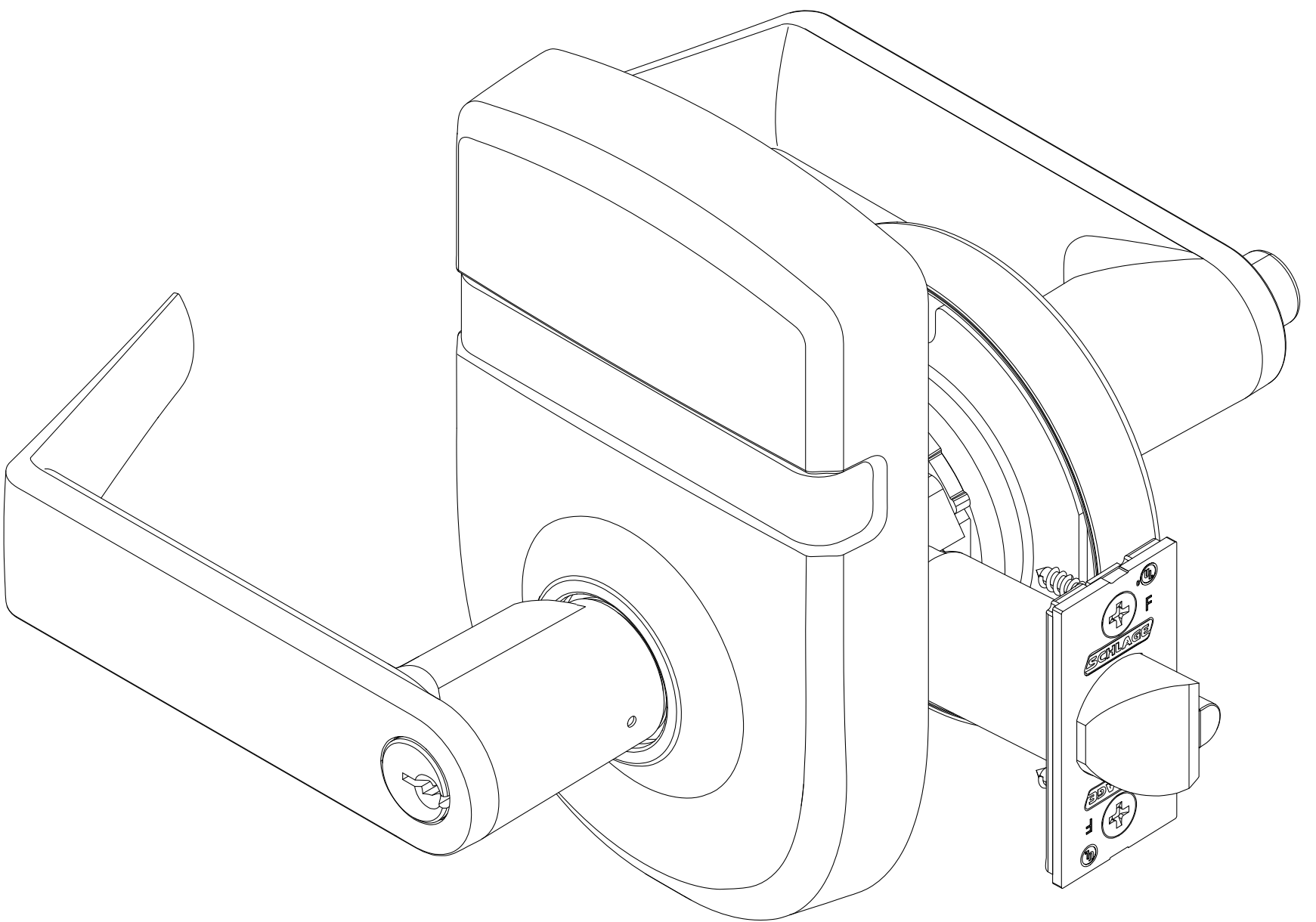




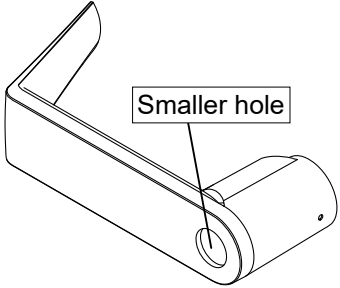
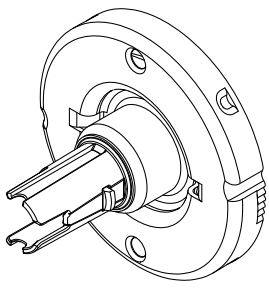
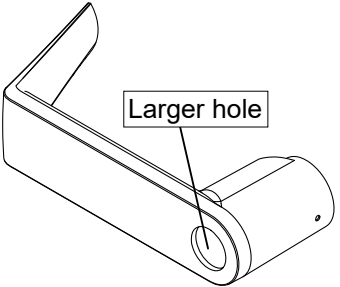
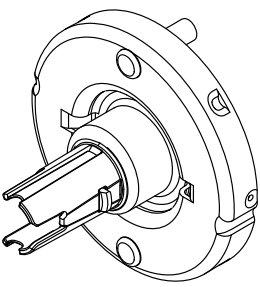
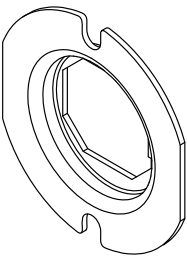
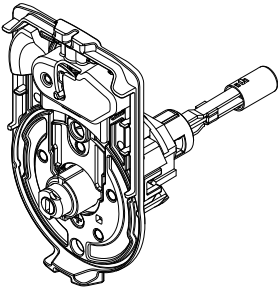
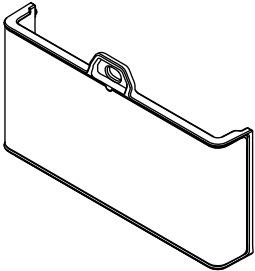
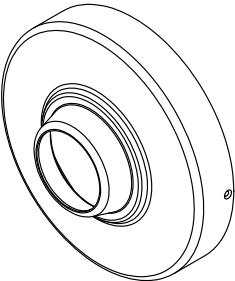
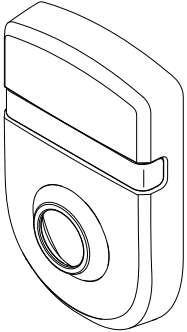
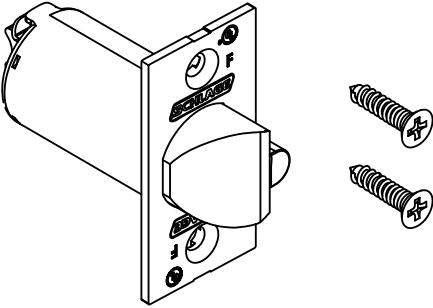
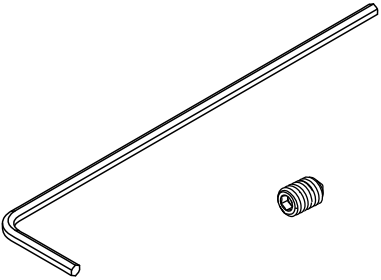
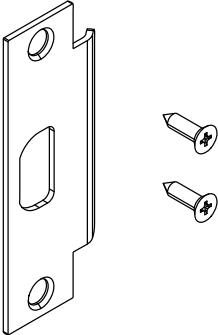
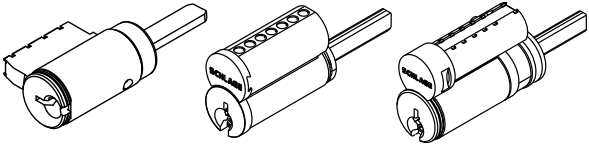
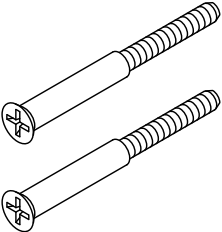
ND50/52/53/55/73-OS-IND

Lock and Indication Trim

Installation for 50/52/53/55/73 with Outside Indicator



Part Identification

Inside Handle	Inside Spring Cage
	
Outside Handle	Outside Spring Cage
	
Anti-Rotation Plate	Chassis
	
Indicator Sign	Rose
	
Escutcheon	Latch
	
Hex Wrench & Escutcheon Set Screw	Strike Plate
	
Emergency Button	Mounting screws
	

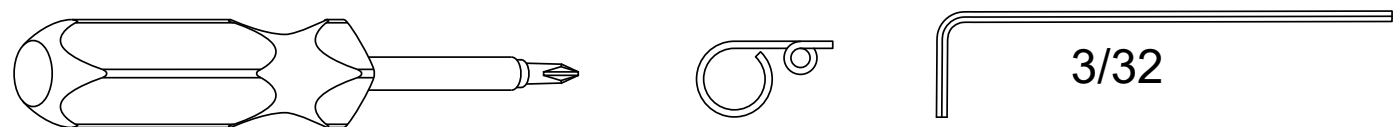
Installation Preparation

Door preparation:

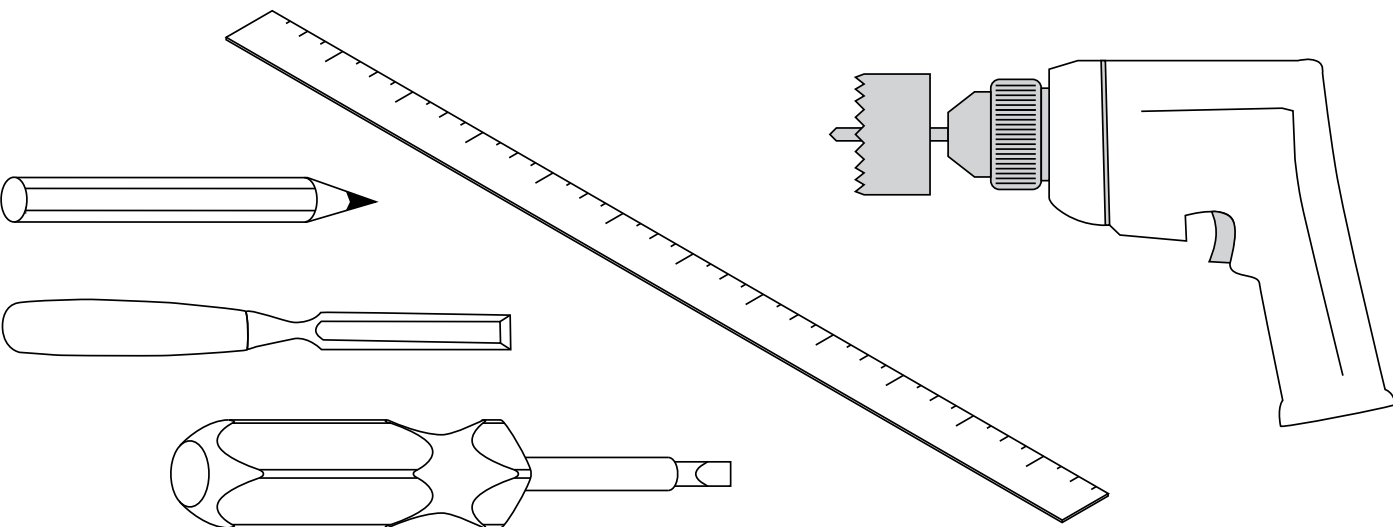
For door preparation use the template included in the package with the lock. For additional information, visit the website www.allegion.com/us.

Tools for Install

Required:



Optional:

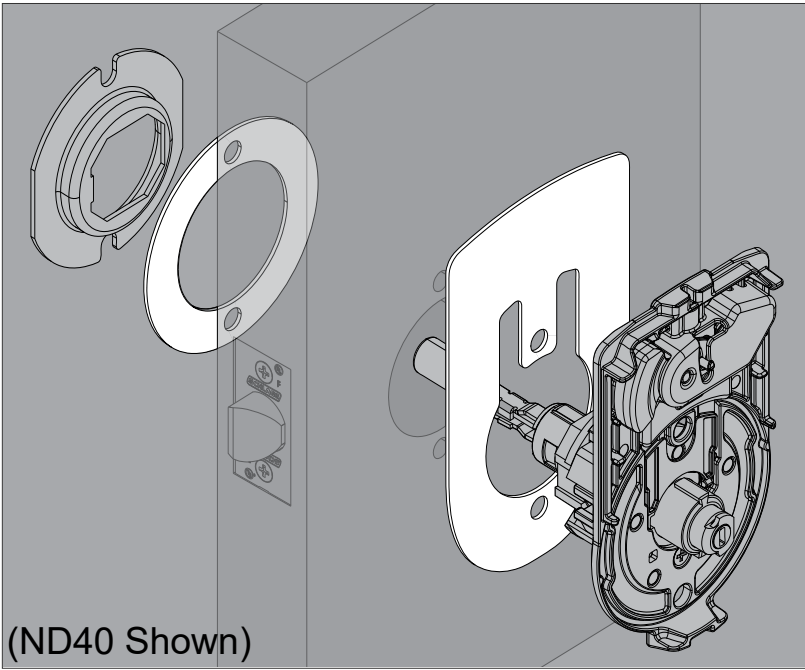


IMPORTANT – DOOR THICKNESS

This lock function is only compatible with 1-3/4” door thickness.

