8800 Series Mortise Lock

Used with Sectional Trim and V Series Indicators

Installation Instructions

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Instructions for Wiring 8800 Series Electrified Mortise Solenoid Locks, 8800 Series Monitoring Suffixes REX, LBM and DBM and Combined Solenoid and Monitoring Suffixes with Pluggable ElectroLynx® Connector System.
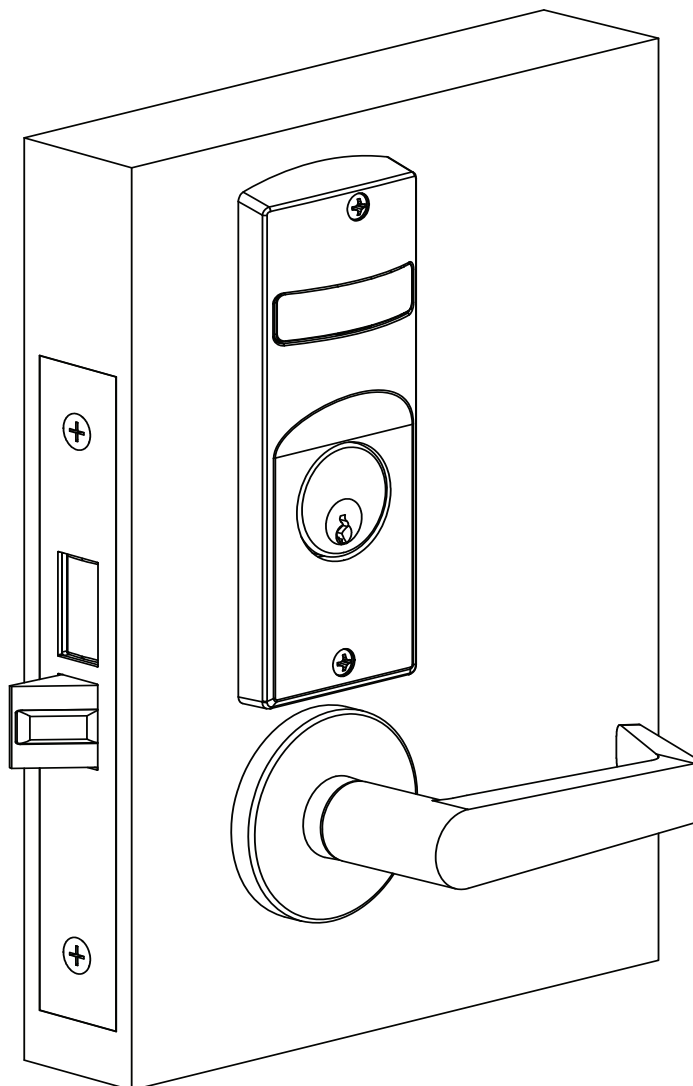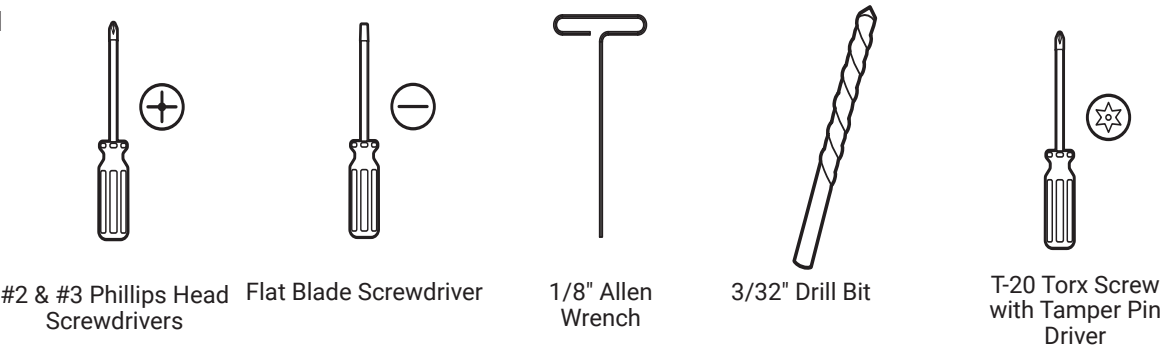

