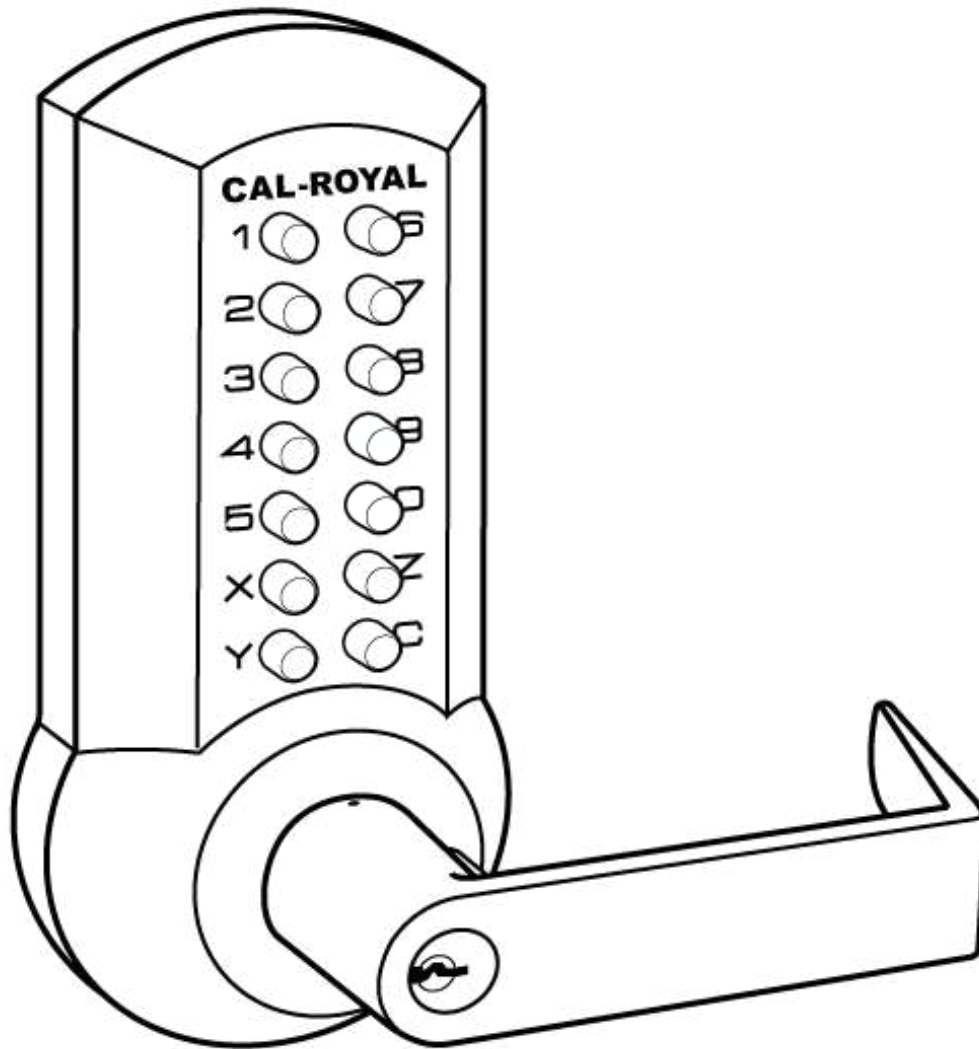


CRCODE-202

Mechanical Lock

Instruction and Programming Manual



Before Installing:

1. Please read the instructions carefully to prevent missing important steps.
*Note: Improper installations may result in damage to the lock which will void the factory warranty.
2. Please keep this Instruction Manual for future reference.
3. Contact dealer if particular installation is needed.



6605 Flotilla St.,
Commerce, CA 90040
Tel (323) 888-6601 Fax (323) 888-6699
www.cal-royal.com



IMPORTANT NOTICE:

1. If entered code does not work, push the "C" button followed by the code. Otherwise, it is not necessary to push the "C" button before entering the code.
2. The digits after the "C" button can be entered in any order to confuse tailgaters watching over your shoulders.

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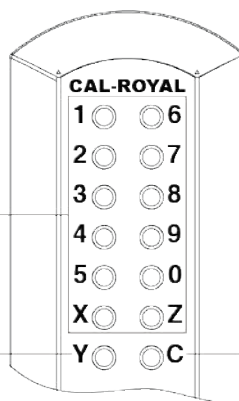
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Introduction

1. This is a mechanical lock. It does not need a power supply.
2. There are 12 buttons that can be coded: 1 to 0, X and Z. The Y button is only used for setting the new code. The C button is to clear the buttons if the wrong code is entered.
3. The numbers in the code can be interchanged and does not need to be typed in order. Password combinations can be from 1-12 digits but 4 to 6 digit codes is suggested for security purposes.
4. The lock is suitable for door thickness 1 $\frac{3}{8}$ " to 2 $\frac{1}{4}$ ". Choose the appropriate length of screws according to the door thickness. If the door thickness is out of range, please contact dealer to get special parts.
5. This lock can be installed on wood and metal doors. To install on a fire door, please purchase accessories needed for fire doors.

