

Access 700™ TCPWI1

Installation Instructions

ML20700 TCPAC1 Series

Mortise Lockset

**Corbin
Russwin**

ASSA ABLOY

FM324 09/09

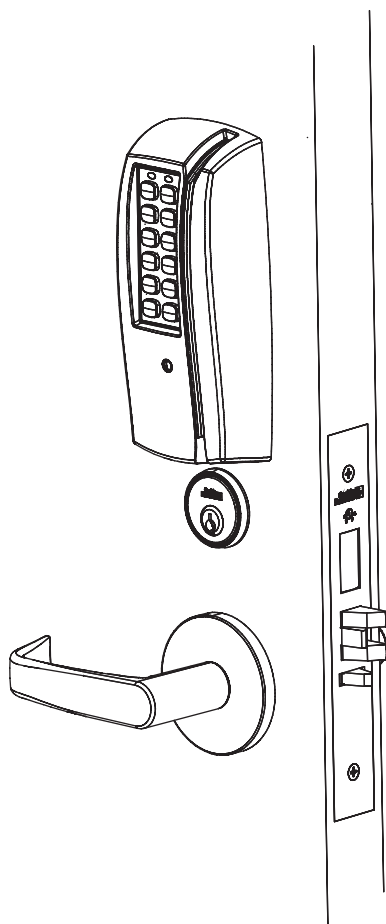
Attention Installer

Please read these instructions carefully to prevent missing important steps.

Please Note: Improper installations may result in damage to the lock and void the factory warranty.

Important: The accuracy of the door preparation is critical for proper functioning and security of this lock.

Misalignment can cause premature wear and a lessening of security.



For Technical Assistance call Corbin Russwin at 1-800-810-WIRE (9473)

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1) Warning

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced technician for help

The term “IC:” before the radio certification number only signifies that Industry Canada technical specifications were met. This Class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cet appareillage numérique de la classe B répond à toutes les exigences de l’interférence canadienne causant des règlements d’équipement. L’opération est sujette aux deux conditions suivantes: (1) ce dispositif peut ne pas causer l’interférence nocive, et (2) ce dispositif doit accepter n’importe quelle interférence reçue, y compris l’interférence qui peut causer l’opération peu désirée.

 To comply with “Fire Listed” doors, the batteries must be replaced with alkaline batteries only.

 Observe precautions for handling electrostatic sensitive devices.

2) General Description

Designed specifically for the campus market, the Corbin Russwin Access 700 TCPAC1 Series mortise lock is a new breed of electronic lock, providing wireless online card/pin access control, as well as detailed audit capabilities. Using WiFi technology and coupled with PERSONA Campus™ software, the P2 online lock offers a complete, integrated access control system.

The Passport 1000 P2 operates on six (6) “AA” alkaline batteries and may be used for both indoor and outdoor applications. A weather-protective gasket is recommended for outdoor applications.

3) Specifications / Features

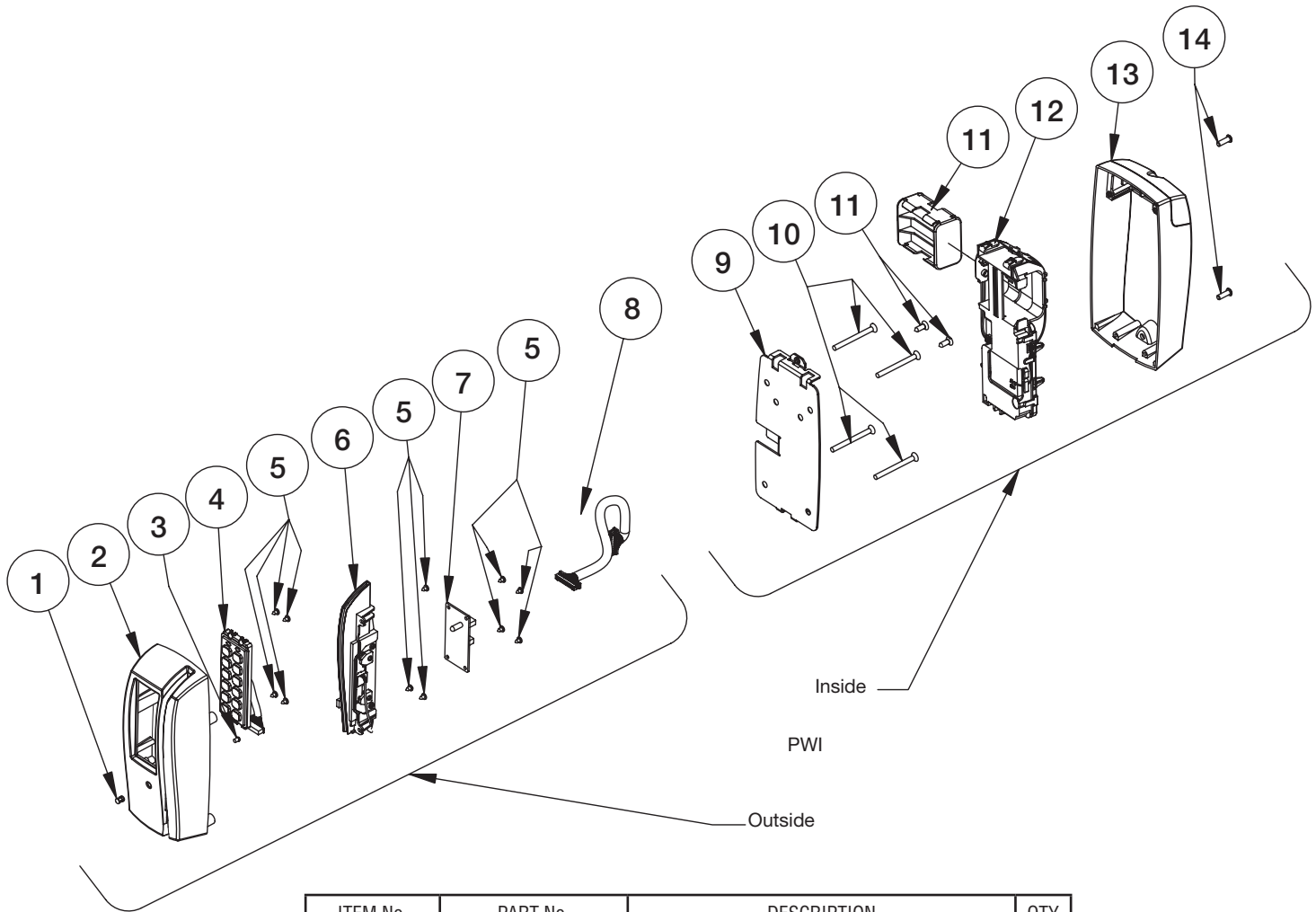
Hardware Specifications

- Latch – Stainless Steel (Easily field reversible without disassembling lockbody)
- Deadbolt – Stainless Steel
- Door Thickness – 1-3/4” Standard; can be furnished for other door thicknesses upon request. Consult factory.
- Case – 12 gauge heavy duty wrought steel
- Outside lever controlled by keypad/magstripe card, or key retracts latch
- Inside lever retracts latch
- BHMA Grade 1; UL Fire Listed
- Card Coercivity: HiCo (400 Oersted) or LoCo (300 Oersted)

Electrical Specifications:

- 2400 users per door
- 2400 event transaction audit trail
- Multiple time zone and holiday access scheduling
- First-In unlock configuration, either by time or by valid time or by user (selectable)
- Input power: DC 9V, 1.5A (6 AA Alkaline Batteries or Electrical Power)
- Use existing magstripe ID cards (high or low coercivity)
- New key cards can invalidate and reactivate keycards/users – encoded quickly and easily through the “Conference Guest Wizard”
- Assign pre-defined access patterns and access points as well as key card start and end times (group or individually)

4) Product Illustration

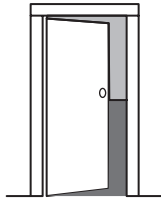


ITEM No.	PART No.	DESCRIPTION	QTY
1	795F069	Light Pipe Lens	1
2	795F145 FIN	Escutcheon, O/S, PWI With Keypad	1
2	795F135 FIN	Escutcheon, O/S, PWI Without Keypad	1
3	795F059	Light Pipe	1
4	795F039	Keypad Assy	1
5	795F318	Screw #4-40x1/4	11
6	795F849	Swipe Reader	1
7	795F859	Online Interface PCB	1
8	795F079	Online Harness	1
9	795F088	Mounting Plate	1
10	323F818	Screw, #8-32 x 2	4
11	743F768	Screw, #8 x 3/8	2
12	795F839	Electronics, Access 700PWI,	1
13	795F105 FIN	Escutcheon, I/S	1
14	795F197	Screw, #8-32 x 1/2" Torx-Pin	2

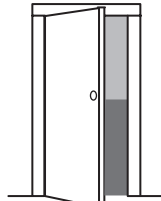
5) Installation Instructions

1. Verify Hand and Bevel of door:

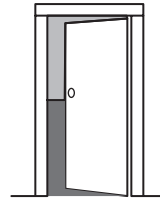
Illustrations shown are as viewed from the outside or secure side of opening.