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1. Tools Required

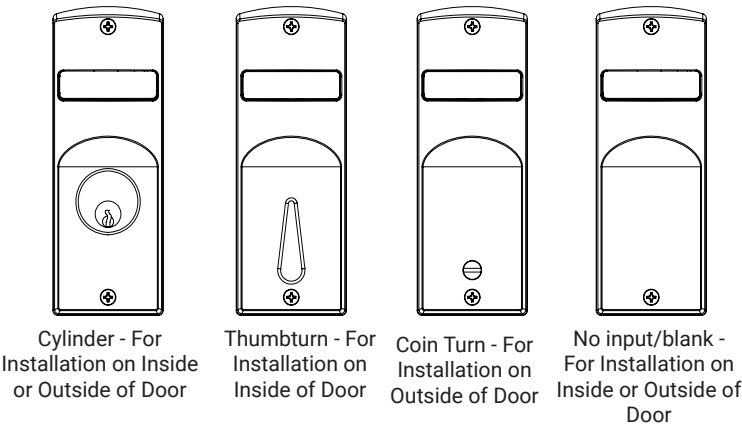| #2 & #3 Phillips Head Screwdrivers | Flat Blade Screwdriver | 1/8" Allen Wrench | 3/32" Drill Bit | T-20 Torx Screw with Tamper Pin Driver |

2. Indicator Variants

Depending on function and option ordered, indicators are provided in the following variations. These instructions detail how to install with cylinder, however other variations follow similar instructions (Figure 1).

Contact factory for any questions.

Figure 1

| Cylinder - For Installation on Inside or Outside of Door | Thumbturn - For Installation on Inside of Door | Coin Turn - For Installation on Outside of Door | No input/blank - For Installation on Inside or Outside of Door |

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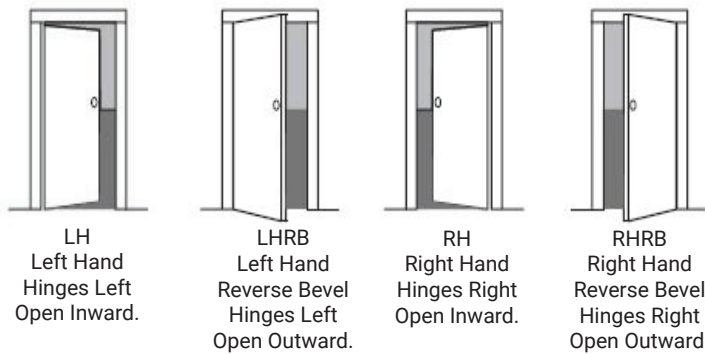**Installation Instructions**

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3. Lock Set Configuration

To re-hand lock, see instructions on lock body.

4. Rehanding Indicator (If required)

Verify hand and bevel of door (Figure 2).

Figure 2

LH	LHRB	RH	RHRB
Left Hand Hinges Left Open Inward.	Left Hand Reverse Bevel Hinges Left Open Outward.	Right Hand Hinges Right Open Inward.	Right Hand Reverse Bevel Hinges Right Open Outward.

NOTE: Stand on outside of locked door when determining door hand.

Next, verify inside and/or outside indicators are handed correctly, using Spindle Cam Position chart (Figure 3). If they are handed correctly, skip to Step 5 "Prepare Door".

If they are not handed correctly:

1. Remove retaining pad and spindle cam from assembly (Figure 4).
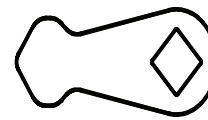2. Position spindle cam in correct direction for door hand (Figure 3).

   NOTE: For thumbturn indicators, make sure thumbturn is positioned in the 12 o'clock direction as shown (Figure 5).