For thinner door applications, refer to these spacer kits:

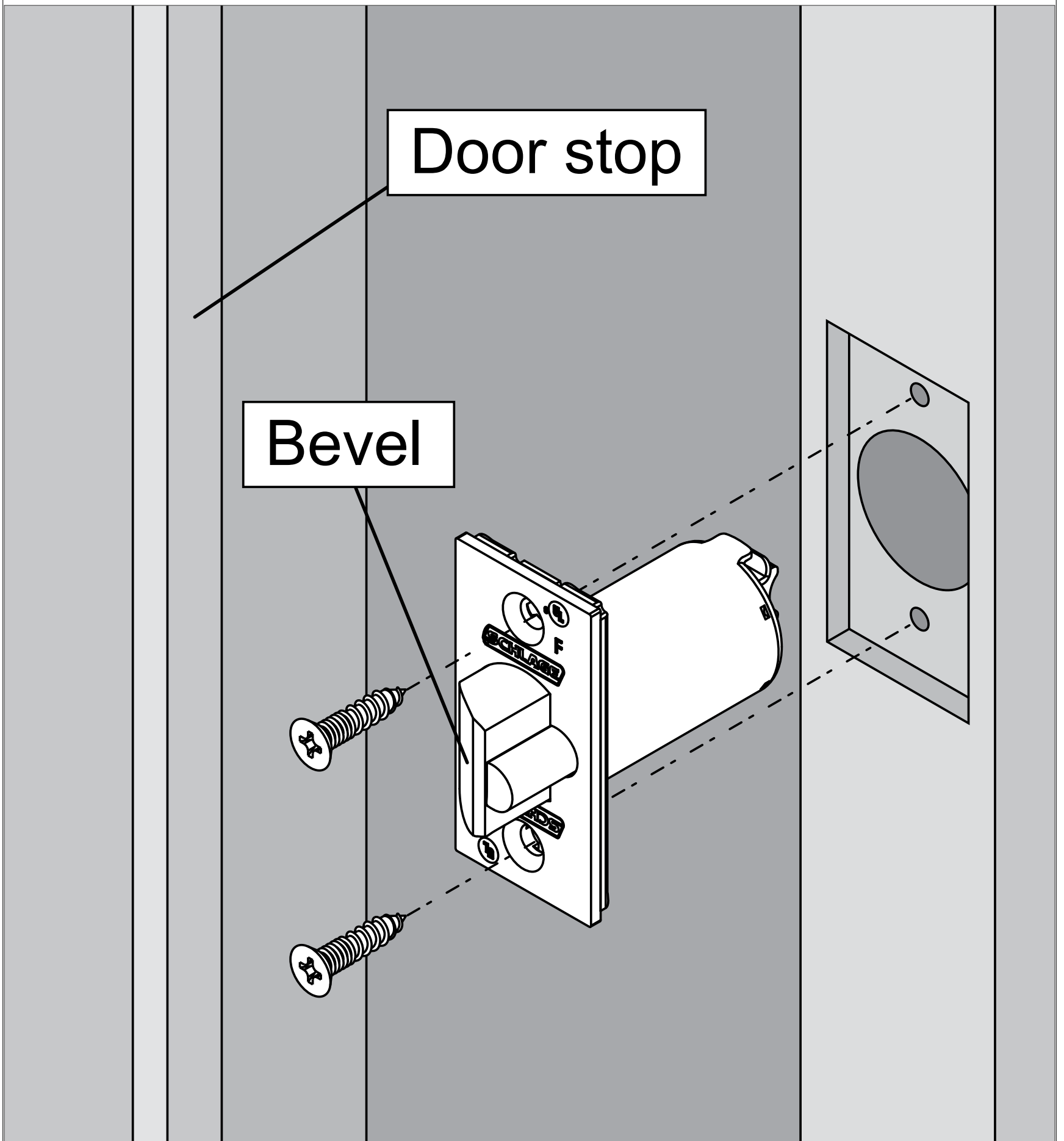
Door Thickness	PN
1 ³ / ₈ ” TO 1 ¹ / ₂ ”	48029970
1 ¹ / ₂ ” TO 1 ⁵ / ₈ ”	48029971
1 ⁵ / ₈ ” TO 1 ¹¹ / ₁₆ ”	48029972



1 Install latch

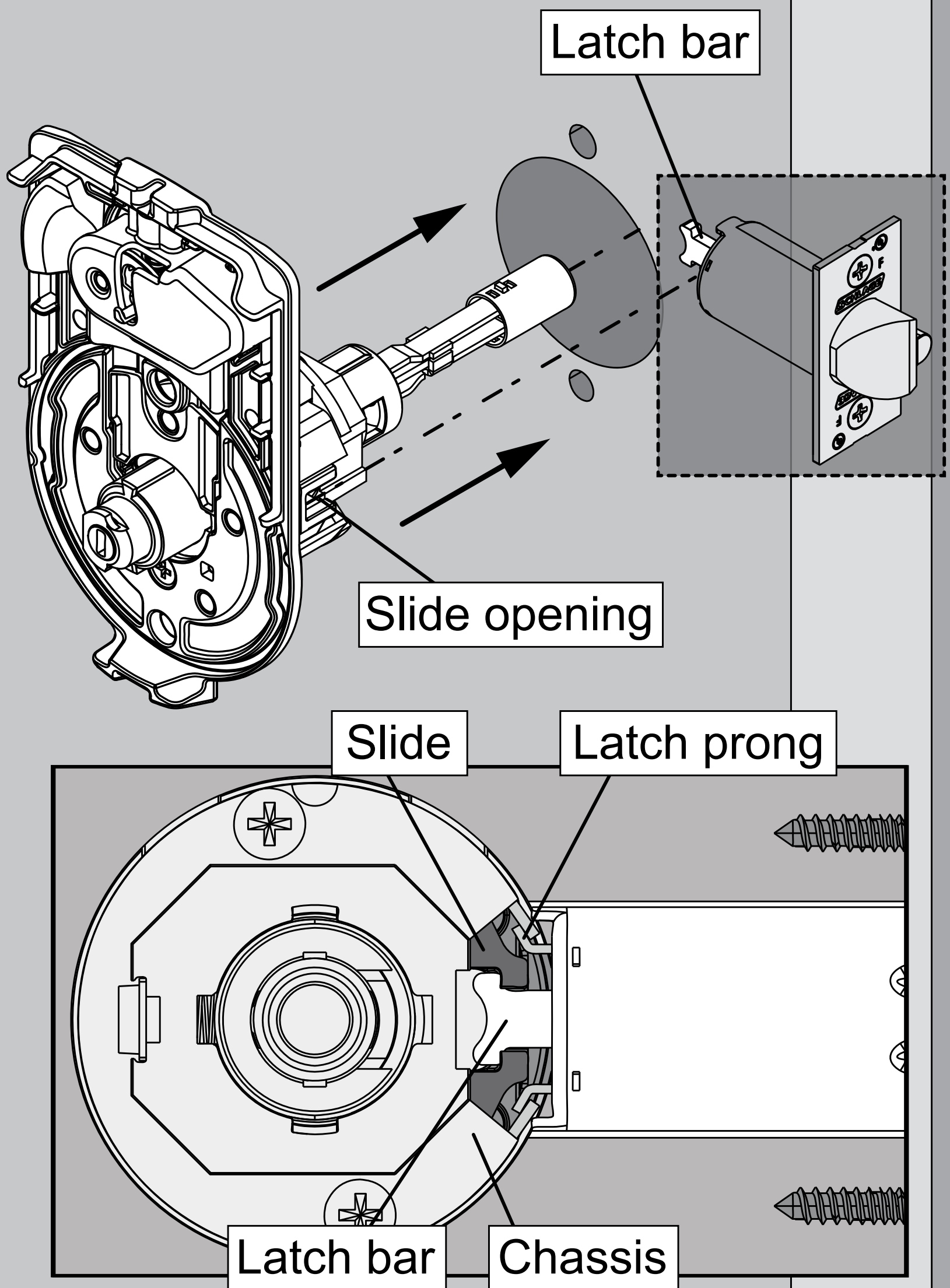
The bevel must face toward the door stop. Tighten the two (2) screws.

① **Note: For installation on unreinforced hollow metal doors, use of door spacer (part number 24483760) is recommended.**



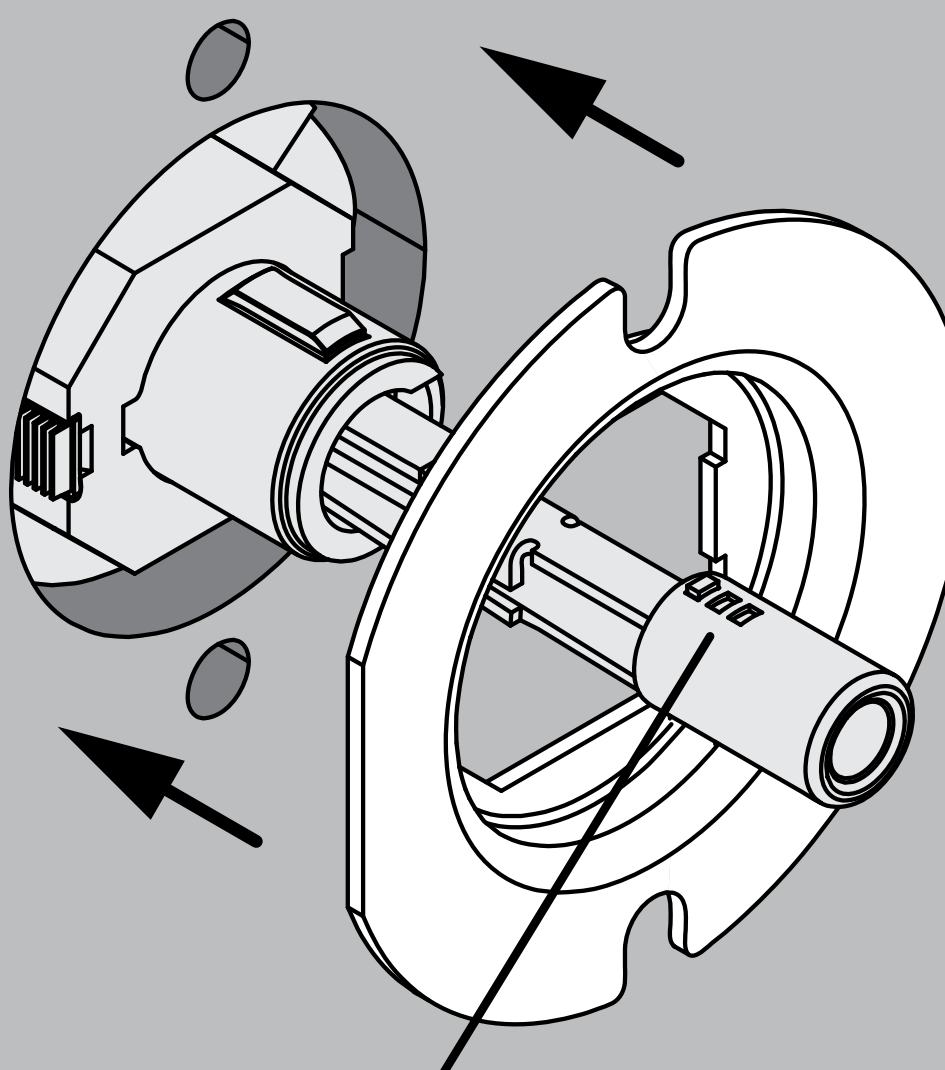
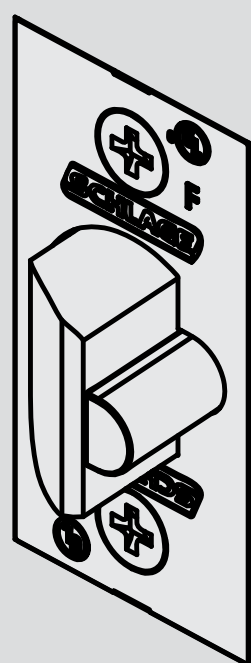
2 Install Indicator & Chassis

Install on **outside** of door with slide opening aligned toward latch. If slide opening does not align with latch, refer to **Chassis Handing** section.

