

Installation Instructions: C200 cylindrical lock

1 Technical specifications

1.1 Caution

⚠ Caution: If you use hollow metal doors, determine whether the doors are reinforced enough to support the lock. If door reinforcement is not adequate, consult the door manufacturer for information on proper reinforcement. Maximum door opening degree is 180°.

⚠ Caution: The deadlocking plunger of the latchbolt must not enter the strike plate opening. The plunger deadlocks the latchbolt and prevents forcing the latch when the door is closed. A gap of more than 1/8" (3 mm) may reduce security and/or cause improper operation of the latchbolt.

⚠ Caution: Since the control key is a high-security key, make sure to keep it protected.

1.2 Tools recommended

Table 1

#2 and #3 Phillips screwdriver	2-1/8" (54 mm) hole saw
Tape measure	1" (25 mm) hole saw or drill bit
Hammer	Drill
1" (25 mm) wood chisel	Drill bit: 5/16" (8 mm) drill bit

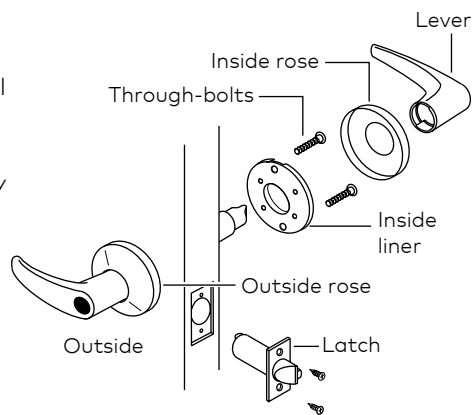
1.3 Overview

Fig.1

1.3.1 Install the latch so that the bevel on the latchbolt faces the strike.

1.3.2 Adjust the outside rose assembly so that the chassis is centered in the door. Install the chassis from the outside of the door.

1.3.3 Install the inside liner, through-bolts, rose, lever and strike.



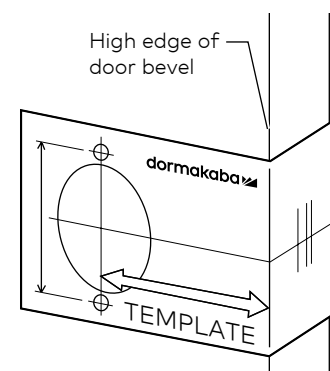
NOTE: For factory prepared doors only.

2 Installation instructions

2.1 Position template.

Fig.2

- 2.1.1 Fold the template and place it in position on the high edge of the door bevel.
- 2.1.2 Mark the drill points.



NOTE: The suggested height from the floor to centerline of the lock is 40-5/16" (1023 mm). If steel frames are used, the latch center-line must be in line with the center of the strike preparation.

2.2 Bore two holes and install latch.

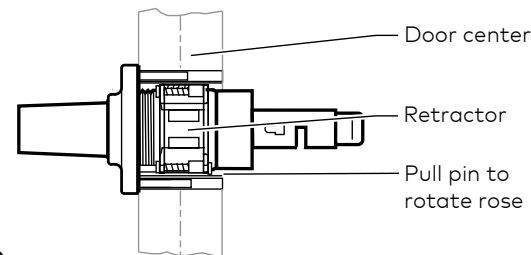
- 2.2.1 Bore a 2-1/8" (54 mm) diameter hole from both sides of the door, to the center of the door.
- 2.2.2 Drill a 1" (25 mm) diameter hole from the edge of the door that intersects the 2-1/8" (54 mm) hole.
- 2.2.3 Mortise the door edge for the latch face.
- 2.2.4 Install the latch through the 1" (25 mm) diameter hole. For drive-in latches, use a rubber mallet. Latch tabs should project into the 2-1/8" (54 mm) diameter hole.
- 2.2.5 Check the door swing.

2.3 Adjust lockset to door thickness.

Fig.3

Follow these steps to adjust thickness:

- 2.3.1 Temporarily remove the latch.
- 2.3.2 Retract the rose locking pin and rotate the outside rose liner in or out for the proper door thickness by lining up the "DOOR CENTER" mark with the center of the latch hole.
- 2.3.3 Reinstall the latch.

