CYLINDER REMOVAL AND REASSEMBLY

Insert must be installed so that lever engages driver.

When re-keying or installing lock, be sure to engage the plastic lever locking insert.

INTERCHANGEABLE CORE

HOW TO REMOVE CORE

Insert control key and turn 15 degrees to the right until action stops.
Pull on key to extract core.

HOW TO REPLACE CORE

With control key fully inserted, push core into lever as far as it will go.
Turn control key to the right and push core completely into lever.
Return control key to vertical and remove from core.

CORE TAIL PIECE AND TAIL PIECE COVER

APPLICATION

"A"

NOTE:
For function only use tail piece & tail piece cover.
pushing "A" point, spin tail piece cover on the right as above picture.

DISASSEMBLE INTERCHANGEABLE LEVER

The outside lever can be disassembled by pulling the outside lever with pushing the lever catch by driver through the hole on the outside lever.
INSTRUCTIONS FOR INSTALLING
HEAVY DUTY LEVER LOCK

1. MARK DOOR

- Mark height line on edge and face of door. Detach stub of template and mark center of door thickness on heightline. Fold template at proper marking for bevel of door (high or low bevel or flat). Position centerline of template on heightline. Hold in place and mark center point for 2½" hole. And then the 1" or 7/8" hole. Also mark for 5/16" holes for mounting screws.

2. BORE HOLES

- Bore a 2½" hole and 9/16" holes. Bore holes from both sides of door to avoid splintering wood.

NOTE: We recommend using a drill guide to ensure straight holes. Bore a 1" or 7/8" hole straight into door edge to intersect with center of 2½" hole. Use latchfront faceplate to pattern for cutout. Front should Fit flush with door edge. Install latch with screws provided.

(Wood door applications)
For proper alignment of lock chassis and lever, cut out notches for anchor plates from both sides of door on horizontal height line. Mortise for anchor plates on both sides of door (see template).

NOTE: Width of notches should not exceed 1/8" for snug fit of anchors.
3. DISASSEMBLE INSIDE TRIM

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

2. Unscrew two #10-32UNFx1\%₆"L ⑤ screw and remove rose insert ⑥.

4. INSTALL OUTSIDE UNIT

The lock body must engage the latch unit prongs as shown. The lock body retractor must engage the latch unit tail piece. Door must be open when installing lockset with guarded latch unit.

NOTE:
1. Be sure latch unit tail piece is centered about lock body retractor. Adjust if necessary by outside plate.
2. For lock with outside securing stud type, slide two outside securing stud into prepared holes on door.

CAUTION:
DO NOT ATTEMPT TO MOUNT LOCK UNIT WITH DOOR CLOSED.

5. ASSEMBLE INSIDE TRIM

NOTE:
USE WHITE LONGER SCREWS FOR DOOR THICKER THAN 1-5/8”.

1. Position the screw holes vertically with winder notch at inside diameter in line with lever catch. Then slide onto tube and align rose screw holes with #10-32UNFx1\%₆"L screw ⑤. (See note)

2. Place inside rose ④ onto inside rose insert ⑥ aligning two lances with recesses in rose insert ⑥ and turn clockwise to lock as firmly as possible

3. Slide inside lever ④ onto tube. Note certain lever catch on tube is engaged with lever.
6. INSTALL STRIKE

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

Deadlocking Plunger

Deadlocking plunger on latchbolt stops against strike, preventing forcing when door is closed.

7. ADJUST FOR DOOR THICKNESS

Disassemble the outside Lever (fig.2 or fig.3) and take off the outside Rose assembly.
Adjust the door thickness by turning the outside plate (10) with hand.

APPROXIMATELY 1-1/2 TURNS BACKWARD FROM MAXIMUM TURN STOPPING POINT FOR 1-3/8" THICK DOOR.

ADJUST TO 3/8" FOR 1-3/4" THICKNESS OF DOOR

8. REMOVE OUTSIDE LEVER

Keyed locks:
Insert key into cylinder and using pointed end of spanner wrench, or similar tool, place into hole in lever.
Turn key approximately 1/4 turn while exerting pressure on wrench until lever catch depresses. Pull off lever and driver.

Non-keyed locks:
Place pointed end of spanner wrench, or similar tool, into hole in lever. Push in to depress lever catch and remove lever and driver.
MARK CENTER OF DOOR THICKNESS

LATCH

INSTALLATION TEMPLATE

(\(\phi 8\))

5/16 "HOLE

2 3/4" BACKSET (70)

2 3/8" BACKSET (60)

1"

5/16 "HOLE

1 3/8" DIA
(\(\phi 54\))

(3.0)

1/8"

3 3/4"

70

2 3/4"

3 1/8" (35)