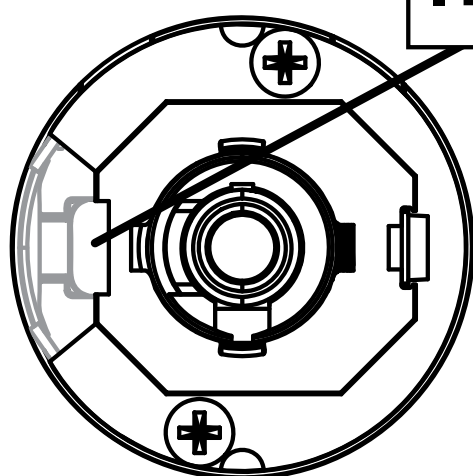


3 Install anti-rotation plate

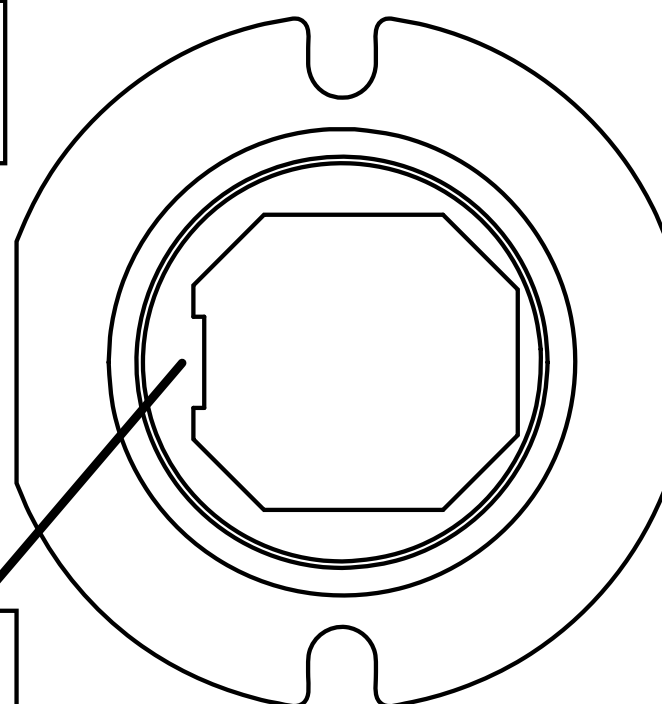
Install on **inside** of door. Note that the inside push button can be adjusted depending on door thickness. The current displayed setting is for a 1-3/4" door. Align the tab with the indent on the hub.



Inside push button



Indent

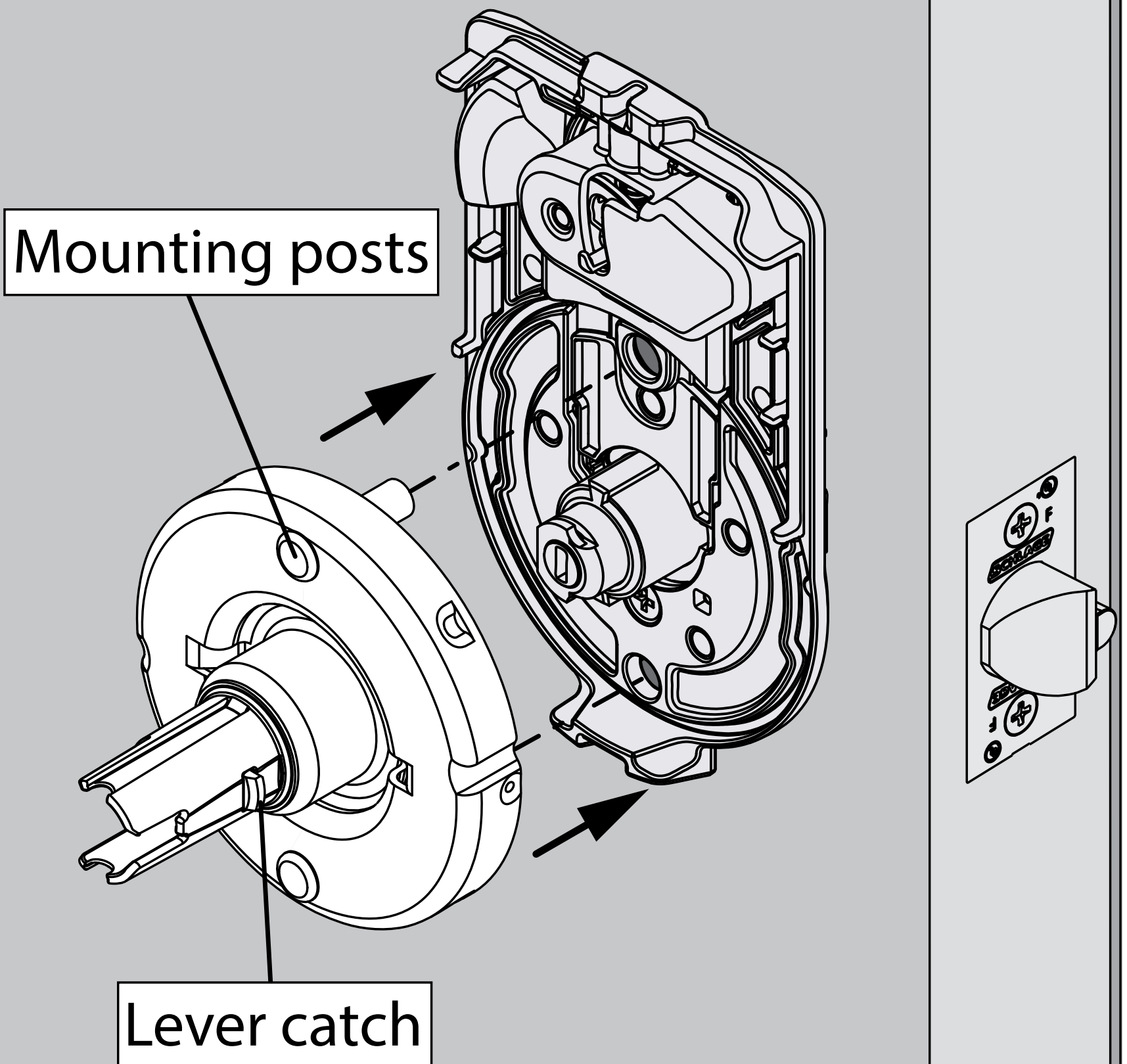


Tab

4 Install outside spring cage assembly

Lever catch faces door edge.

① **Note: The outside spring cage has mounting posts.**



5 Install inside spring cage assembly

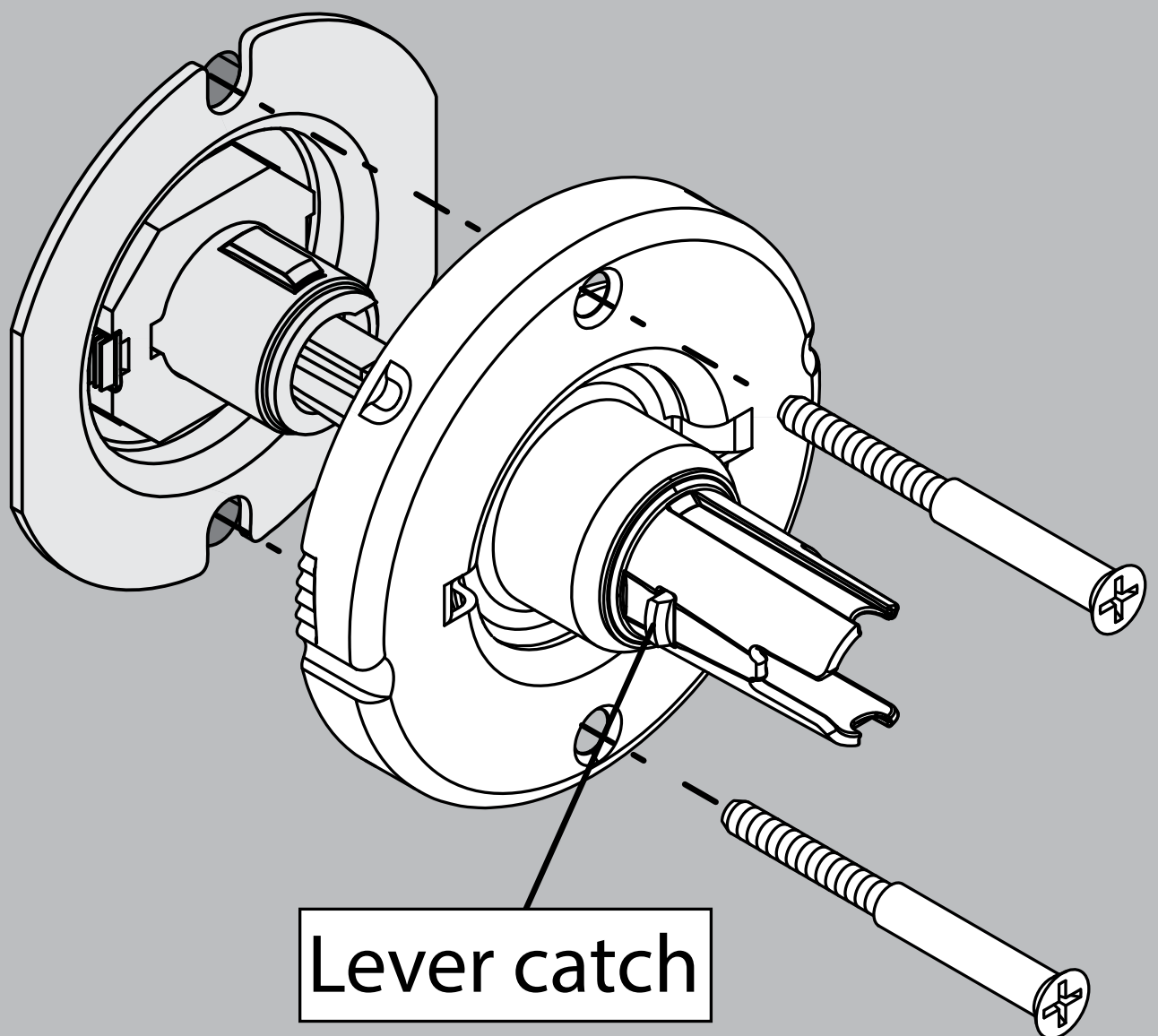
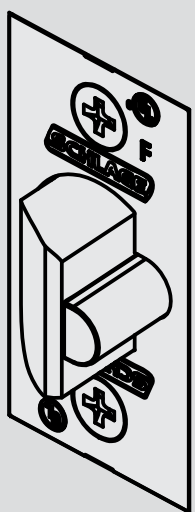
Lever catch faces door edge. Install and tighten two (2) mounting screws.

① Note: The inside spring cage has holes for the screws.