3. Slide spindle cam post into correct slot of display slide (Figure 4).
4. Re-seat retaining pad into original position.
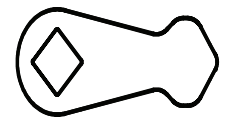5. Rerurn indicator to the vacant/unlocked position for installation.

Figure 3

Spindle Cam Position for Locks with Deadbolt (*Includes 8864 function)

Door Hand RH/RHRB

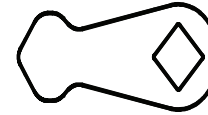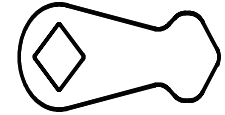**Outside** Indicator   **Outside** Indicator

Spindle Cam Position for Locks without Deadbolt (*Does not include 8864 function)

Door Hand RH/RHRB

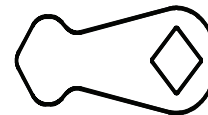Inside Indicator   **Outside** Indicator

Door Hand LH/LHRB
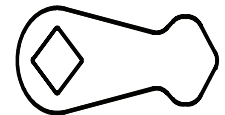
Outside Indicator   Inside Indicator

Figure 4

Display Slide Slot

Spindle Cam

Figure 5

Thumbturn Position
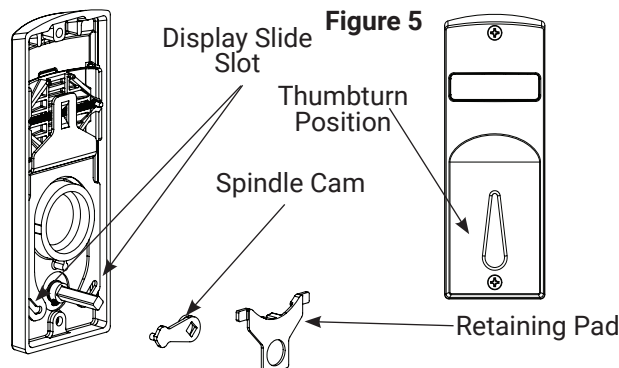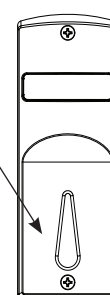
Retaining Pad

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5. Installation

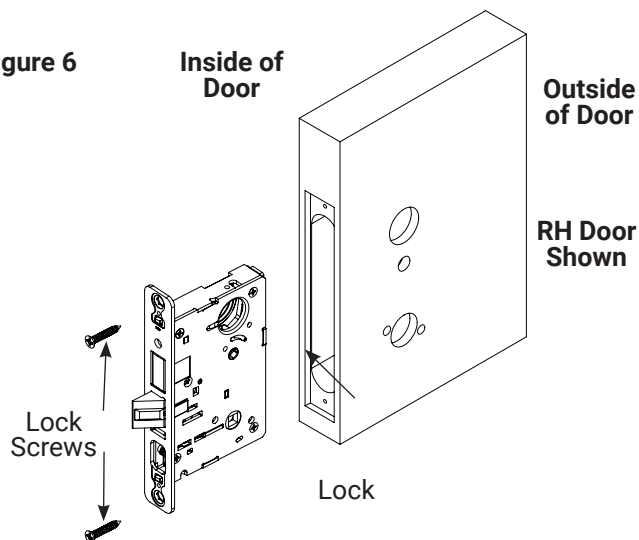### 1. Prepare Door for Mortise Lock

Prepare door for function holes, size, and location according to 7088-0006 door marker template, if not already prepped.

2. Install Lock

1. Verify strike location according to template. Clean out door pocket and door edge of debris.
2. Make sure handing of lock matches handing of door. Slide lock into door (Figure 6).
3. Temporarily hand tighten two (2) lock screws (#12x1-1/4" wood screws, or #12-24x1/2" machine screws).

   NOTE: Keep door open until installation is complete.

