



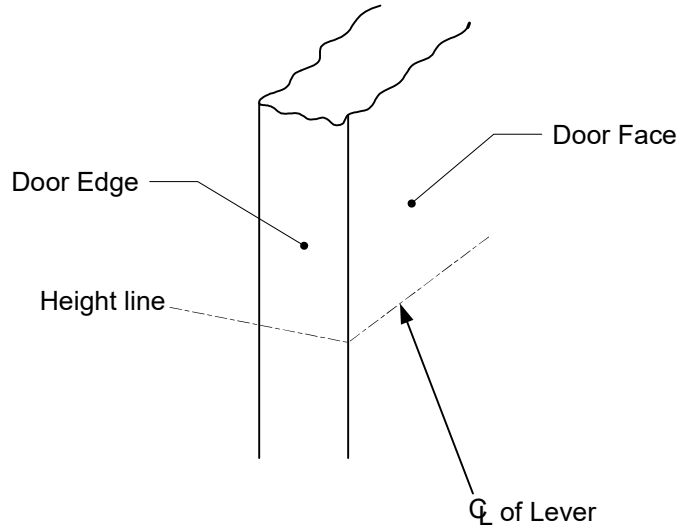
INSTALLATION INSTRUCTIONS

Z7600 SERIES

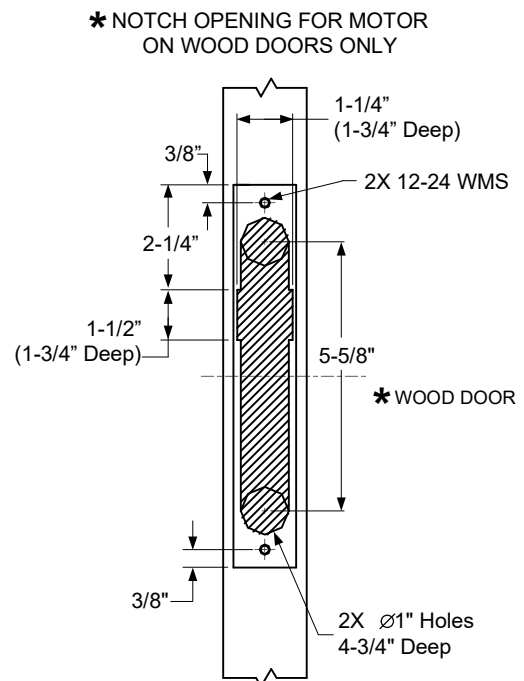
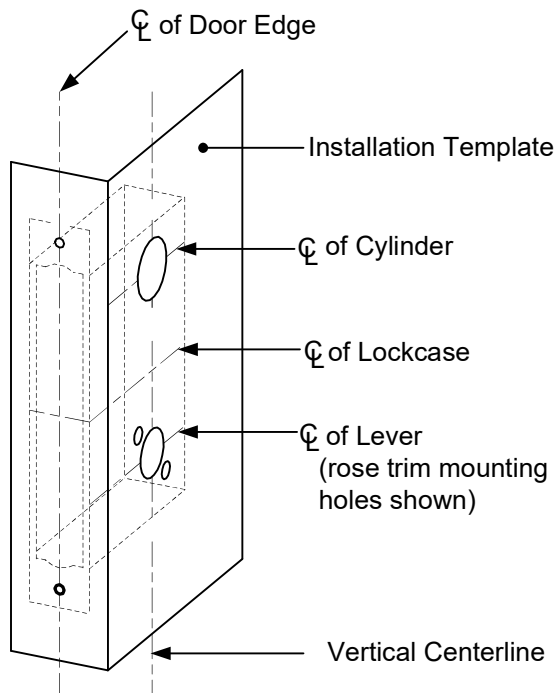
MOTORIZED LATCH RETRACTION CONTROLLED MORTISE LOCKSET

A. Door Preparation:

1. Measure desired height from finished floor and mark a horizontal line on door face and door edge.



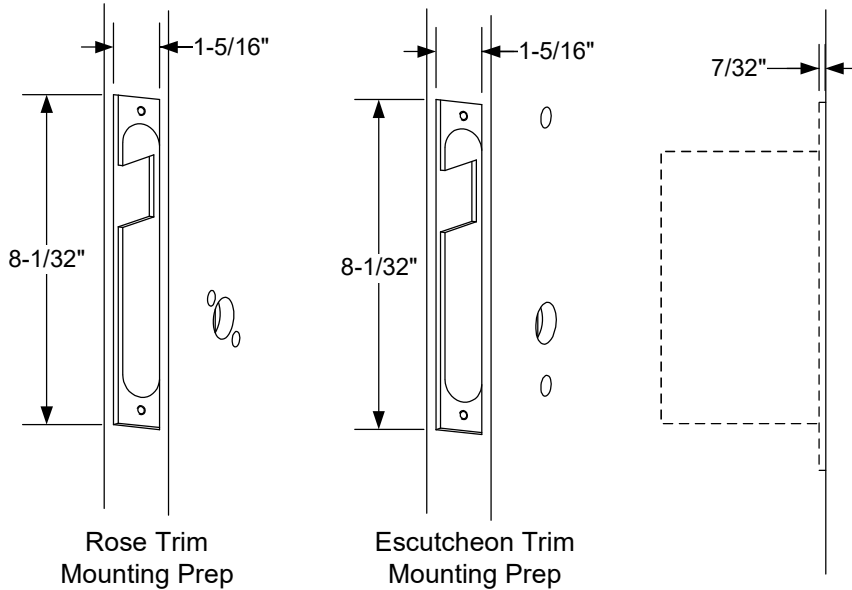
2. Place template on edge of door as shown and align lever centerline with marked height line on door. Check the chart for drilling trim holes on template and only mark holes for lock function being installed.



Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdsecurity.com

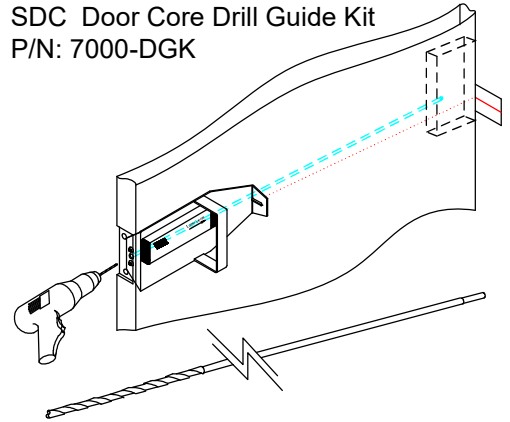
A. Door Preparation (Continued)

- Mortise door edge according to measurements on installation template and drill proper holes for trim. Dimensions for face plate recess: L 8-1/32" x W 1-5/16" x D 7/32".



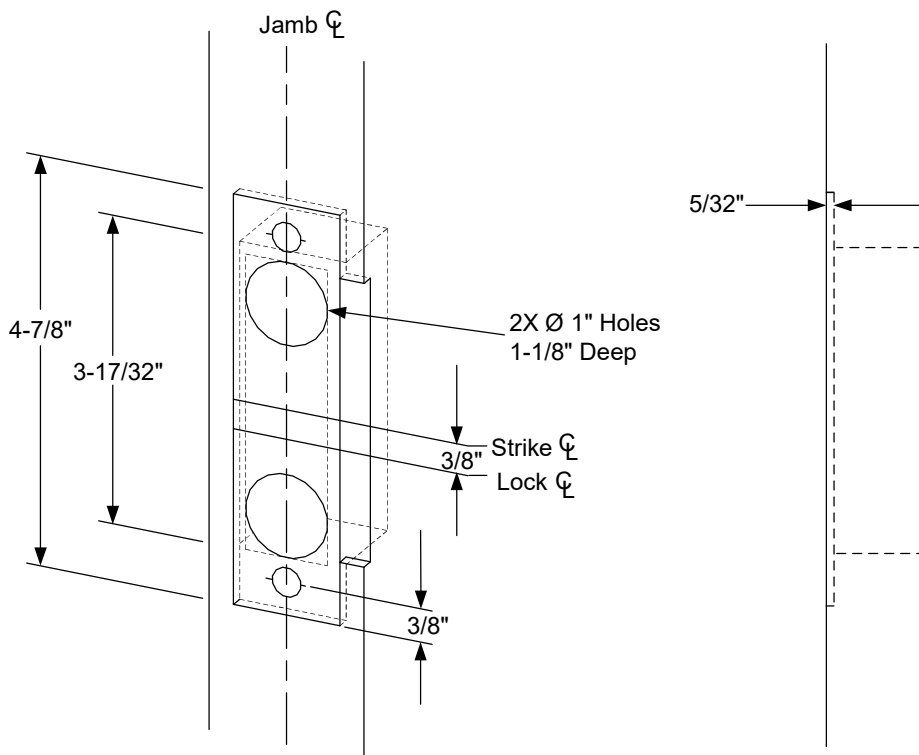
Wire Raceway suggested for wood doors.

Optional:
SDC Door Core Drill Guide Kit
P/N: 7000-DGK



B. Strike & Dust Box Installation:

- Align strike template on jamb. Be sure to keep 3/8" distance between lock centerline and strike centerline. Recess 5/32" for flush fit of strike and dust box.
- Mortise jamb according to supplied strike template. Then fit strike and dust box into frame and secure into place with supplied screws.

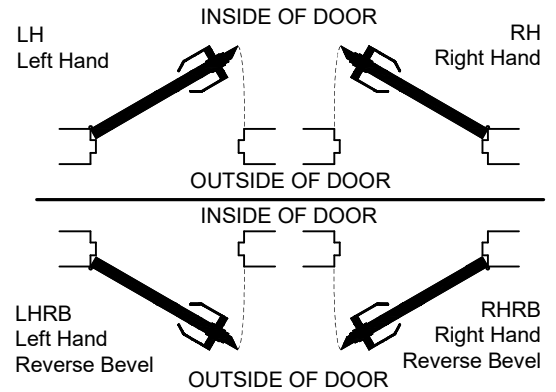


C. Install Lockcase

1. Verify Handing

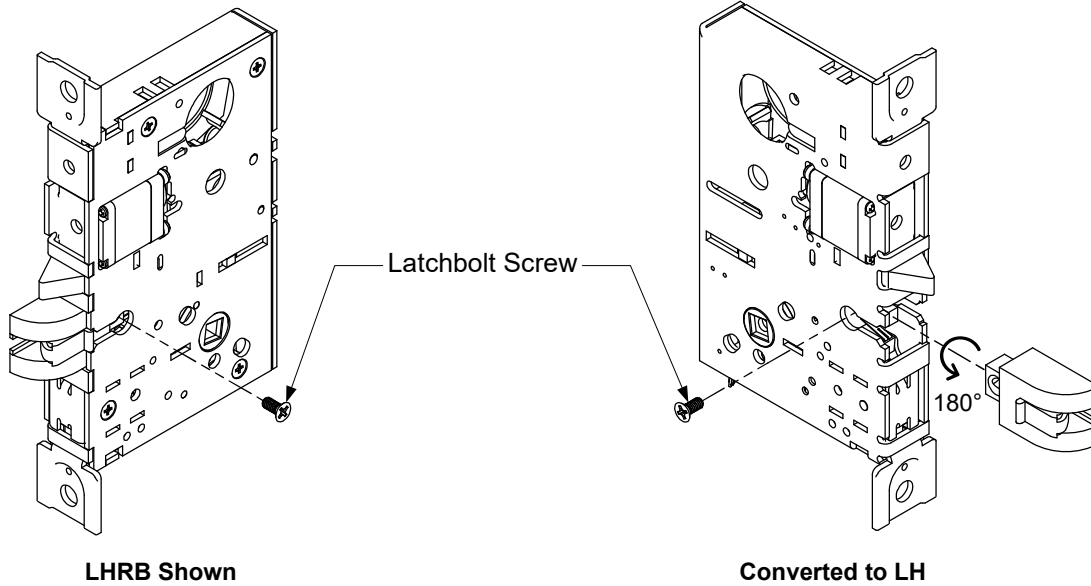
Make sure the lock hand matches the door hand, use the following diagram to determine the hand of door.

