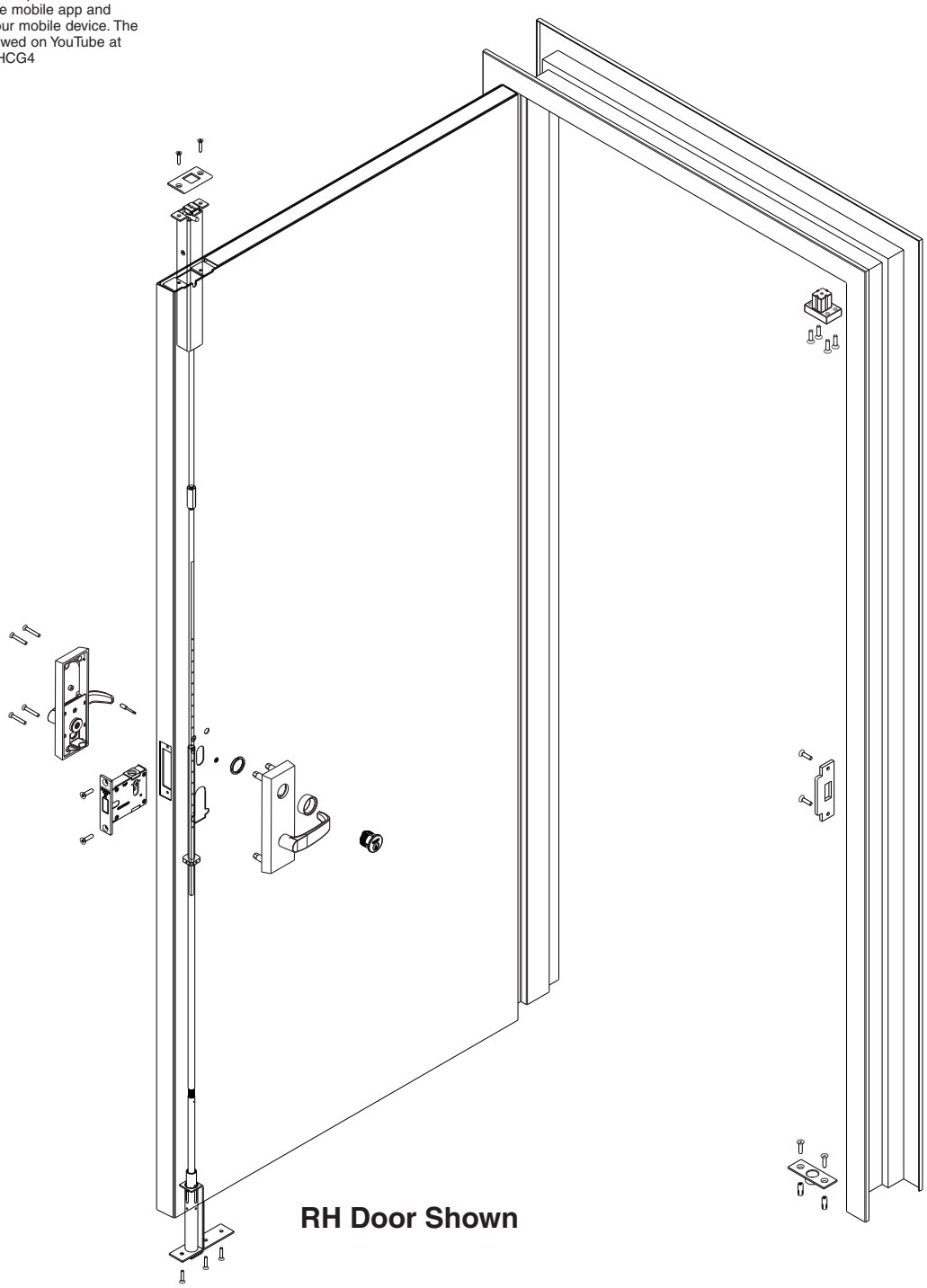
Installation Instructions

FM7100 Series
Multi-Point Lock

SARGENT
ASSA ABLOY

For installation assistance, contact SARGENT at 800-727-5477.

To view the QR Code video clips within this document, download a free mobile app and scan the QR Code with your mobile device. The complete video can be viewed on YouTube at https://youtu.be/IC8KQeXHCG4



RH Door Shown

INSIDE OUTSIDE **RIGHT HAND (RH)**	INSIDE OUTSIDE **LEFT HAND (LH)**	INSIDE OUTSIDE **RIGHT HAND REVERSE (RHR)**	INSIDE OUTSIDE **LEFT HAND REVERSE (LHR)**

A8010E (08/16)
ASSA ABLOY, the global leader in door opening solutions

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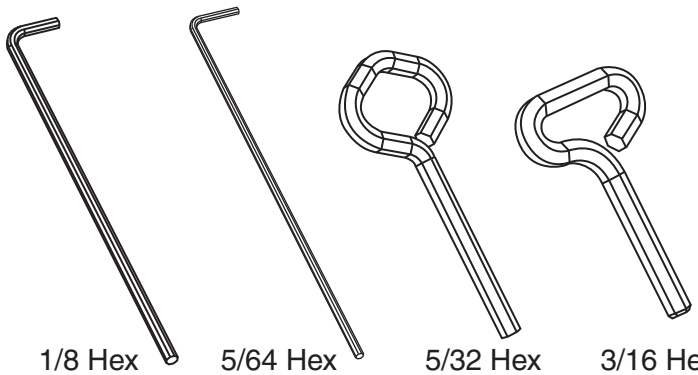
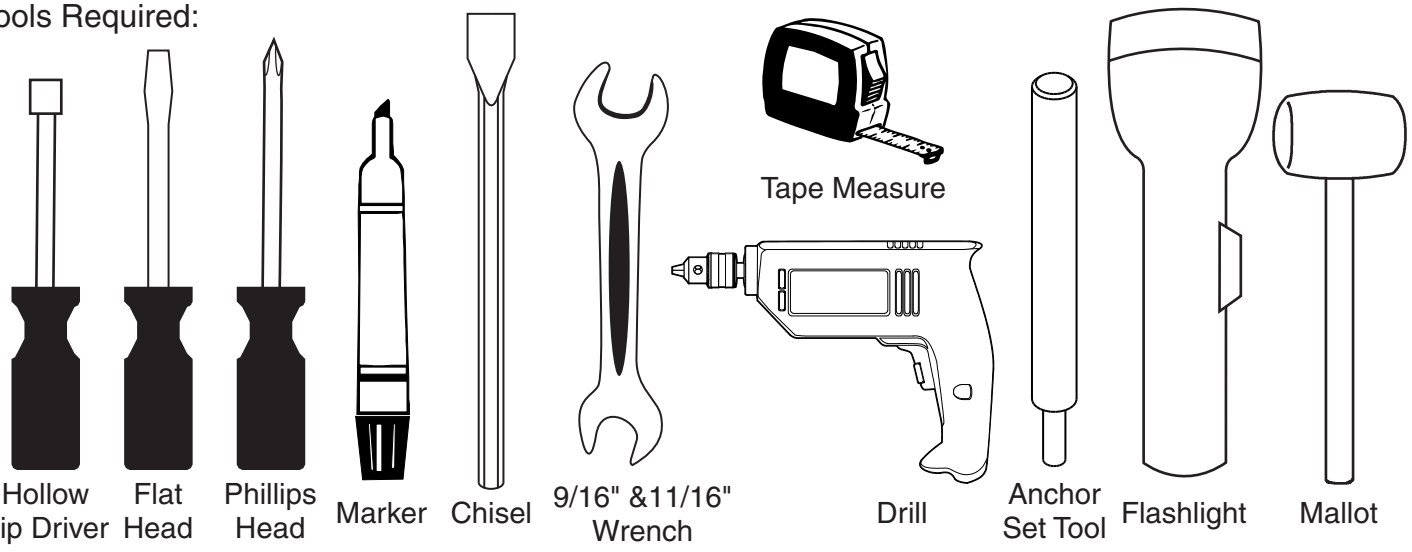
This device is intended to be part of an integrated door, frame and hardware assembly UL-approved for both FEMA 361 and FEMA 320 guidelines for both in-swing and out-swing doors.

Tools Supplied



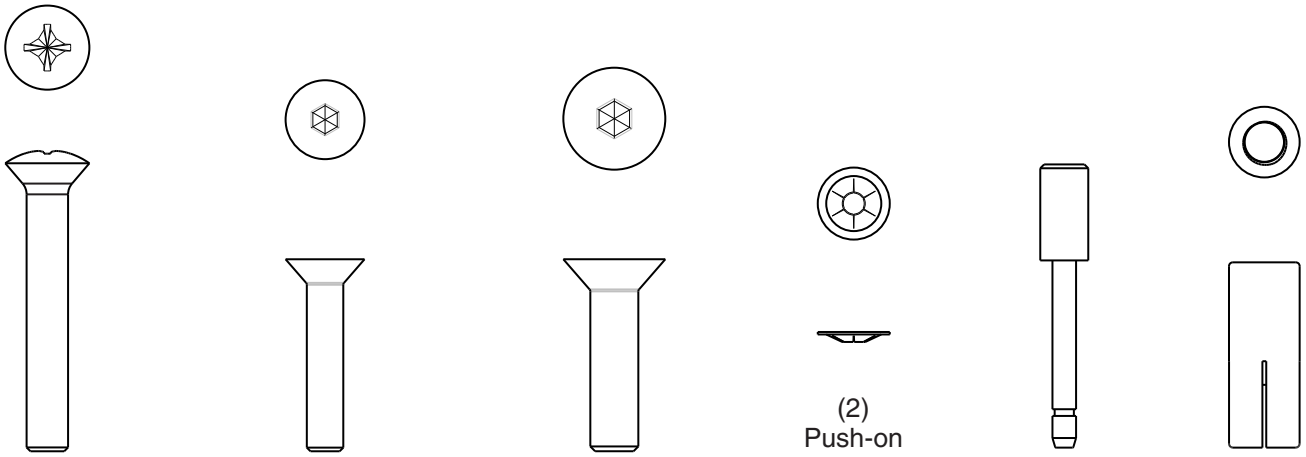
1/8 Hex | 5/64 Hex | 5/32 Hex | 3/16 Hex

Tools Required:



Hollow Tip Driver | Flat Head | Phillips Head | Marker | Chisel | 9/16" &11/16" Wrench | Tape Measure | Drill | Anchor Set Tool | Flashlight | Mallot

Mounting Hardware (Full Scale):



(4) Oval Head Phillips 12-24x1 1/2"

(5) Flat Head Hex Socket 12-24x1"

(10) Flat Head Hex Socket 1/4-20x1"

(2) Push-on Retaining Ring (1 Spare)

(2) Drive Pin (1 Spare)

