CX- SERIES

Introducing EZ Connect

SERVICE MANUAL

Proxess

A. CHECKLIST (4 AA Batteries Included)

FOR DOOR AND FRAME PREPARATION INSTRUCTIONS, SEE APPENDIX A OR GO TO PROXESS.COM

Parts List: Each Proxess CX-Series lockset includes
- Door Preparation Template
- Cylindrical Lever Lockset with Installation Instructions
- Exterior lock assembly (include housing, lever and cylinder drive unit)
    1. Keys
    2. Removeable Core
    3. Exterior Lever
    4. Exterior housing (includes plastics and light pipes)
    5. Exterior Rose
    6. Chassis plate
    7. Chassis
    8. Through Bolt Posts
    9. Exterior Backplate
    10. Ribbon Cable
    11. Exterior Assembly Screws
    12. Exterior Gasket
- Hardware box includes:
    13. Latch
    14. ASA Strike Plate
    Screw Pack includes:
        - (SP1) Hager mounting screws M5 x 38mm x4pcs
        - (SP2) Flat head tapping screws #8x3/4" x2pcs
        - (SP3) Flat head tapping screws #12-24 x 18mm x2pcs
        - (SP4) Lever release tool
        - (SP5) Hager mounting screws M6 x 10mm x2pcs (optional)
        - (SP6) Torx Wrench and Optional Torx Security Screw
- Interior lock assembly
    15. Interior Gasket
    16. Interior Backplate
    17. Interior Backplate Screws
    18. Interior Rose
    19. Interior Housing
    20. Interior Housing Screws
    21. Battery Cover
   22. Battery Cover Standard Screw
    23. Interior Lever

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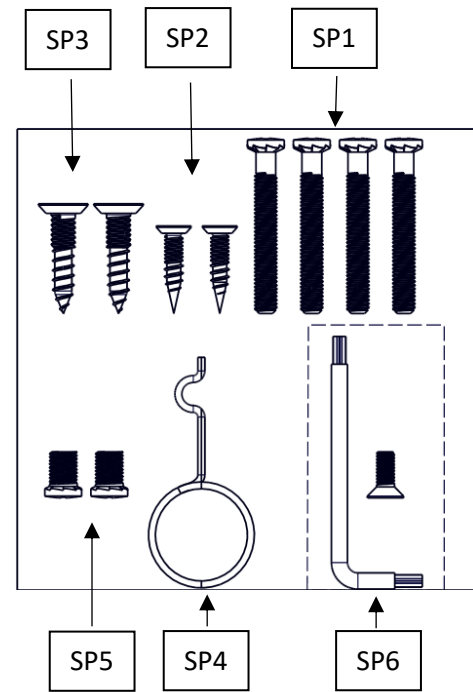
B. ADJUST FOR DOOR THICKNESS

Remove through bolt posts from chassis. Pull chassis and rose mounting plate from exterior lock assembly.

Clockwise rotation

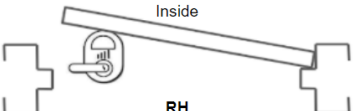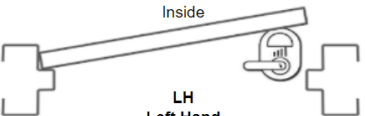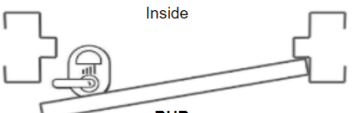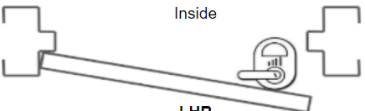Anti-Rotation Tabs on
the rose mounting plate
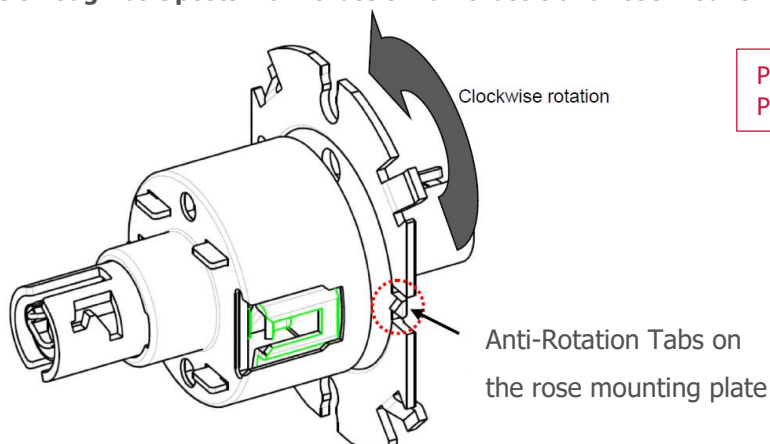
PLEASE NOTE THAT THE LOCK BODY COMES PRE-SET TO ACCOMMODATE A 1¾ INCH DOOR