WARNING



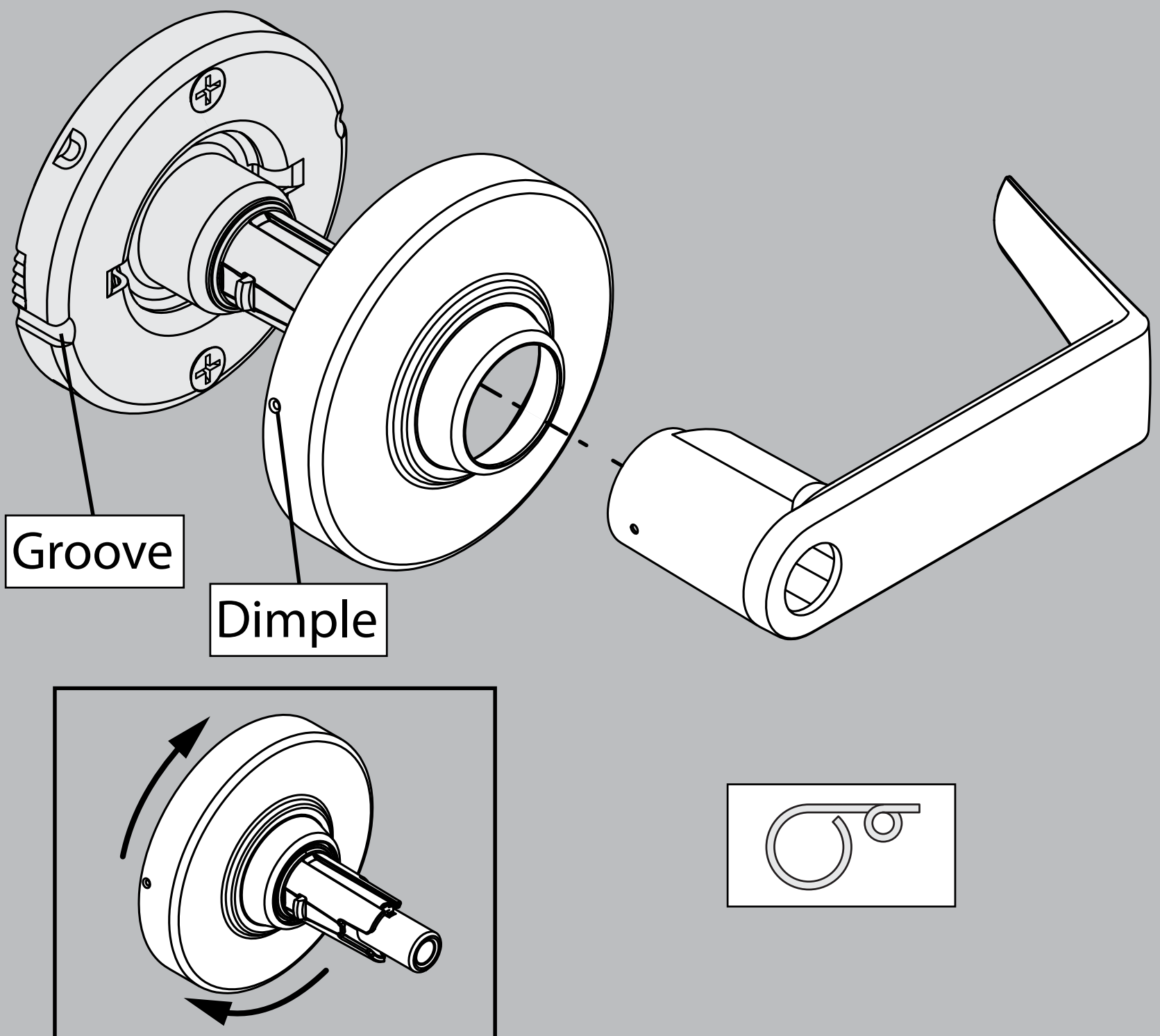
Do not overtighten the mounting screws.



6 Install inside rose & lever

Align dimple and groove. Rotate rose until it stops. Firmly push on lever until lever catch engages.

① Note: The inside lever has a smaller hole than the outside lever.



① Note: A pin wrench may be required to depress the lever catch if mechanism is extra tight.

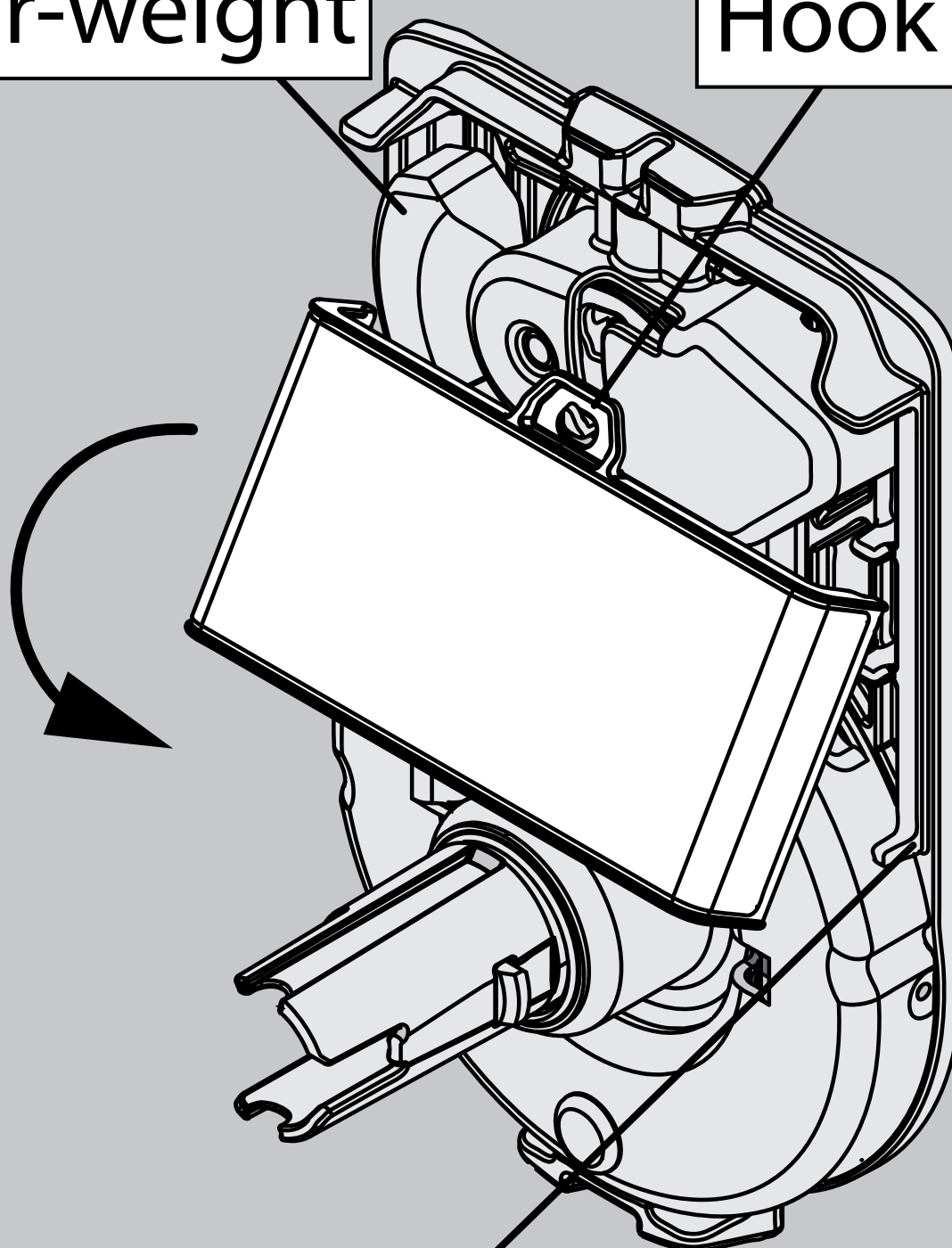
7 Install indicator sign

Place hole in indicator sign over hook on lever and confirm the sign is on housing ledges. Indicator sign will sit on top of the ledges.

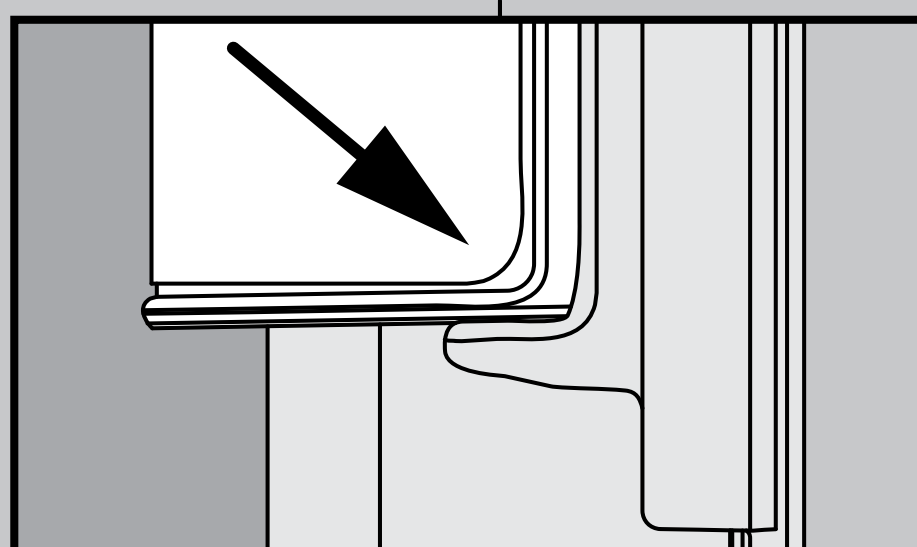
Note: If there is trouble with sign staying on hook, push down on counterweight and hook will move upwards to assist with installation.

Counter-weight

Hook



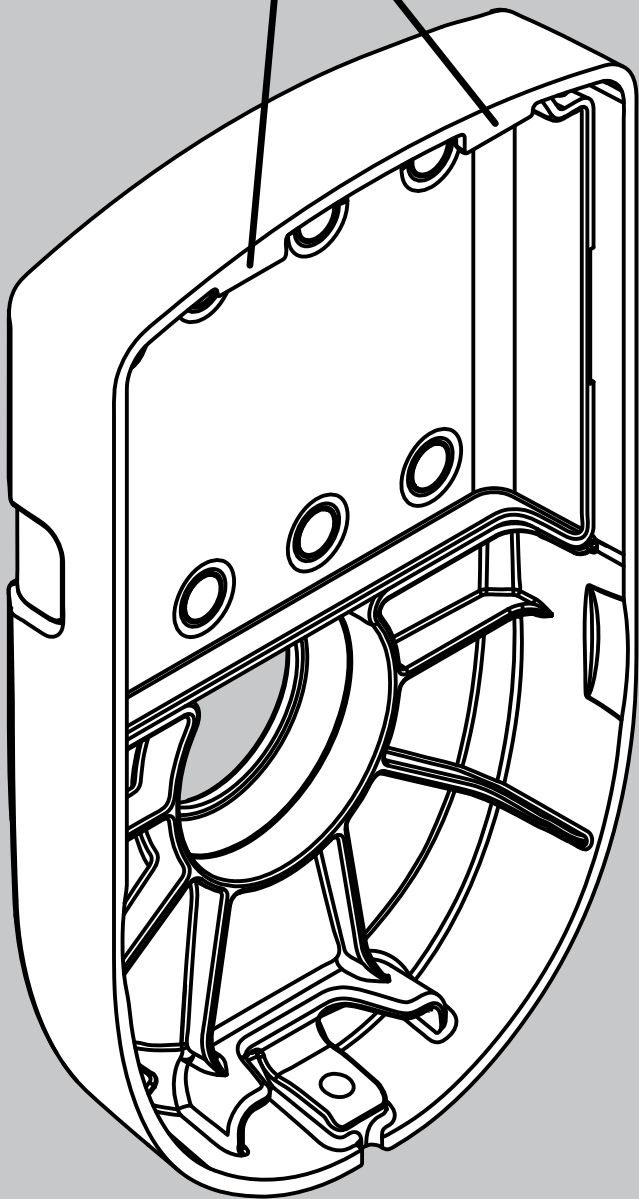
Ledge



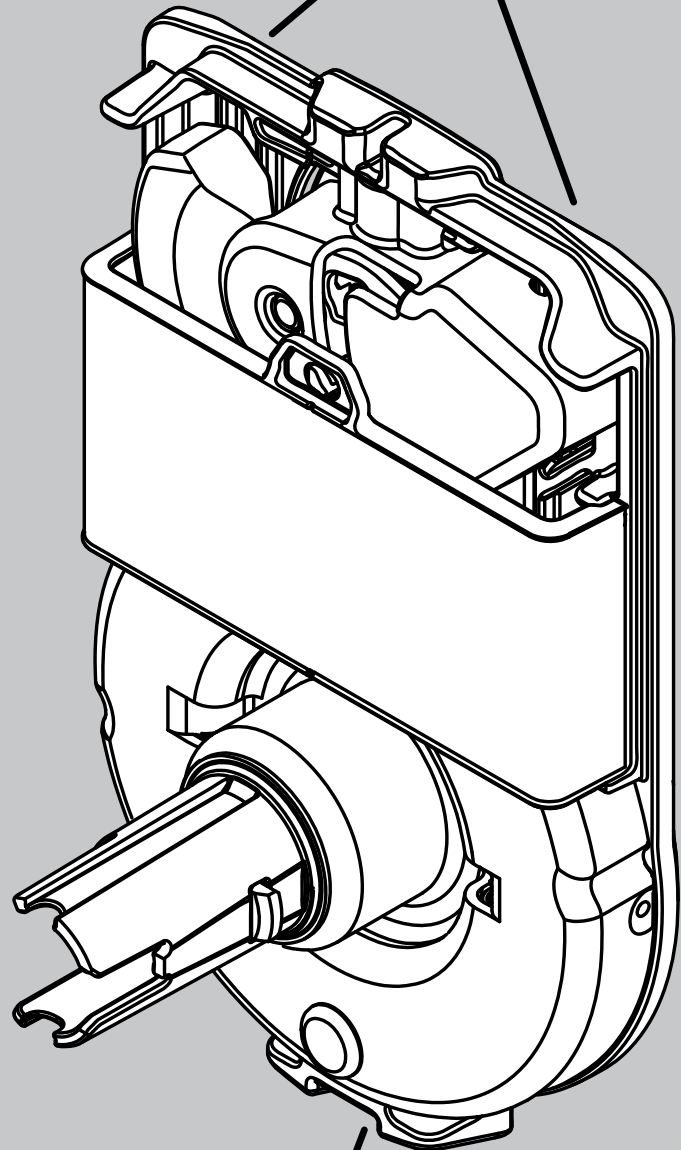
8 Install escutcheon (1 of 2)

Hook escutcheon tabs into baseplate notches.