(2) Drop-in Anchor

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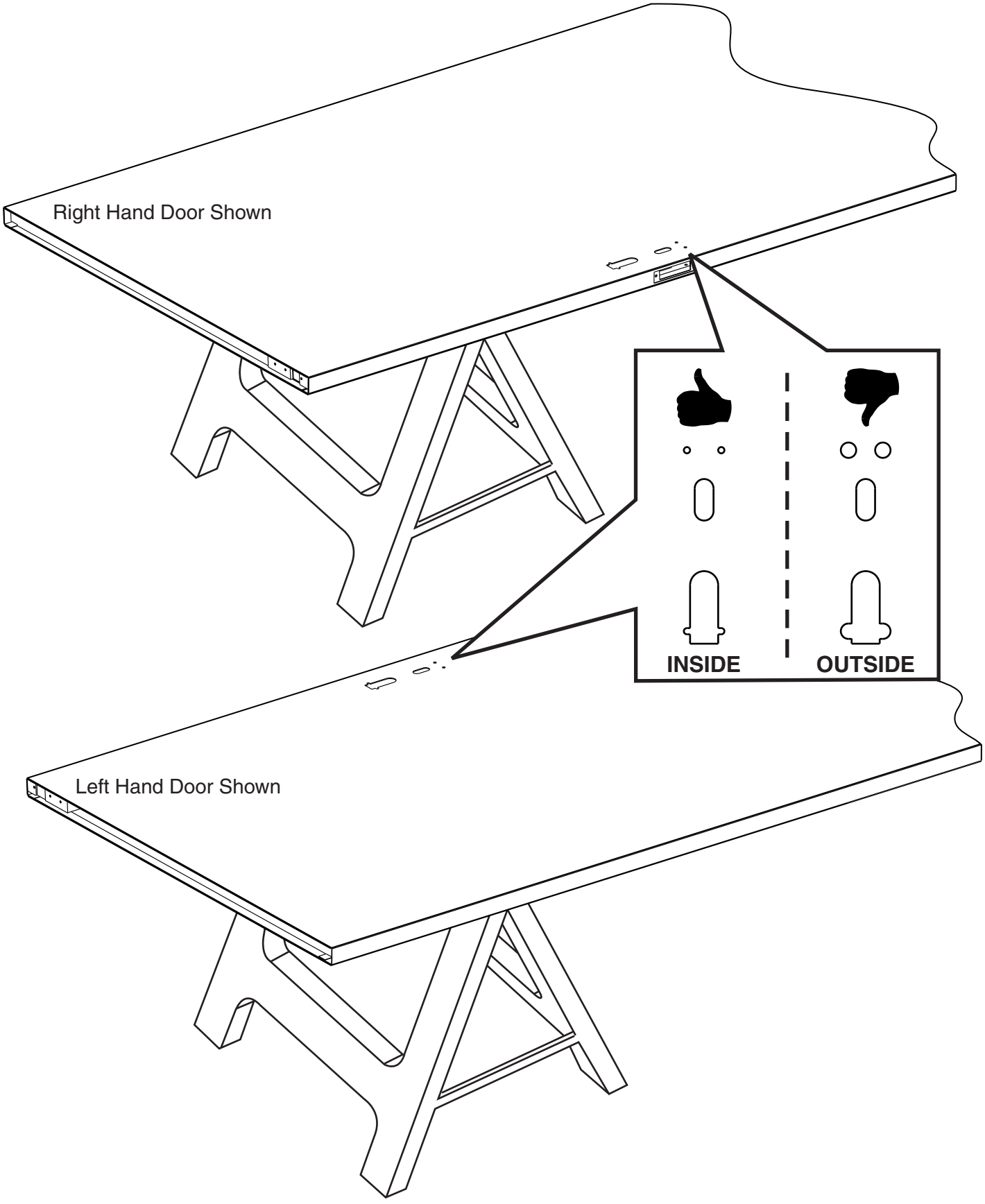
VERIFY HANDING



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VERIFY DOOR DIMENSIONS

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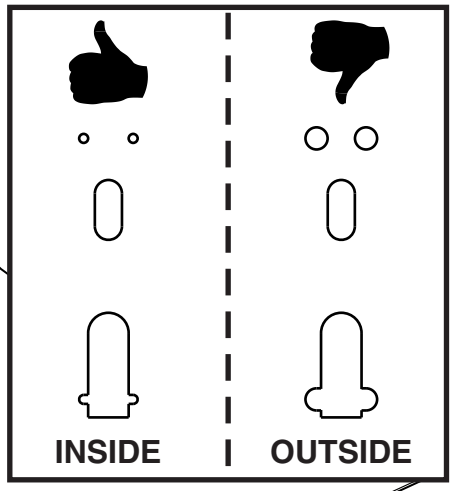
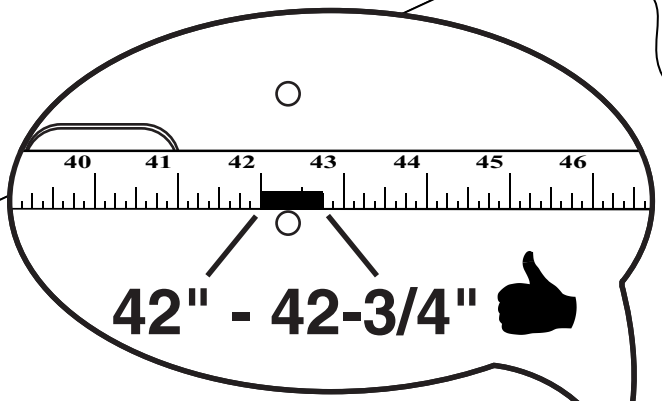
WARNING

***LOCK IN* condition can occur and *EMERGENCY EGRESS* will be prevented if critical dimensions are not met.**

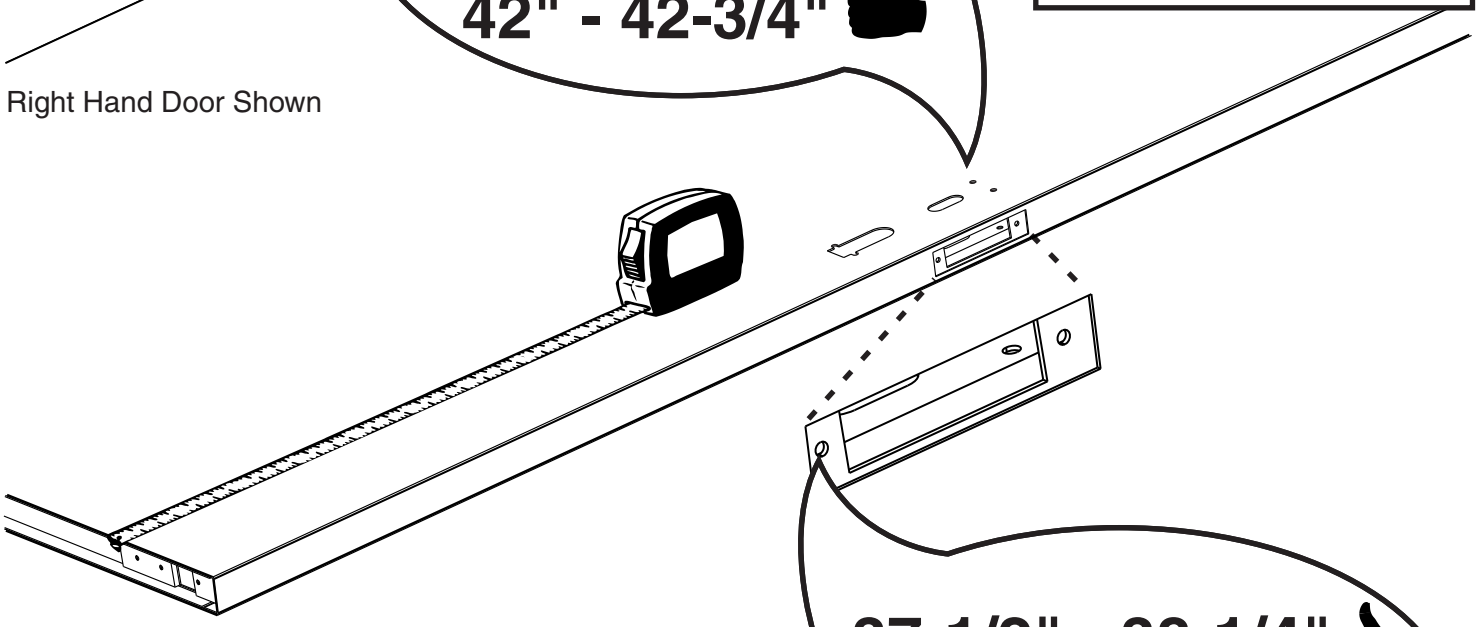
Device <u>will not</u> operate, if door cutouts are not within the dimensions below.

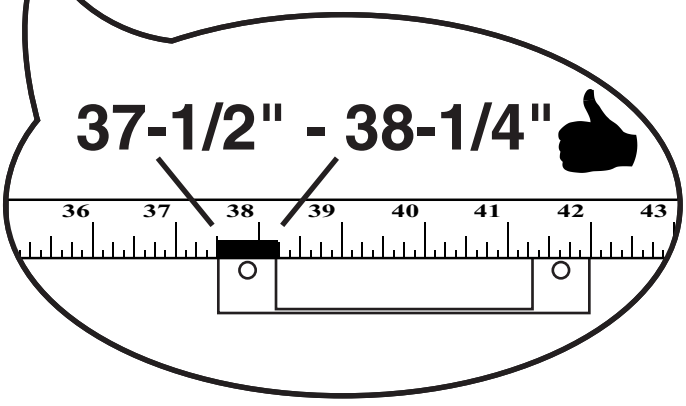
Required Door Dimensions





Right Hand Door Shown





If door does not match above dimensions, contact door manufacturer.

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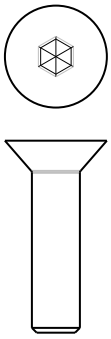
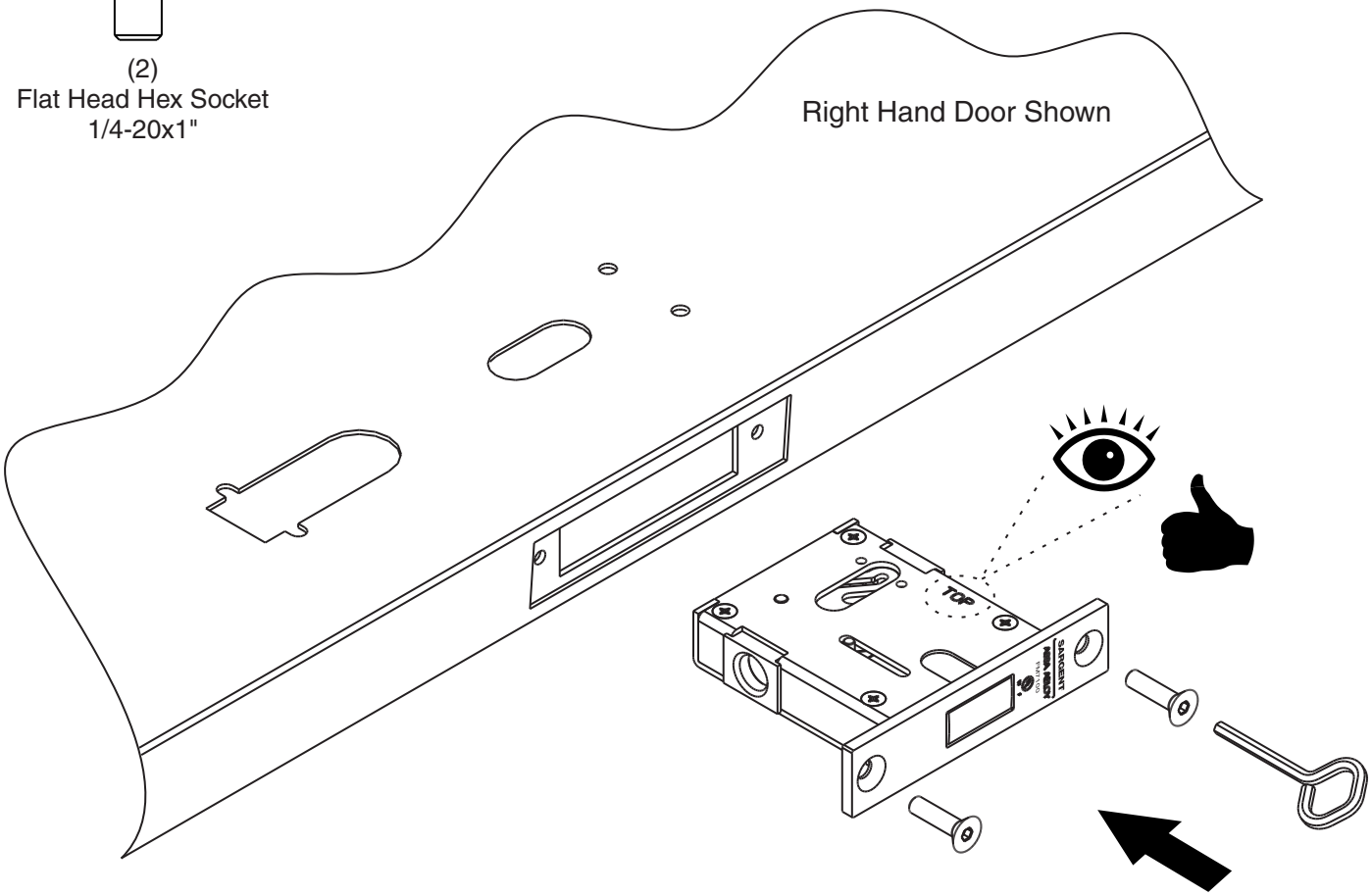
1. INSTALL DEADBOLT ASSEMBLY



(2)
Flat Head Hex Socket
1/4-20x1"

Deadbolt
Installation



WARNING

Deadbolt must be retracted before moving to the next step.