Figure 6

Inside of Door

Outside of Door
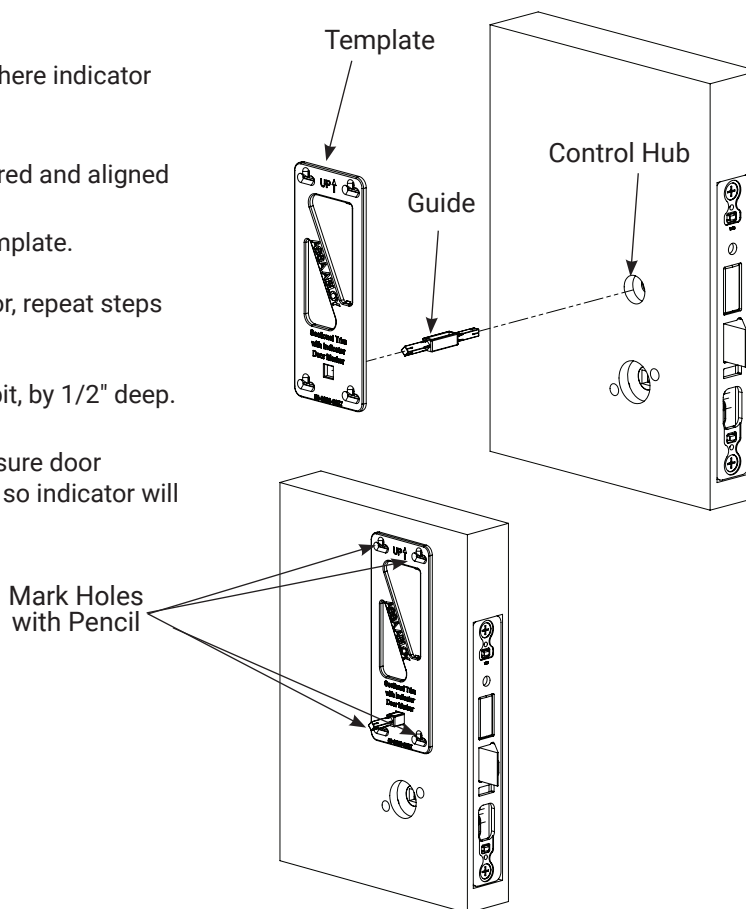
RH Door Shown

Lock Screws

Lock

3. Prepare Door for Indicator

1. Insert template guide into control hub on side where indicator will be used (Figure 7).
2. Slide indicator template over template guide.

   NOTE: Make sure the template is properly centered and aligned to ensure smooth indicator operation.

3. Mark the four (4) hole positions indicated on template.
4. Remove guide and template.
5. If indicators are being used on both sides of door, repeat steps 3.1 through 3.4 for opposite side.
6. Remove lock body.
7. Drill four (4) marked holes with 3/32" diameter bit, by 1/2" deep.
8. Reinstall lock body and hand tighten screws.

   NOTE: If retrofitting over an existing product, ensure door surface is free of chips and debris around holes so indicator will sit flat against door surface.

Figure 7

Template

Control Hub

Guide

Mark Holes with Pencil

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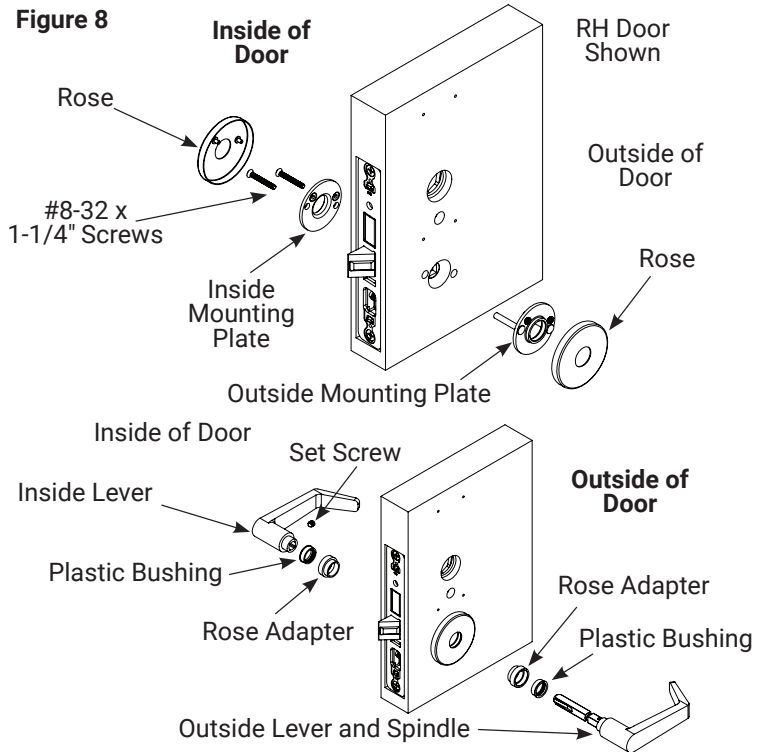### Installation Instructions