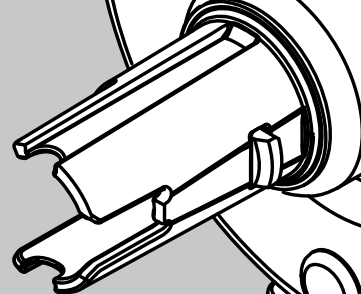
Escutcheon tabs



Baseplate notches

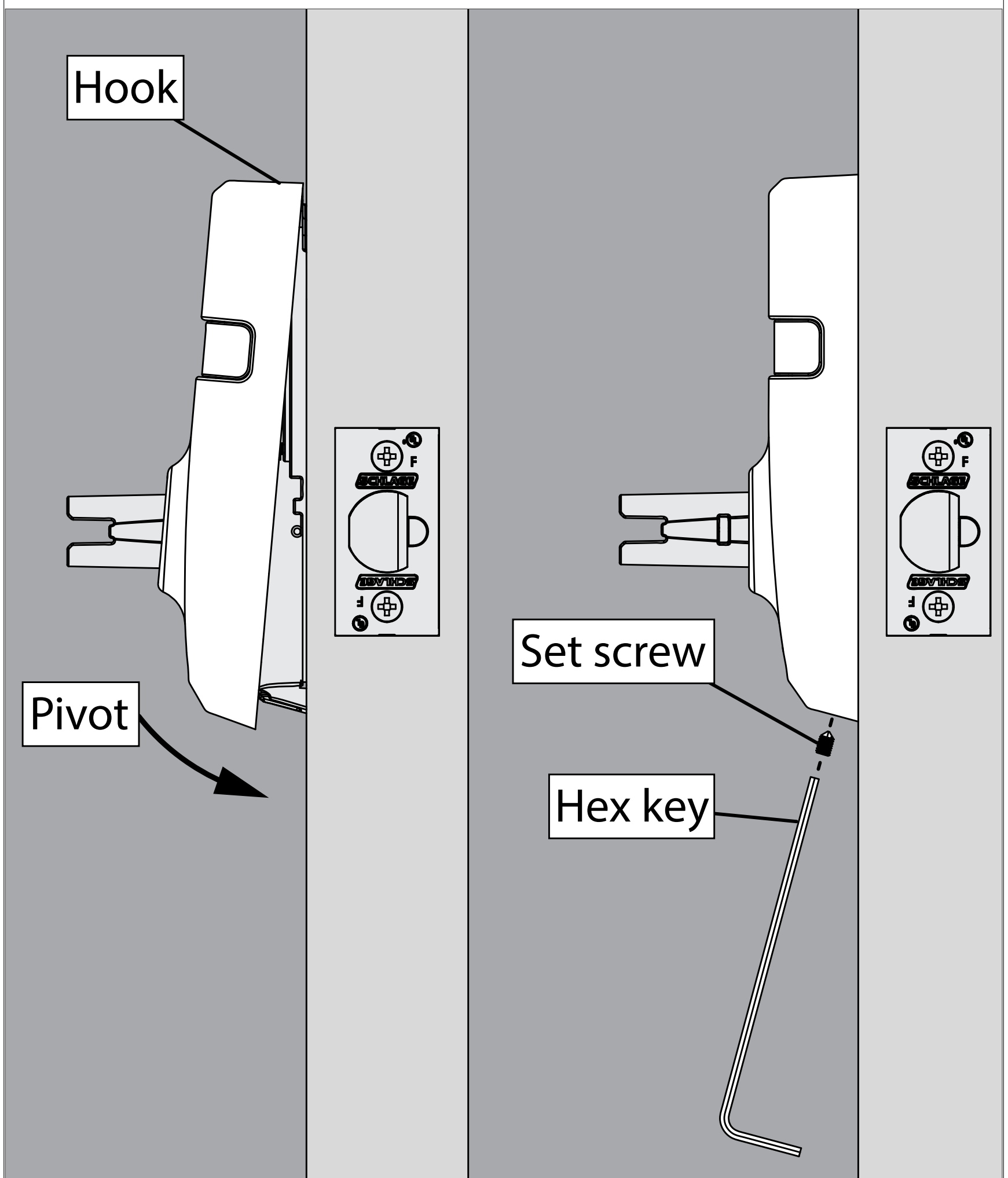


Baseplate slot



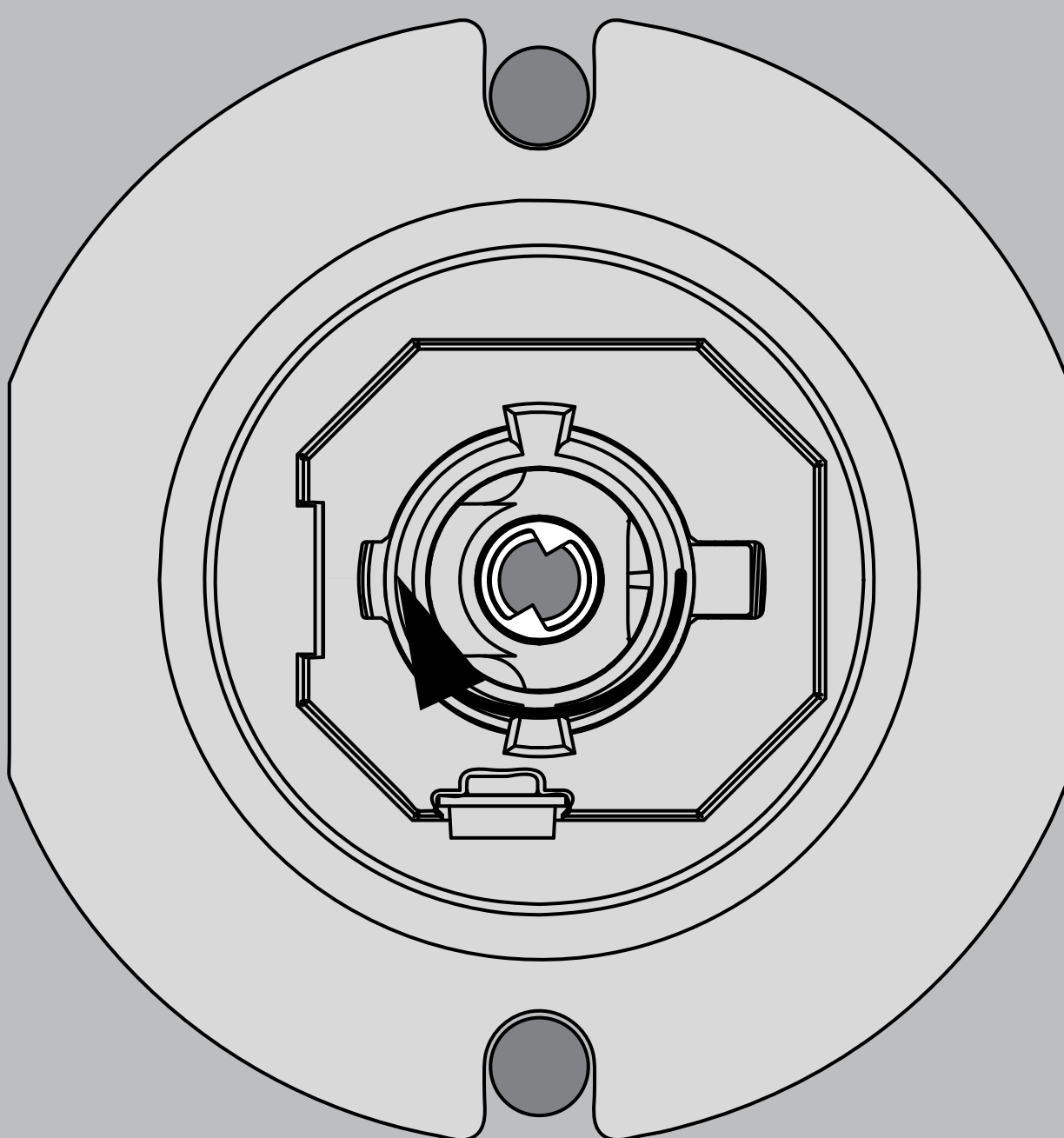
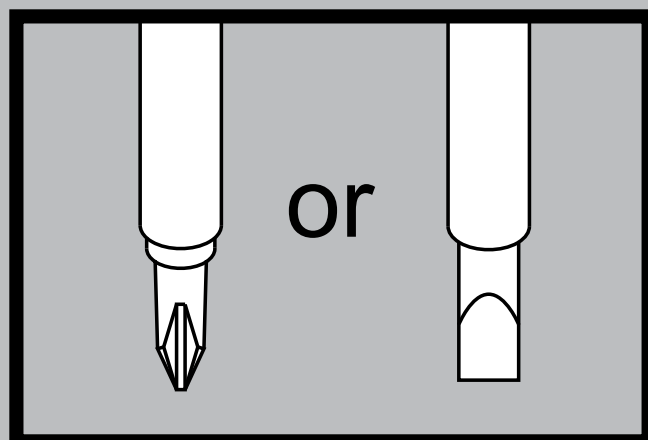
8 Install escutcheon (2 of 2)

Pivot escutcheon against door. Tighten one (1) set screw into baseplate slot with hex key.



9 Adjust the cam position (50/52/53/55 Only)

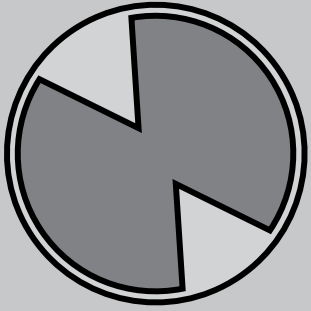
Insert screwdriver into keycam and rotate **clockwise** until it stops.



