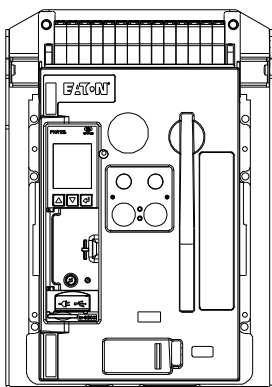


Push button cover - NF

Instructions apply to:



UL489	: PD-NF, Series NRX NF
IEC	: PD-NF, IZMX16
UL1066/ANSI	: Series NRX NF

WARNING

- (1) ONLY QUALIFIED ELECTRICAL PERSONNEL SHOULD BE PERMITTED TO WORK ON THE EQUIPMENT.
- (2) ALWAYS DE-ENERGIZE PRIMARY AND SECONDARY CIRCUITS IF A CIRCUIT BREAKER CANNOT BE REMOVED TO A SAFE WORK LOCATION.
- (3) DRAWOUT CIRCUIT BREAKERS SHOULD BE LEVERED (RACKED) OUT TO THE DISCONNECT POSITION.
- (4) ALL CIRCUIT BREAKERS SHOULD BE SWITCHED TO THE OFF POSITION AND MECHANISM SPRINGS DISCHARGED. FAILURE TO FOLLOW THESE STEPS FOR ALL PROCEDURES DESCRIBED IN THIS INSTRUCTION LEAFLET COULD RESULT IN DEATH, BODILY INJURY, OR PROPERTY DAMAGE.

WARNING

THE INSTRUCTIONS CONTAINED IN THIS IL AND ON PRODUCT LABELS HAVE TO BE FOLLOWED. OBSERVE THE FIVE SAFETY RULES:

- DISCONNECTING
- ENSURE THAT DEVICES CANNOT BE ACCIDENTALLY RESTARTED
- VERIFY ISOLATION FROM THE SUPPLY
- EARTHING AND SHORT-CIRCUITING
- COVERING OR PROVIDING BARRIERS TO ADJACENT LIVE PARTS

DISCONNECT THE EQUIPMENT FROM THE SUPPLY. USE ONLY AUTHORIZED SPARE PARTS IN THE REPAIR OF THE EQUIPMENT. THE SPECIFIED MAINTENANCE INTERVALS AS WELL AS THE INSTRUCTIONS FOR REPAIR AND EXCHANGE MUST BE STRICTLY ADHERED TO PREVENT INJURY TO PERSONNEL AND DAMAGE TO THE SWITCHBOARD.

General information

A padlockable cover is designed to limit access to both the ON and OFF pushbuttons simultaneously, or individual pushbuttons as required. This is accomplished through the use of individual padlockable doors that close over the pushbuttons. The padlock provision will accommodate up to three padlocks with shackle diameters of 3/16-inch up to 5/16-inch (5-8 mm). A small hole is also provided to accommodate a wire seal.

Padlockable covers are available in seven different configurations:

1. Plastic base and doors
2. Plastic base and metal doors
3. Metal base and metal doors
4. Metal base and plastic doors
5. Metal base and metal doors with close push button blocker (safe-off) ^a

6. Plastic base and plastic emergency access doors ^b

7. Metal base and plastic emergency access doors ^b

Note: Not all configurations are shown in this document.

^a Configuration 5 will lock the breaker in a safe-off state when the pushbutton cover is closed, i.e., the breaker main contacts cannot be closed.

^b Configurations 6 and 7 are offered to allow button access through the door holes while preventing accidental tripping/closing. All access to the ON pushbutton can be prevented by adding the blackout plate to the pushbutton cover.

Kit parts identification

Refer to **Figure 1** for visual identification of the parts listed below:

- (A) Base (1)
- (B) Doors (2) installed in base
- (C) M3 x 0.5 mm 6 mm long mounting screw (2)
- (D) M2.5 x 4 mm self-tapping screw (2)
- (E) M3 x 0.5 mm, 8 mm long mounting screw (2), configuration 6 only
- (F) Blockout plate (1), configurations 6 and 7 only

Required tools

- Phillips head screwdriver #0 or #1

Tools only required for breakers with two mounting holes (see **Step 1**):

