C800 Cylindrical Lever Set
Installation Instructions

dormakaba

Tools required
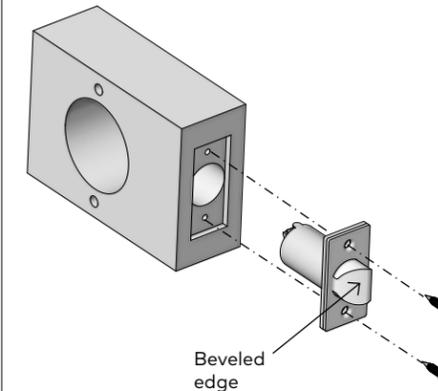
#2 Cross drive screwdriver

Flathead screwdriver

PART LIST
1- IC CORE
2- OUTSIDE IC LEVER
3- OUTSIDE ROSE
4- OUTSIDE ROSE INSERT
5- THRU BOLT RETAINER
6- CHASSIS
7- INSIDE ROSE
 MOUNTING PLATE
8- 10-32 X 1-1/2" SCREWS (X2)
9- INSIDE ROSE
10- LEVER INSERT
11- INSIDE LEVER
12- LATCH
13- 8-32 X 3/4" COMBO
 SCREWS (2)
14- OUTSIDE CONVENTIONAL
 CYLINDER LEVER
15- CONVENTIONAL CYLINDER

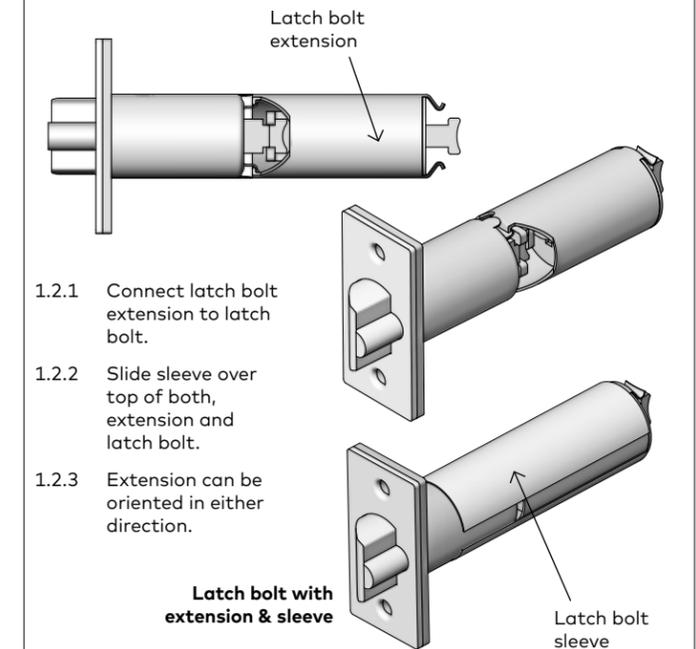## 1   Cylindrical lock installation

1.1   Install latch
Fig 1

1.1.1   Place latch into door edge.

⚠   Orient such that the beveled edge of latch faces door jamb.