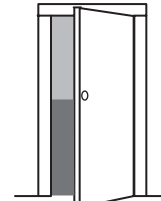
Left Hand
Hinges Left.
Open Inward.
"LH"



Left Hand
Reverse Bevel
Hinges Left.
Open Outward
"LHRB"

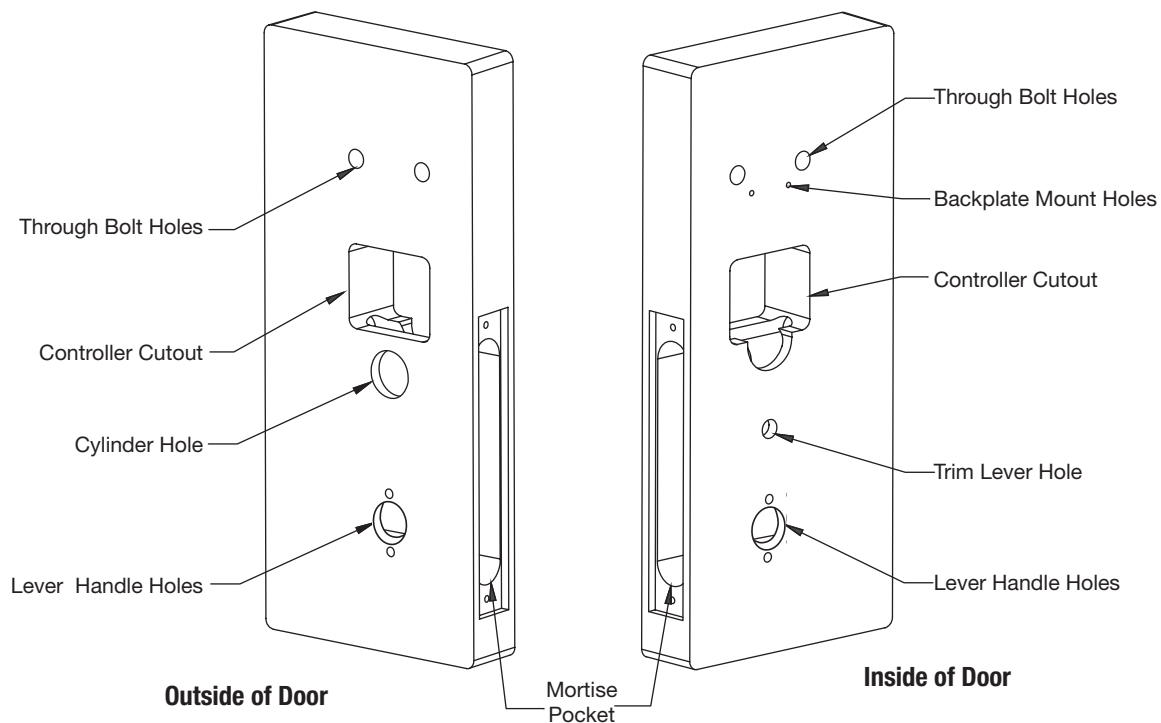


Right Hand
Hinges Right.
Open Inward.
"RH"



Right Hand
Reverse Bevel
Hinges Right.
Open Outward
"RHRB"

2. Prep door according to door template T31076 : visit www.corbinrusswin.com.



5) Installation Instructions (Continued)

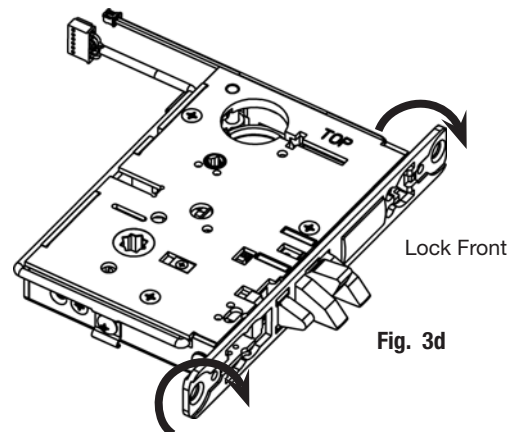
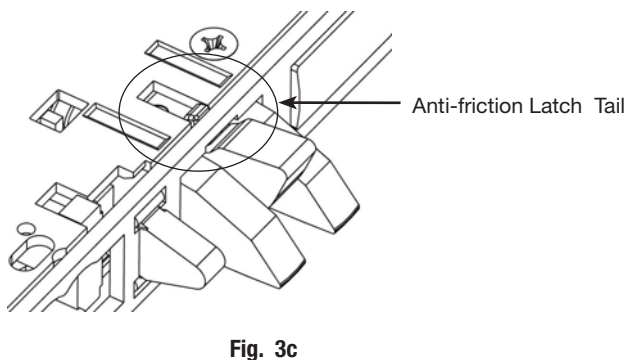
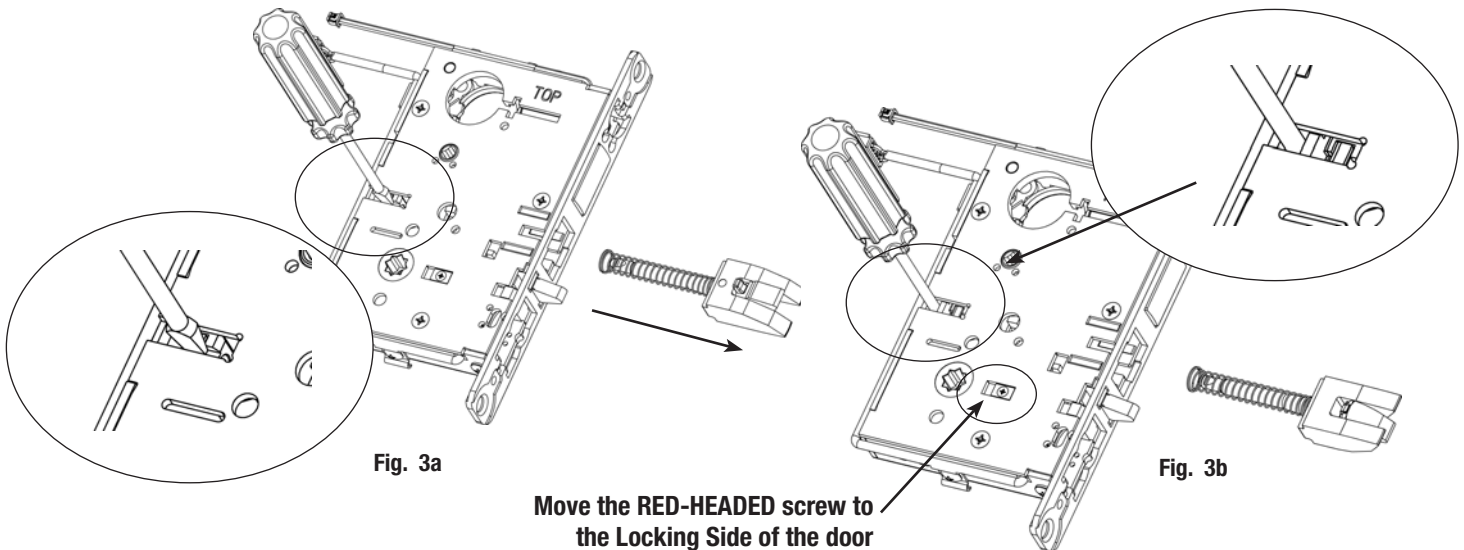
3. Handing of Lock Body:

If necessary re-hand latch and move RED locking screw to side of lockbody to side of lock body to be locked:

- Push in latch while gently pushing on catch plate with screwdriver (Fig. 3a).
- Release latch and remove from lock body.
- Turn over latch and re-install in lock body; Be sure anti-friction latch tail hooks into front (Fig. 3c).
- Hold screwdriver behind tail socket while pushing in latch. Push latch until 'click' is heard (Fig. 3b).