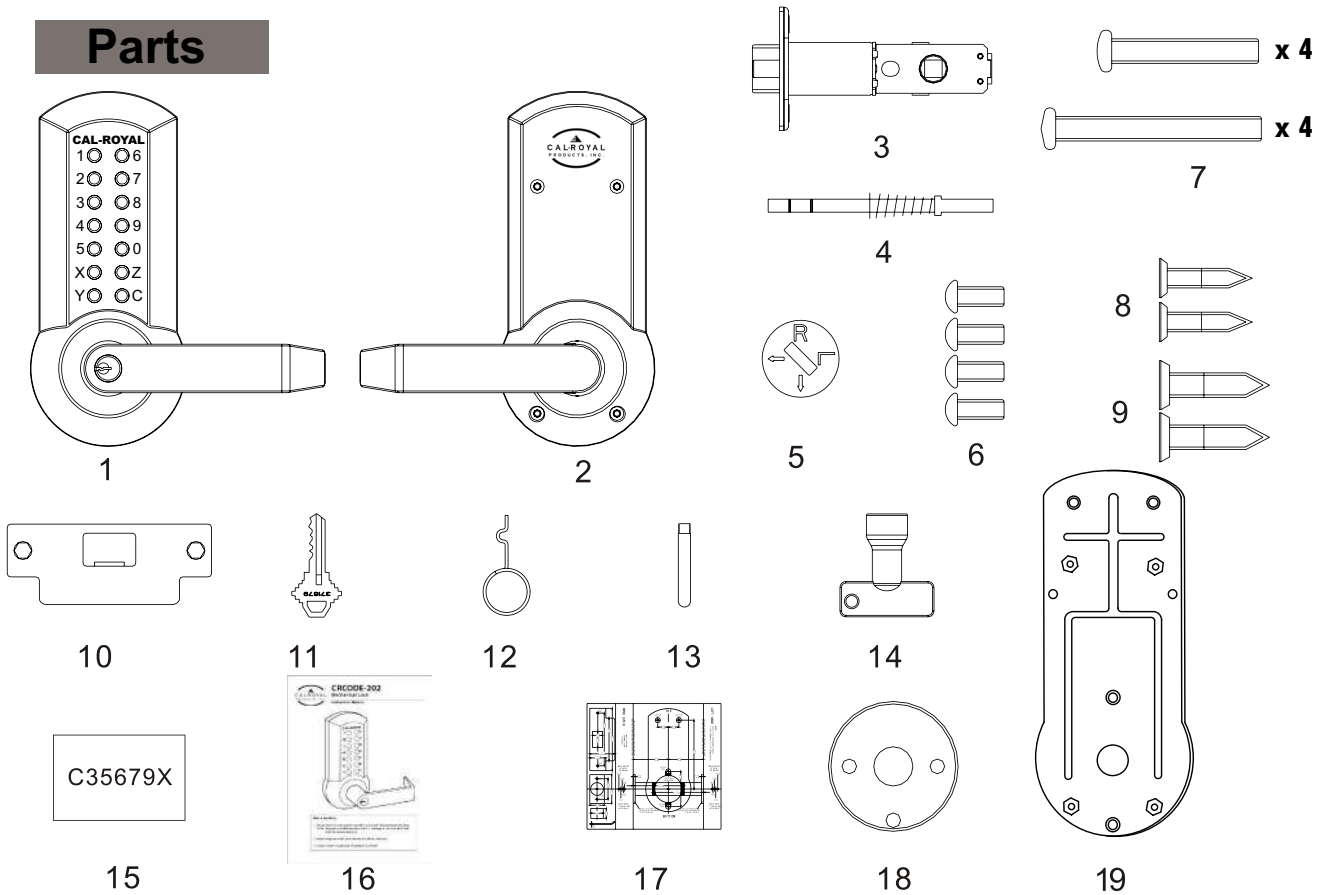
12 buttons can be coded:
1-0, X and Z

The Y button is only used
to set new codes, it can
not be coded.



The C button is used as
a clear button when the
wrong code is entered. It
can not be coded.