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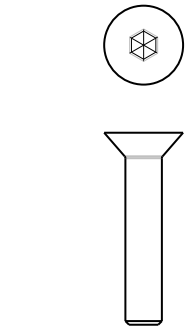
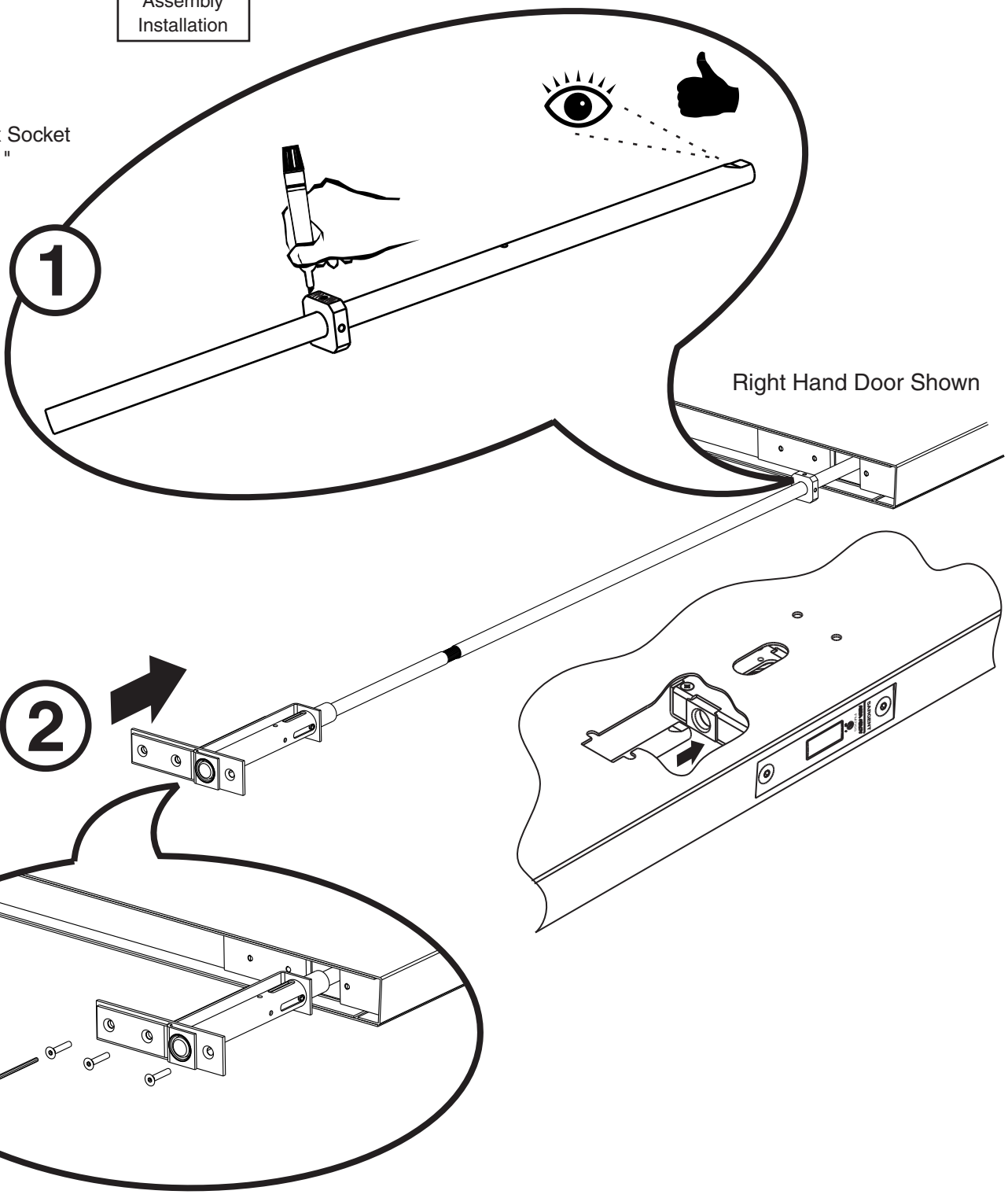
2. INSTALL BOTTOM BOLT ASSEMBLY



(3)
Flat Head Hex Socket
12-24x1"

Bottom Bolt Assembly Installation



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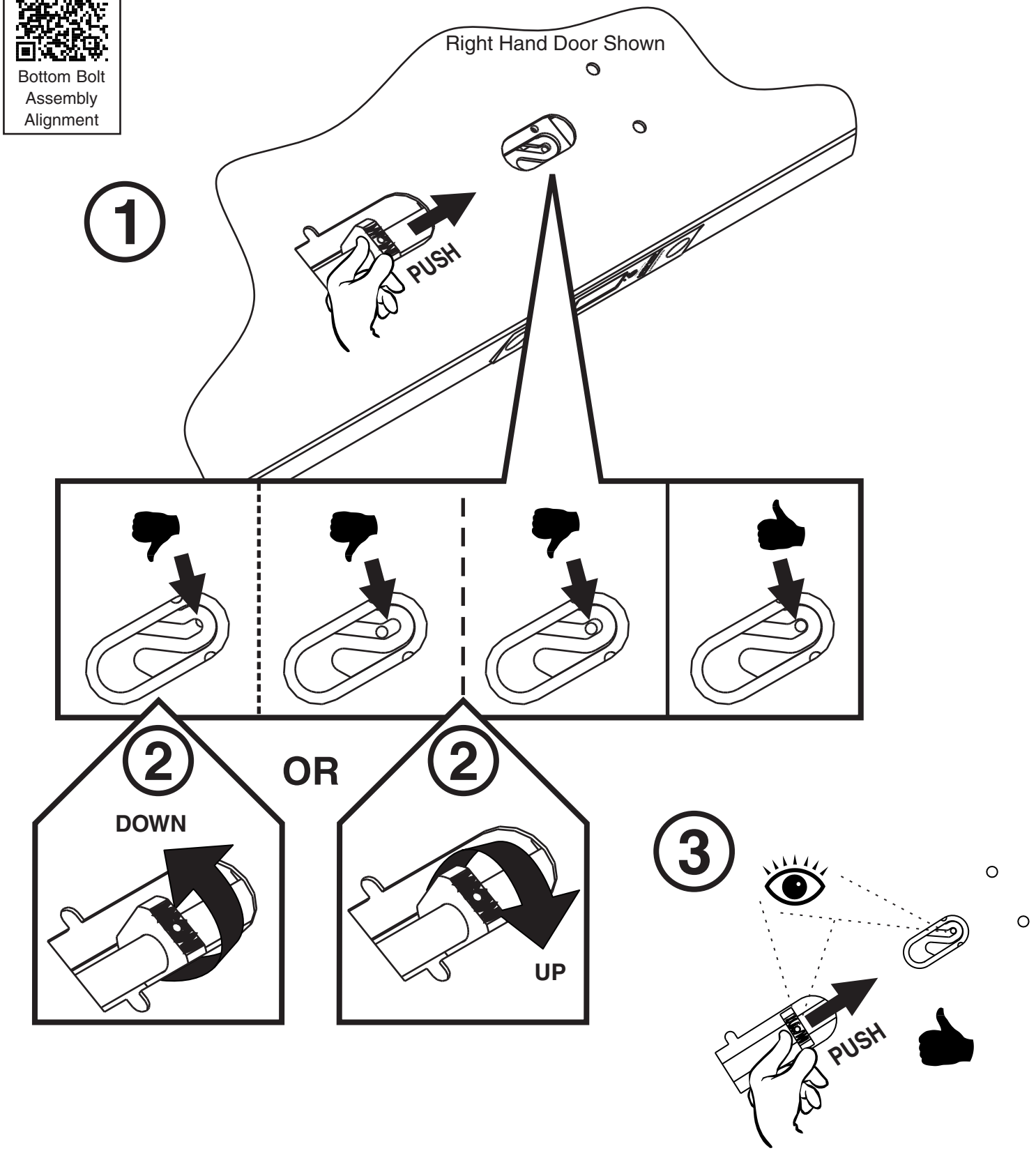
3. ALIGN BOTTOM BOLT ASSEMBLY

Bottom Bolt Assembly Alignment



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4. PREP TOP ASSEMBLY

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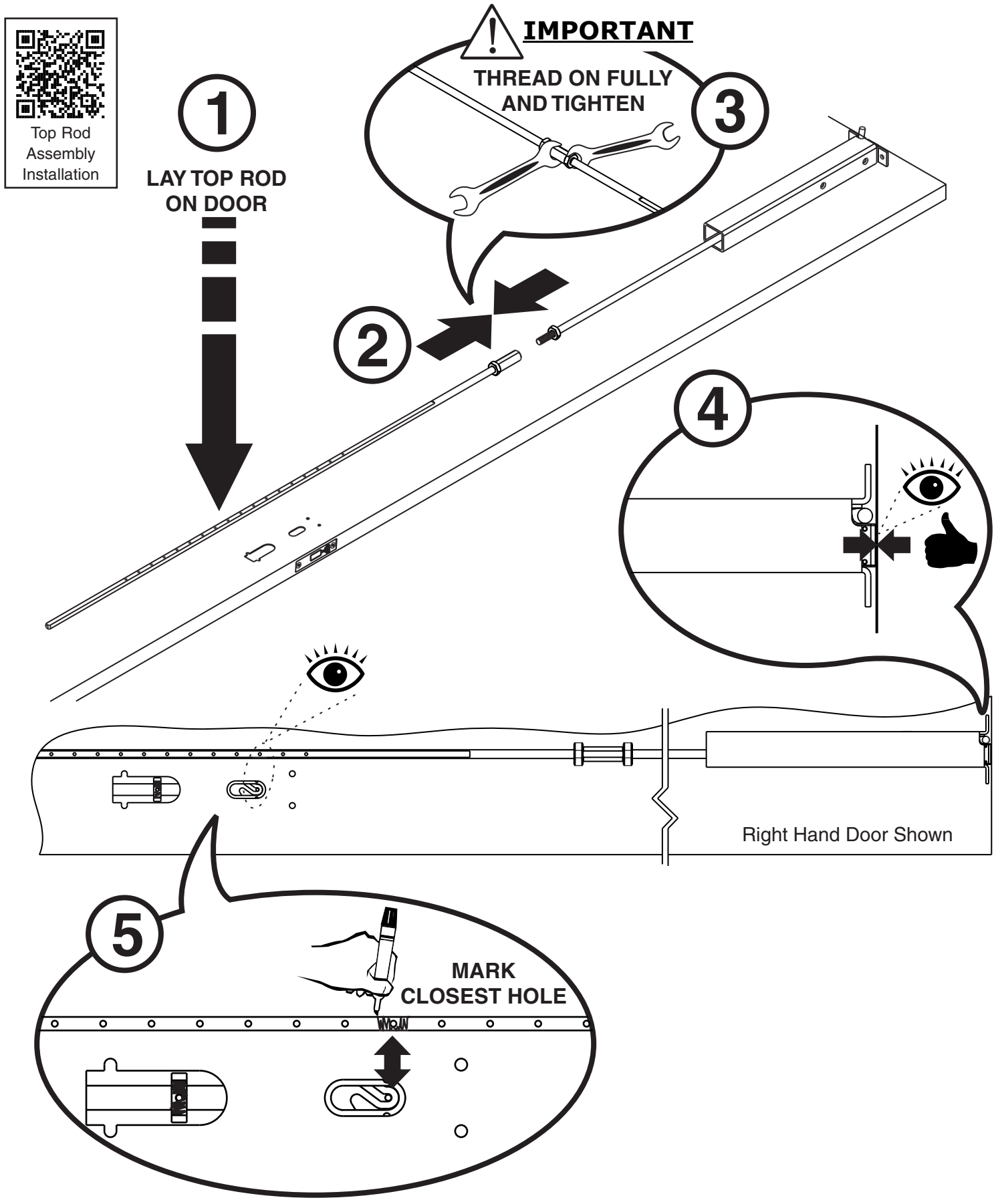
Top Rod Assembly Installation