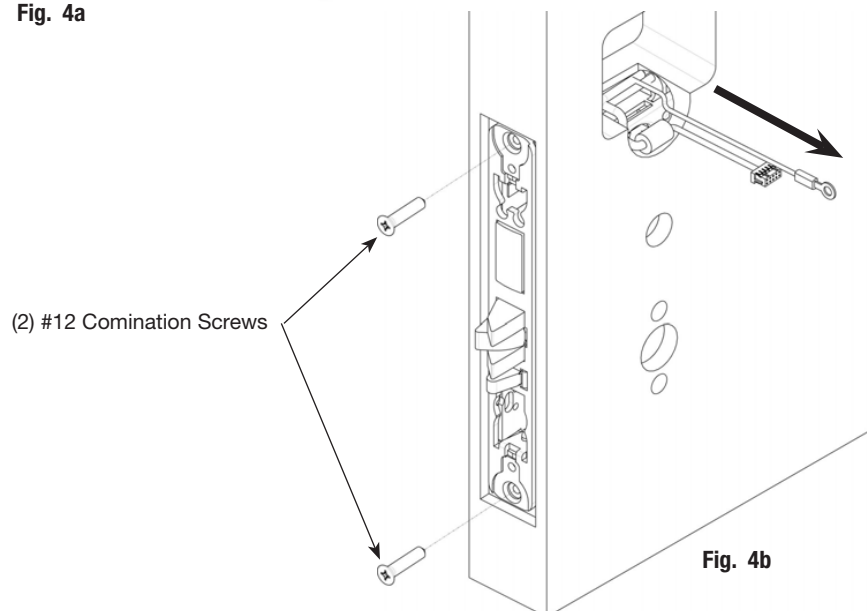
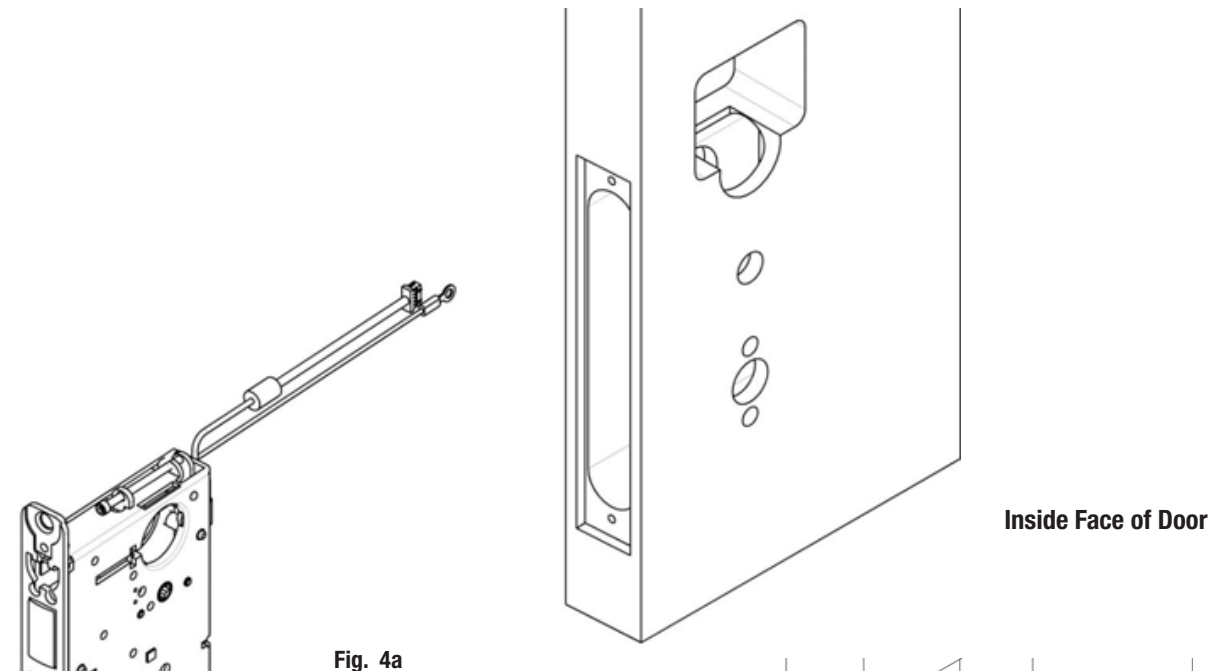
Note: Pull on latch to make sure it is secure.

- Rotate lock front to match bevel of door by inserting screwdriver into lock mounting holes and twisting (Fig. 3d).



5) Installation Instructions (Continued)

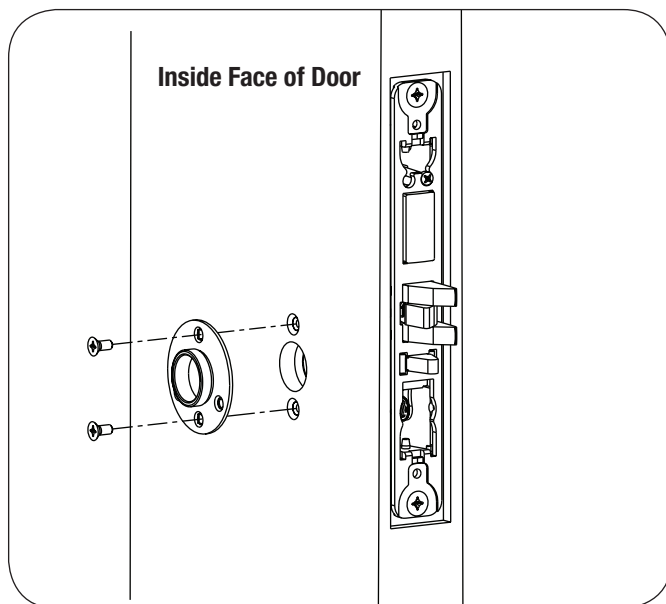
4. Install Lock Body into Door:
 - a. Feed wires through hole on **INSIDE** of door while installing lock body (Fig. 4a).
 - b. Pull wires through hole while inserting lockbody (Fig. 4b).
DO NOT push wires back into cylinder hole.
- IMPORTANT:** Door must remain open during installation. Use door stop.
- c. Install, but do not tighten two #12 x 1" combination screws through lock body (Fig. 4b).



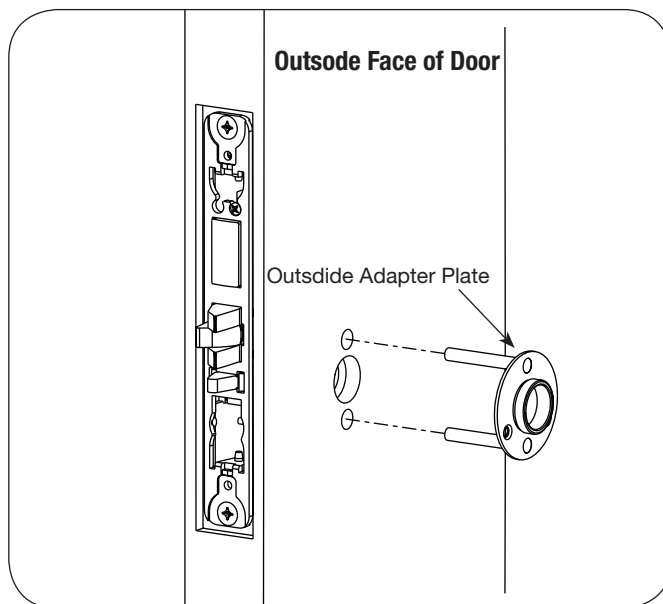
5) Installation Instructions (Continued)