Parts



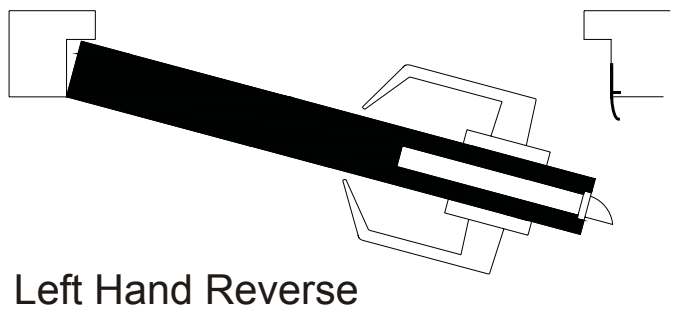
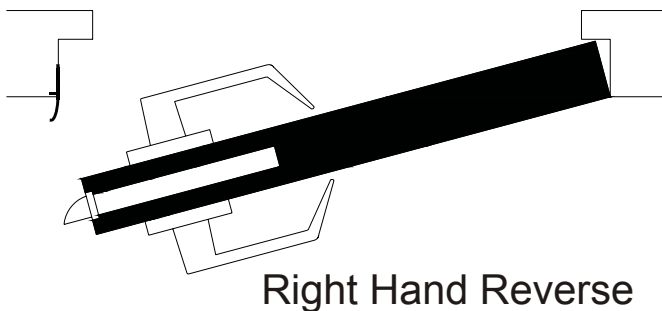
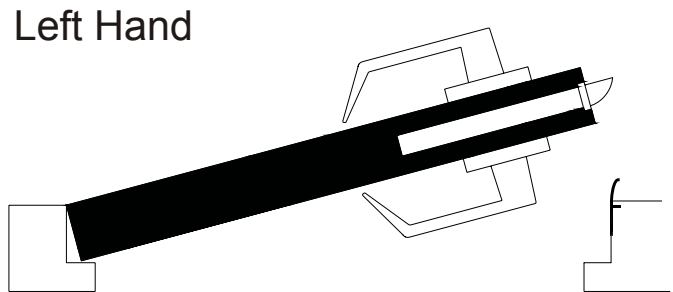
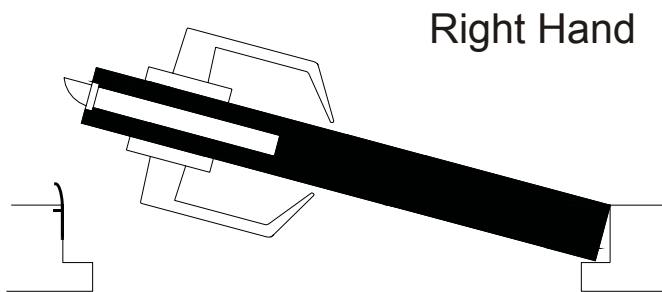
	PARTS	PCS	REMARKS
1	Outside Lock	1	
2	Inside Lock	1	
3	2 3/4 backset fire latchbolt	1	70mm 2 3/4" backset
4	Spindle	1	
5	Spindle Adapter	1	
6	8-32 X 3/8" screws	4	backplate fixing bolts
7	10-32 X 1 3/16" screws	4	front plate fixing bolts for door thickness 35mm - 44mm (1 3/8" - 1 3/4")
	10-32 X 1 21/32 screws	4	front plate fixing bolts for door thickness 51mm - 57mm (2" - 2 1/4")
8	8-32 3/4 screws	2	latch fixing screws
9	12-24 X 1" screws	2	strike plate fixing screws
10	ANSI strike	1	
11	SC Keys	3	SCHLAGE "C" Keyway
12	Pin for lever latch	1	lever handle direction change tool
13	Alignment post for latchbolt	1	
14	Easy code change key	1	code change tool
15	Factory Set Code	1	default code
16	Instruction Manual	1	
17	Template / Installation Instructions	1	
18	Fire Cup	1	only provided in the UL fire rated products
19	Mounting Plate	1	

Standard 70mm (2 3/4") backset latch. Contact the distributor when 60mm (2 3/8") backset latch is required

Checklist before installation:

1. Door Material	Wood / Steel
2. Door Thickness	1 3/8 - 2 1/4
3. Mounting Plate	
4. Door Handing	Right Hand / Left Hand
5. Complete Accessories	

Door Handing



CHANGE THE LEVER HANDLE AND LATCH DIRECTION ACCORDINGLY

***THE EXAMPLE IN THIS MANUAL IS A RIGHT HAND DOOR**

Installation Procedures



Mark and Drill Door

1. Attach TEMPLATE onto door and verify backset and latchbolt center, before marking and drilling holes on the door.

2. Drill holes on the door.

*Drilling a hole from both sides is recommended to avoid splintering wood doors.

2.1 Drill 2 1/8" diameter thru holes.

2.2 Cut notch horizontally.

2.3 Drill two 3/8" holes on top, per TEMPLATE.

2.4 Drill two 3/8" thru holes, on top and bottom of the bore hole vertically.

2.5 Drill 1" hole on the edge of the door. Chisel a rabbet 1/8" deep to allow latch face flush fit with door edge. Mortise for latchbolt front 1 1/8" width x 2 1/4" height x 5/32" deep.