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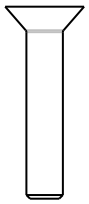
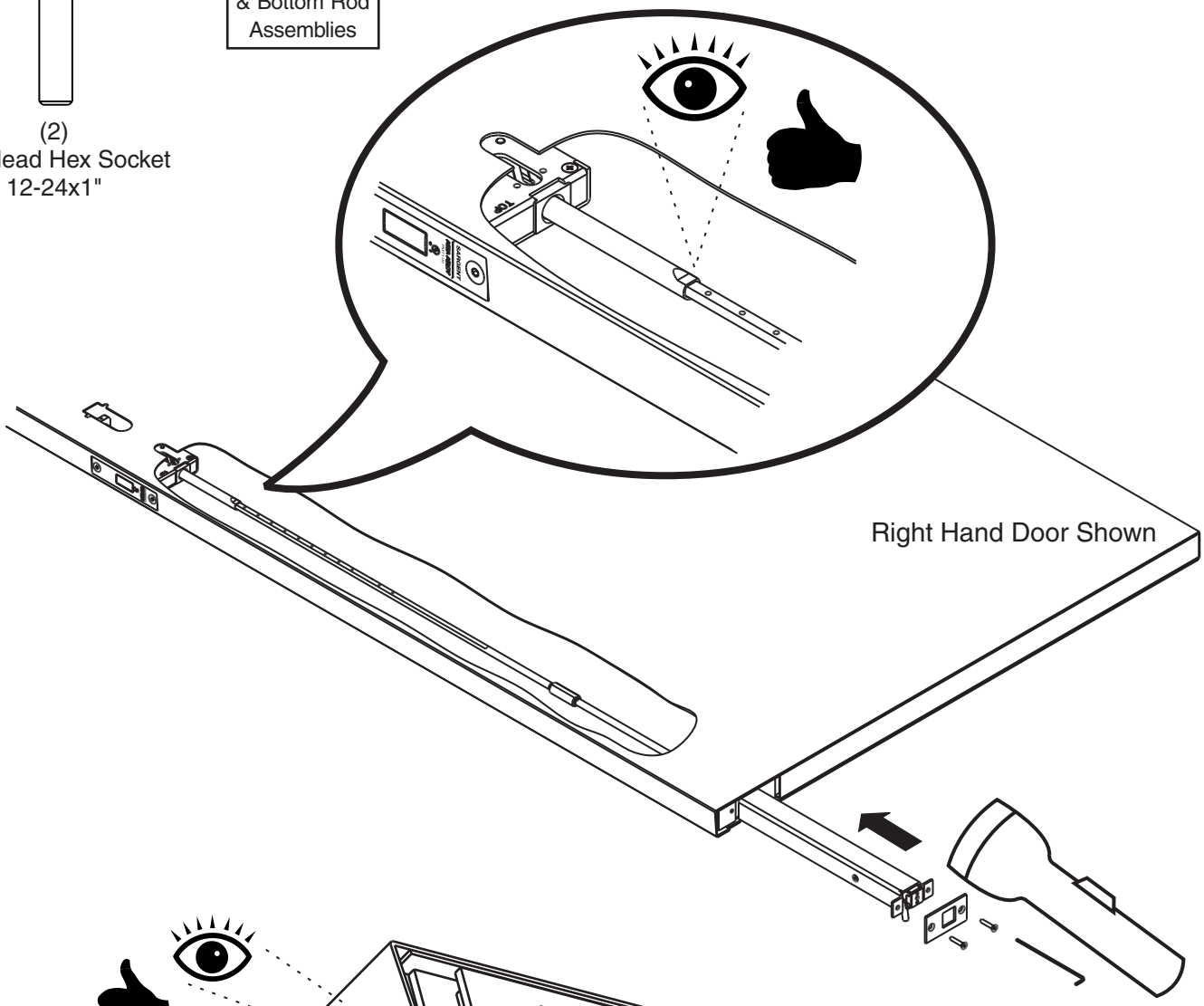
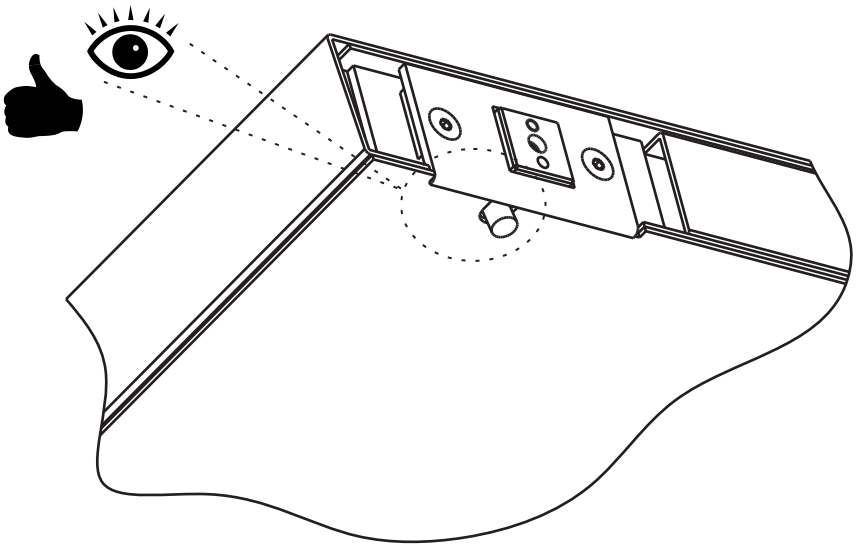
5. INSTALL TOP ASSEMBLY



(2)
Flat Head Hex Socket
12-24x1"

Connecting Top & Bottom Rod Assemblies





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6. ALIGN TOP & BOTTOM ROD PINNING HOLES

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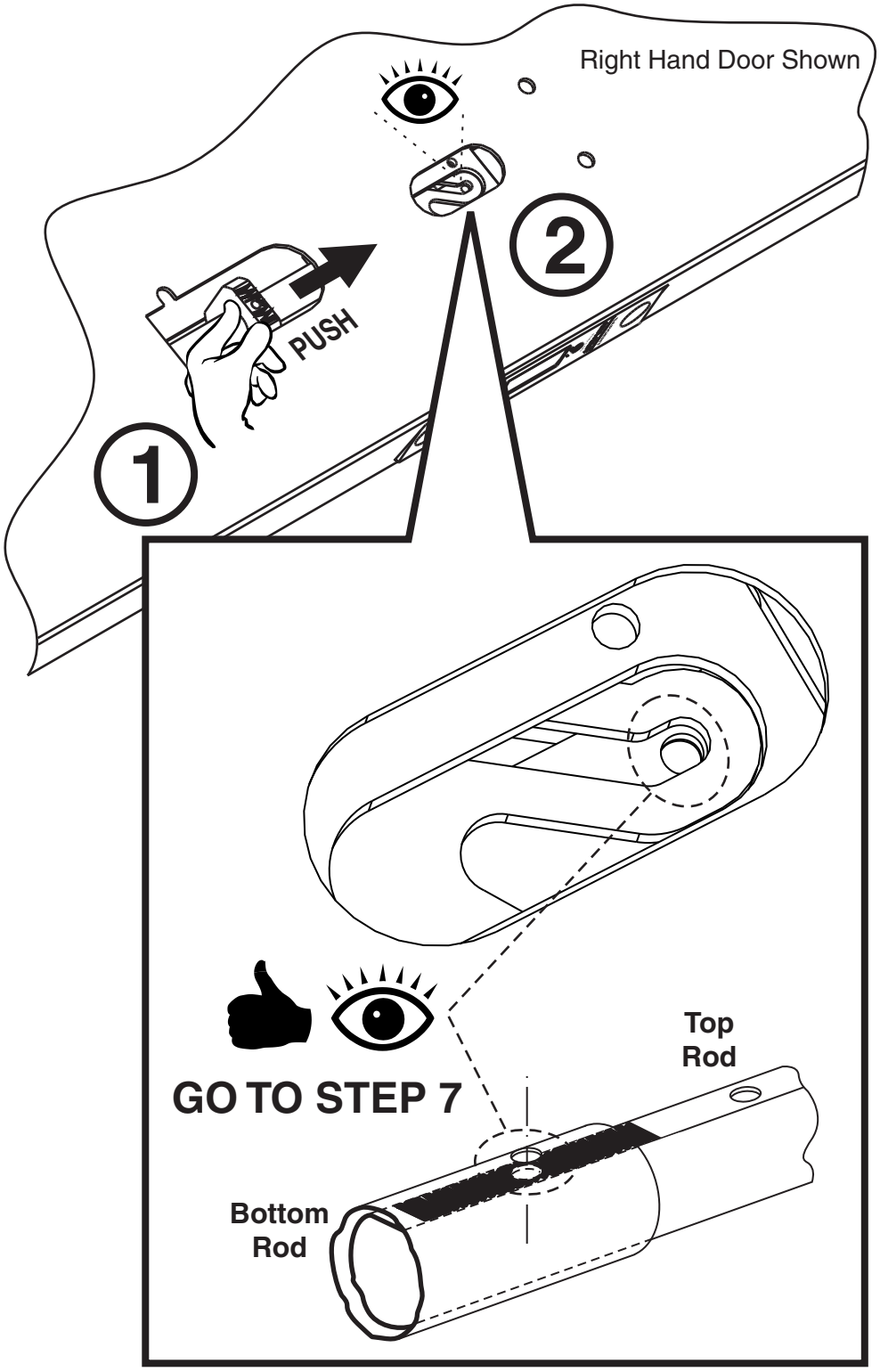
Align Assembly Pin Holes



GO TO STEP 6a OR 6b

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6a. ADJUST MISALIGNED PINNING HOLES UP

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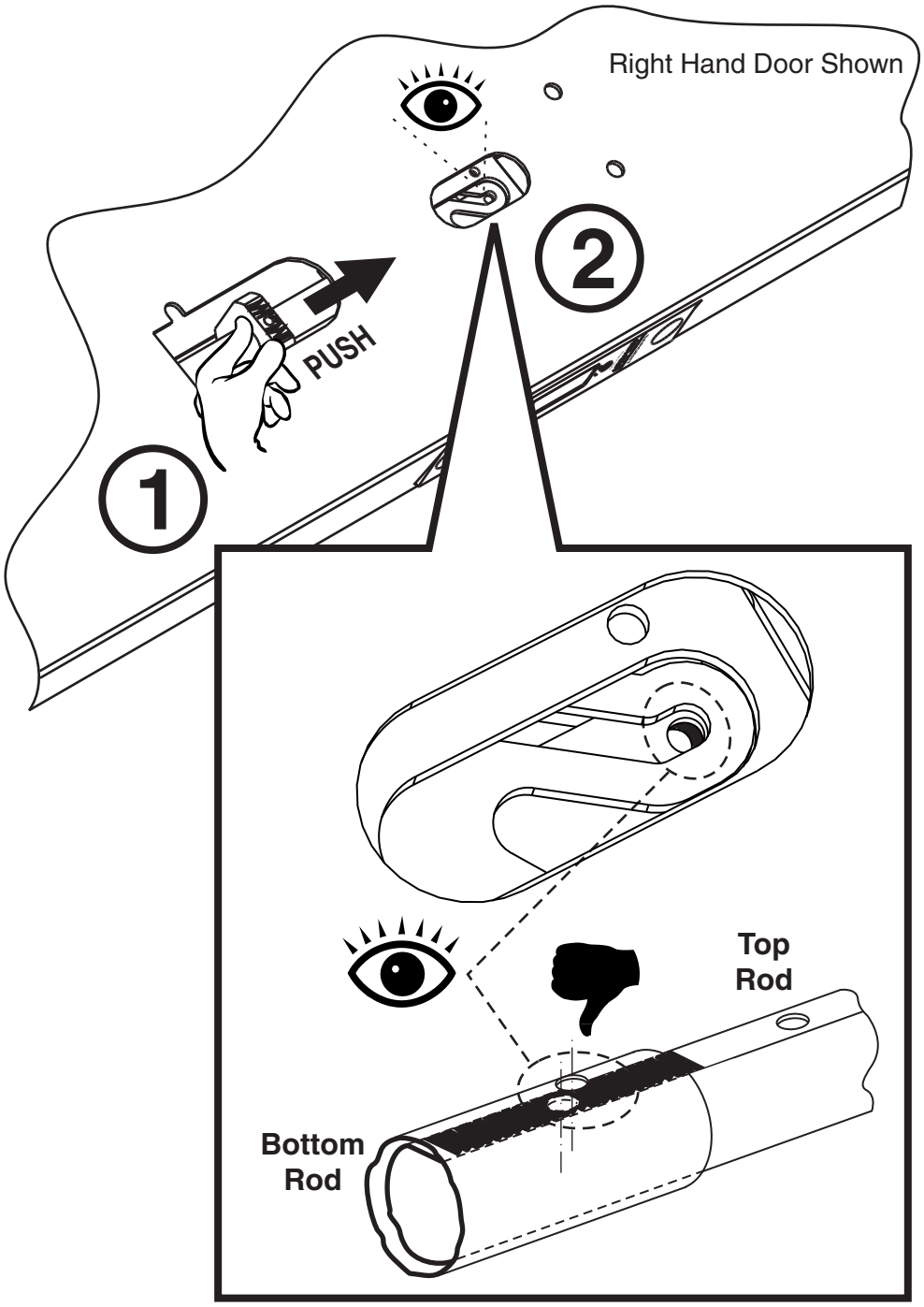
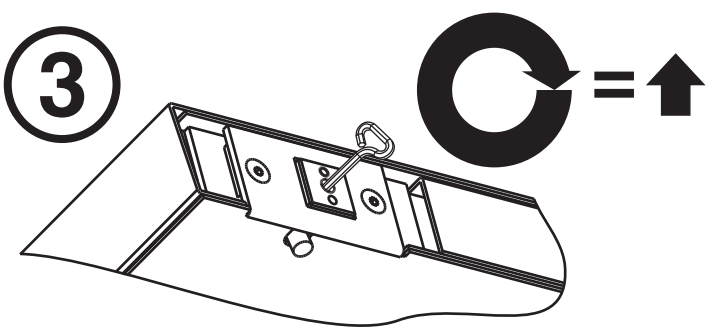
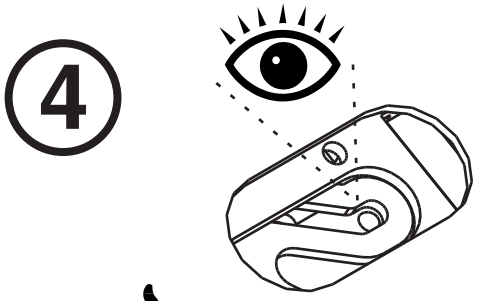
Adjust
Plunger
If Necessary