5. Install Standard Lever Trim Instructions:

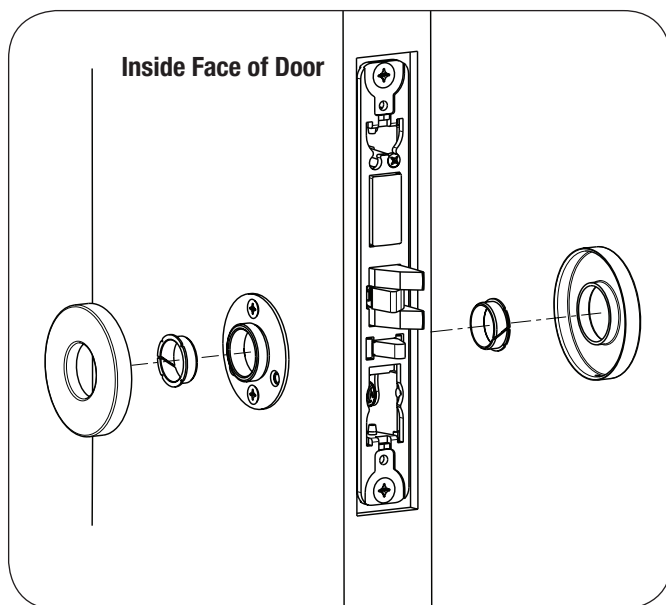
Step 1a



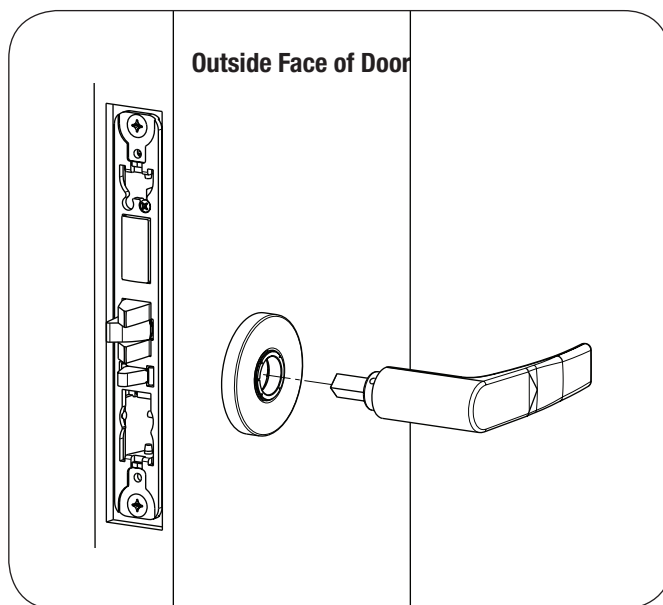
Step 1b



Step 2



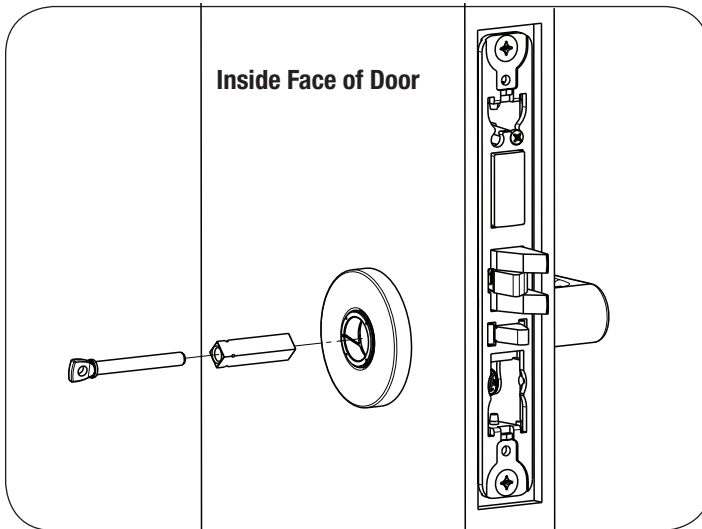
Step 3



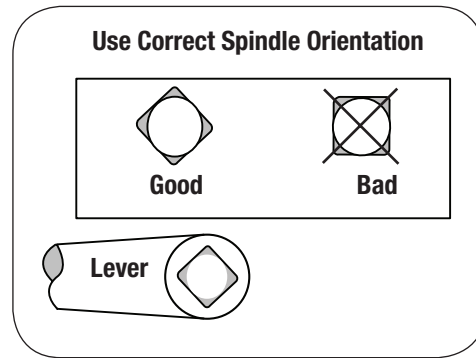
5) Installation Instructions (Continued)

5. Install Standard Lever Trim Instructions (continued):

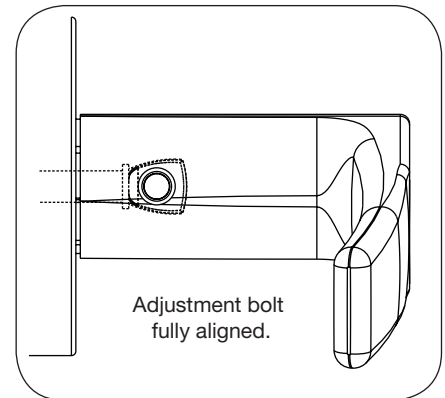
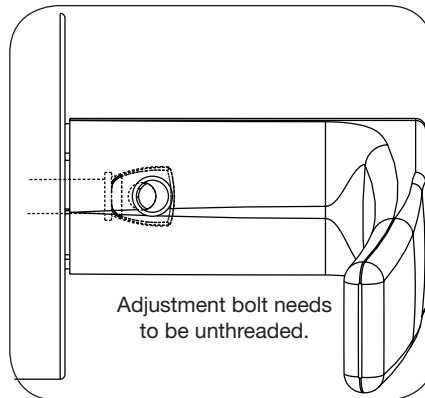
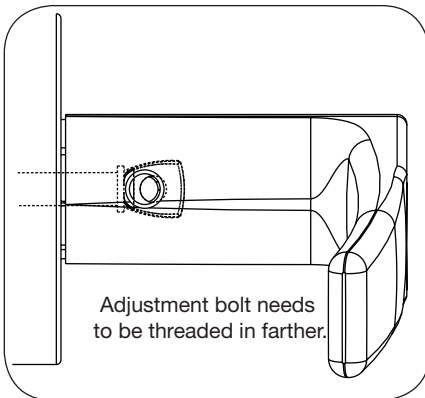
Step 4A



Step 4B



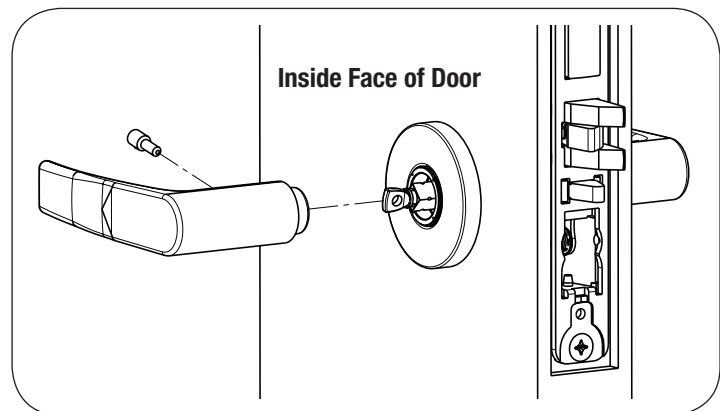
Step 5 - Align adjustment bolt with threaded hole in lever



Step 6

Notes:

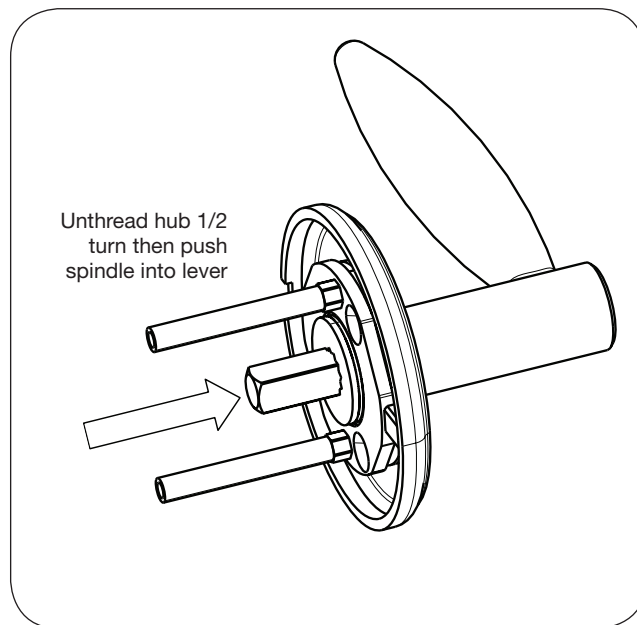
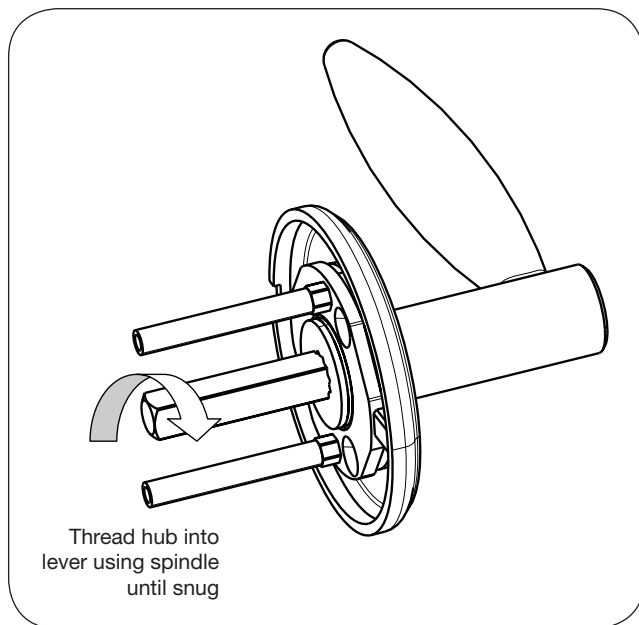
- Unthread Adjustment Bolt approximately four turns for a good starting point (After being fully tightened)
- Make sure O/S lever is fully inserted into adapter plate before aligning adjustment bolt.