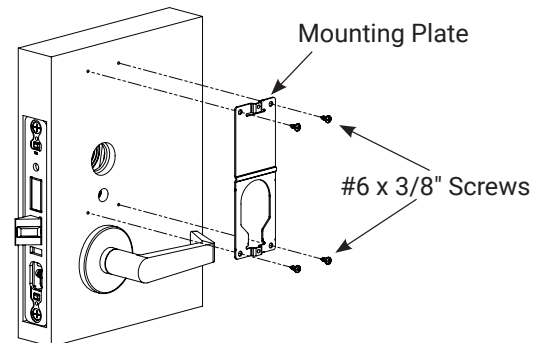## 5. Installation, continued

4. Install Levers

1. Insert outside mounting plate through door and lock body, and hold (Figure 8).
2. Align and fasten inside mounting plate securely with two (2) #8-32 x 1-1/4" screws.
3. Install roses on inside and outside adapter plates.
4. If included, press rose adapter into rose and mounting plate assemblies.
5. Unscrew inside spindle 1/2 turn and align ramp in the horizontal position.
6. Slide plastic bushing onto outside lever and spindle and insert through the lockbody.
7. Slide plastic bushing onto inside lever and attach to spindle. Then tighten inside lever set screw.

Figure 8

Inside of Door — RH Door Shown — Rose — #8-32 x 1-1/4" Screws — Inside Mounting Plate — Outside of Door — Rose — Outside Mounting Plate

Inside of Door — Set Screw — Inside Lever — Outside of Door — Plastic Bushing — Rose Adapter — Rose Adapter — Plastic Bushing — Outside Lever and Spindle

5. Install Indicator Mounting Plate

1. Align and fasten inside mounting plate securely with two (2) #8-32 x 1-1/4" screws.
2. If indicators are being used on both sides of door, repeat step 5.1 for opposite side.
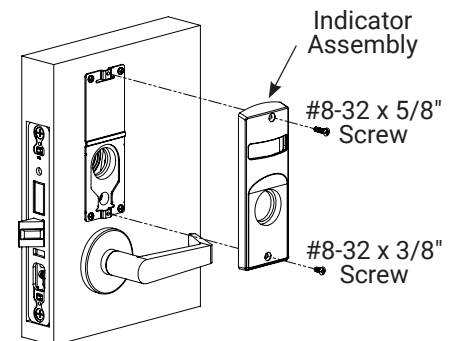

Figure 9

Mounting Plate — #6 x 3/8" Screws

6. Install Indicator Assembly

1. Verify lock is in unlocked state (turn outside lever to confirm).
2. Verify indicator is in vacant/unlocked position.
3. Assemble indicator assembly onto mounting plate (Figure 10).
4. Secure indicator assembly to door with two (2) machine screws.
   • Use #8-32 x 5/8" screw for top
   • Use #8-32 x 3/8" screw for bottom
5. If indicators are being used on both sides of door, repeat steps 6.1 through 6.3 for opposite side.

   NOTE: Torx security screws recommended.

Figure 10

Indicator Assembly — #8-32 x 5/8" Screw — #8-32 x 3/8" Screw

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5. Installation, continued

7. Install Cylinder

1. Thread cylinder into lock until flush with indicator escutcheon surface (Figure 11).
   • Pull key slightly out of cylinder to help thread into lock body.
2. Tighten cylinder clamp screw with #2 Phillips screwdriver.
   • Check operation and adjust if necessary.