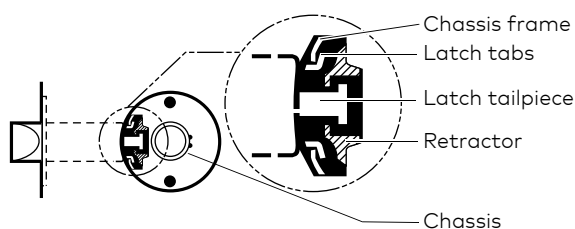


NOTE: Make sure the locking pin locks into the rose liner.

NOTE: Locksets will fit 1-3/8" (35 mm) to 2" (51 mm) thick doors.

2.4 Engage retractor in latch.

Fig.4

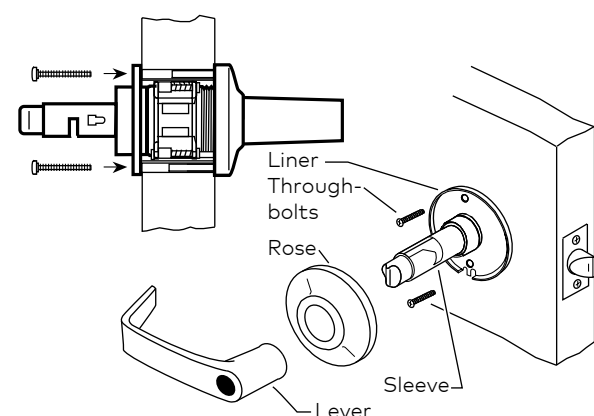


2.4.1 With the latch in place, install the chassis from the outside. Make sure the latch tabs engage the chassis frame and the latch tailpiece engages the retractor.

2.5 Install liner, through-bolts, rose, and lever.

Fig.5

- 2.5.1 Align the holes in the liner with the holes prepared in the door.
- 2.5.2 Install through-bolts through the liner and the door in the top and bottom holes.
- 2.5.3 Tighten the liner onto the door with the through-bolts.
- 2.5.4 Slide the rose over the sleeve, then press the rose onto the liner. The rose should fit closely to the door surface.
- 2.5.5 With the lever pointing toward the hinges, push the lever on firmly until seated.

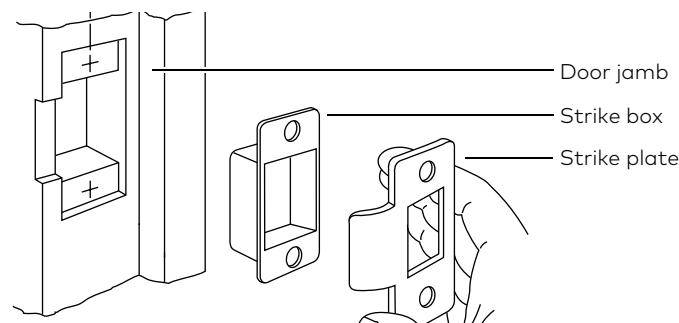


2.6 Install strike plate.

Fig.6

- 2.6.1 In alignment with the center of the latchbolt, mortise the door jamb to fit the strike box and strike plate.
- 2.6.2 Insert the strike box and secure the strike with the screws provided.

CAUTION: The deadlocking plunger of the latchbolt must not enter the strike plate opening. The plunger deadlocks the latchbolt and prevents forcing the latch when the door is closed. A gap of more than 1/8" (3 mm) may reduce security and/or cause improper operation of the latchbolt.



3 Instructions - C200 key-in-lever cylinders

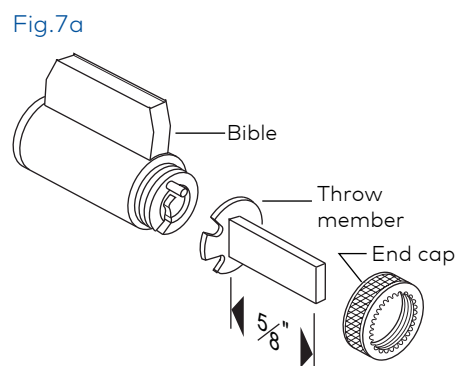
3.1 Assemble and install key-in-lever cylinder.

Fig.7a—Fig.7b

These instructions describe how to install a key-in-lever cylinder into a C200 dormakaba lever handle. Use these instructions only after completing the installation of the cylindrical chassis.

Follow these steps to install the key-in-knob cylinder into a C200 lever handle.