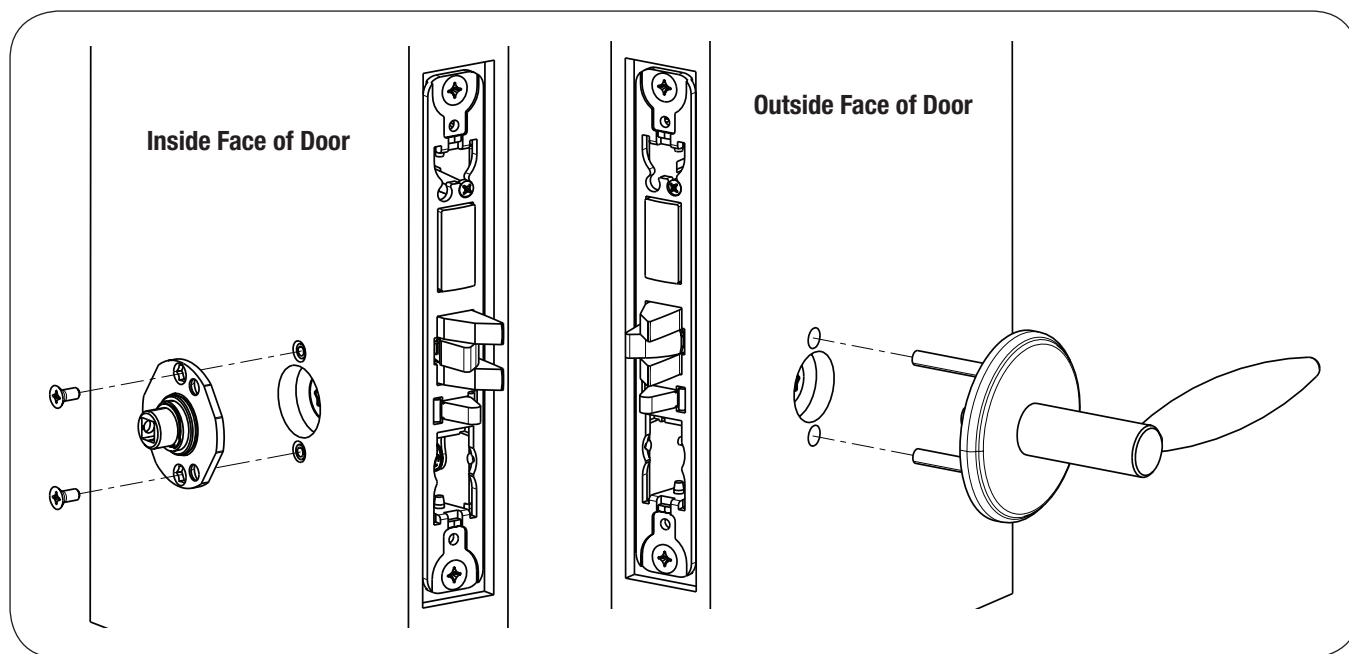
5) Installation Instructions (Continued)

6. Install **MUSEO** Lever Trim:

Step 1



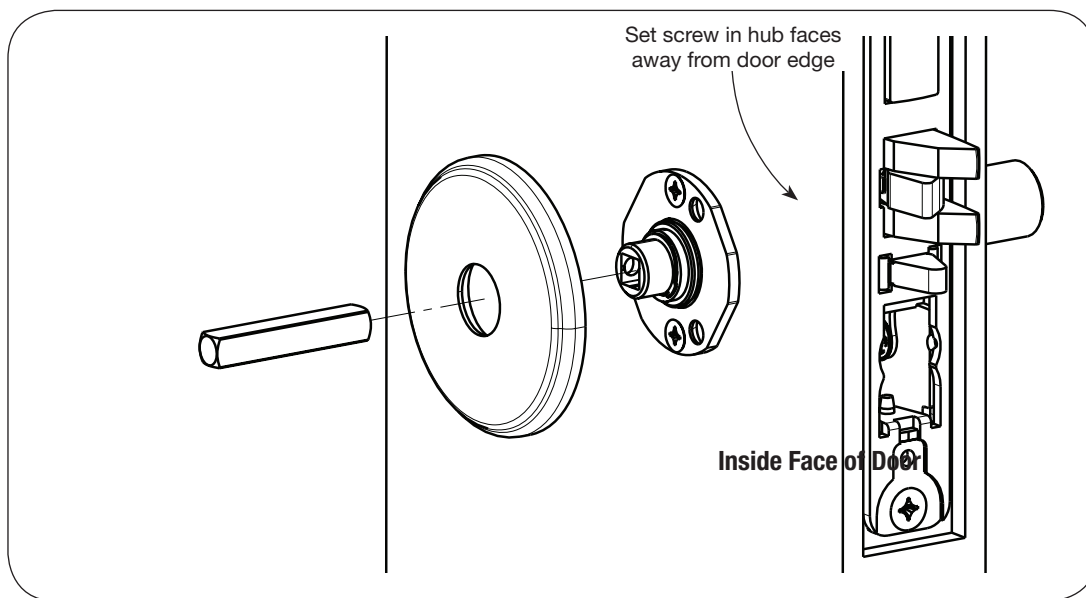
Step 2



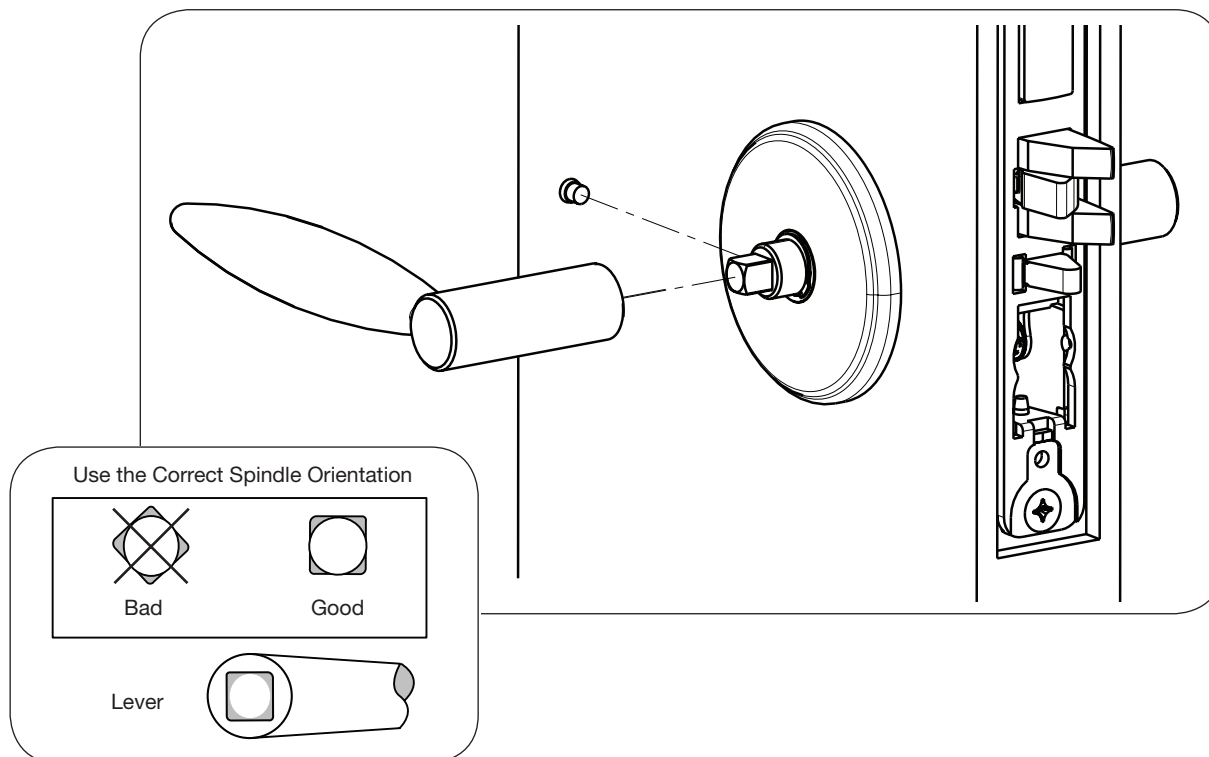
5) Installation Instructions (Continued)