1.1.2   Secure with two 8-32 x 3/4" combo screws.

Beveled edge

1.2   Optional extension instructions
Fig 2

Latch bolt extension

1.2.1   Connect latch bolt extension to latch bolt.

1.2.2   Slide sleeve over top of both, extension and latch bolt.

1.2.3   Extension can be oriented in either direction.

Latch bolt with extension & sleeve

Latch bolt sleeve

1.3   Install lock assembly
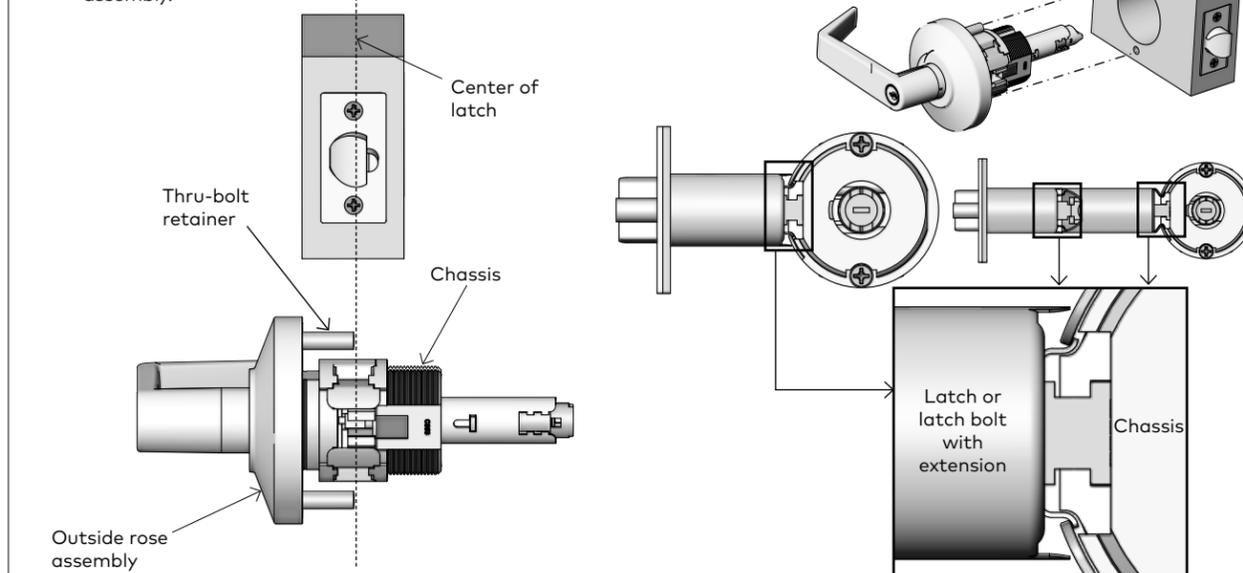Fig 3

Adjust for door thickness

NOTE: Lock comes adjusted for 1-3/4" door from the factory.

1.3.1   Align so center of chassis is in line with center of latch.

1.3.2   Slightly separate thru-bolt retainer from outside rose assembly.

1.3.3   Rotate outside rose assembly to adjust for proper door thickness.

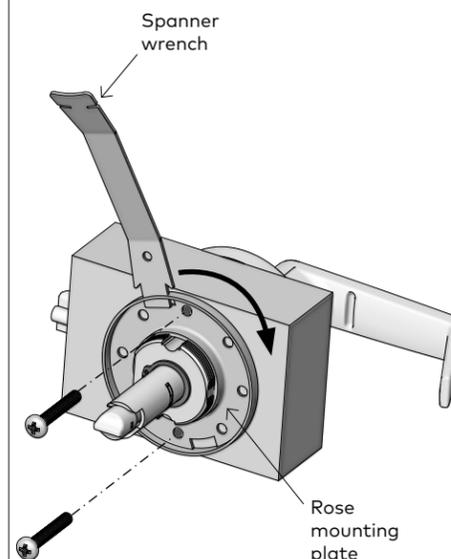1.3.4   Realign thru-bolt retainer with outside rose.

Install chassis

1.3.5   Slide lock assembly into face of door.

⚠   **Be sure to engage the inner latch mechanism of the chassis with the back of the latch as shown.**

Center of latch

Thru-bolt retainer

Chassis

Outside rose assembly

Latch or latch bolt with extension

Chassis

1.4   Install inside rose insert
Fig 4
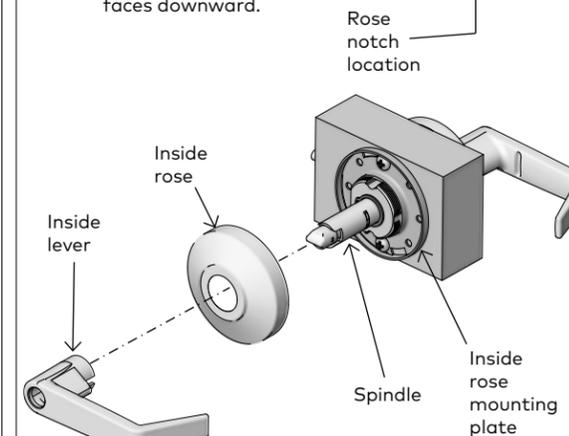
1.4.1   Hold lock assembly in place.

1.4.2   Thread inside rose mounting onto chassis until snug against door.

1.4.3   Ensure mounting plate is aligned with holes in door.

1.4.4   Secure mounting plate to chassis using two 10-32 x 1-1/2" screws.

Spanner wrench

Rose mounting plate

1.5   Install rose
Fig 5

1.5.1   Push inside rose onto inside rose mounting plate.

•   **Orientation:** rose notch faces downward.

Rose notch location

Inside rose

Inside lever

Spindle

Inside rose mounting plate

NOTE: Be sure lever insert is inserted into inside lever prior to installation.