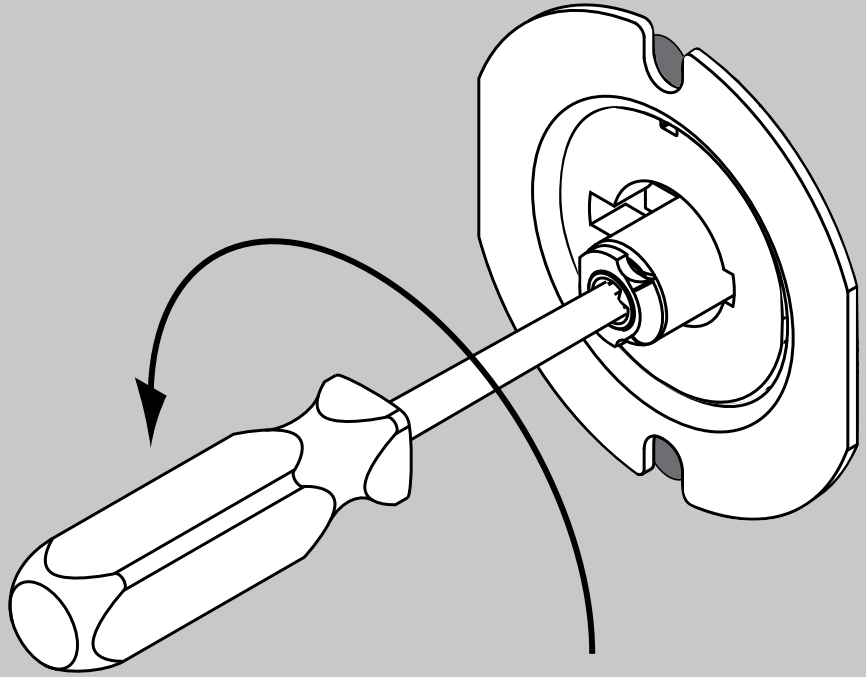
Correct cam position

9 Adjust the cam position (73 Only)

A. From **OUTSIDE**, rotate key cam **CCW** until it stops.

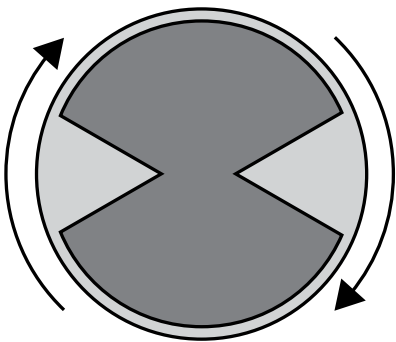


(approx.
position after
CCW rotation)

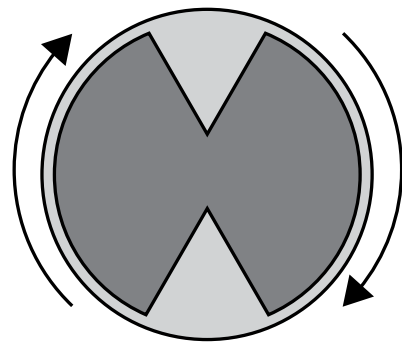


B. Now, from **OUTSIDE**, rotate key cam **CW** to:

**Conventional
Cylinder**



**Interchangeable Core
Cylinder**



10 Assemble outside trim (1 of 2)

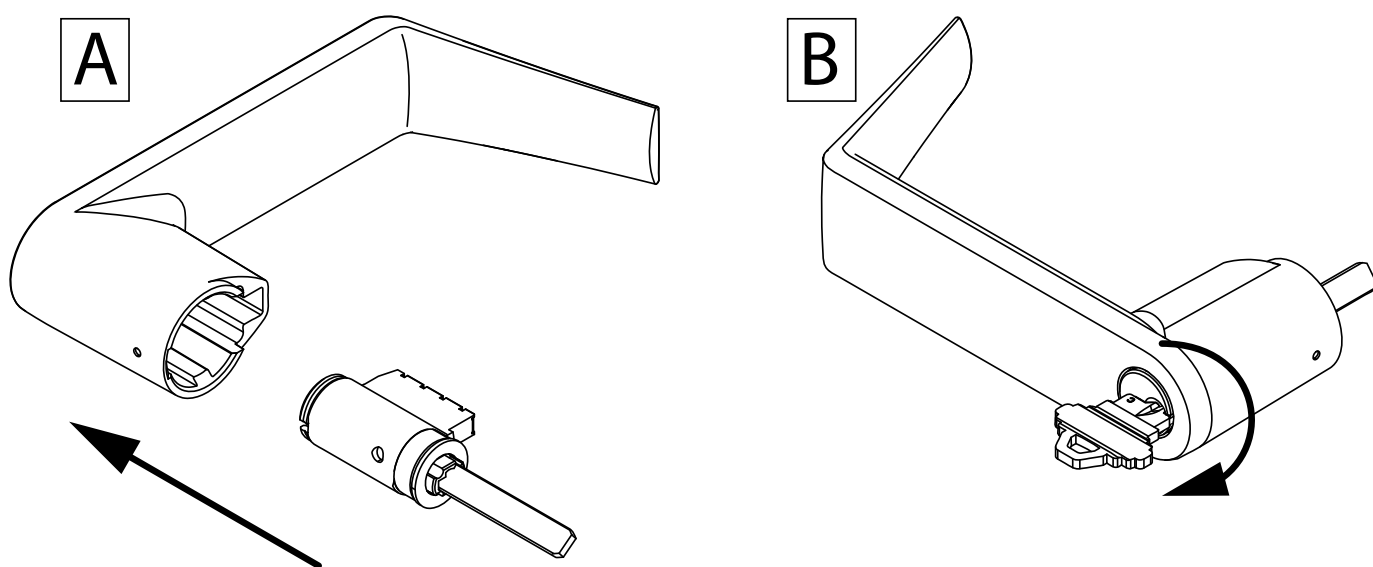
If not pre-assembled, snap the outside rose onto the outside spring cage and engage dimples.

① **Note that the outside spring cage is the one with the mounting posts.**

A. **(KIL Cylinder Only)** Place the cylinder assembly into the lever.

① **Note: The outside lever has a larger hole than the interior lever.**

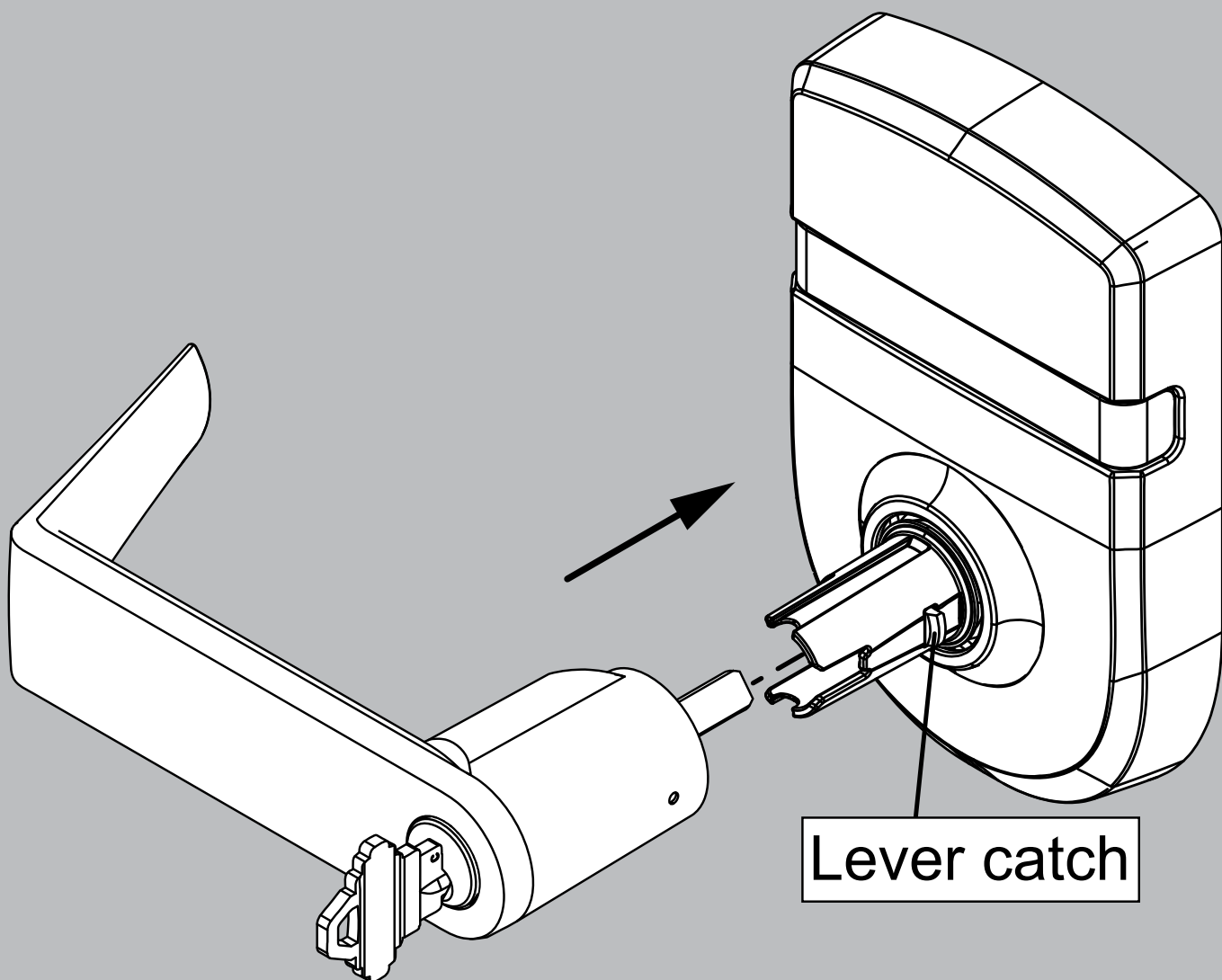
B. Insert key and rotate 90° clockwise.



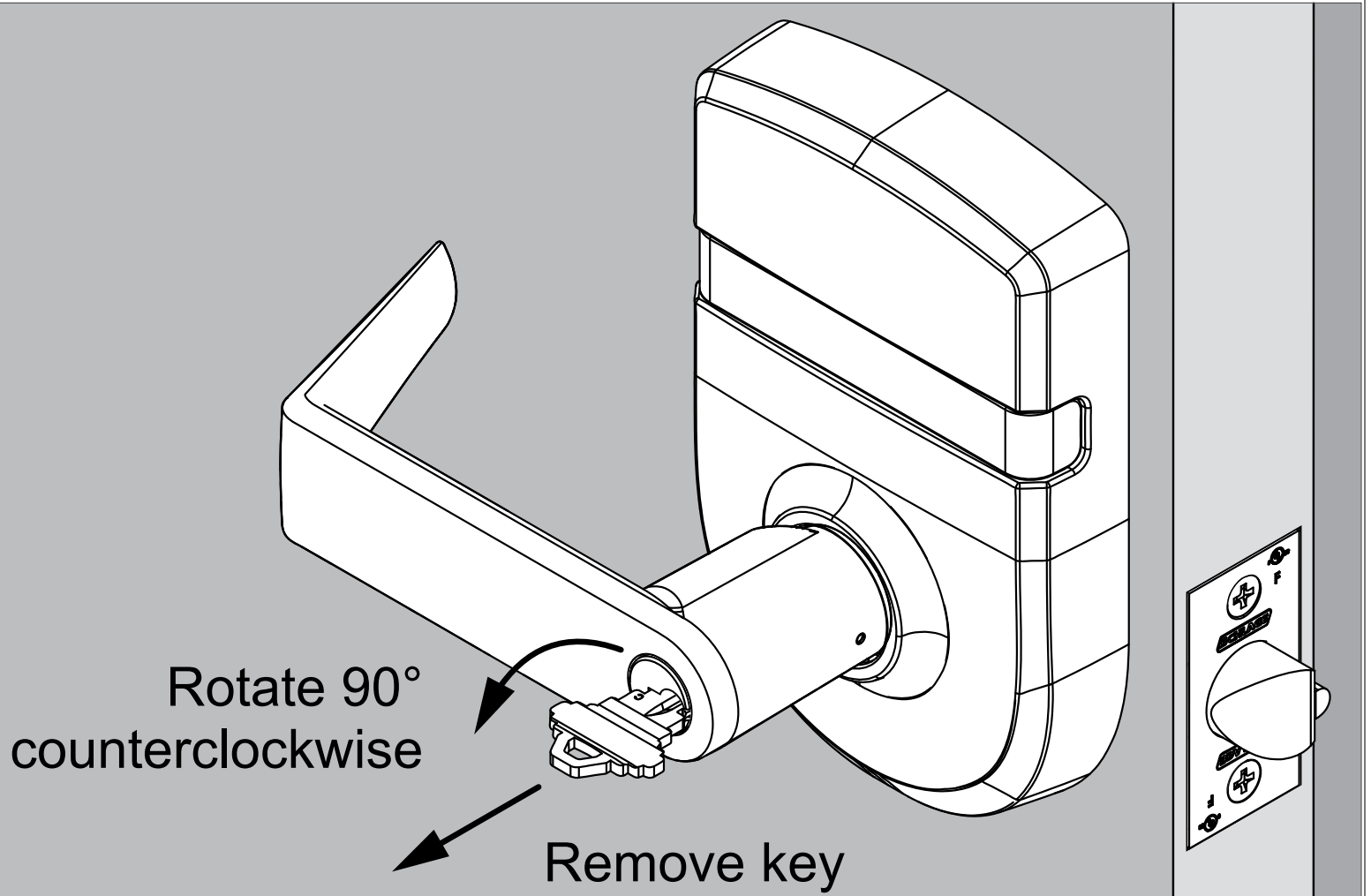
10 Assemble outside trim (2 of 2)