If the latchbolt handing doesn't match the required handing, follow step **1a**. If the locked side is on the wrong side, follow step **1b**. If both latchbolt and locked side do not match the required handing, follow both steps **1a** and **1b**.



1a. Change Latchbolt Handing

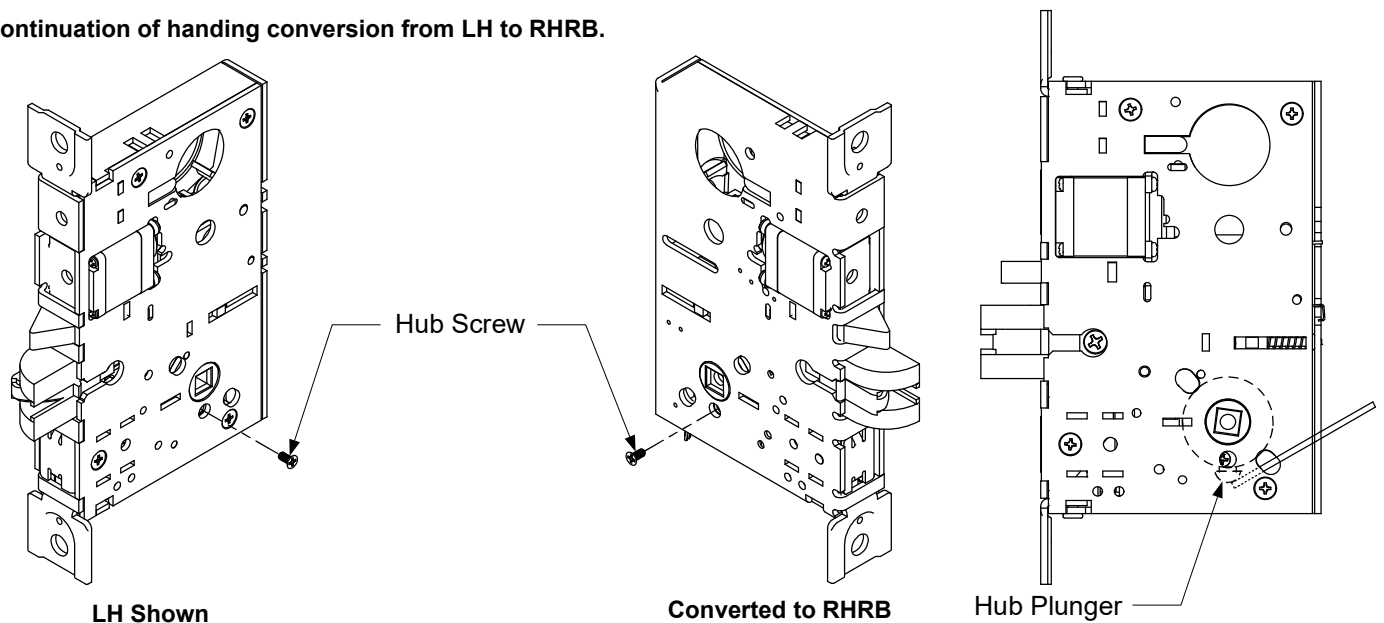
Remove the latchbolt screw and pull the latchbolt out from lock case. Turn the latchbolt 180° to change the handing. Position latchbolt back into case and re-fasten latchbolt screw to opposite side.