1. Please follow the steps below:
   a. Rotate exterior rose mounting plate toward cylindrical chassis.
   b. Put the lever release tool into the allocated position of exterior rose mounting plate per the illustration below.
   c. Rotate exterior rose mounting plate to door thickness by using the lever release tool.

Door thickness mark

lever release pin

CATCH TOOL LOCATION

Adj.

2"
1-3/4"
1-9/16"
1-3/8"

Outside rose mounting plate
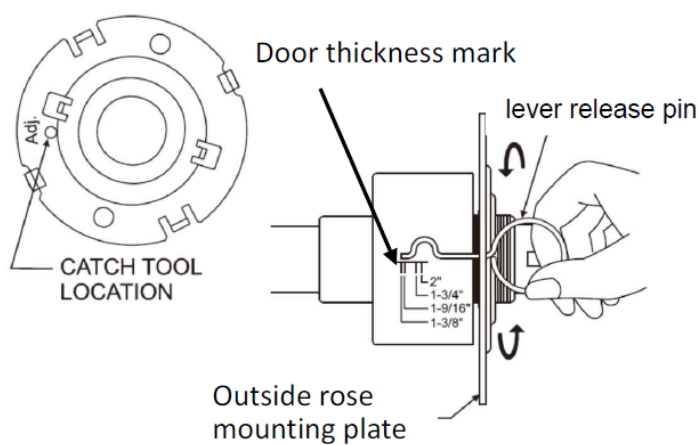
C. LOCK HANDING AND REHANDING (IF NECESSARY)

Determine the hand of your door. The product is set up for Right Hand by default.

Door Handing Chart — Indicates Key Side

Inside — **RH Right Hand**

Inside — **LH Left Hand**

Inside — **RHR Right Hand Reverse**

Inside — **LHR Left Hand Reverse**

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D. Hardware Installation Steps

STEP 1

Install the latch in the door with the SP2 screws provided. The latch tube prongs should project into the chassis hole.


STEP 2

Install the strike plate with the SP3 screws provided, checking to make sure that the position of the deadlocking plunger is aligned against the strike plate. See Appendix A for additional Door Preparation instructions.
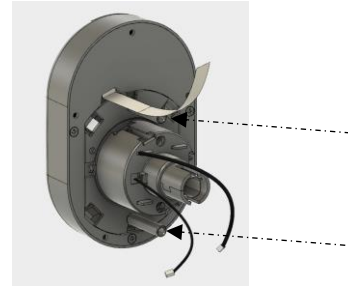

STEP 3

Ensure the cable from the exterior board is properly routed through the cylindrical lock chassis by first inserting one edge, then pressing the other into the cable slot.
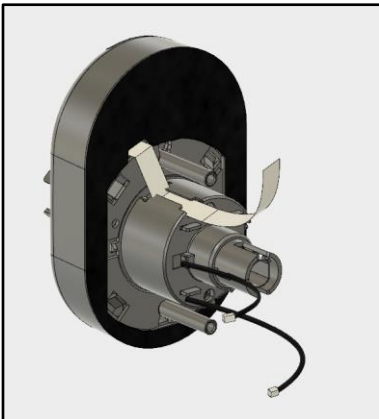
STEP 4 (To Re-hand if Necessary)