6. Install **MUSÉO** Trim (continued):

Step 3



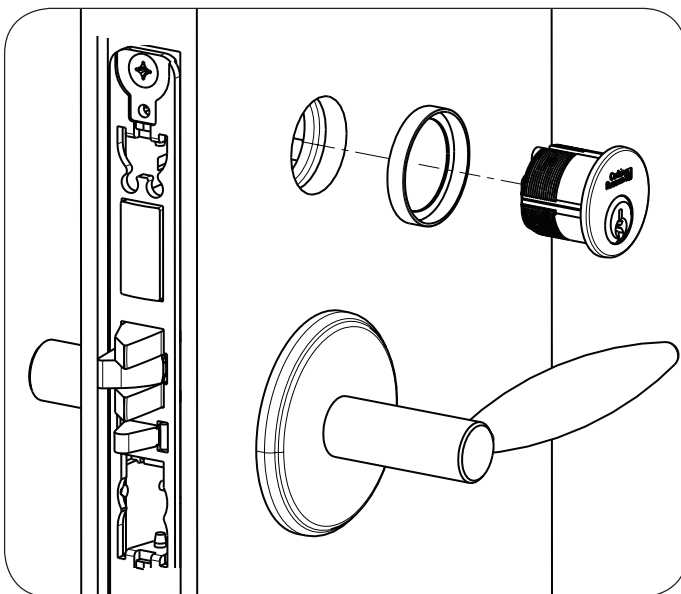
Step 4



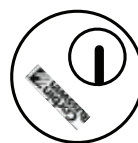
5) Installation Instructions (Continued)

7. Install Cylinder and Scalp:

Step 1



Key and cylinder must be rotated.

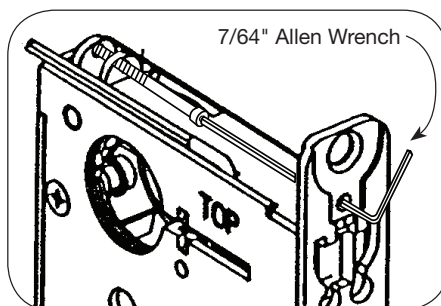


Incorrect

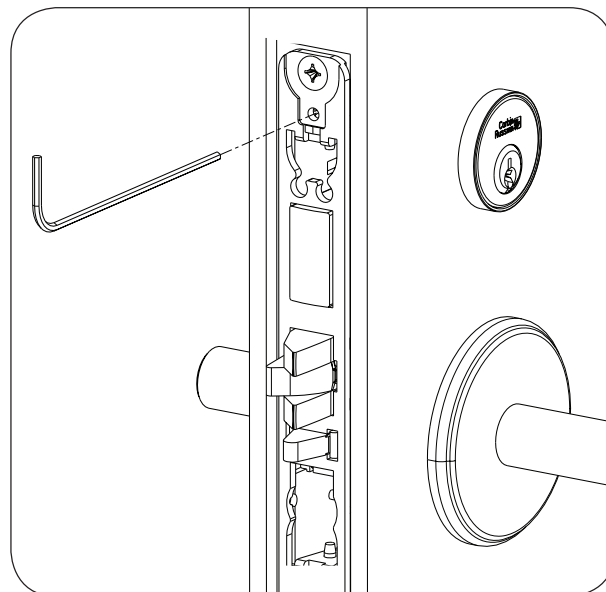


Correct

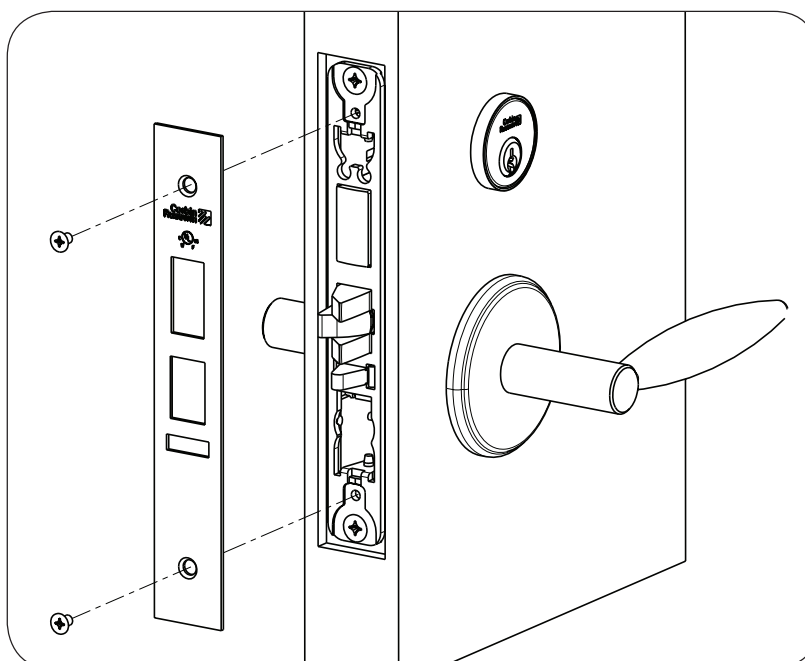
Step 2



7/64" Allen Wrench



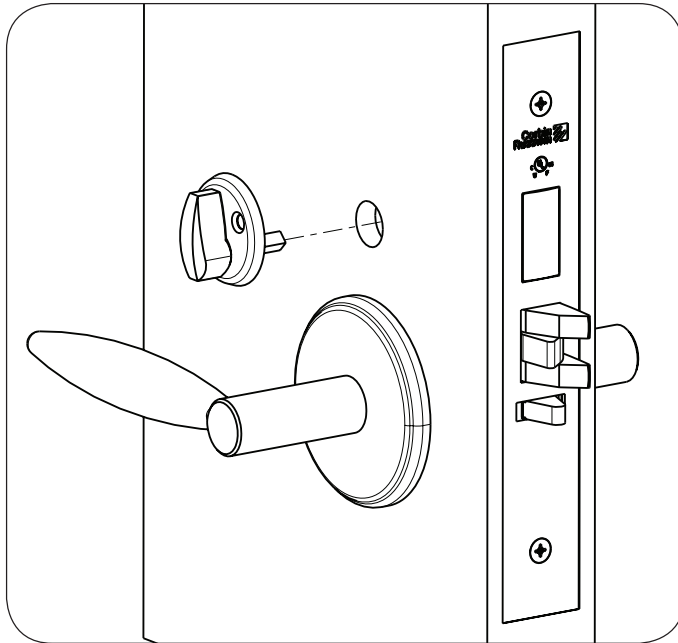
Step 3



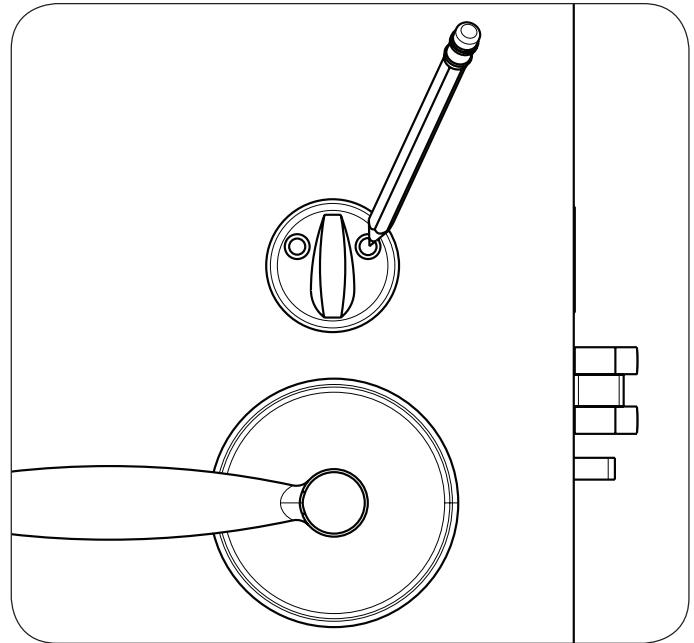
5) Installation Instructions (Continued)