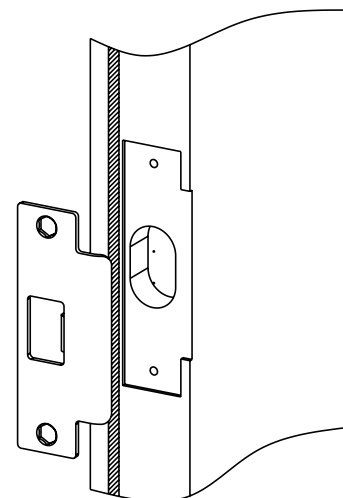
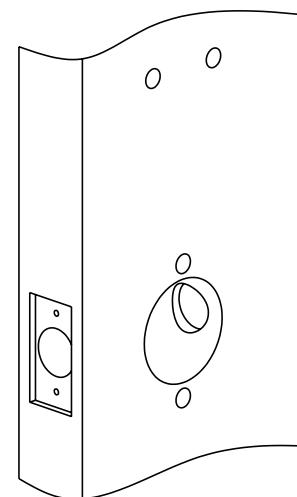
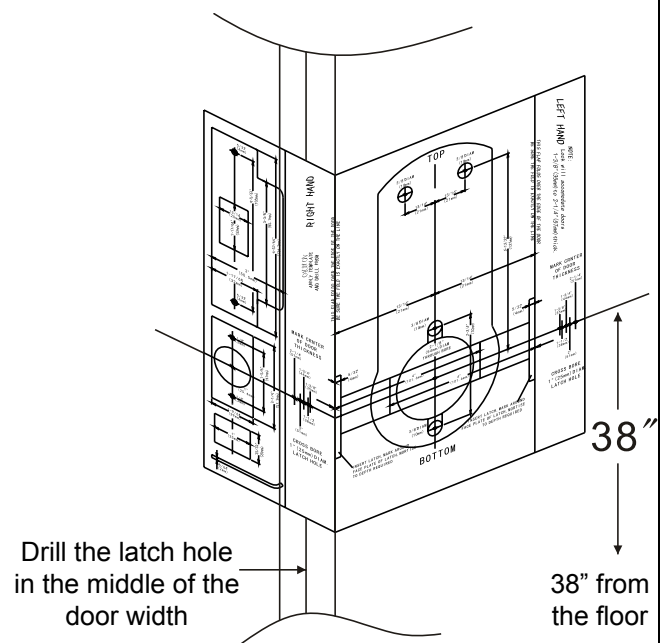
2.6 Drill Pilot hole for latchbolt screws 7/64".

3. Prepare and install strike.

3.1 Close door and mark a horizontal line from the center of the template to the frame of the door.

3.2 Cut a rabbet of 1/8" deep to allow strike to flush with jamb.

3.3 Align hole of the strike with vertical line. Tighten strike plate using two screws provided.

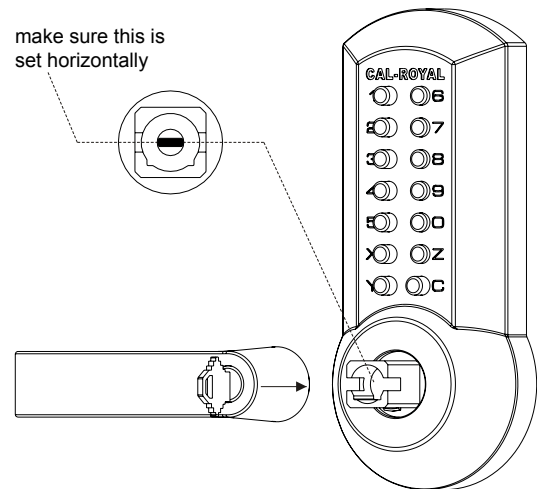
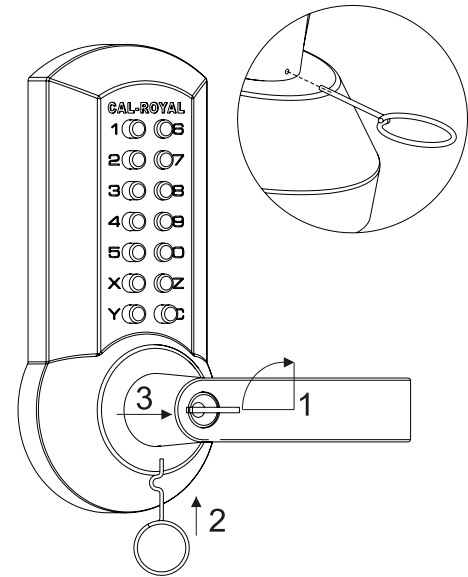


To Change Handing

OUTSIDE LOCK

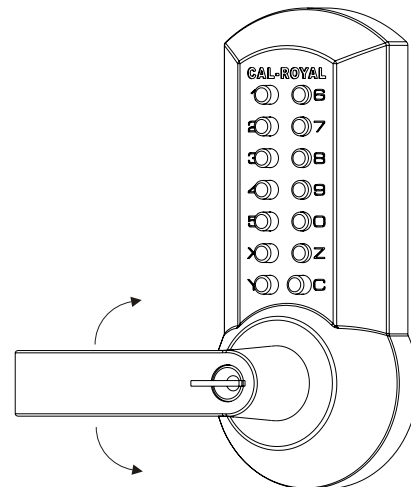
(Lever shipped Right Handed)

1. Insert key and turn 90° clockwise.
2. Insert lever catch on the bottom of the lever.
3. Pull lever off.
4. Fit lever to the desired opposite left hand of the door.
5. Turn key 90° clockwise and push lever until it clicks.
6. Make sure the outside lever is secure and working smoothly.
7. Pull out key.