1b. Change Locked Side Handing

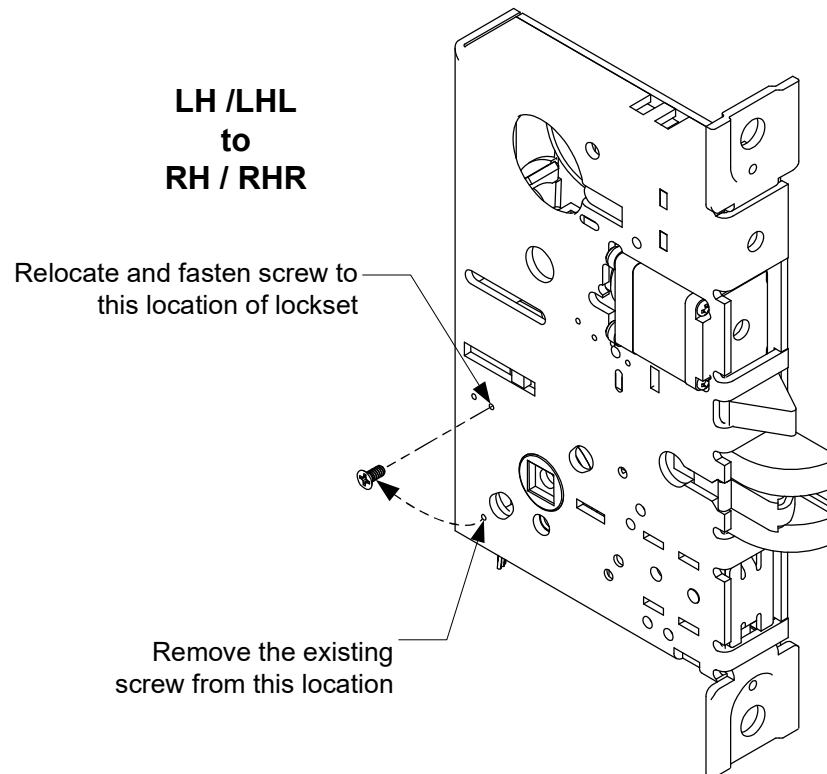
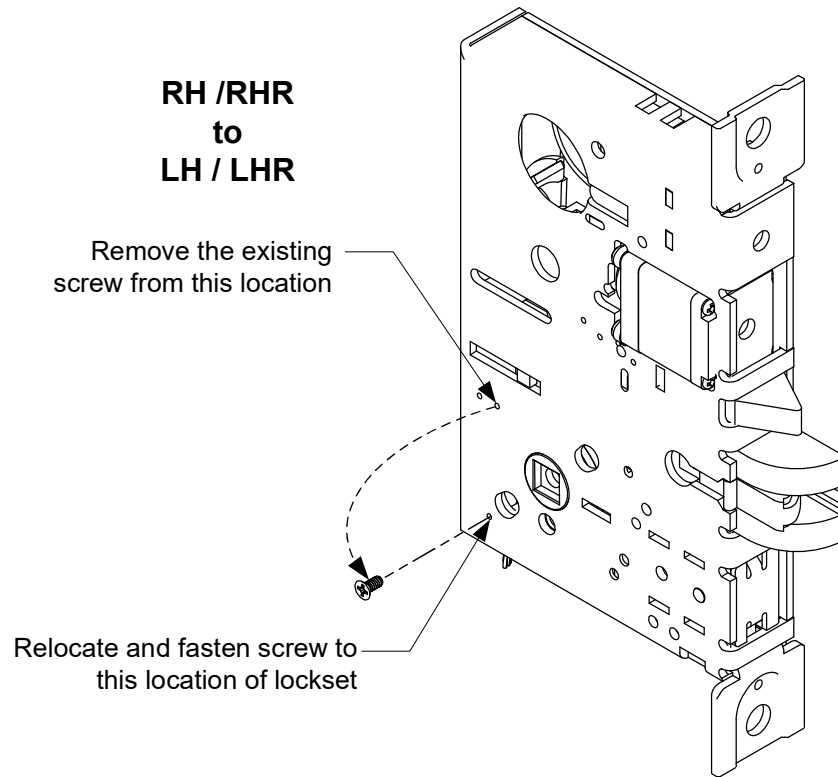
Remove hub screw from hub on the unlocked side of lockset. Depress the hub plunger using a narrow rod (e.g., a small hex wrench) to install catch screw into opposite side of lockset.

Continuation of handing conversion from LH to RHRB.



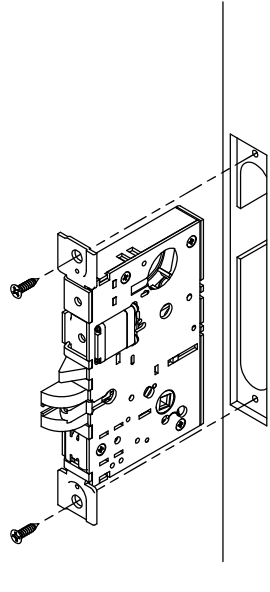


C. Install Lockcase (Continued)
2. Verify Rex Handing (REX option only)



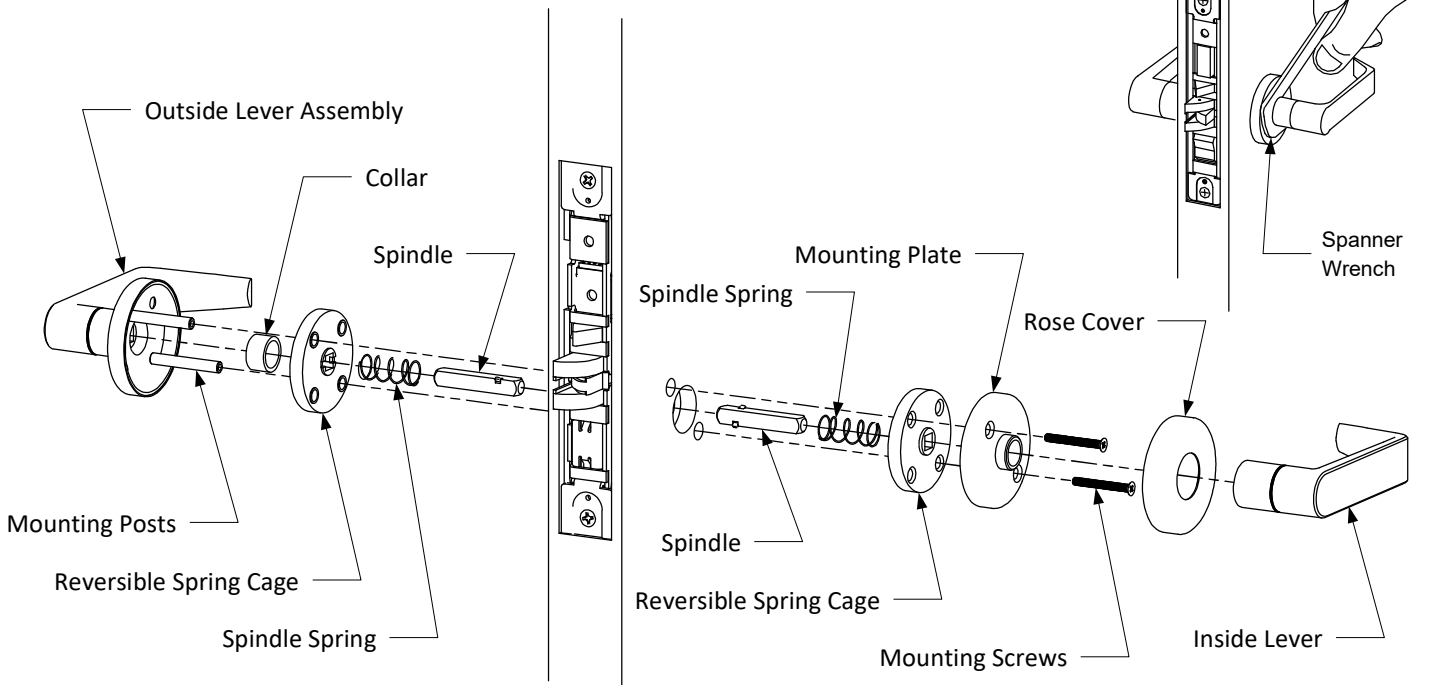
C. Install Lockcase (Continued)

3. Connect wires as shown on the lock cover diagram (or refer to page 8 of instructions).
4. Insert lockcase into mortise cut-out and fasten to door using screws.