8. Install Turn Piece:

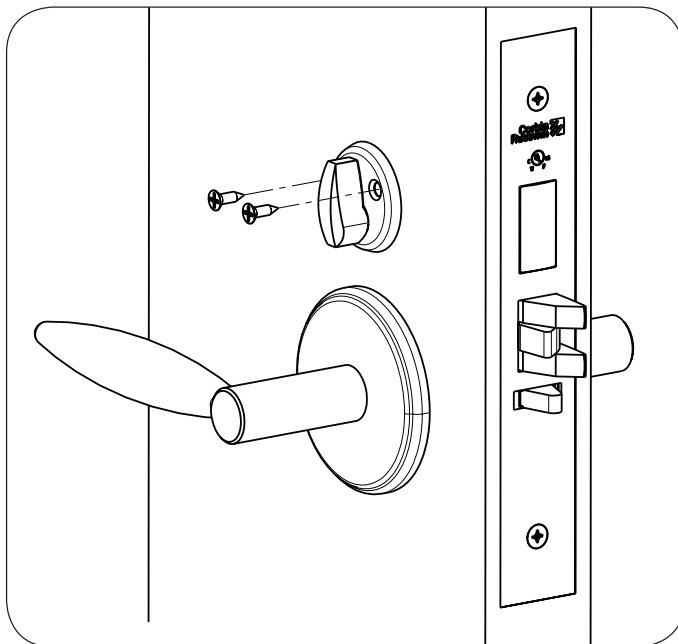
Step 1



Step 2



Step 3



9. Install (optional) Weatherseal Gasket:

For non-fire rated door applications, an optional gasket may be used as a weatherseal between the escutcheon and the outside door surface.

Peel off the adhesive backing on the gasket and install the gasket along the edge of the outside escutcheon assembly (Fig. 9a).

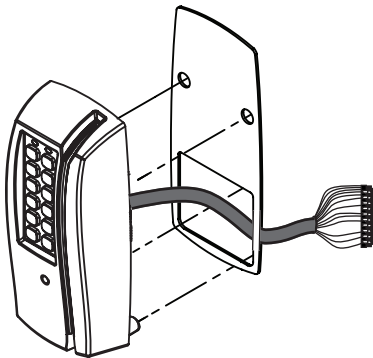


Fig. 9a

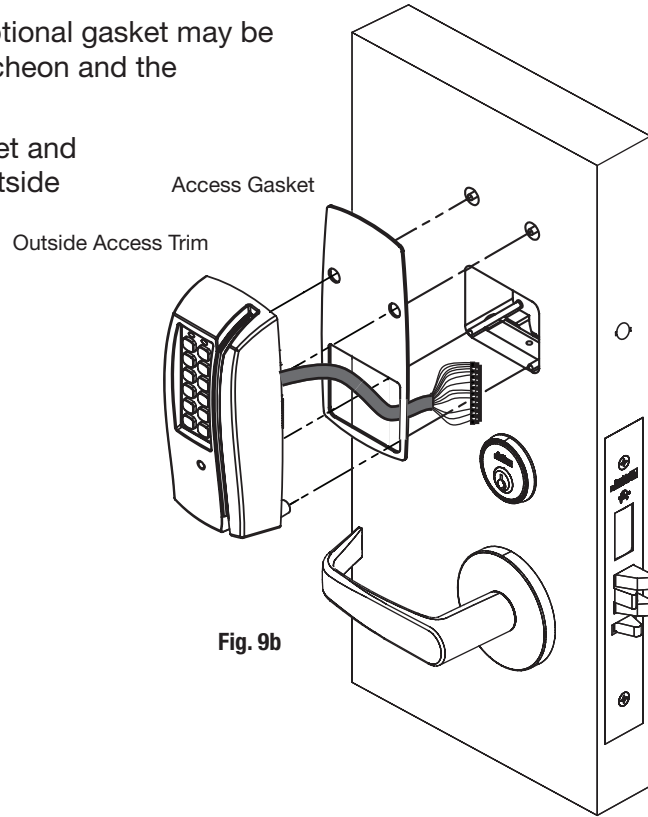
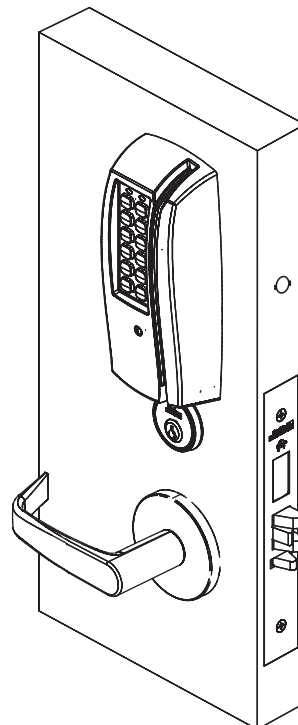


Fig. 9b

10. Install Inside Mounting Plate:

Install face plate using four #8-32 machine screws.

IMPORTANT: For fire rated doors, also use two #8 surface mount screws.



Outside Face of Door

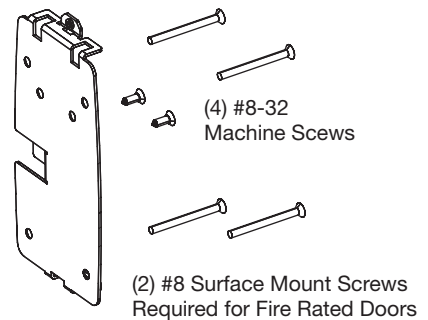


Fig. 10a

11. Install Outside Escutcheon Assembly and Mounting Plate:

- Feed the wires from the outside escutcheon assembly through the opening in the door.

Note: Position ferrite bead from lock body under mounting plate (Fig. 11c).

- Position and hold the outside escutcheon assembly while securing the mounting plate to the inside of the door with the hardware provided.

- Correctly position the lock body harness and the ground wire.

IMPORTANT - Required for fire rated doors: Surface mount screws required for fire rated doors (Fig. 11b).

IMPORTANT: Door must remain open during installation. Use door stop.