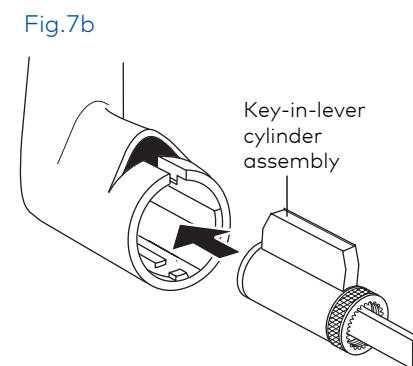
- 3.1.1 From the bag of keys, cylinders and throw members, keep only the shortest throw member. Discard the other throw members—they will not be needed.
- 3.1.2 Remove the outside lever if it's not already off.
- 3.1.3 Assemble the key-in-lever cylinder as shown in Figure 7a.



NOTE: Make sure that the throw member blade is installed aligned with the cylinder 'bible' as shown in Figure 7a. This prevents unauthorized removal of the cylinder.

NOTE: Do not disassemble the cylinder with the key inserted. Doing so may cause the pins to fall out.

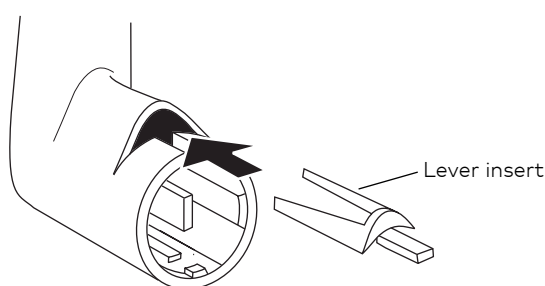
- 3.1.4 Install the key-in-lever cylinder assembly into the handle. See Figure 7b.



3.2 Install the lever insert and lever handle.

Fig.8a—Fig.8b

Fig.8a



- 3.2.1 Install the lever insert as shown in Figure 8a. Make sure that the lever insert is completely seated.

Fig.8b

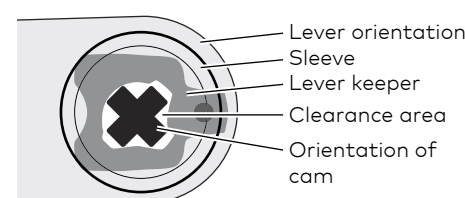
For Classroom Function (70) locks only:

- 3.2.2 Turn the cam counterclockwise until it stops. Then rotate clockwise 45° (or until it aligns with the clearance area on the lever keeper). See Figure 8b.
- 3.2.3 Insert the key into the cylinder and turn the key 45° clockwise.
- 3.2.4 Push the lever on until it is completely seated.
- 3.2.5 Remove the key for the cylinder.

For all other keyed function locks:

- 3.2.6 Insert the key into the cylinder.
- 3.2.7 Push on the lever handle until it stops.

Looking head-on into the outside sleeve, with the latch to be on the right.



- 3.2.8 Turn the key 45° clockwise while applying pressure and push the lever on until it is completely seated.
- 3.2.9 Remove the key from the cylinder.

3.3 Remove the lever.

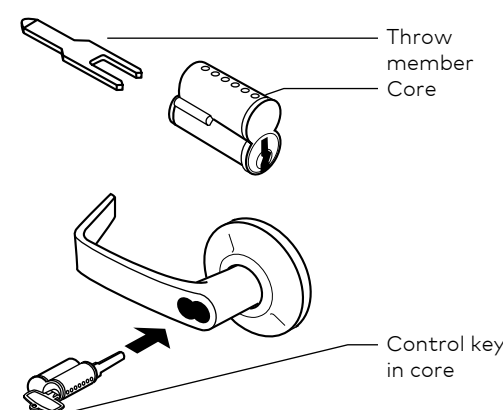
- 3.3.1 Insert the key into the cylinder and turn the key 45° clockwise.
- 3.3.2 Depress the keeper with a tool.
- 3.3.3 Remove the lever.

3.4 Assemble and install optional I/C core.

Fig.9

For all function locks:

- 3.4.1 Insert the throw member into the core.
- 3.4.2 Put the control key into the core and turn the key 15° clockwise.
- 3.4.3 Put the core and throw member into the lever with the control key.
- 3.4.4 Turn the key 15° counterclockwise and remove the key.



NOTE: For Classroom Function (70) locks only: Insert a screwdriver into the figure-8 opening and turn the locking mechanism counterclockwise as far as it will go.



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