D. Install for Rose Lever Trim

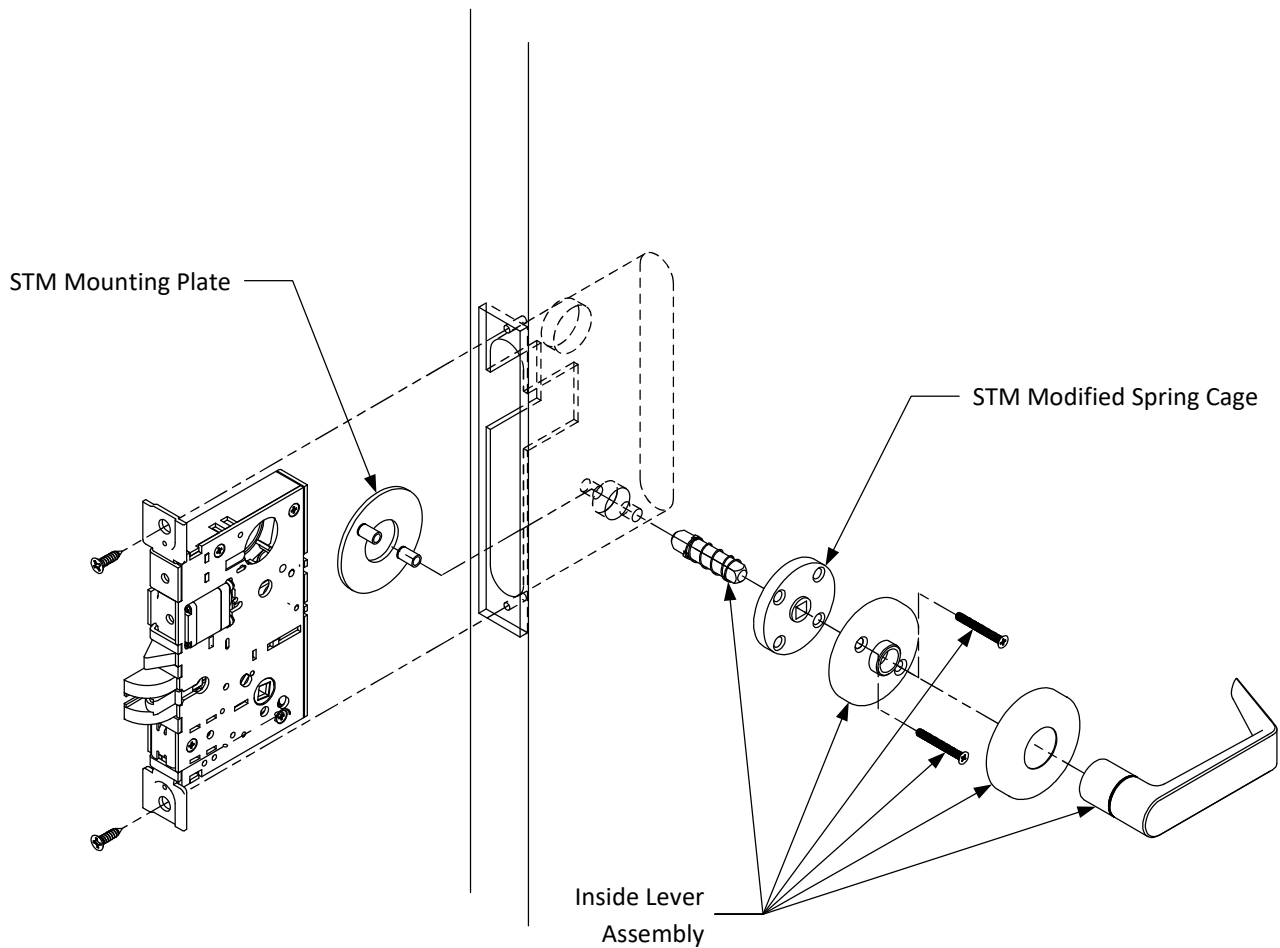
1. Install Outside Lever Assembly first.
2. Guide the Spindle Spring over Spindle, then insert Spindle into the outside side of mortise lockset.
3. Insert Collar into Outside Lever Assembly. Guide the Reversible Spring Cage over Mounting Posts with arrows pointing in direction of lever rotation.
4. Insert the Outside Lever Mounting Post through holes in door.
5. Install Inside Lever Assembly by guiding Reversible Spring Cage over the inside Spindle and Spindle Spring with arrows pointing in direction of lever rotation.
6. Place Mounting Plate over Reversible Spring Cage and secure by threading Mounting Screws into Mounting Posts.
7. Place Rose Cover over Mounting Plate.
8. Thread Inside Lever onto Mounting Plate and tighten using supplied Spanner Wrench.