1. To re-hand the lock chassis, begin by removing both the through bolt posts. See arrows below.

2. Remove the lock chassis and rotate both the internal mechanics and the chassis 180 degrees to accommodate the hand of the door. You will not need to remove the exterior gasket or backplate.
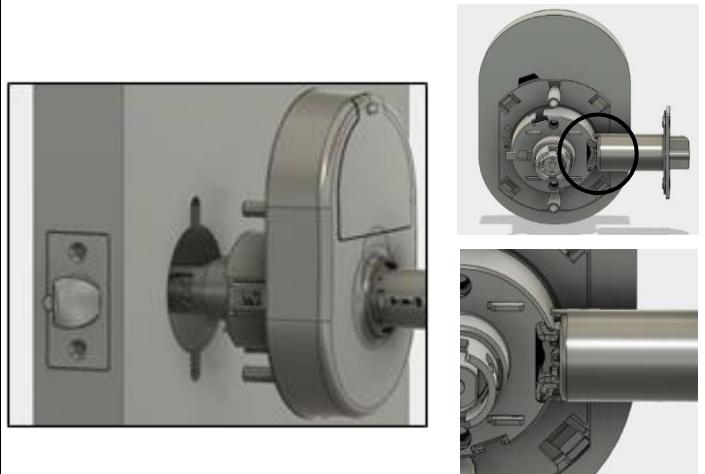
3. Replace through bolt posts.

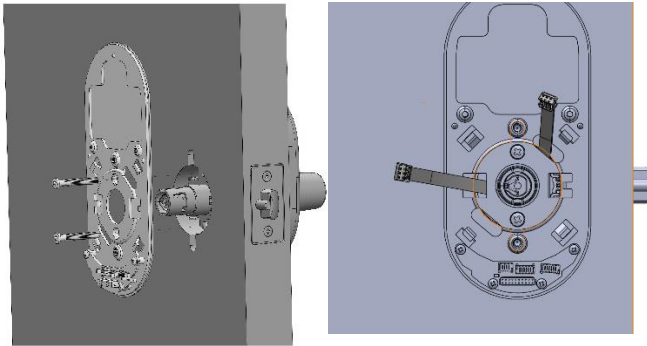
Re-handed lock chassis to accommodate left-handed door

STEP 5

Slide the lock chassis through the chassis hole in the door, ensuring that the chassis engages the latch.
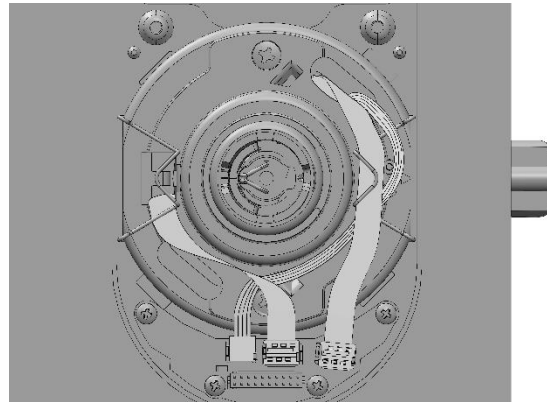
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STEP 6

Place the back plate on the interior of the door with the upper and lower screws near the chassis. Route the chassis cable through the square hole, and the exterior cable through the upper oval hole.

STEP 6B Deadbolt Configuration

For information about installing the Proxess Cylindrical Lockset with a deadbolt, see "Door Preparation and Installation" in the CX-Series Service Manual available at proxess.com.

STEP 7

Place the interior rose liner on the interior back plate and screw in. Route the chassis cable through the square hole in the rose liner, and the exterior and handle switch cables through the upper oval hole (the handle switch will route through the lower oval hole for other than default handing).

