. 2 PHILLIPS SCREWDRIVER

1/8-INCH DRILL BIT

5/16-INCH DRILL BIT

| ROSE | SHAPE |
|----------|----------|
| | |
| STEPROSE | FLATROSE |

2

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19. LEVER FILLER

20. PUSH PIN (PROVIDED)

21. TUBE

22. LEVER CATCH

(Figure 3.)

A. DOOR PREPARATION

1. Check lock for proper backset and body outside stud bolt type before drilling.

2. Place paper template (supplied) on door and mark for holes. Drill the cross-bore hole, and then the latch hole.

NOTE
put in notches on 2 1/4" cross-bore hole for steel door (Refer to fig.2.)

1. LATCH UNIT

2. SLEEVE FOR 1" HOLE

3. SCREW

4. INSIDE LEVER

5. ROSE COVER

6. SCREWS

7. INSIDE ROSE ASS'Y

8. SCREW

9. INSIDE ROSE PLATE

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B-1. DISASSEMBLY OF LOCKSET UNIT (INSIDE)

1. To remove inside lever (4), insert push pin (provided) into hole on lever to depress the lever catch. Slide the lever from the tube. Remove rose cover (5) by slightly twisting counter-clockwise and pulling off.

2. Unscrew two #10-32UNF x 9/32" L (6) screws and remove inside rose ass'y (7).

3. Unscrew two #10-32UNF x 1 1/8" L (8) screws and remove inside rose plate (9).

B-2. INSTALL CONVERTIBLE THRU-BOLTS.

MAKE SURE INSTALL THRU-BOLTS BEFORE LOCK INSTALLATION.

1. Disassemble inside lever and rose ass'y, rose plate and outside rose ass'y and insert the convertible thru-bolts (provided 2pcs additionally) into the cavities for convertible thru-bolts in the outside rose ass'y.

2. Continue lock installation per instructions. Replace outside rose plate.

✦ THRU-BOLTS ARE PROVIDED AND RECOMMENDED FOR USE ON HIGH FREQUENCY DOOR'S

Not to Scale

The use of non-clutching impact drivers to install this hardware will automatically void the warranty.

3

C. LOCK BODY ALIGNMENT & CENTERING
The lock body must engage the latch unit (1) prongs as shown. The lock body retractor must engage the latch unit tail piece. Door must be opened when installing lockset with guarded latch unit.

NOTE:
Be sure latch unit tail piece is centered within lock body retractor. Adjust it if necessary by outside plate (11) as shown in fig 10 and fig 11.

10. LOCK BODY
LATCH UNIT 1. LATCH UNIT
LOCK BODY RETRACTOR ON CENTER LINE OF LATCH UNIT TAIL PIECE

(Figure 4.)

4

D. INSTALLATION OF LOCK UNIT

- With finger, depress the latch, extending the latch unit tail piece to aid in engaging the lock body retractor (see fig 4)
- Slide lock body into cross-bore hole from exterior of the door if necessary, move tail piece slightly to engage retractor as shown in fig. 4.

(Figure 5.)

5

E. SECURING THE LOCKSET UNIT TO DOOR.

- Place the tube (5) in the hole in the door with two #10-32UNF x 9/32-L screws (6).
- Put door in the closed position and secure the rose (5) with two #10-32UNF x 9/32-L screws (6).

THIS MUST BE DONE TO FIRMLY ANCHOR LOCK TO DOOR

(Figure 6.)

6

F. ATTACHING INSIDE ROSE ASS'Y

- Position the inside rose ass'y's screw holes vertically with wider notch at inside diameter in line with lever catch. Then slide onto tube and align rose screw holes with #10-32UNF x 9/32-L screw (6).
- Secure inside rose ass'y to inside rose plate with two #10-32UNF x 9/32-L screws (6).

(Figure 8.)

7

G. INSIDE LEVER INSTALLATION

- Place rose cover (5) onto inside rose ass'y aligning two lances with recesses in rose ass'y and turn clockwise to lock as firmly as possible.
- Slide inside lever (4) onto tube. Mask certain lever catch on tube is engaged with lever.

(Figure 9.)

8

H. TO REMOVE OUTSIDE LEVER & ROSE

- To remove outside lever (14) insert key (15) and turn 45° clockwise. Insert push pin into hole in lever to depress lever catch. Slide the lever (14) from tube.
- Remove outside rose ass'y & rose (13).

NOTE:
This step must be done if you have to make adjustments for door thickness (See note in fig. 4 & fig 11.)

(Figure 10.)

9

I. ADJUSTMENT FOR DOOR THICKNESS
It can be adjusted for door thickness range from 1 1/4" to 1 3/4". For adjustment of door thickness, follow step 8, then:

- Adjust outside adjustment nut for proper door thickness. At final position, the screw post holes must be in line with holes in lock body.
- Slide outside rose ass'y with rose cover (13) onto tube with the wider notch at inside diameter in line with lever catch. The screw posts will enter the holes pre-aligned between rose plate and lock body.
- Install outside lever by reversing procedure shown in fig. 10.

(Figure 11.)

OUTSIDE ADJUSTMENT NUT FOR DOOR THICKNESS

LEVER HANDLE SET IS PRESET FOR 1 3/4" DOOR AT FACTORY

10

J. INSTALLING STRIKE
When strike box (19) is not used, recess in door jamb must be deep enough to allow latch bolt to extend to its full free length.

(Figure 12.)

11

K. CYLINDER REMOVAL & REASSEMBLY

- Remove outside lever (14) and cylinder (16) as described in fig. 10.
- To reassemble, put a cylinder and key in lever. Push cylinder further in until it engages retractor. Turn key 90° clockwise and hold a key. Depress lever catch and push lever (Not key) in until it clicks then release a key.

(Figure 13.)

Not to Scale

The use of non-clutching impact drivers to install this hardware will automatically void the warranty.