C. With key still rotated 90° clockwise, push outside lever onto the spindle.

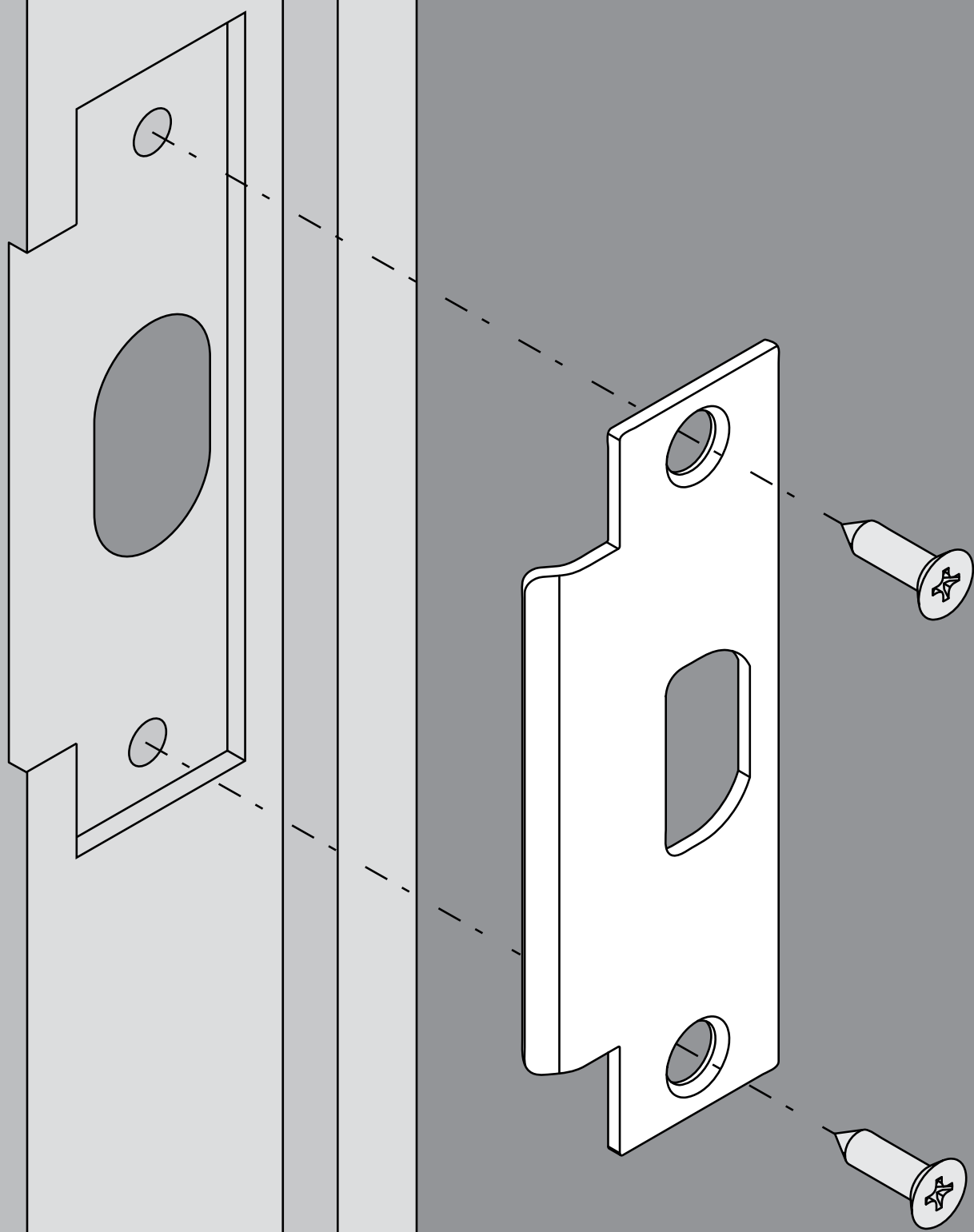
Be sure to engage the lever catch.



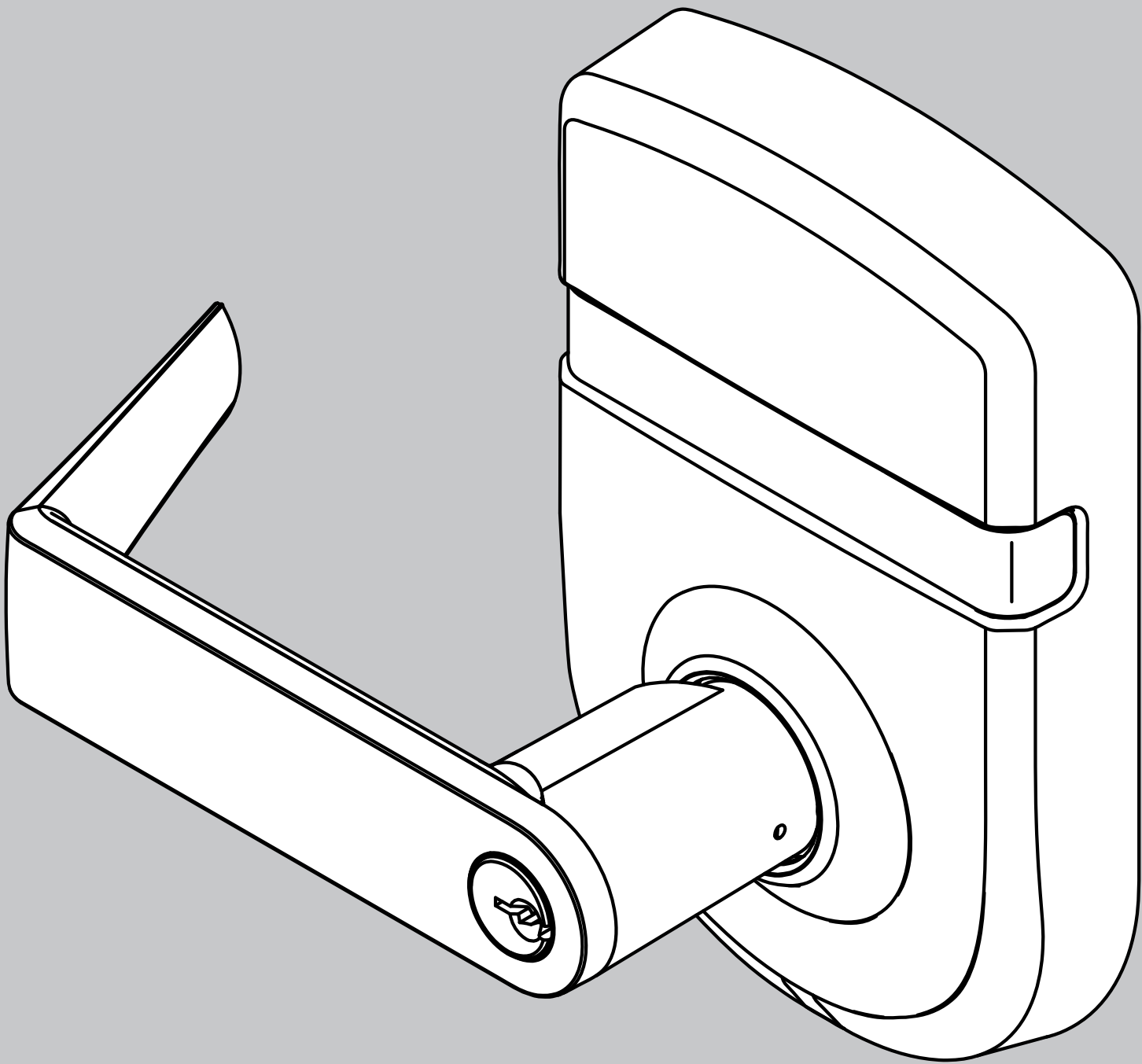
D. Rotate the key counterclockwise back to the starting position and remove the key.



11 Install strike



12 Complete



Continue to next page to check lock function.

Checking lock function (ND50/52)

1. Push the inside button to lock the outside lever.

Check that the outside lever is locked and that the Indicator sign raises to read “**Locked.**”

2. Rotate the inside lever either direction to release the button and unlock the outside lever.

Check that the outside lever is unlocked and the Indicator sign lowers to read “**Unlocked.**”

3. Push the inside push button to relock the outside lever.

Check that the outside lever is locked and that the Indicator sign raises to read “**Locked.**”

4. Insert and rotate the key either direction in the outside lever to release the inside button.

Check that the outside lever is unlocked and the indicator sign lowers to read “**Unlocked**”.

5. Push the inside button to relock the outside lever.

Check that the outside lever is locked and that the indicator sign raises to read “**Locked**”.

6. **(ND50 only)** Depress the latch to the faceplate.

Check that outside lever remains locked and the indicator sign remains in the “**Locked**” position.

(ND52 only) Depress the latch to the faceplate to release the inside button.

Check that the outside lever is unlocked and the indicator sign lowers to read “**Unlocked**”.

7. The inside lever should always be unlocked and rotate freely.

Checking lock function (ND53/55) (1 of 2)

1. Push the inside button to lock the outside lever.

Check that the outside lever is locked and that the Indicator sign raises to read “**Locked.**”

2. Rotate the inside lever either direction to release the button and unlock the outside lever.

Check that the outside lever is unlocked and the Indicator sign lowers to read “**Unlocked.**”

3. Push the inside push button to relock the outside lever. Rotate the inside button 90 degrees clockwise.

Check that the outside lever is locked and that the Indicator sign raises to read “**Locked.**”

4. Insert and rotate the key either direction in the outside lever to retract the latch.

Check that the outside lever is unlocked and the indicator sign remains in the “**Locked**” position.

5. Rotate the inside button back 90 degrees counterclockwise. Insert and rotate the key in the outside lever to release the inside button.

Check that the outside lever is unlocked and the indicator sign lowers to read “**Unlocked**”.

6. Push the inside button to relock the outside lever.

Check that the outside lever is locked and that the indicator sign raises to read “**Locked**”.

Checking lock function (ND53/55) (2 of 2)

7. **(ND53 only)** Depress the latch to the faceplate.

Check that outside lever remains locked and the indicator sign remains in the “**Locked**” position.

(ND55 only) Depress the latch to the faceplate to release the inside button.

Check that the outside lever is unlocked and the indicator sign lowers to read “**Unlocked**”.

8. The inside lever should always be unlocked and rotate freely.

Checking lock function (ND73) (1 of 2)

1. Push the inside button to lock the outside lever.

Check that the outside lever is locked and the indicator sign raises to read “**Locked**”.

2. Rotate the inside lever either direction to release the button and unlock the outside lever.

Check that the outside lever is unlocked and the indicator sign lowers to read “**Unlocked**”.

3. Push the inside button to relock the outside lever.

Check that the outside lever is locked and that the indicator sign raises to read “**Locked**”.

4. Insert and rotate the key clockwise 45 degrees in the outside lever to release the inside button.

Check that the indicator sign lowers to read “**Unlocked**”.

5. Rotate the key 360 degrees counterclockwise in the outside lever to relock the outside lever.

Check that the outside lever is locked and that the indicator sign raises to read “**Locked**”.

6. Rotate the key 360 degrees clockwise in the outside lever to unlock the outside lever.

Check that the indicator sign lowers to read “**Unlocked**”.

Checking lock function (ND73) (2 of 2)

7. Depress the latch to the faceplate to release the inside button.

Check that the indicator sign lowers to read “**Unlocked**”.

8. Push the inside button to relock the outside lever.

Check that the outside lever is locked and that the indicator sign raises to read “**Locked**”.