Chassis connectors

Exterior connector

Handle switch connector

STEP 8

Connect the chassis, exterior, and handle switch cables to the EZ connect board, leaving the exterior connection (6 pin rightmost connection) for the last connection. Ensure all cables are neatly tucked into the retaining clips on the rose plate.
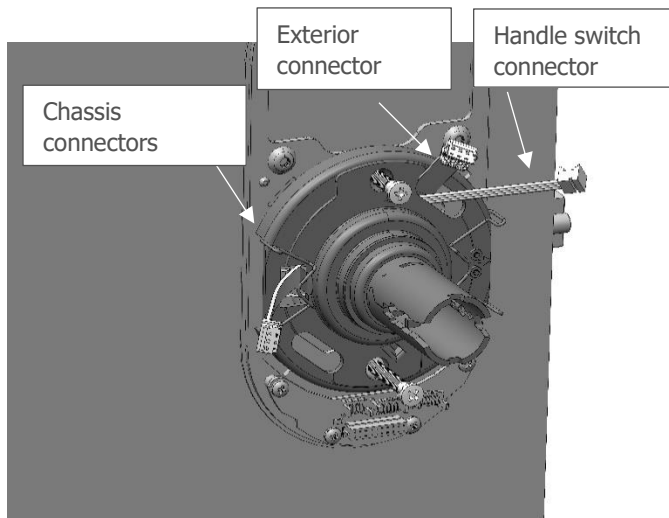

*RS-485 Option boards will have a 4th cable to connect to the EZ Connect board located on the left side of the board.

STEP 9

Install the interior trim onto the back plate. The boards will plug into one another when placed correctly. Screw the interior trim onto the back plate using the two screws on the right and left of the battery compartment.

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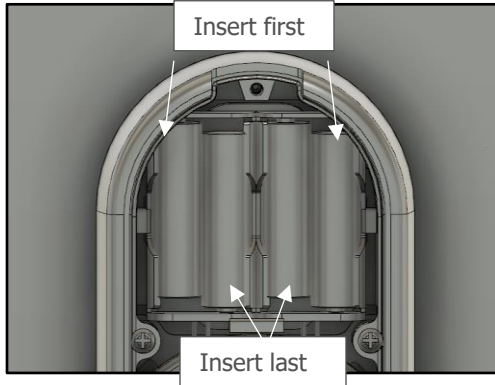| **STEP 10**	**STEP 12**
Install the four AA batteries, beginning with the outer two.	Install the levers onto the outside and inside of the door. See tips for installing and removing exterior handle in the CX-Series Service Manual prior to installation.
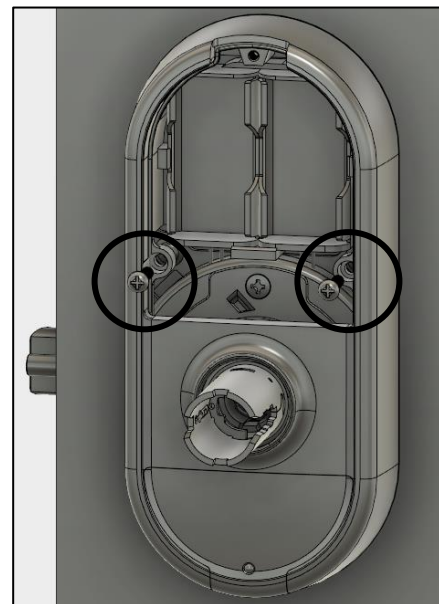
STEP 10

Install the four AA batteries, beginning with the outer two.

Insert first

Insert last
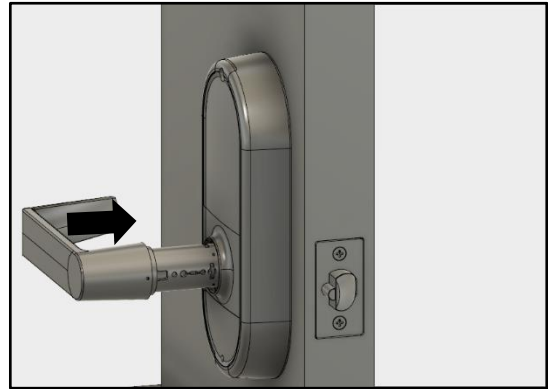
After the batteries are properly installed, the lock should beep once and the motor will run. **The lock is then in the locked position.**
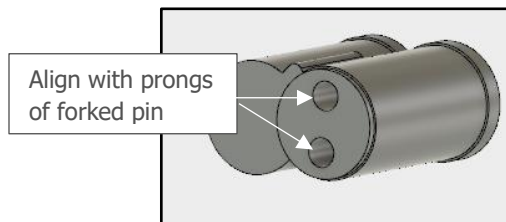
STEP 12

Install the levers onto the outside and inside of the door. See tips for installing and removing exterior handle in the CX-Series Service Manual prior to installation.