GO TO STEP 7

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6b. ADJUST MISALIGNED PINNING HOLES DOWN

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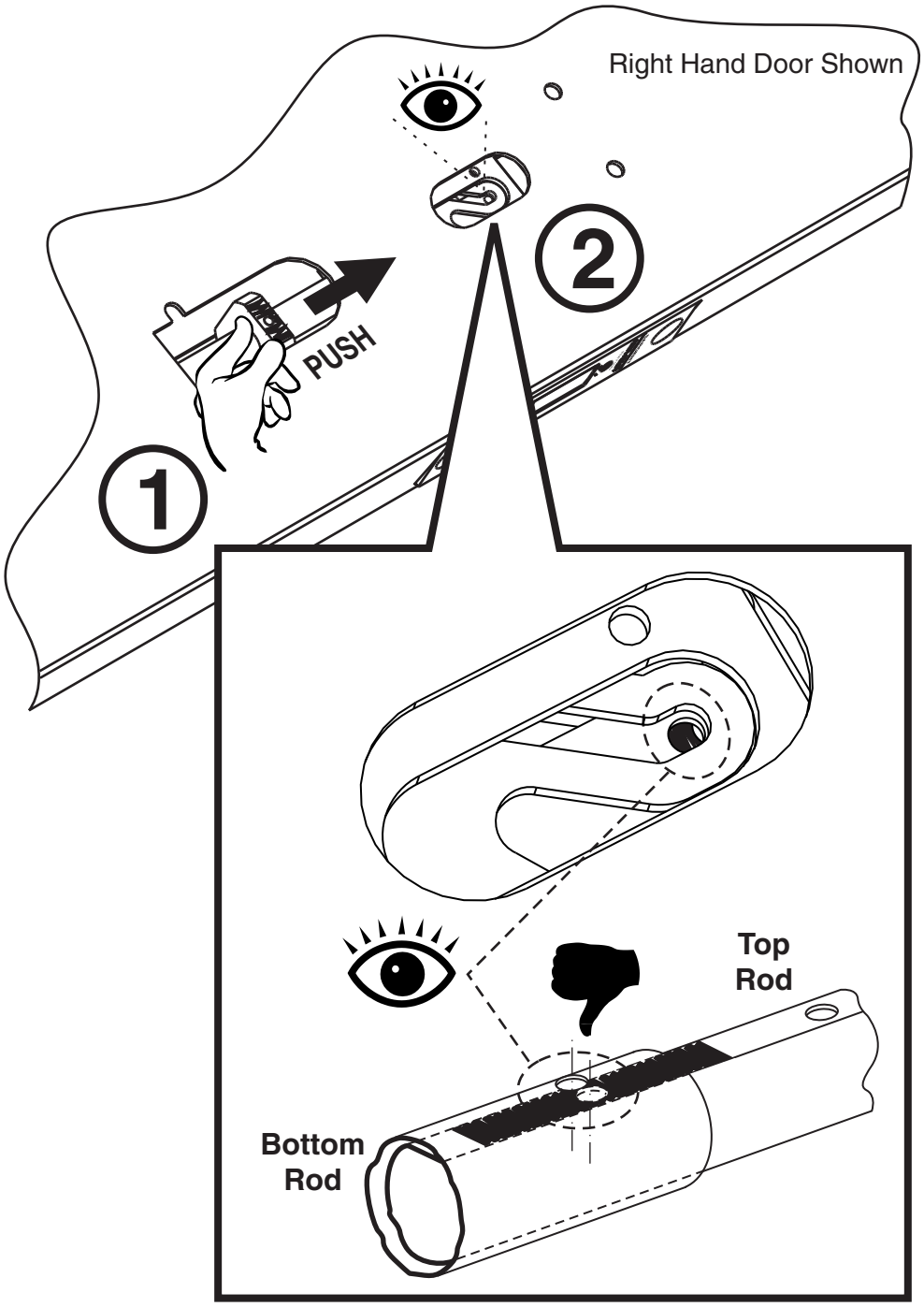
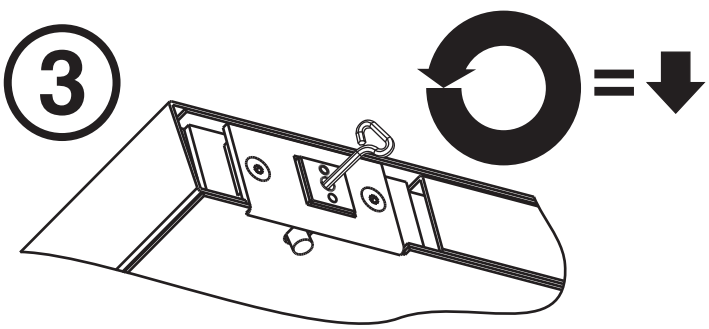
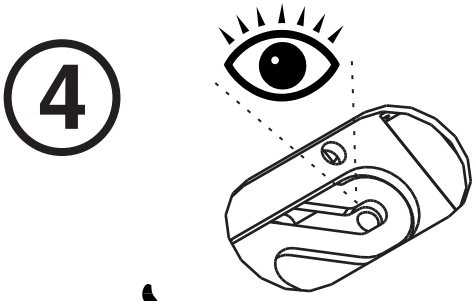
Adjust Plunger If Necessary







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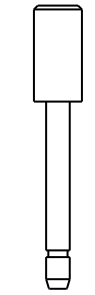
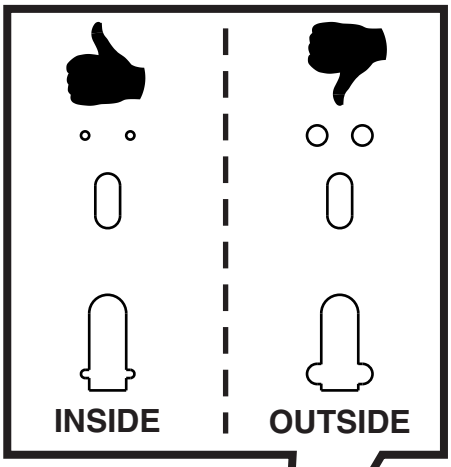
7. PIN THREE ASSEMBLIES

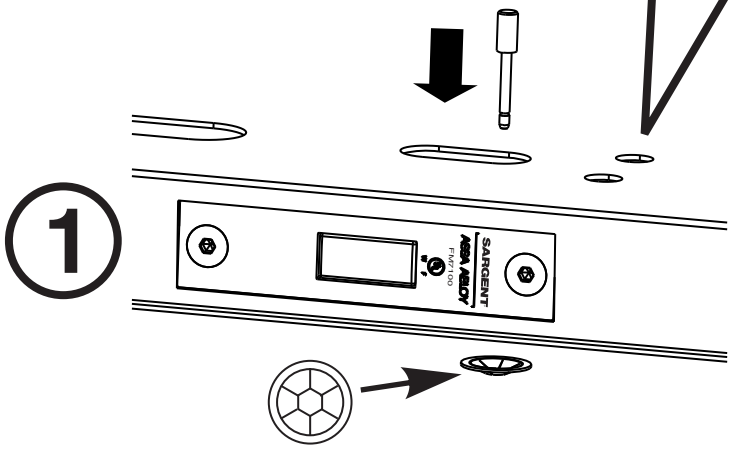


(1)
Drive Pin

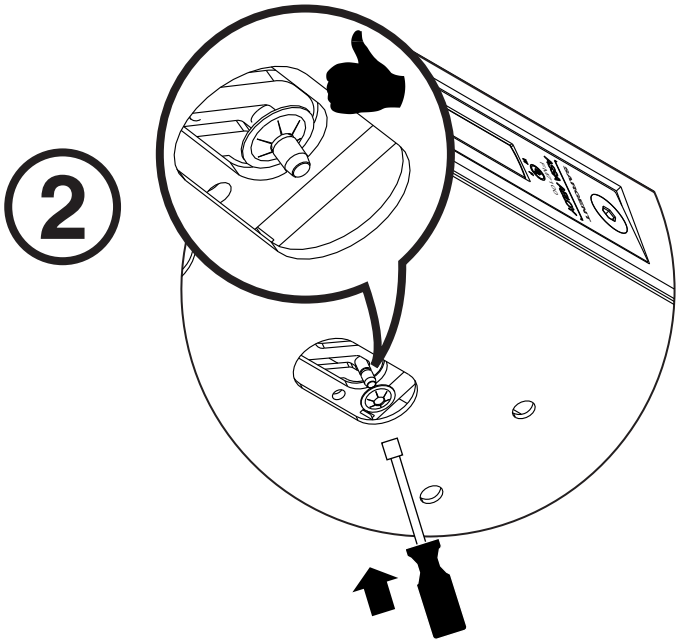
(1)
Push-on
Retaining
Ring



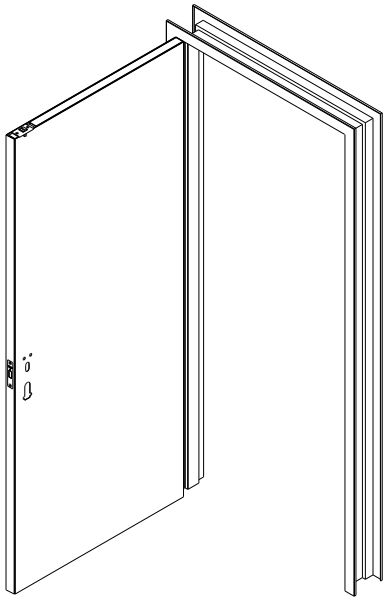
Insert
Drive Pin



Right Hand Door Shown



8. MOUNT DOOR TO FRAME



Right Hand
Door Shown

Do not trim door if door rubs along floor!