Optional Single Trim Mount (STM) Installation

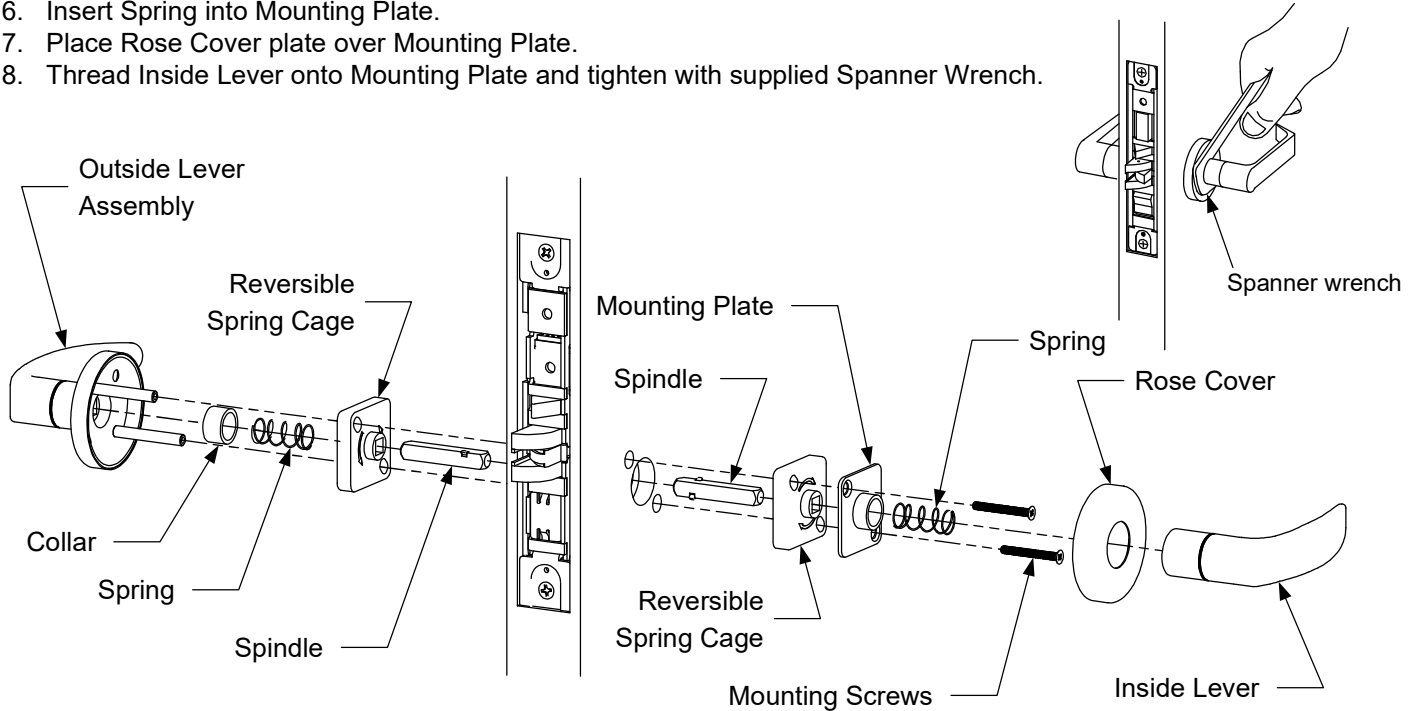
Note: STM is intended for inside prep only. STM is not compatible with 07 Lever Trim.

1. Only prep holes for the trim on the inside of door.
2. Insert the STM Mounting Plate into mortise cut-out as shown.
3. Install the Lock into the mortise cut-out & fasten to door using screws.
4. Install the Inside Lever Assembly, replacing the standard Reversible Spring Cage with the STM Modified Spring Cage.



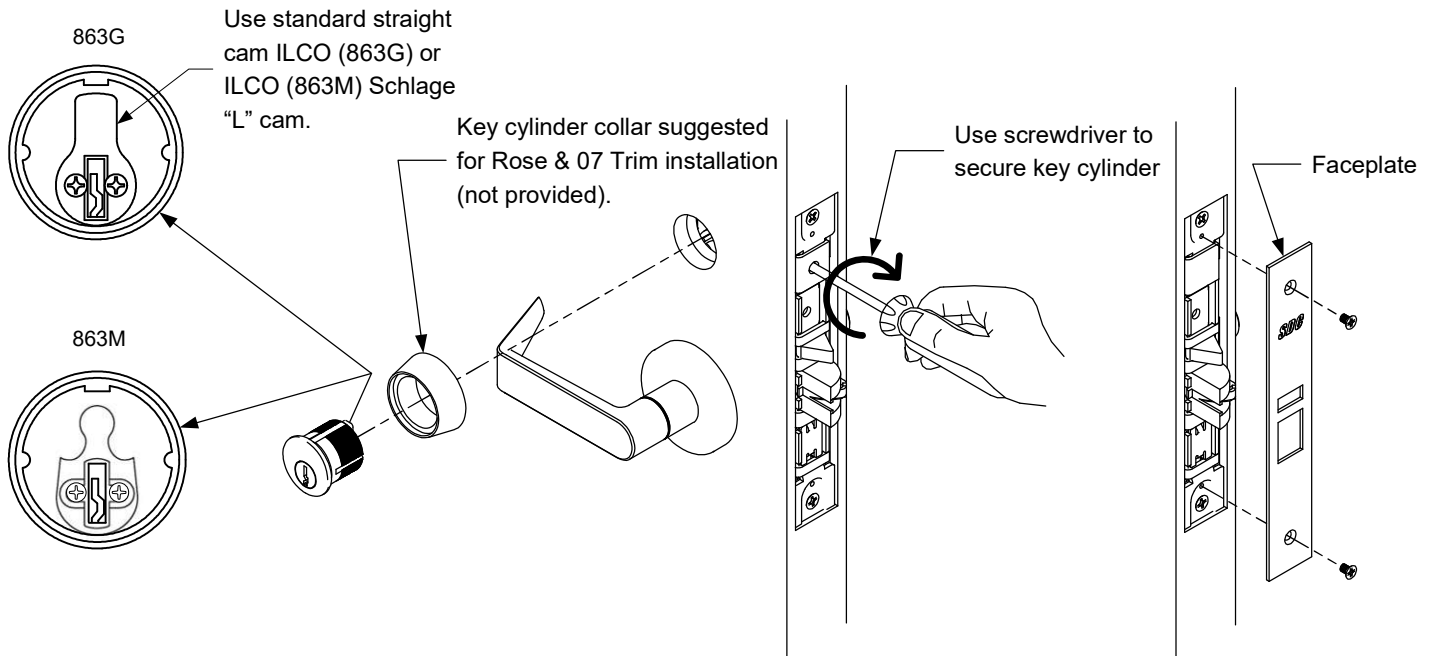
D. Install for 07 Lever Trim (STM not compatible with 07 Lever Trim)