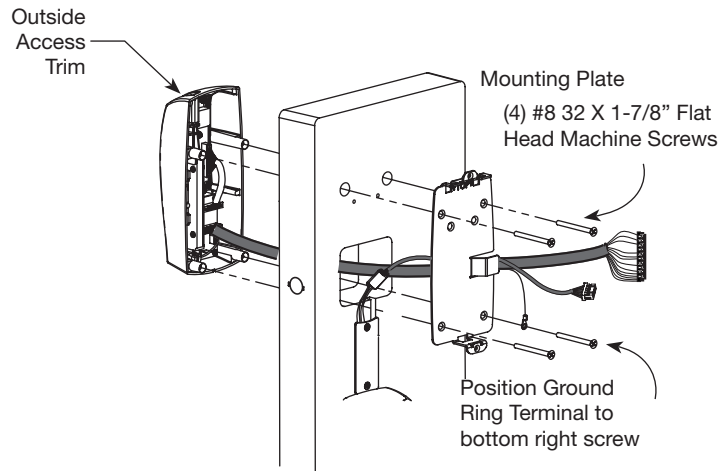


Fig. 11a

Inside Face of Door

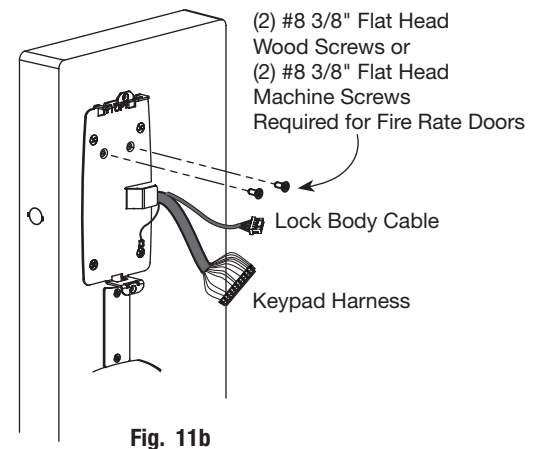


Fig. 11b

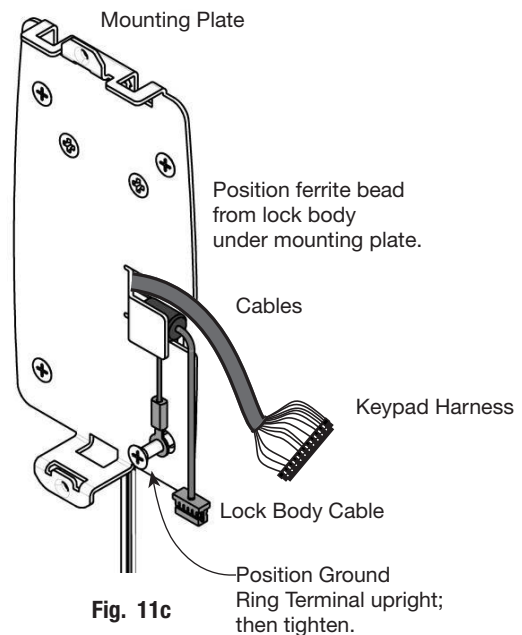


Fig. 11c

5) Installation Instructions (Continued)

12. Install Electronics Module:

- Insert the single tab on the electronics module into the single tab at the bottom of the mounting plate.
- Tilt the module upward and secure the top two tabs into the mounting plate (Fig. 10a).

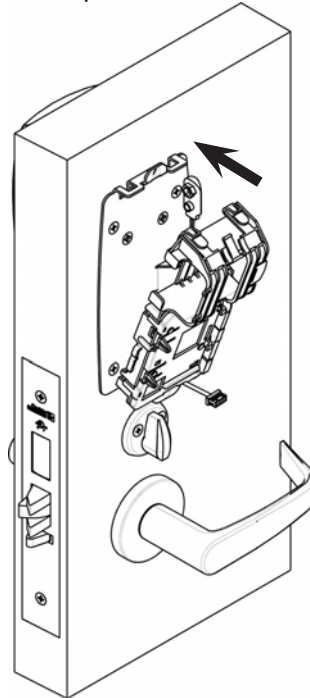


Fig. 12a

13. Attach Connectors:

Secure the following connectors to the circuit board as shown (Fig. 13a and 13b Detail).

- Secure the mortise lock body assembly connector (10-pin).
- Secure the mortise keypad/card reader connector (14-pin).

Note: Connectors go on only one way. Do not force and do not offset connector. Be sure they are seated (completely flush).

IMPORTANT: Door must remain open during installation. Use door stop.

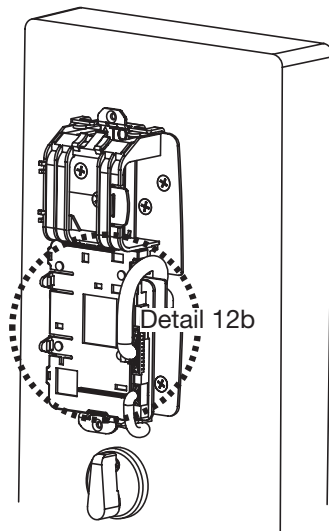


Fig. 13a

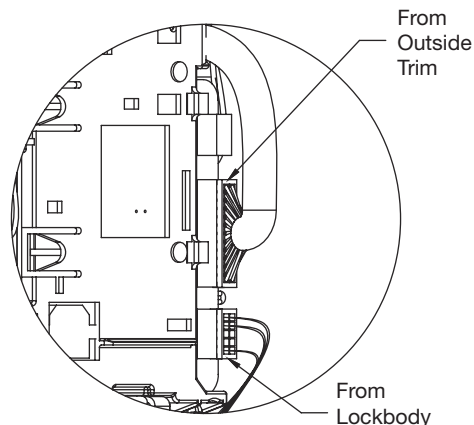


Fig. 13b Detail

5) Installation Instructions (Continued)

14. Battery/ Battery Pack Installation:

- Place (6) “AA” batteries into the compartment being careful to align polarity (- & +) according to case markings (Fig. 13a).
- Insert battery pack and click into place, making sure polarity terminals on the battery pack are oriented upward (Fig. 13b).

Fig. 14a

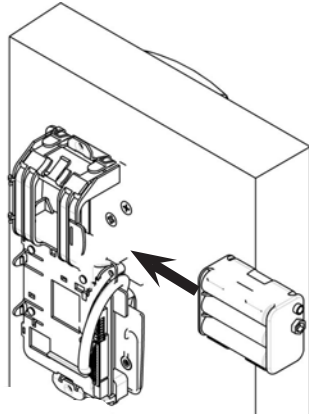
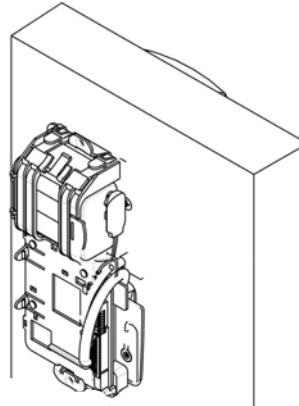


Fig. 14b



15. Install Inside Escutcheon:

Install escutcheon using two #8-32 T20 Security Torx Screws.
Be careful not to pinch wires under escutcheon.

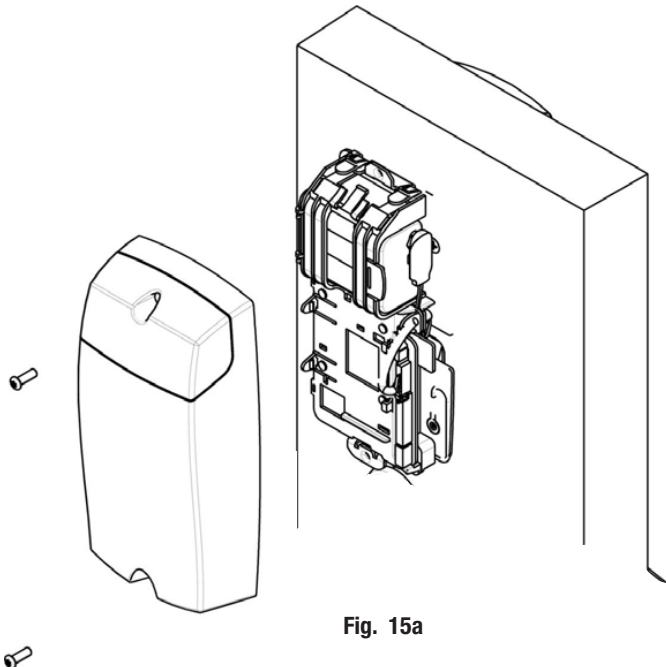


Fig. 15a

6) Operational Check

IMPORTANT: Be sure to test functions prior to closing door.

In all cases, perform the following checks:

1. Ensure that inside lever retracts latch (and deadbolt for deadbolt functions).

- For devices with cylinders, the following checks apply:

Insert key into cylinder and rotate:

- a. There should be no friction against lock case, wire harness, or any other obstructions. If harness friction exists, refer to the section on Installation of Inside Components.
- b. The key should retract the latch and the key should rotate freely.
- c. The key should extend and retract the latchbolt.

- For units without a keypad, the following checks apply:

Insert test card marked NO PIN and retract:

- a. Ensure lockset displays a green flash (and no other lights).
- b. Ensure outside lever retracts latch, the door opens, and that there is no binding against lock case, wire harness or other obstructions.

- For units with a keypad, the following checks apply:

Insert test card marked PIN 1234 and retract:

- a. Ensure lockset displays solid yellow light.
- b. Type 1, 2, 3, 4 on keypad.
- c. Ensure outside lever retracts latch, the door opens, and that there is no binding against lock case, wire harness or other obstructions.
- d. Test again with card marked PIN 5678.
- e. Test again with card marked PIN 9090.

2. Any rapid yellow or rapid red flashing lights indicate a low power condition.

Check the battery voltage at the top of the battery pack to check for the required 9V. If the voltage is correct, inspect the wiring for a possible short.

3. When you have completed the tests, close the door, ensuring latchbolt and deadbolt fully extend into strike plate without binding.