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9. CHECK FOR HOLD OPEN

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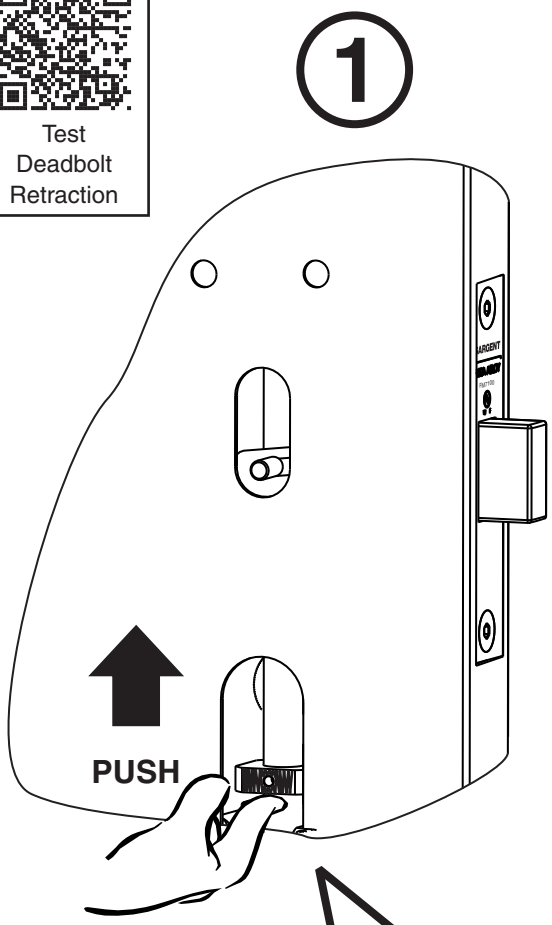
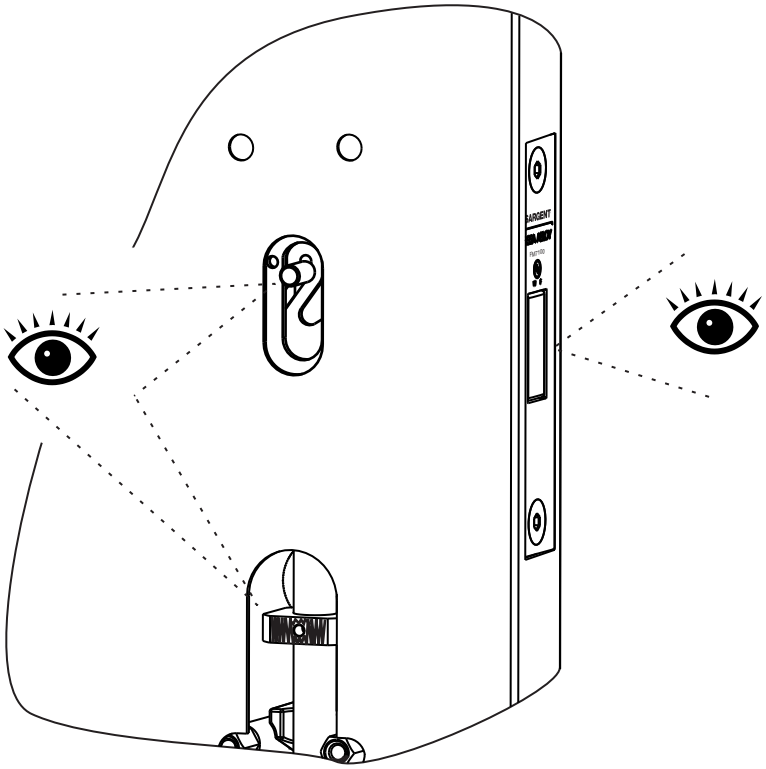
Test
Deadbolt
Retraction





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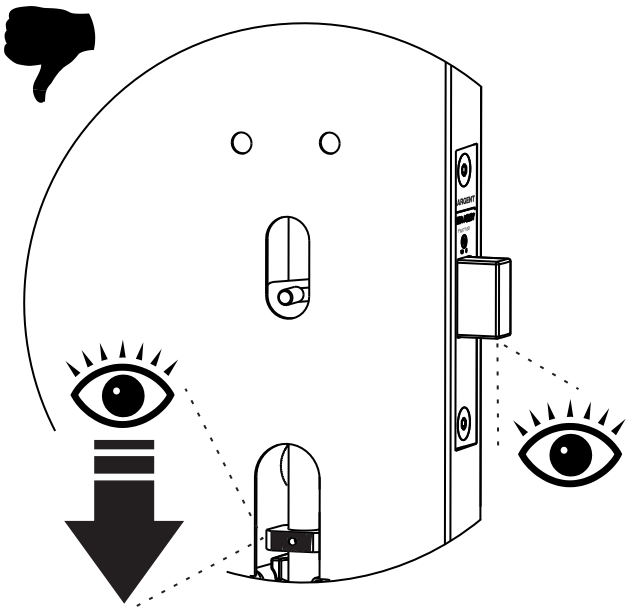

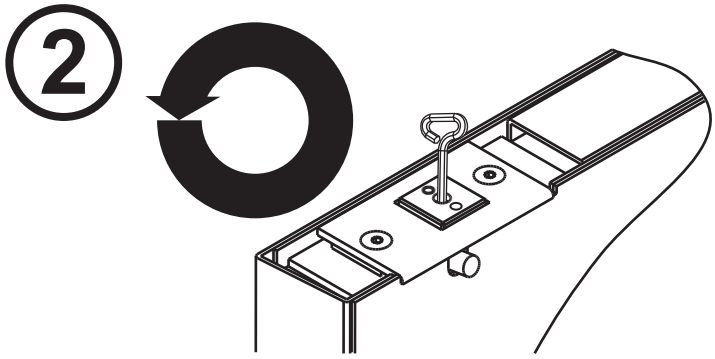

3 GO BACK TO 1

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10. ADJUST DEVICE

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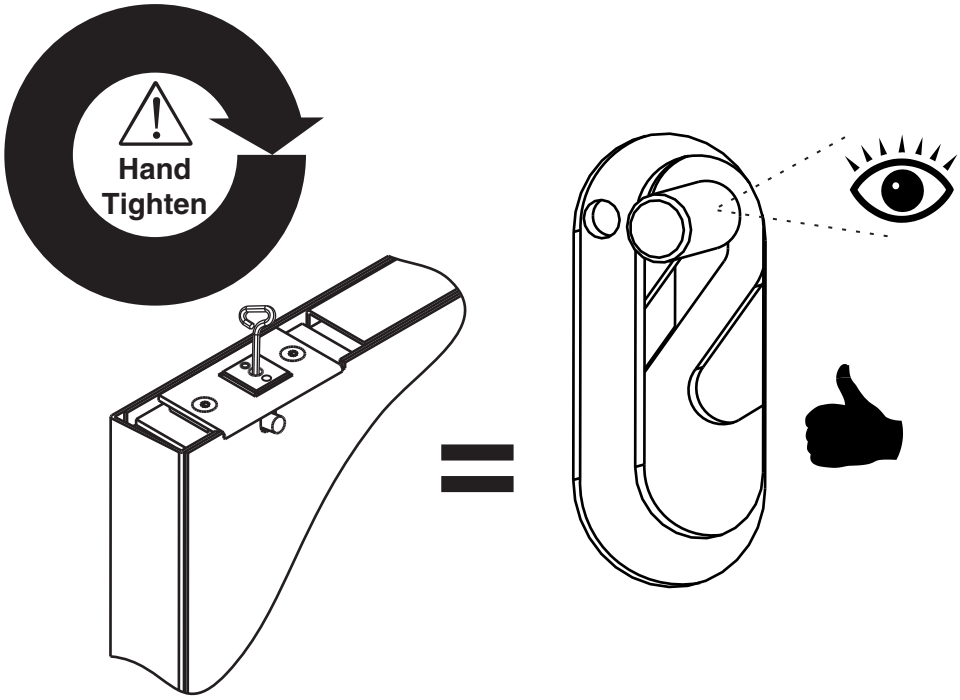
Plunger Rotations

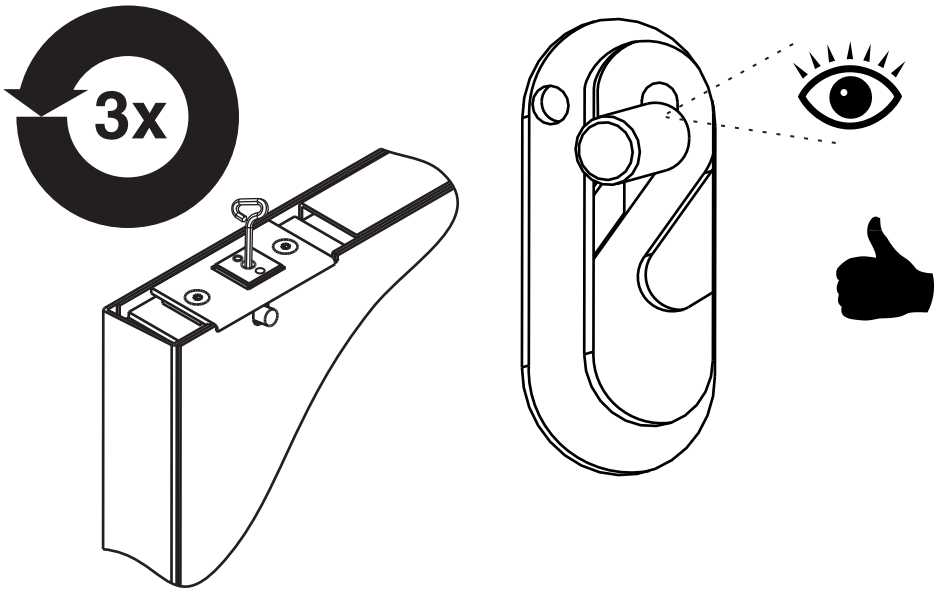
1

Device Must Be In HOLD OPEN Before Adjusting Device



2

Must Rotate Exactly 3 Revolutions



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11. TRIGGER DEVICE & FINAL CHECK

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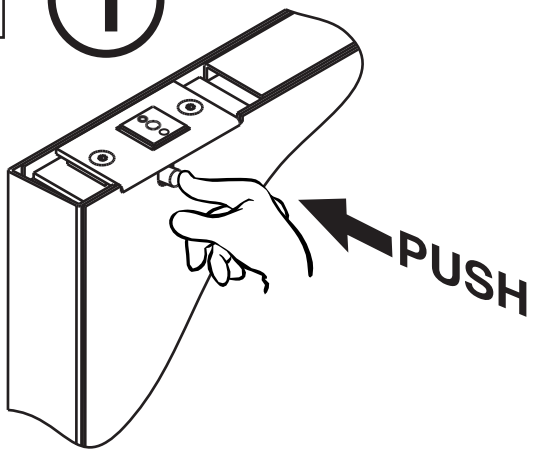
Device Check

1



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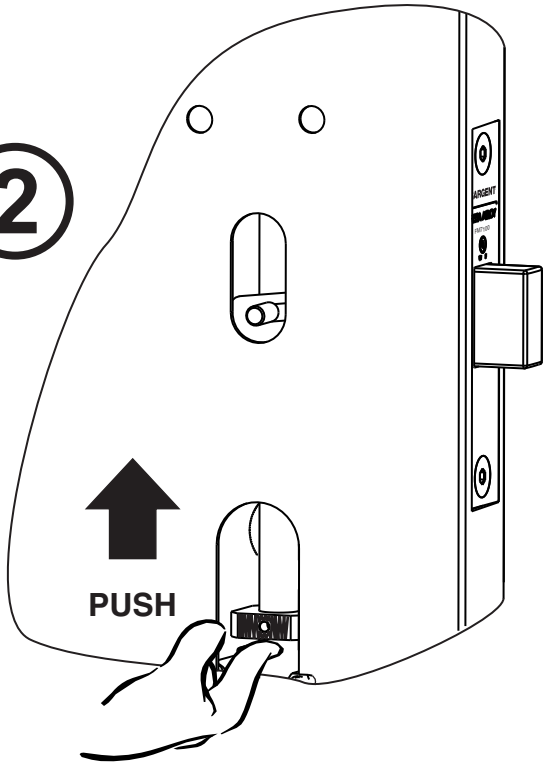