STEP 11

Screw the battery cover onto the trim.

STEP 13 (If Necessary)

Install the removable core.

Align with prongs of forked pin
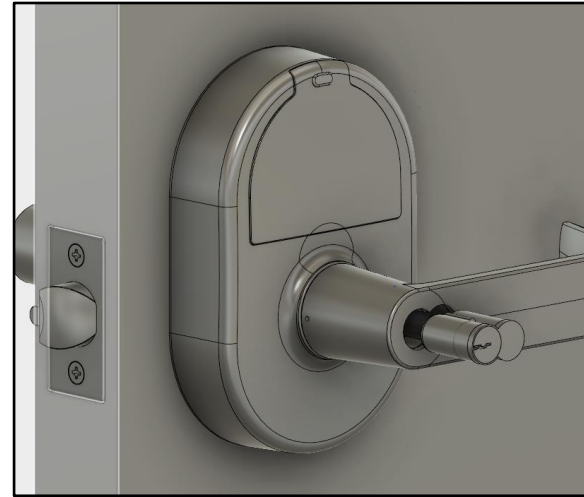
Once the removable core is aligned with the forked pin in the lock, insert the control key and turn clockwise 15 degrees to retract the locking lug, then insert the core into the lever. Turn the control key back counterclockwise 15 degrees to engage the core and remove the key.

E.   Now that the hardware is installed, see "Software Solutions" in this manual to locate your software resources and begin programming.

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APPENDIX A: INSTRUCTIONS FOR DOOR AND FRAME PREPARATION OF CYLINDRICAL LOCK
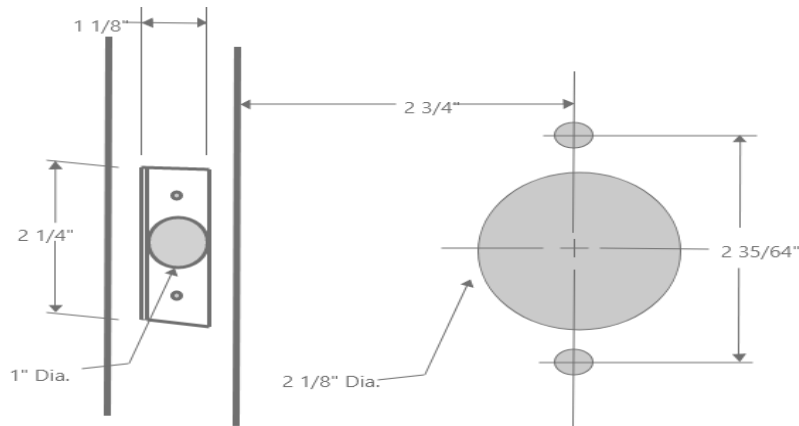
A. CHECKLIST

Tools for Door Preparation
- Drill
- Drill Bits: 1" (31/32" for drive in latch), 5/16"
- Hole Saw: 2-1/8"
- Phillips Screwdriver, #2
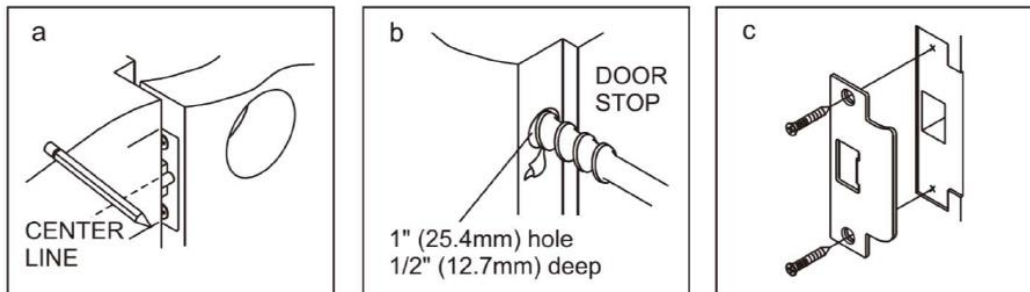- Hammer
- Chisel