- #49 (0.073 in or 1.85 mm) drill bit
- Manual drill bit holder

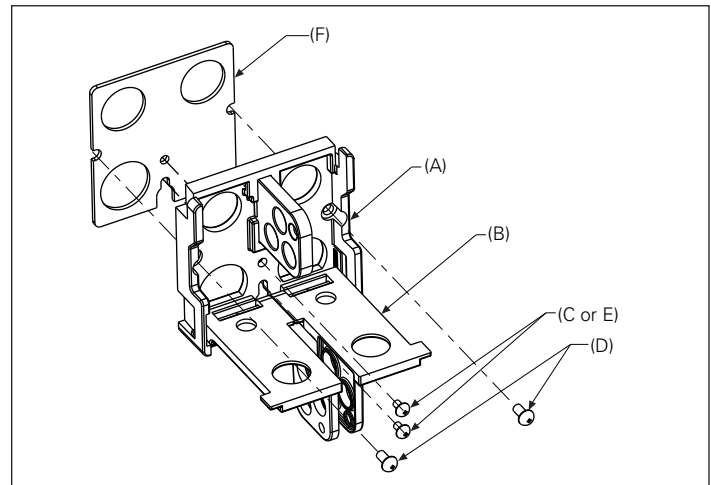


Figure 1. Contents of kit

Installation of pushbutton cover

Proceed with the following 11 steps:

Step 1

Examine the front of the breaker. If the breaker has two mounting holes as shown in **Figure 2**, proceed with **Step 2**. If the breaker has four mounting holes as shown in **Figure 3**, skip **Steps 2, 3, 4, and 5** and proceed directly to **Step 6**.

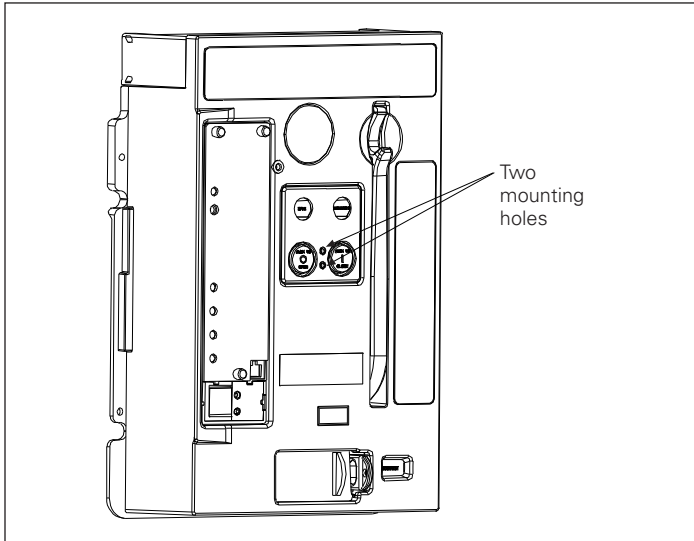


Figure 2. Step 1

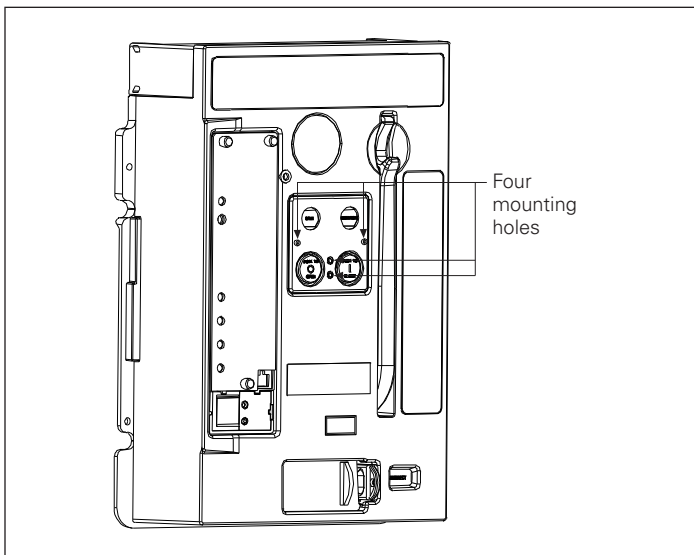


Figure 3. Step 1

Step 2

Install the lower mounting screw (C) into breaker faceplate 3–4 turns. **If installing blockout plate (F) with plastic base (A), use longer mounting screws (E) in place of mounting screws (C).**