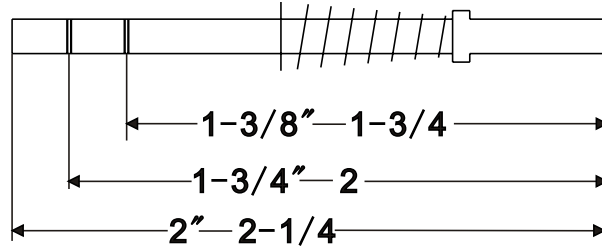
INSIDE LOCK

1. Insert lever catch on the bottom of the lever.
2. Pull lever off.
3. Switch lever to opposite direction.
4. Push lever until it clicks.
5. Make sure the inside lever is secure and working smoothly.

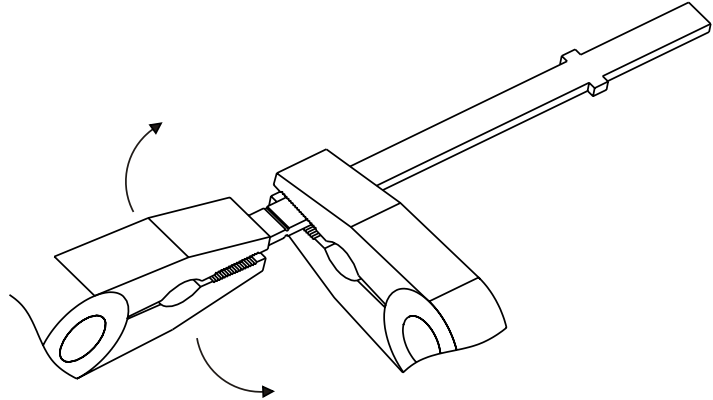


Cut spindle according to door thickness

1. Spindle supplied with breakable points for specific door thickness requirements.



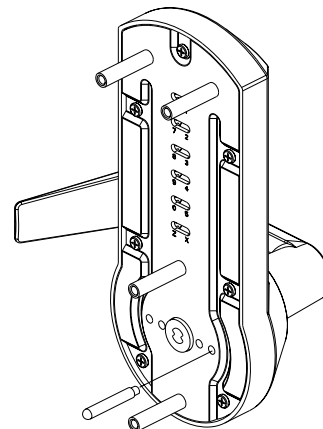
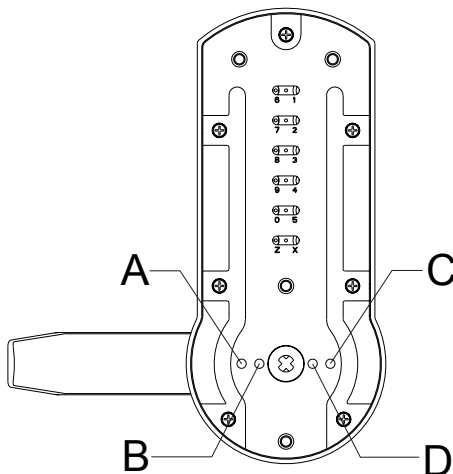
2. Break off one or two points from the spindle, according to the door thickness measurement.