NOTES:

• Key and cylinder must be positioned as Figure 12 shows.
• If double cylinder function is used, repeat steps 7.1 and 7.2 for second cylinder.
• Interchangeable core cylinders require a control key to remove and install the core. This is not provided standard. It must be requested seperately.
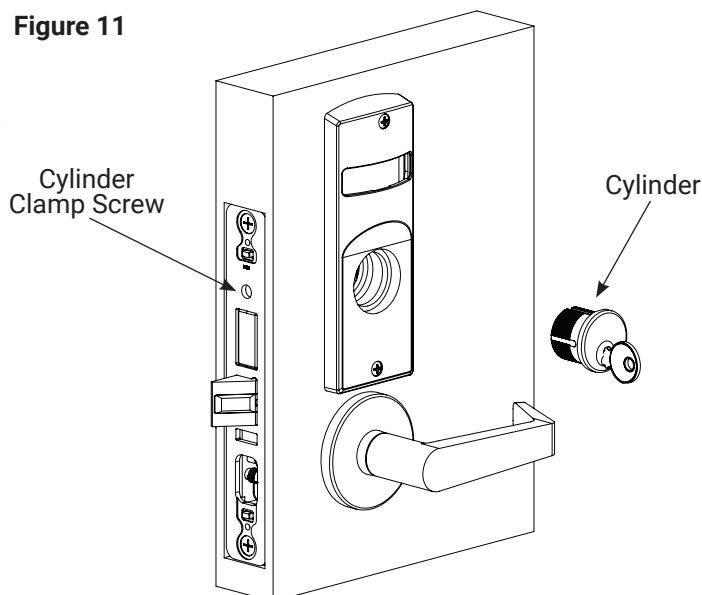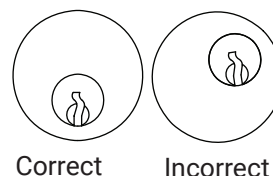
Figure 11

Cylinder Clamp Screw

Cylinder

Figure 12

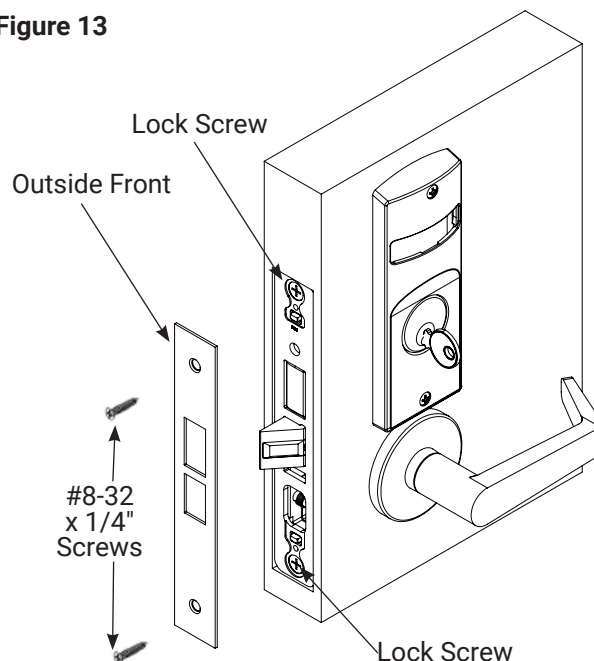Key and cylinder must be rotated as shown.

Correct   Incorrect

8. Install Outside Front

1. Tighten the two (2) lock screws completely (Figure 13).
2. Attach outside front with two (2) flat head screws #8-32 x 1/4".

Figure 13

Lock Screw

Outside Front

#8-32 x 1/4" Screws

Lock Screw

9. Perform Functional Check

DO NOT FORCE if resistance is encountered during functional check. Refer back to Rehanding Indicator (if required) section to ensure correct handing. Rehand if necessary.