1.5.2   Push inside lever onto spindle until it clicks into place.
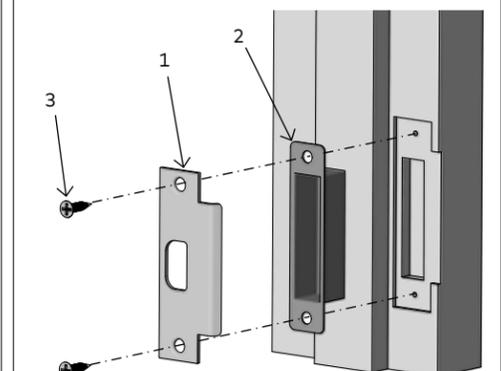
1.6   Install strikes
Fig 6

1.6.1   Insert strike as shown, and secure with two 12-24 x 1" combo screws.

STRIKE PART LIST
1 - STRIKE PLATE
2 - DUST BOX
3 - 12-24 X 1" COMBO-SCREWS

Non-wood doors

2   C877/C866 Timing instructions

Fig 7

Tools required
Flathead screwdriver
Lever pick

Handling reference

Interior side of door

Left hand door (LH)

Right hand door (RH)

Hinge

Hinge

Left hand reverse door (LHR)

Exterior side of door

Right hand reverse door (RHR)

LEFT HAND DOOR LH/LHR

INSIDE   OUTSIDE

Key spindle indicator

TIMING INSTRUCTIONS:

2.1   Install lock on door.
2.2   Remove both inside and outside levers.

(Interchangeable Core locks: leave levers in place and remove cores and tail pieces)

OUTSIDE OF DOOR: Rotate key spindle fully **COUNTER-CLOCKWISE**. Indicator will pointing **DOWNWARDS**. Install outside cylinder and lever.

INSIDE OF DOOR: Rotate key spindle fully **CLOCKWISE**. Indicator will pointing **DOWNWARDS**. Install inside cylinder and lever.

CHECK THE LOCK OPERATION BEFORE SHUTTING THE DOOR.

RIGHT HAND DOOR RH/RHR

OUTSIDE   INSIDE

Key spindle indicator

TIMING INSTRUCTIONS:

2.1   Install lock on door.
2.2   Remove both inside and outside levers.

(Interchangeable Core locks: leave levers in place and remove cores and tail pieces)

OUTSIDE OF DOOR: Rotate key spindle fully **COUNTER-CLOCKWISE**. Indicator will pointing **UPWARDS**. Install outside cylinder and lever.

INSIDE OF DOOR: Rotate key spindle fully **CLOCKWISE**. Indicator will pointing **UPWARDS**. Install inside cylinder and lever.

CHECK THE LOCK OPERATION BEFORE SHUTTING THE DOOR.
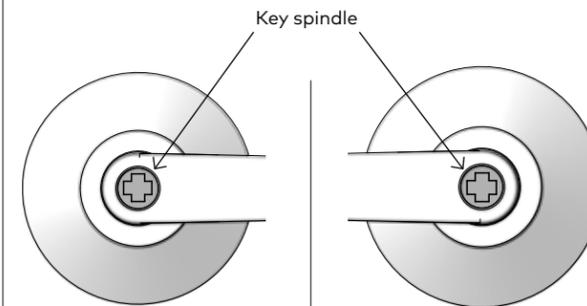
3   C860/C865/C870/C872 Timing instructions

Fig 8

TIMING INSTRUCTIONS:

3.1   Install lock on door.
3.2   Remove inside and/ or outside levers and cylinders

(Interchangeable Core locks: leave levers in place and remove cores and tail pieces)

860 = inside lever only
865 = inside lever only
870 = outside lever only
872 = inside and outside levers

INSIDE / OUTSIDE OF DOOR:

3.3   Rotate key spindle fully **COUNTER-CLOCKWISE**.
3.4   Install cylinder(s) and lever(s).
      (See steps 5.7 - 5.10 and 4.5 - 4.6 in Sections 4 and 5.)

Key spindle

4   Removing & reassembling interchangeable core lever
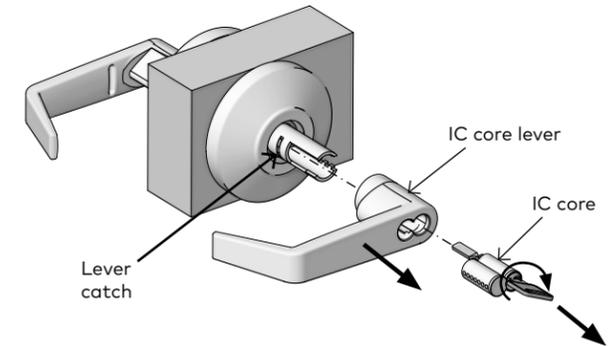
Fig 9

REMOVAL

4.1   Insert control key into IC core.
4.2   Rotate key 15° clockwise.
4.3   Remove core and tail piece from lever.

NOTE: **DO NOT REMOVE** the rubber stopper or security disc from the IC cylinder tailpiece. (Both parts are necessary on 6 & 7 pin cores.)