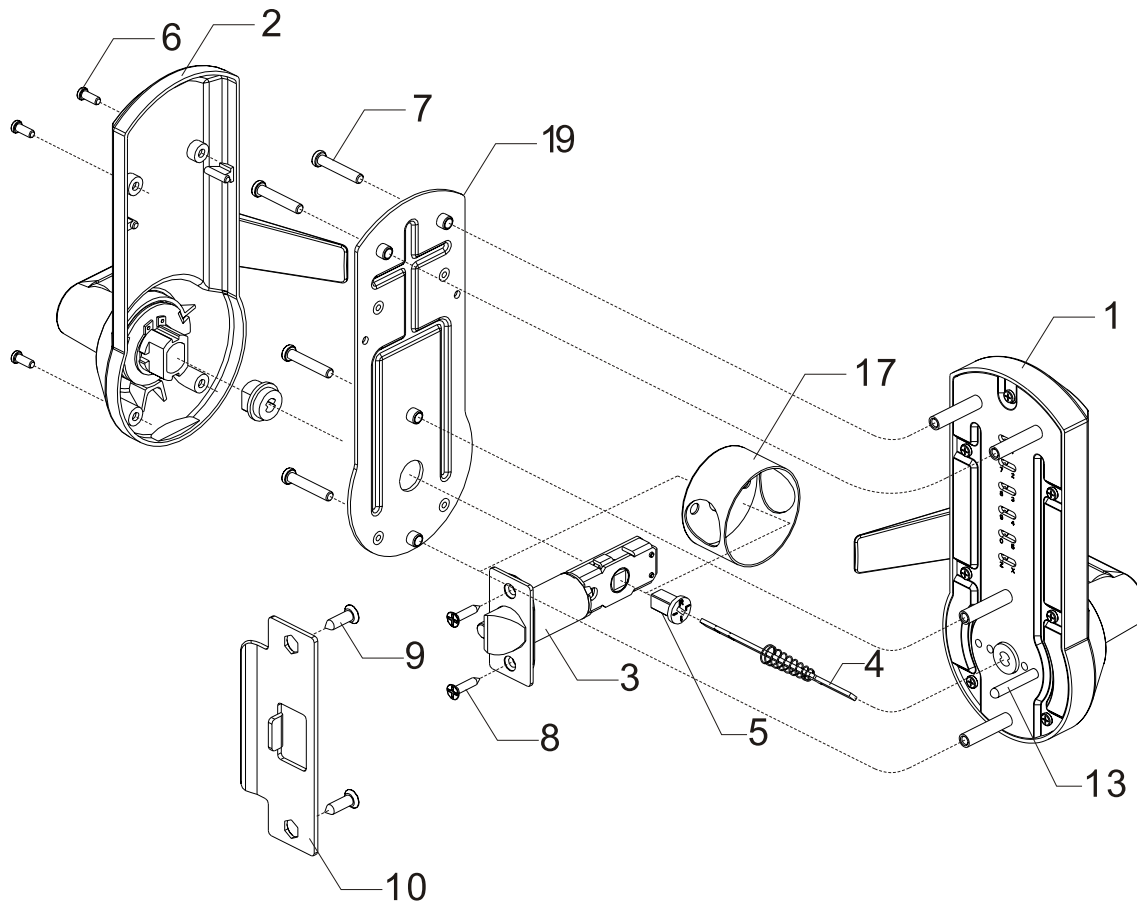
Alignment post location

1. As tubular latchbolts only have one bolt hole, fasten the alignment post to the desired position, on the back plate of the Outside Lock .

	Post positions provided for:
A	Left hand, 2 3/4" backset
B	Left hand, 2 3/8" backset
C	Right hand, 2 3/4" backset
D	Right hand, 2 3/8" backset

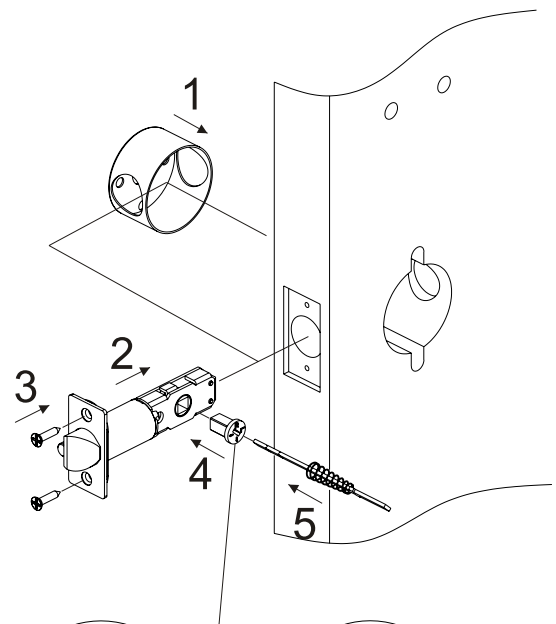


Exploded View of CRCODE-202



Latch and Spindle Installation

1. Insert the fire cup into the hole. (If not using a fire cup, skip this step)
2. Insert the latch into the side hole.
3. Fix the latch with two 8-32x3/4" wood screws.
4. Fit the spindle into the latch according to the handing of the door (refer to "Adapter Instructions")
5. Insert in the spindle.

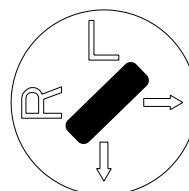


Adapter Instructions

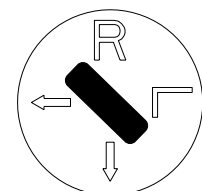
1. Select door handing and choose position of the adapter.

*For **Left Hand** installation, the "L" should be in the 12 o'clock position.

*For **Right Hand** installation, the "R" should be in the 12 o'clock position.