1. Insert key into cylinder (if present) and rotate:
   • Ensure there is no friction against lock case or any other obstructions.
2. Check key retracts latch:
   • Key should rotate freely.
3. Throw deadbolt (if present):
   • Check key retracts both deadbolt and latch
4. Test levers:
   • Confirm latch and deadbolt (if installed) retract.
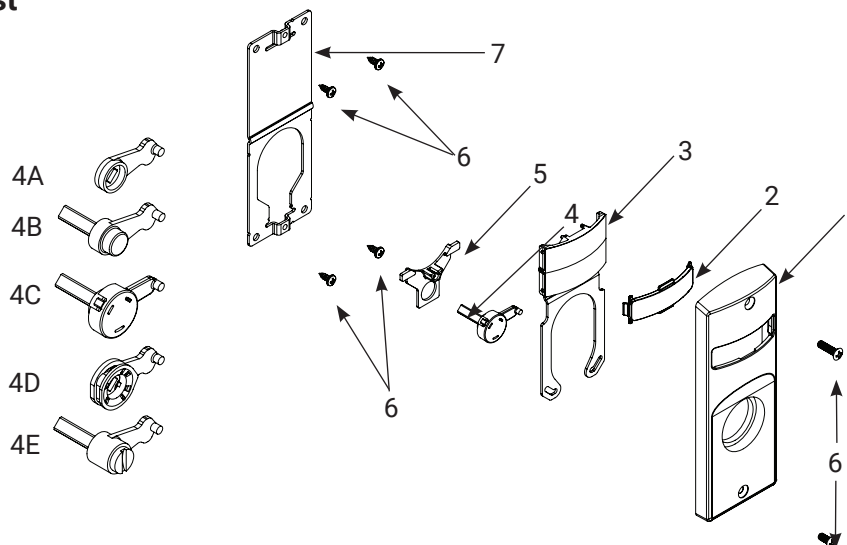5. Verify indicator displays correct status when locked and unlocked.

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6. Indicator Parts List

#	DESCRIPTION	PART #	REQ.
1	Sectional Escutcheon - Cylinder	81-0472-4000 x finish	1
	Sectional Escutcheon - Coin Turn	81-0471-4000 x finish	
	Sectional Escutcheon - Thumbturn	50-8800-0364 x finish	
	Sectional Escutcheon - No Input/Blank	81-0473-4000 x finish	
2	Indicator Window	856F049	1
3	Indicator Display Assembly - Green Unlocked / Red Locked	82-5602-4000	1
	Indicator Display Assembly - Green Vacant / Red Occupied	82-5603-4000	
	Indicator Display Assembly - Green Unlocked Icon / Red Locked Icon	82-5604-4000	
	Indicator Display Assembly - White Unlocked / Red Locked	82-5605-4000	
	Indicator Display Assembly - White Vacant / Red Occupied	82-5606-4000	
	Indicator Display Assembly - White Unlocked Icon / Red Locked Icon	82-5607-4000	
	Indicator Display Assembly - Green Ouvert / Red Fermé	82-5684-4000	
	Indicator Display Assembly - Green Libre / Red Occupée	82-5685-4000	
4A	Indicator Spindle Cam - Thumbturn	50-8800-9328	1
4B	Indicator Spindle Cam - Cylinder/No Input / Blank	50-8800-7335*	
4C	Indicator Spindle Cam - Cylinder Overtravel	50-8800-0378*	
4D	Indicator Spindle Cam - Thumbturn Overtravel	50-8800-0346	
4E	Indicator Spindle Cam - Coin Turn	50-8800-7339*	
5	Indicator Retaining Pad	81-0749-9000	1
6	Sectional Indicator Screw Pack	85F497 FIN*	1
7	Sectional Indicator Mounting Plate	855F658	1
8	Sectional Indicator Template Kit (not shown)	50-8800-9343	1

*These parts are for 1-3/4" standard thickness doors. For other thicknesses, contact the factory.

NOTE: Reference 8800 Series parts manual for all lock body parts.

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