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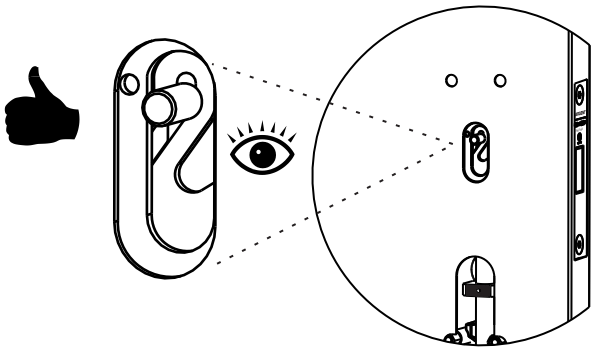
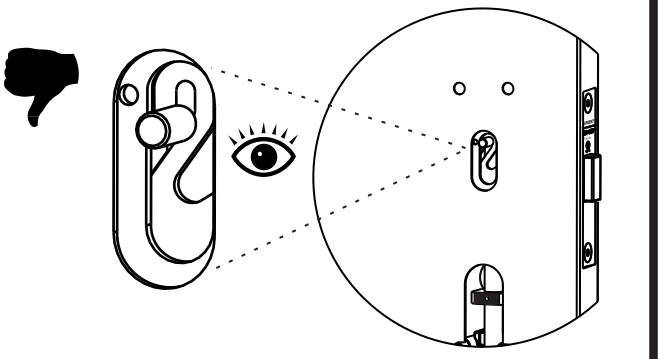
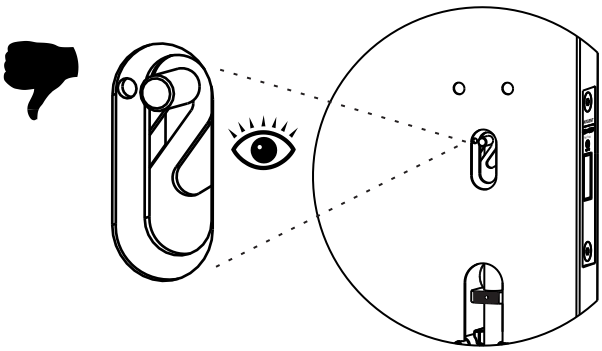




GO BACK TO STEP 10



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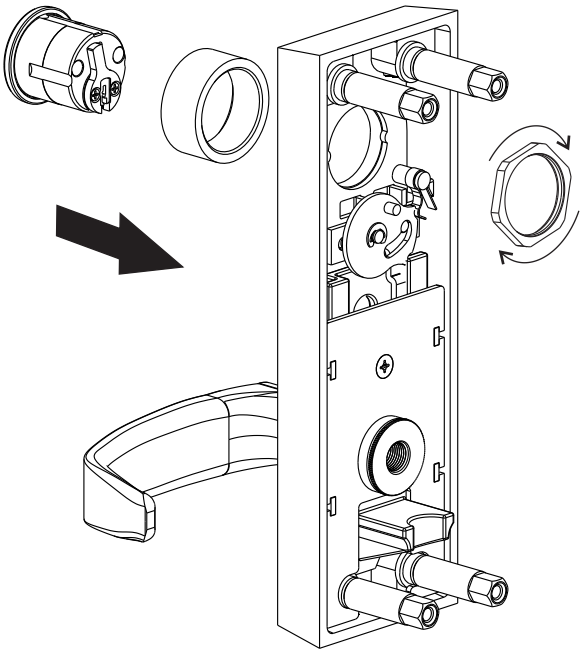
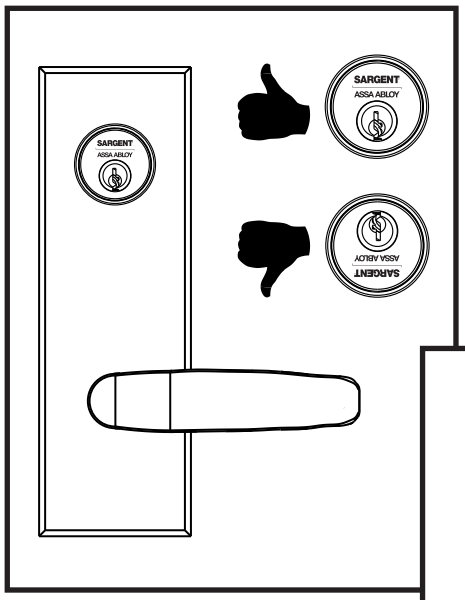
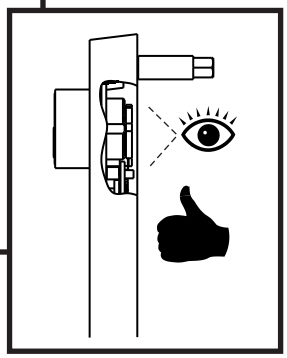
12. ASSEMBLE CYLINDER INTO OUTSIDE TRIM

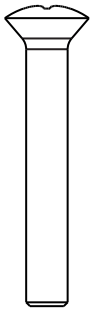




Cylinder Installation

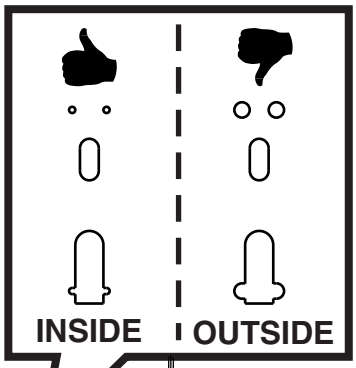


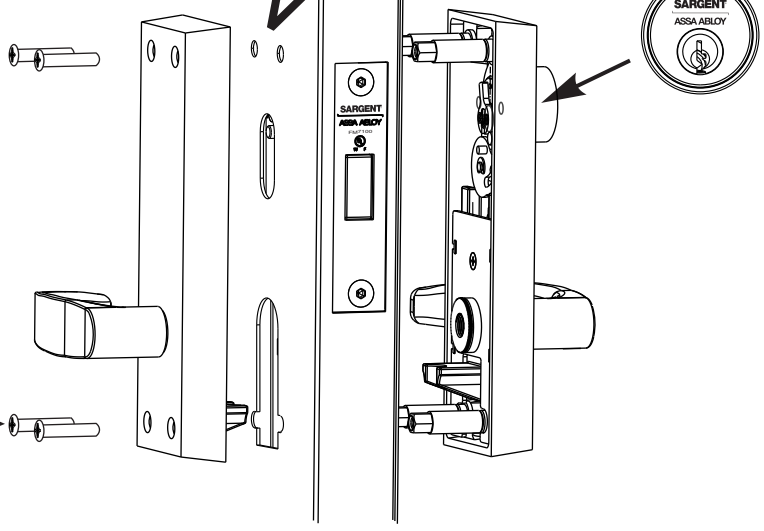
13. MOUNT OUTSIDE AND INSIDE TRIM



(4)
Oval Head Phillips
12-24x1 1/2"

Mount Inside and Outside Trim





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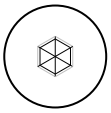
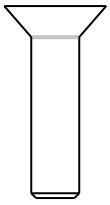
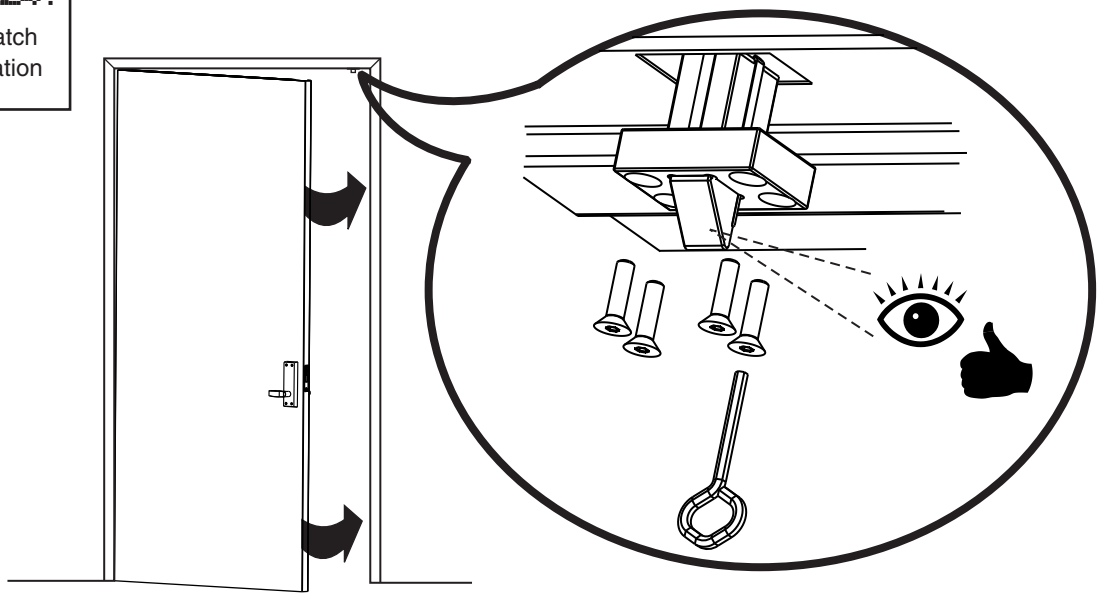
14. INSTALL TOP LATCH INTO DOOR FRAME



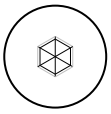


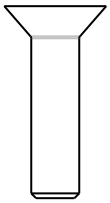
(4)
Flat Head Hex Socket
1/4-20x1"

Top Latch
Installation



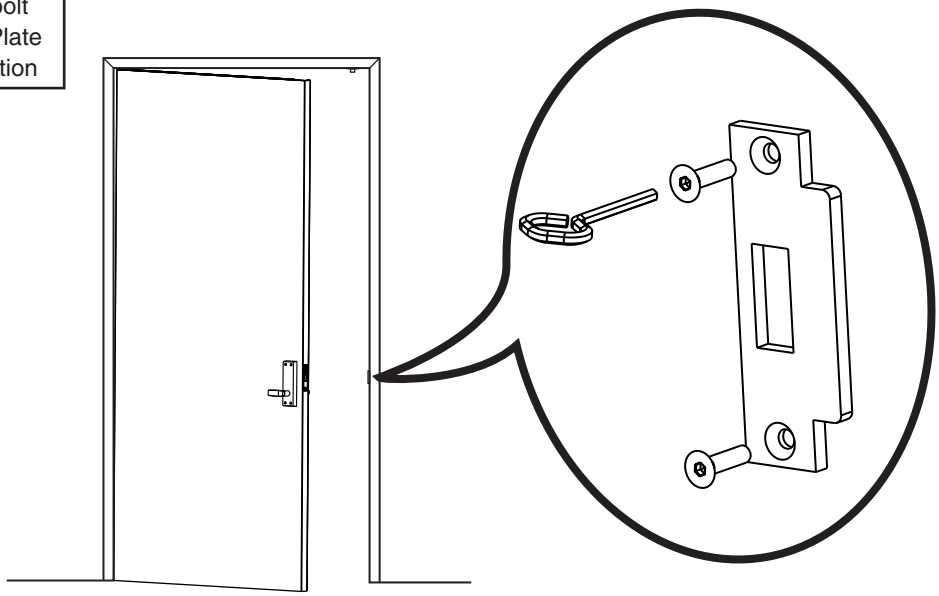
15. ATTACH DEADBOLT STRIKE PLATE TO FRAME





(2)
Flat Head Hex Socket
1/4-20x1"

Deadbolt
Strike Plate
Installation



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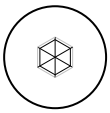
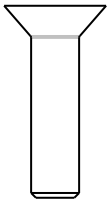
16. PREPARE FLOOR FOR BOTTOM STRIKE