1. Install the Outside Lever Assembly first.
2. Insert Spindle into the outside side of mortise lockset.
3. Place the Spring, Collar and then Reversible Spring Cage onto the Outside Lever Assembly with the Spring Cage arrows pointing in direction of lever rotation.
3. Insert the Outside Lever Mounting Post through holes in door.
4. Install Inside Lever by placing Reversible Spring Cage over inside Spindle with Spring Cage arrows pointing in direction of lever rotation.
5. Place Mounting Plate over Reversible Spring Cage and secure by threading Mounting Screws into Mounting Posts.
6. Insert Spring into Mounting Plate.
7. Place Rose Cover plate over Mounting Plate.
8. Thread Inside Lever onto Mounting Plate and tighten with supplied Spanner Wrench.



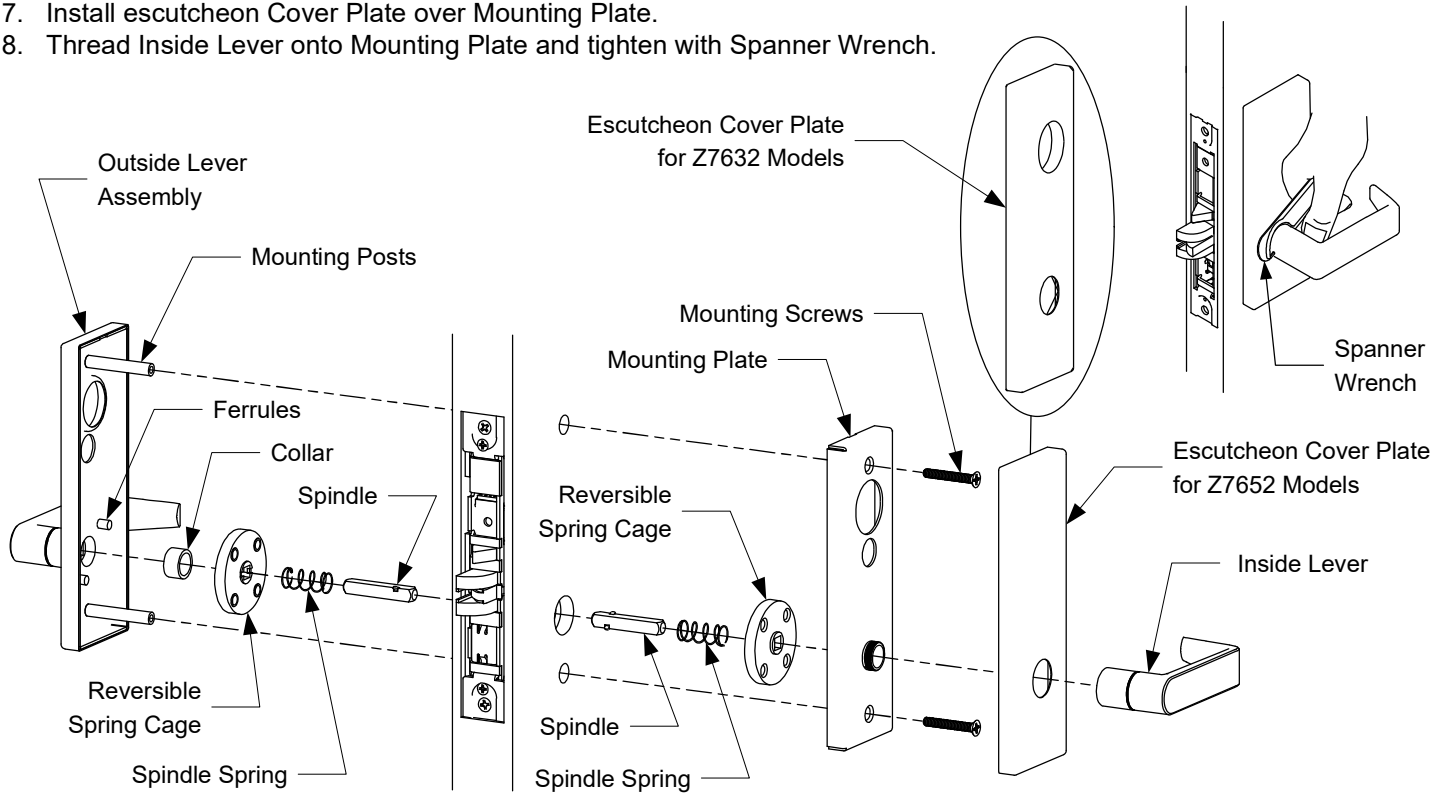
Install Key Cylinder and Armor Face Plate (Rose & 07 Trim)

1. Screw key cylinder into threaded hole of the lock case (Key cylinder not provided).
2. Tighten the set screw against cylinder by turning clockwise as shown.
3. Install face plate onto the lock case and fasten with supplied screws.