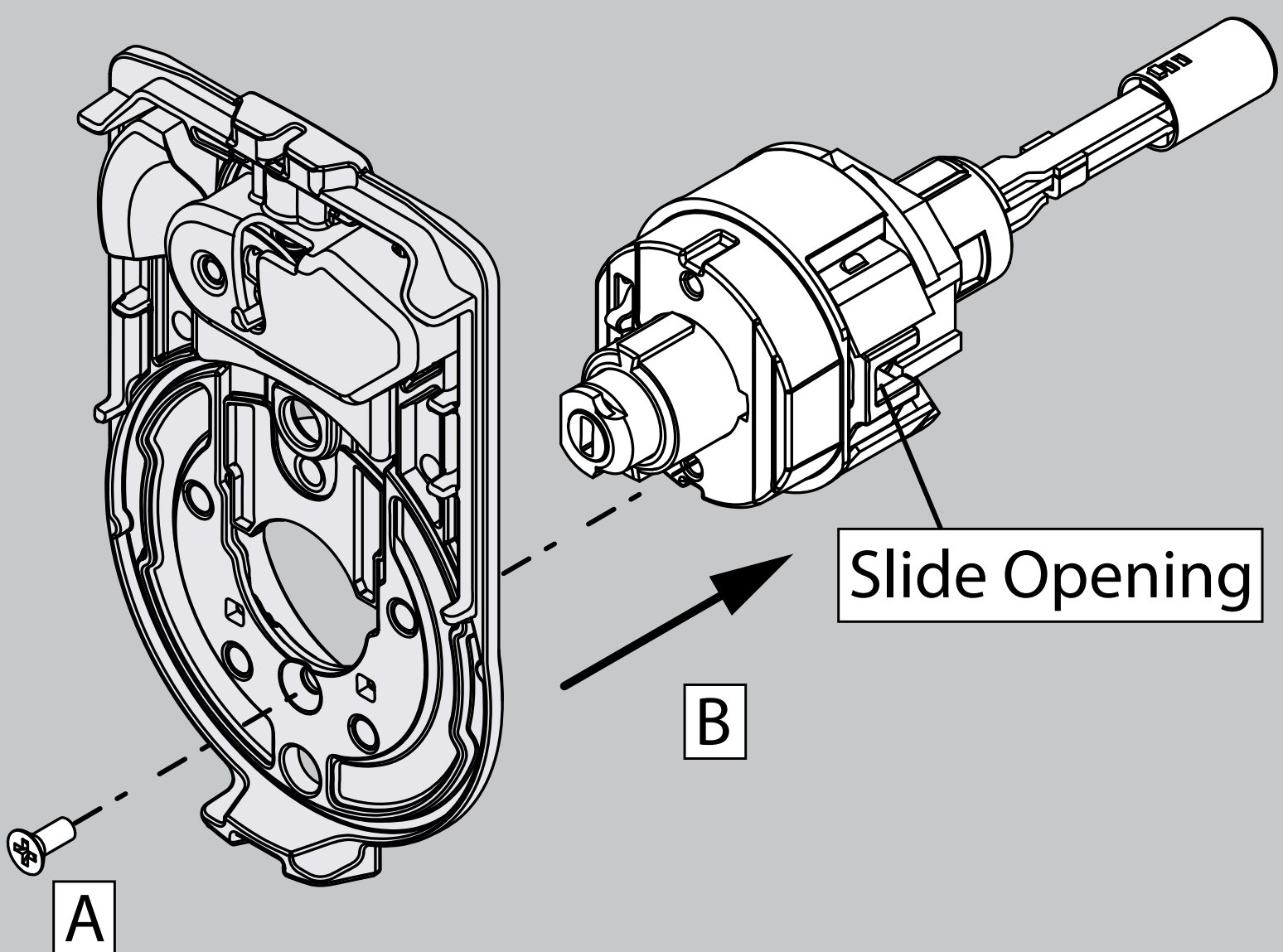
9. The inside lever should always be unlocked and rotate freely.

Chassis Handing (1 of 3)

① **Complete this step only if the slide opening does not align with the latch.**

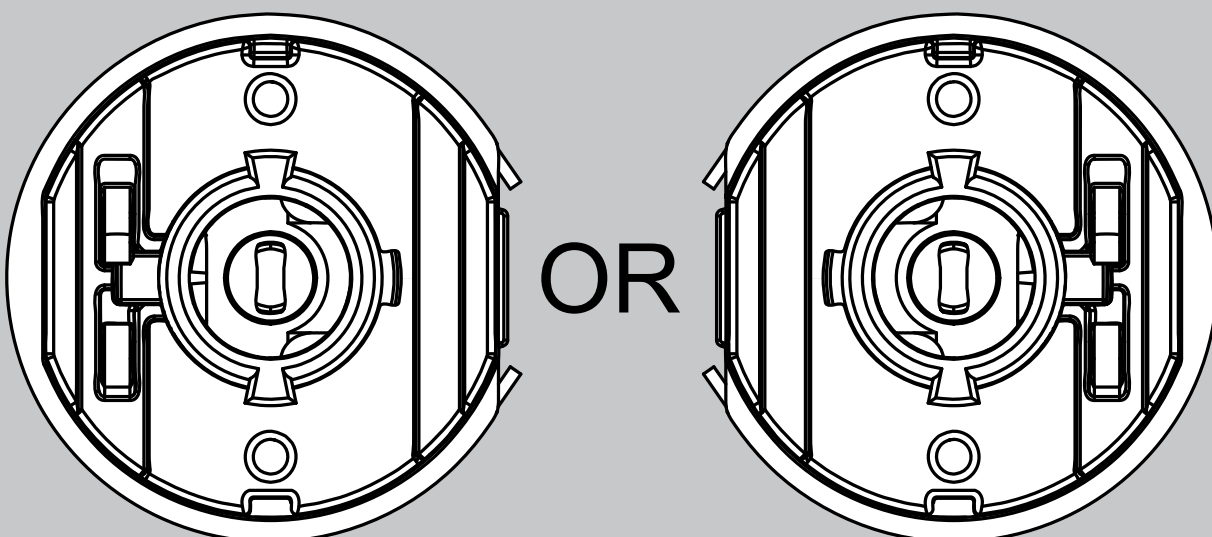
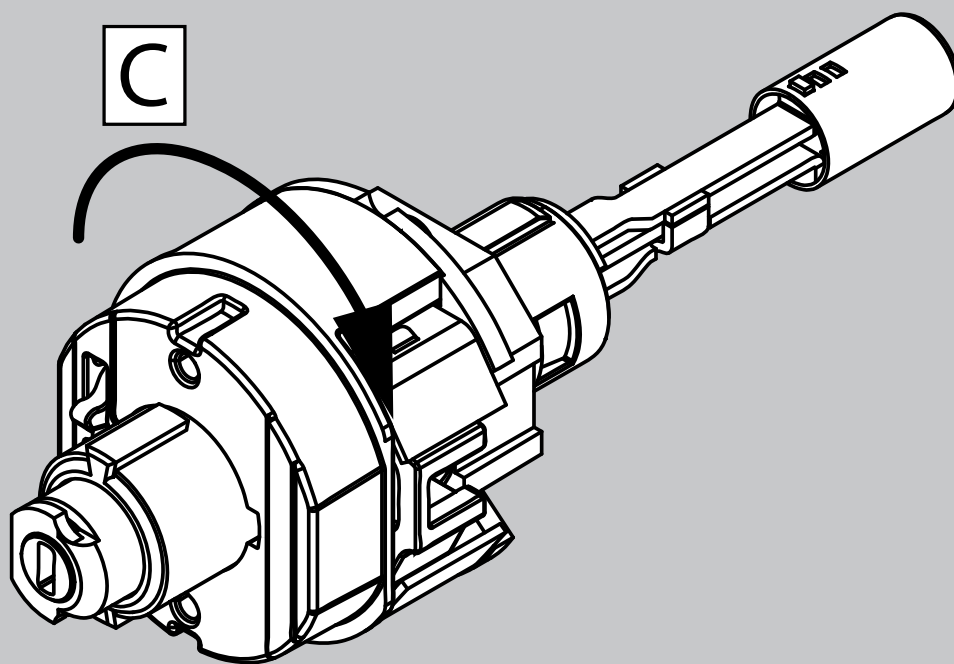
A Use Phillips screwdriver to loosen and remove screw.

B Separate the indicator assembly from the lock chassis.

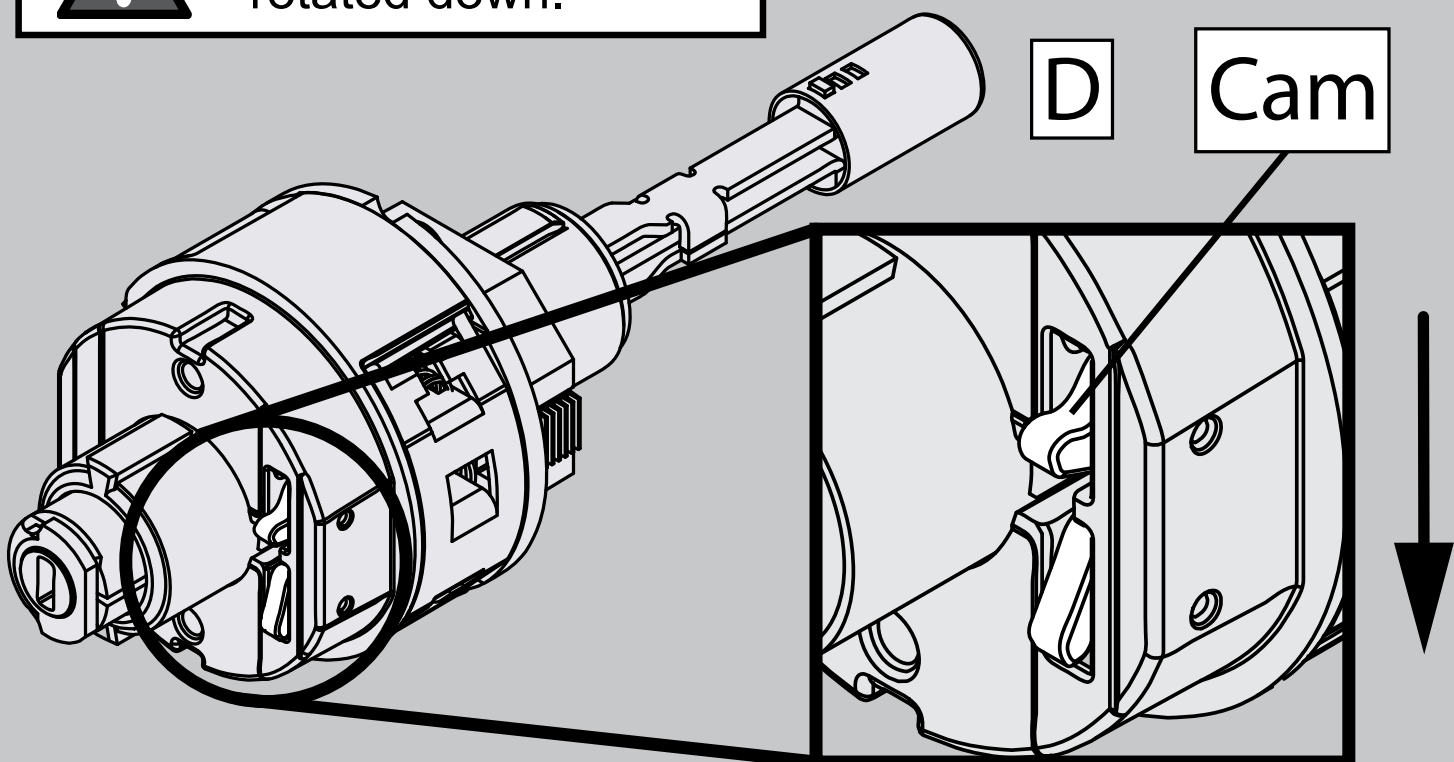


Chassis Handing (2 of 3)

- C Rotate Chassis 180° to align slide opening towards latch.
- D Rotate both cams downwards. Chassis must be unlocked in order to rotate upper cam.



The cams **MUST** be rotated down.



Chassis Handing (3 of 3)

- E Reassemble chassis and indicator assembly. Tighten one (1) screw.
- F Confirm that the upper cam is engaged with the slider and lower cam is engaged in rectangular hole.