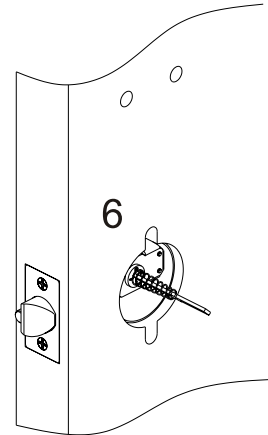


Left Hand



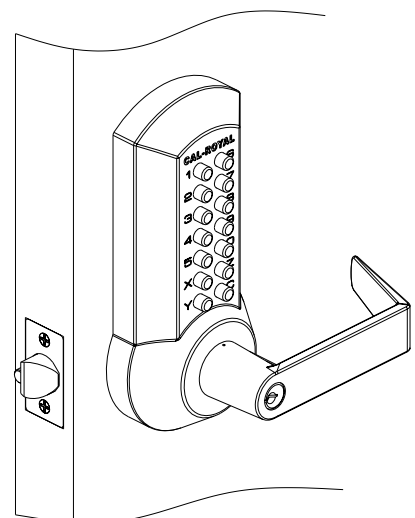
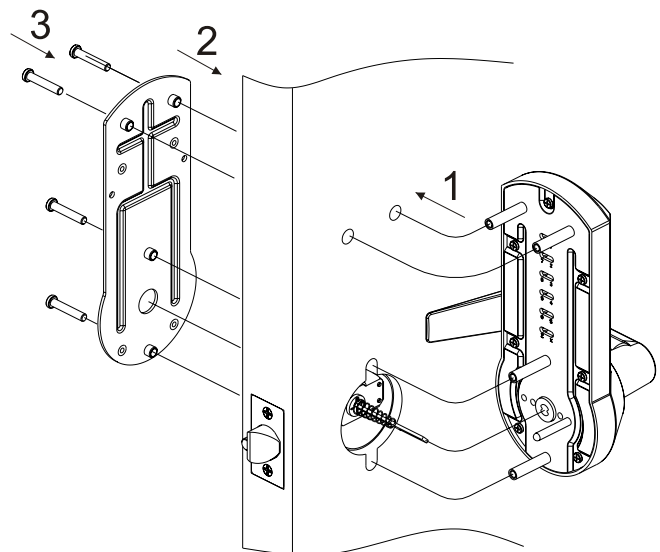
Right Hand

6. Check that the latch is correctly fitted as shown on right image.



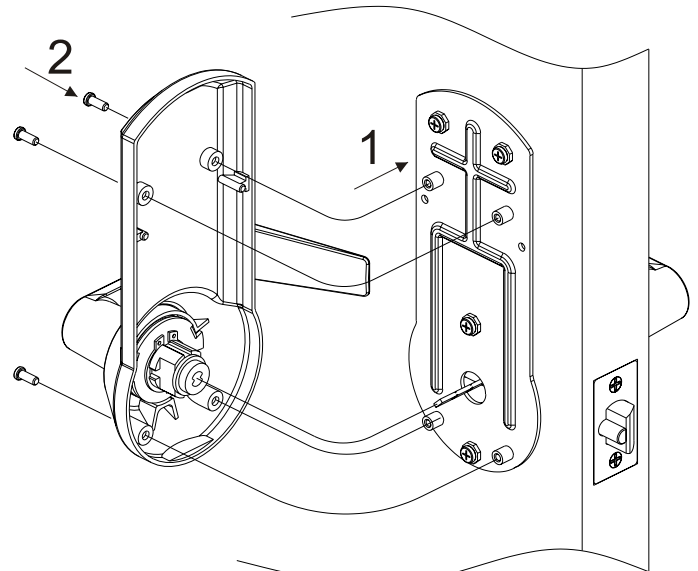
Outside Lock Installation

1. Place **Outside Lock** on door.
2. Align hub onto the spindle and 4 screw posts through prep doors.
3. Align the mounting plate of the Inside lock and fasten with 4 screws.