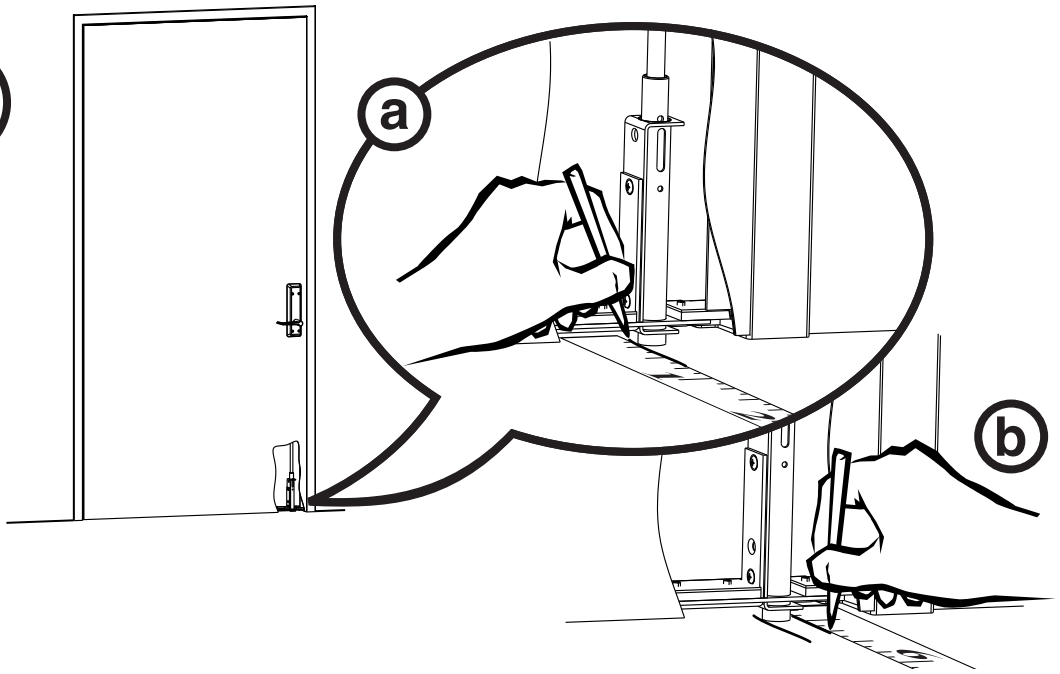


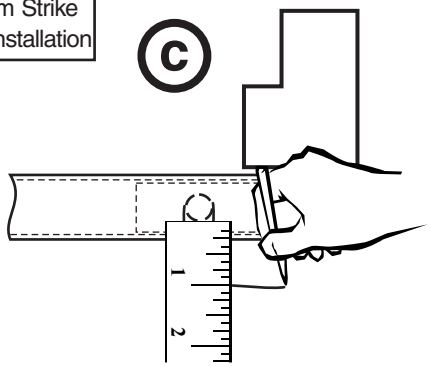


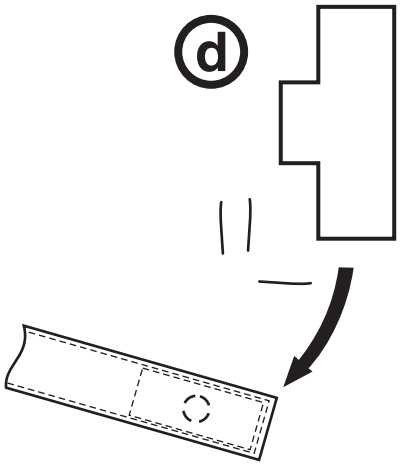
(2)
Flat Head Hex Socket
1/4-20x1"

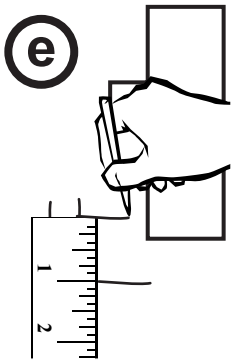
Dimensions for Bottom Strike Plate Installation

1

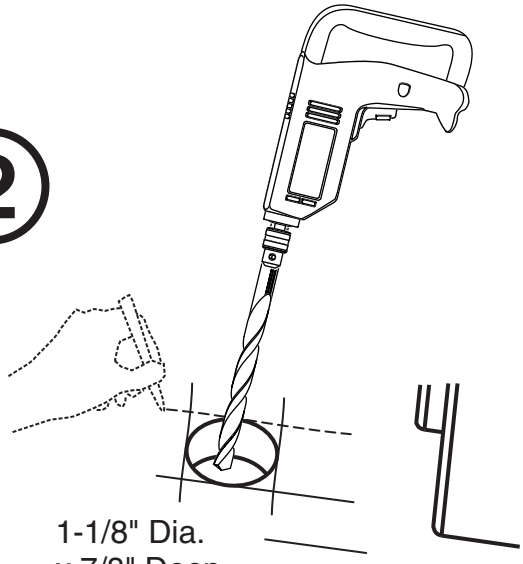






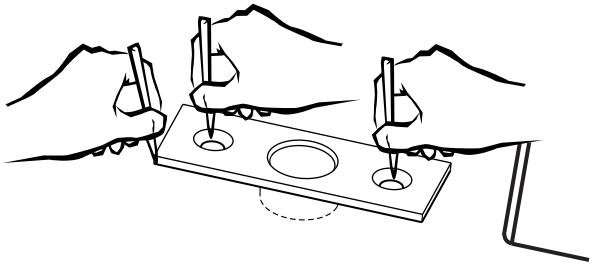


2



1-1/8" Dia.
x 7/8" Deep

3



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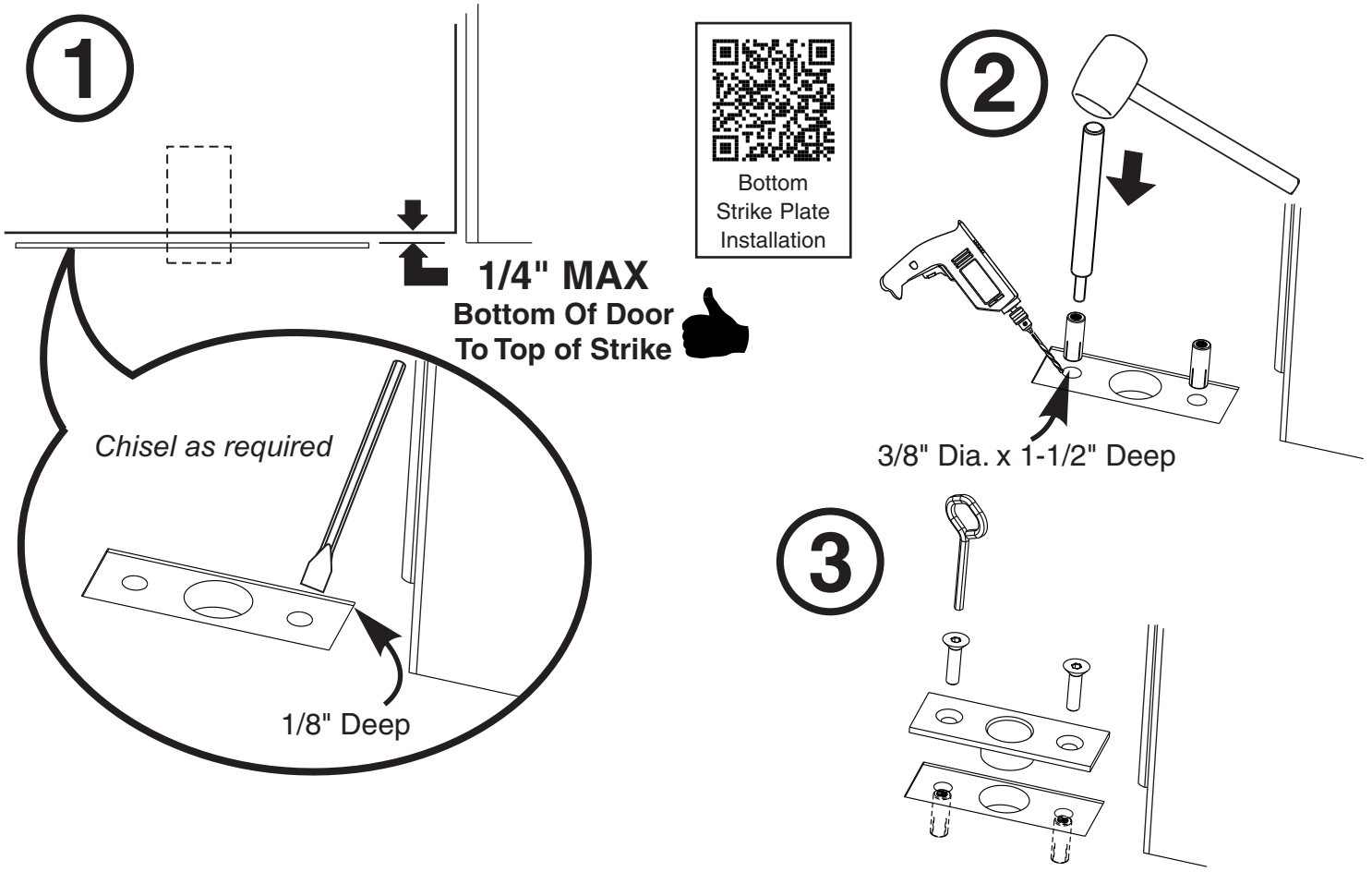
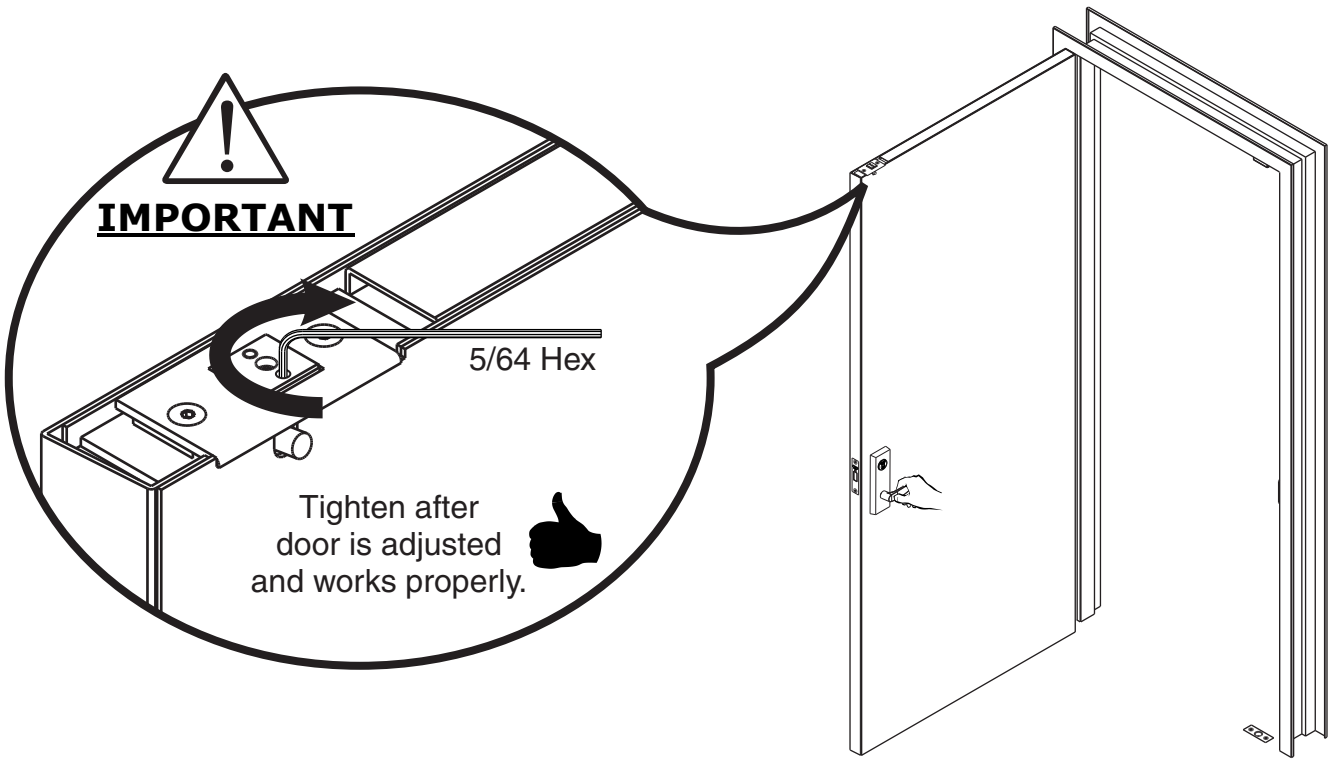
17. INSTALL BOTTOM STRIKE



18. TEST INSTALLATION



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