B. DOOR PREPARATION

1. Doors: Steel or Wood
2. Door thickness range: 1-3/8" (35mm) ~ 2" (51mm).
3. Match the Backset of your Proxess CX-Series lockset to the corresponding installation (either 2-3/8" [60 mm] or 2-3/4" [70 mm] Backset).
4. Place the installation template onto the door and mark holes. Drill the 2 1/8" (54 mm) first, then drill the two 5/16" (8mm) holes for lock chassis mounting. Drill the 1" (25 mm) cross bore hole for the latch last.
5. Insert latch into 1" hole and hold it parallel to door face, mark outline and remove latch. Chisel 11/64" (4.3mm) deep or until faceplate is flush with the edge of the door. Insert latch into the 1" hole again, making certain that the latch bolt bevel faces direction of closing door (see section E for Lock Handing).
6. Secure the latch to the door using two #8x3/4" screws (SP2).

Backset thickness – note that lock is preset to standard 1¾ inch door

1 1/8" 2 3/4" 2 1/4" 2 35/64" 1" Dia. 2 1/8" Dia.

NOTE: Removing the through bolt posts from the chassis will decrease the security of the lock, voiding ANSI Grade 1 rating of the lock.

C. FRAME PREPARATION

1. Close the door and mark the horizontal line aligned to the strike.

2. Measure one half of door thickness from door stop to mark vertical center line of strike. Drill 1" (25 mm) hole, 1/2" (12.7 mm) deep at intersection of horizontal and vertical center lines.

3. Chisel out the jamb 3/32" (2.4mm) deep or until strike is flushed with jamb and then secure the strike to the jamb using two #12-24 x 1" screws (SP3).

a CENTER LINE

b DOOR STOP 1" (25.4mm) hole 1/2" (12.7mm) deep

c

CX-Series Service Manual

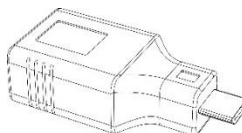**Proxess**

SERVICE EQUIPMENT
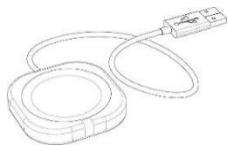
ENR™
Enrollment Reader and Programmer

MPD Mobile Programming Device
Android Mobile Phone with no Sim Card

OTG On-the-Go Converter
(included with MPD)

SOFTWARE SOLUTIONS FOR LOCKSET PROGRAMMING

For data sheets and user manuals, please visit our website under the "Support Documents & Data Sheets" and Solutions tabs.

LoxIQ™ : A simple, yet powerful, system that requires only the locks and a phone. It is typically implemented in smaller systems of 50 doors/users or less…Expandable to full server system software.

ProxessIQ™ : The robust scalable access control software supporting Proxess Wireless Locksets and Controllers.

Proxess Sync™: Mobile phone app synchronizes changes from the ProxessIQ™ software to locksets across the country.

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class A and Class B digital device, pursuant to part 15 of the FCC Rules. Please see our full CX-Series Service Manual posted on our website for most recent FCC Statements and compliance information.

FCC Caution:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.

Industrie Canada l'énoncé
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCCID: 2AKUZPXH01
Product Marketing Name: CX- Series Cylindrical Lockset
IC ID: 22335-PXH01
Contains: SH6MDBT50Q
Models (HVINS): PXHO1-CX03-B (Proxess CX-Series Wireless Cylindrical Lockset), PXH01-CX03-DC (Proxess CX-Series DC Powered Lockset), PXH01-MX02-B (Proxess MX-Series Wireless Mortise Lockset), PXH01-MX02-DF (Proxess MX-Series DC Powered Mortise Lockset)

UL STATEMENT (Pending)