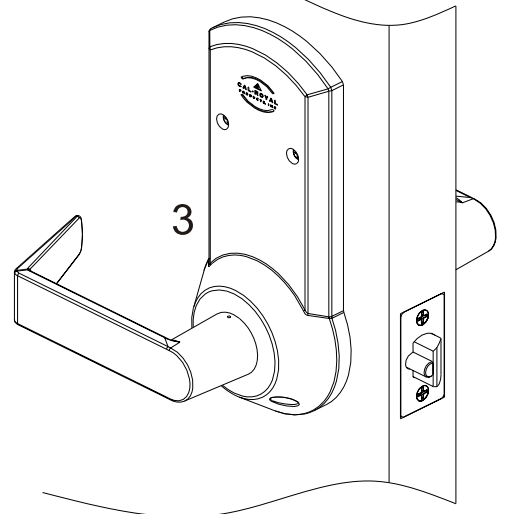
Inside Lock Installation

1. Place Inside Lock onto the door.
2. Push lever onto the hub until it clicks.
3. Fasten with 4 screws.



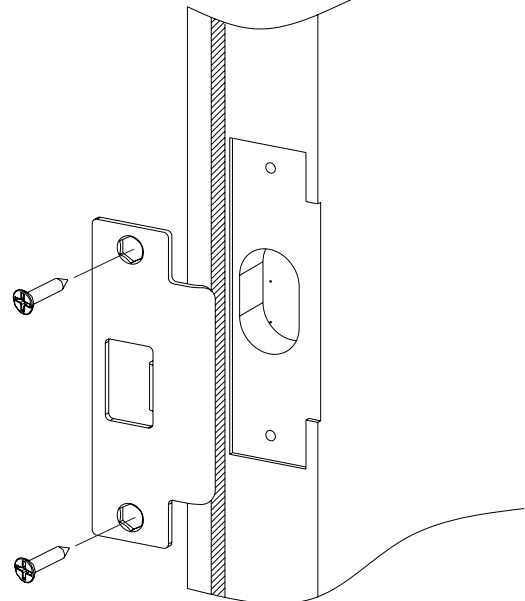
Install Strike Plate

1. Align strike plate with rabbet.
2. Fasten strike plate with 2 screws.



Check & Adjust

1. Enter factory set code and make sure that the latchbolt retracts and the lever handle turns smoothly.
2. Check the operation of the inside lever handle.
3. Insert the key to check if the latchbolt retracts.
4. Close the door and make sure it closes without getting stuck. (Remove the key before closing the door)
5. Enter the code or use the key to open the door.
6. If there is no binding of the latch or handles, the lock is correctly fitted. Otherwise, loosen the fixing bolts and reposition the strike plate slightly until the correct position is found. Re-tighten the bolts.



To Change Access Code

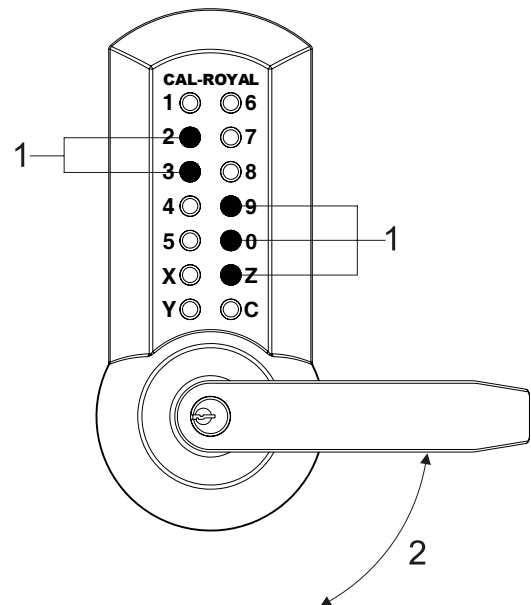
-
- A line drawing showing the handle and thumb turn assembly being attached to the lock body. The assembly consists of a cylindrical handle and a thumb turn. An arrow indicates the direction of rotation for the thumb turn. The lock body is shown with the handle and thumb turn being inserted into the top of the handle.

To Change Access Code

8. Press "C" and the new access code.

9. Turn the lever. The Y button will pop back up once the code is changed.

*Before pressing the access code, make sure to press "C" button (Clear) first.

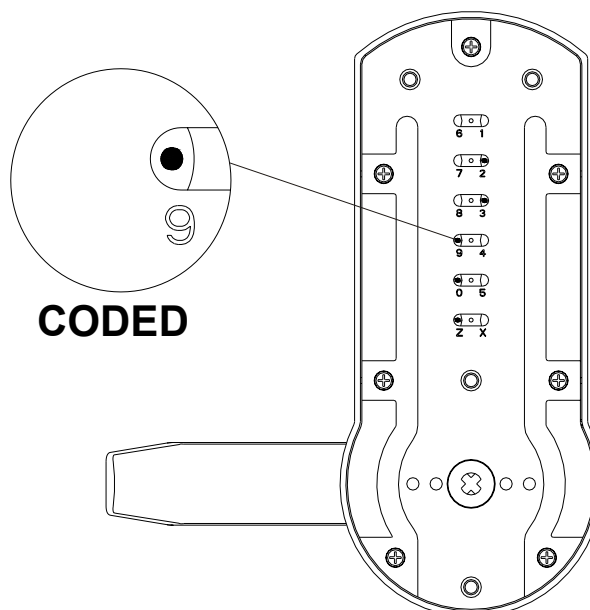


Access Code Recovery

1. Remove the Outside Lock

*The buttons included in the access code (**coded buttons**) will show dots above the number/letter.

*The buttons not included in the access code (**non-coded**) buttons will be blank.



Blank lined area for notes or calculations.



6605 FLOTILLA ST., COMMERCE, CA 90040
TEL. (323) 888-6601 FAX. (323) 888-6699
WEBSITE: www.cal-royal.com
EMAIL: sales@cal-royal.com