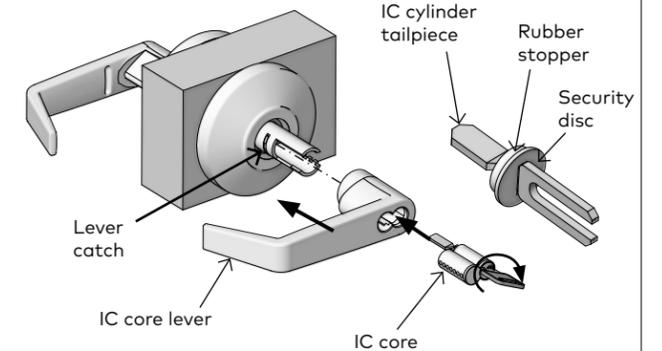4.4   Using a flathead screwdriver, retract lever catch inside spindle and remove lever.

IC core lever

IC core

Lever catch

REINSTALLATION

4.5   Press lever onto spindle until it snaps into place.
4.6   **Install tail piece in the core.**
      4.6.1   Insert control key into the core.
      4.6.2   Rotate key 15° clockwise.
      4.6.3   Push core fully into lever and turn counter-clockwise 15° (home position), and remove the key.

IC cylinder tailpiece

Rubber stopper

Security disc

Lever catch

IC core lever

IC core

5   Removing & reassembling standard cylinder lever (cylinder changes)
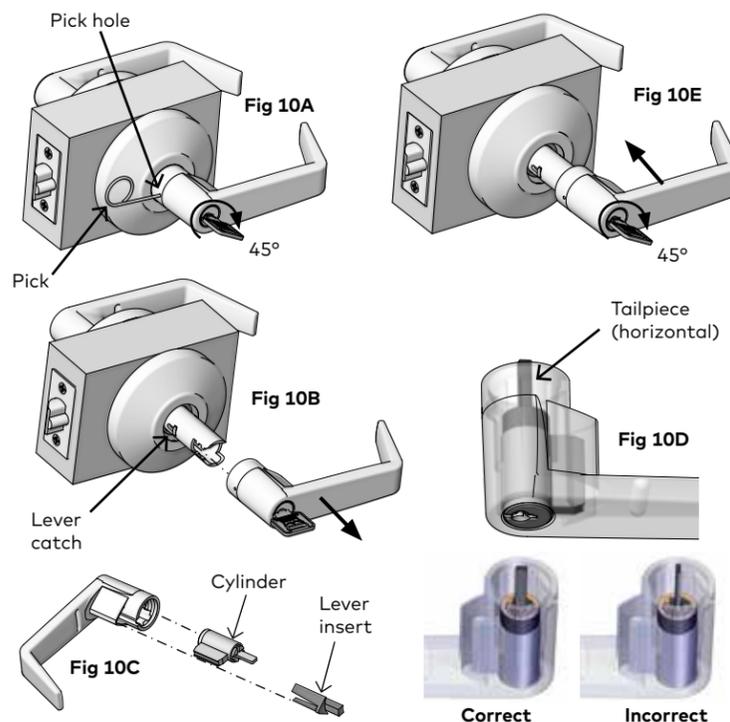
Fig 10

REMOVAL

5.1   Insert key in outside lever.
5.2   Turn **CLOCKWISE** and hold at 45°.
5.3   Using pick, depress lever catch through pick hole and remove lever.
5.4   Remove key. (Fig 10A/10B)
5.5   Remove lever insert and cylinder.

REINSTALLATION

5.6   Replace with new cylinder and reinstall lever insert. (Fig 10C)

⚠ **Be sure tailpiece is horizontal. (Fig 10D)**

5.7   Press outside lever onto spindle until it contacts lever catch. (Fig 10E)
5.8   Insert key, turn **CLOCKWISE** and hold at 45°.
5.9   Press lever fully onto spindle until it clicks into place.
5.10   Release key.

Pick hole

Fig 10A

45°

Pick

Fig 10B

Lever catch

Fig 10E

45°

Tailpiece (horizontal)

Fig 10D

Cylinder

Lever insert

Fig 10C

Correct   Incorrect

6   Dummy trim installation

Fig 11

SINGLE DUMMY TRIM: C801

6.1   Position inside dummy rose mounting plate on the door.
·   **Orientation:** Lever catch facing towards door edge.

6.2   Secure to door using four #8 combo screws.

6.3   Push rose onto rose insert.
·   **Orientation:** Rose notch faces downward.

6.4   Push inside lever onto spindle until it clicks into place.

DOUBLE DUMMY TRIM: C802

6.1   Slide outside dummy rose mounting plate into through-bolt holes on door.
·   **Orientation:** Lever catch faces towards the door edge.

6.2   Align inside dummy rose insert and secure to door using two #8 combo screws and two 10-32 x 1-1/2" screws.

6.3   Push roses onto dummy rose mounting plates.
·   **Orientation:** Rose notches facing downward.

6.4   Push levers onto spindles until they click into place.

C801

Door edge

Lever catch

Rose notch

Rose mounting plate

Rose

Lever catch

Door edge

C802

Outside rose mounting plate

Inside rose insert mounting plate

#8 combo screws

10-32 x 1-1/2" screws