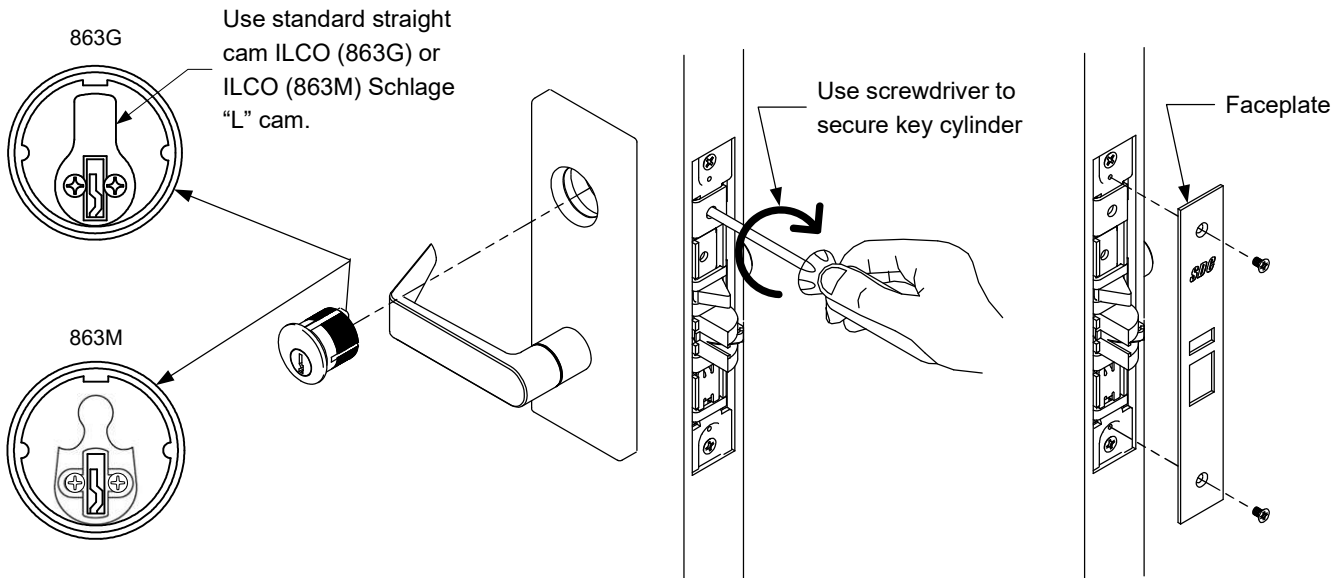
D. Install for Escutcheon Lever Trim

1. Install the Outside Lever first.
2. Place Spindle Spring over outside Spindle, then insert Spindle into the outside sides of lockset.
3. Insert Collar into Outside Lever Assembly. Place Reversible Spring Cage over Ferrules with Spring Cage arrows pointing in direction of lever rotation.
4. Install Outside Lever Assembly by inserting Mounting Posts through holes in door.
5. Install Inside Lever by placing Reversible Spring Cage over inside Spindle and Spindle Spring with the spring cage arrows pointing in direction of lever rotation.
6. Place mounting plate over Reversible Spring Cage and secure by threading Mounting Screws into Mounting Posts.
7. Install escutcheon Cover Plate over Mounting Plate.
8. Thread Inside Lever onto Mounting Plate and tighten with Spanner Wrench.



Install Key Cylinder and Armor Face Plate (Escutcheon Trim)

1. Screw key cylinder into threaded hole of the lock case (Key cylinder not provided).
2. Tighten the set screw against cylinder by turning clockwise as shown.
3. Install face plate onto the lock case and fasten with supplied screws.

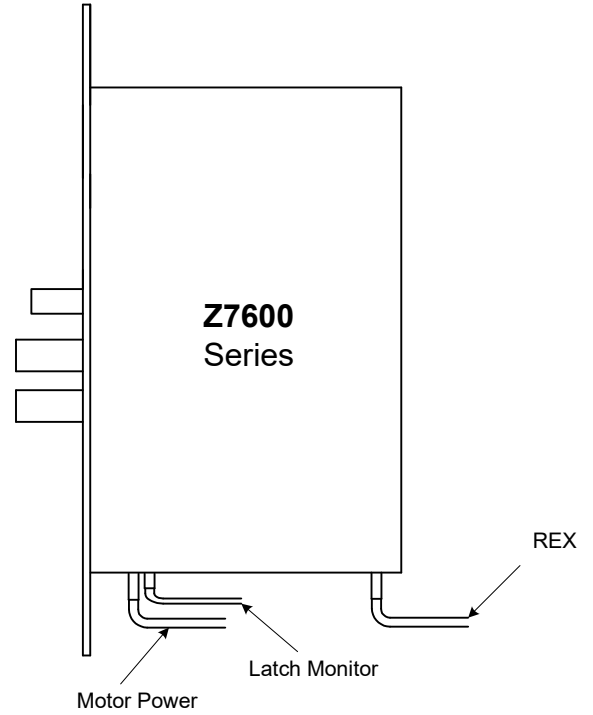


**E. Lock Wiring:**

Apply power for a minimum of 2 secs. to retract latch. Remove power to release latch

STANDARD WIRING

<u>MOTOR POWER</u>	<u>REX</u>
RED (+)	WHT/RED = COM
BLK (-)	ORG/RED = N/C
	YEL/RED = N/O
.620A/.160A @ 24vdc	3A @ 30vdc RESISTIVE
<u>LATCH MONITOR</u>	<u>DPS (MC-4)</u>
WHT/BLK = COM	GRN = COM
ORG/BLK = N/C	RED = N/C
YEL/BLK = N/O	WHT = N/O
3A @ 30vdc RESISTIVE	50ma @ 30vdc (Door Closed) RESISTIVE

**CC1-5-7652 - INPUT POWER CABLE CONNECTOR (OPTIONAL)**MOTOR POWER

RED +
BLK -

.620A/.160A @ 24vdc

CC3-5-7652 - INPUT POWER & MONITORING CABLE CONNECTOR (OPTIONAL)

<u>MOTOR POWER</u>	<u>LATCH MONITOR</u>	<u>REX</u>	<u>DPS (MC-4)</u>
RED (+)	GRN = COM	WHT = COM	GRN = COM
BLK (-)	BLU = N/C	ORG = N/C	RED = N/C
	BRN = N/O	YEL = N/O	WHT = N/O
.620A/.160A @ 24vdc	3A @ 30vdc RESISTIVE	3A @ 30vdc RESISTIVE	50ma @ 30vdc (Door Closed) RESISTIVE