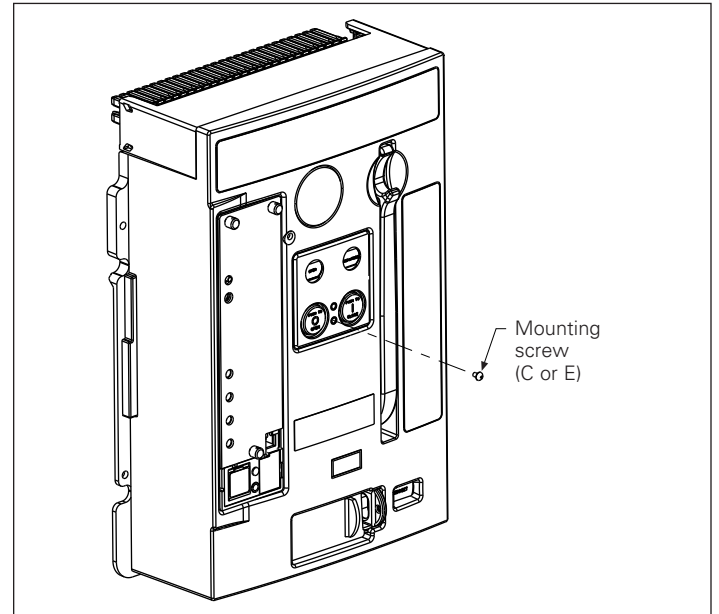
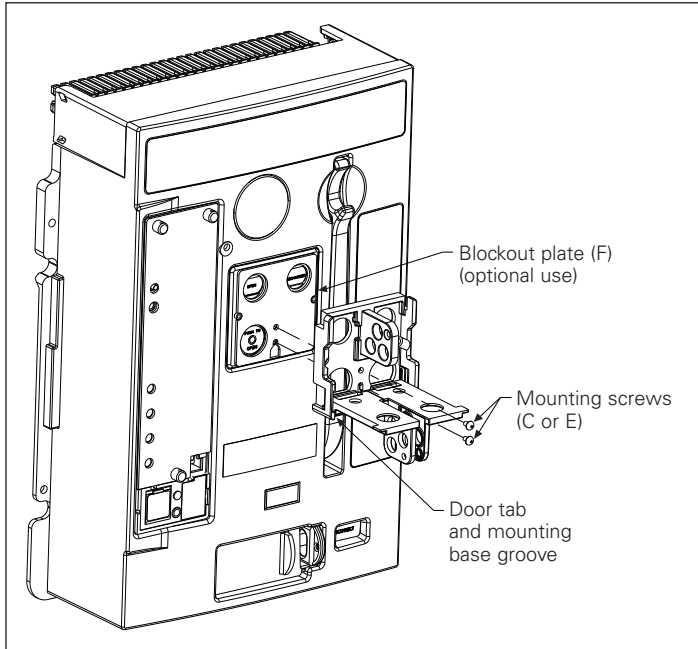


Figure 4. Step 2

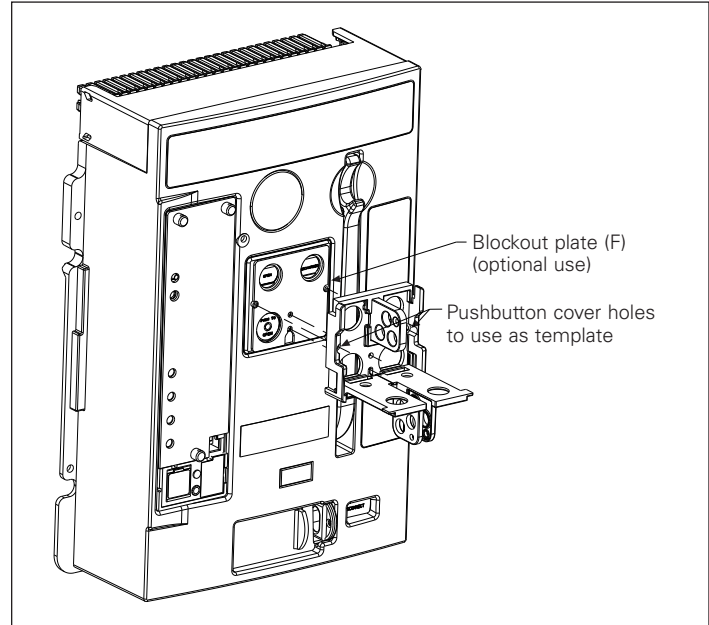
Step 3

Orient the optional blockout plate (F) as shown (if required); slide onto the mounting screw (C or E) installed in **Step 2** and hold in place. Loosen the lower mounting screw (C or E) as necessary to slide the base (A) with installed doors (B) in the open position onto the mounting screw (C or E) installed in **Step 2**. To simplify the door opening, slide the doors all the way up to unlock them. Then slide the doors all the way down so tabs on the doors slide into the groove space on base for the full open position.

Insert the second mounting screw (C or E) through the other mounting hole in the base and into the mounting hole in the faceplate. Torque both mounting screws to 6.0 lb-in (0.68 N-m).

**Figure 5. Step 3****Step 4**

Once the pushbutton cover is mounted on the faceplate with the two screws from **Step 3**, it will be used as a template to hand drill two additional pilot holes. Using a manual drill bit holder and a #49 (0.073 in or 1.85 mm) drill bit, drill two additional mounting holes in the faceplate through the holes in the pushbutton cover as indicated.

**Figure 6. Step 4**

Step 5

Insert the two mounting screws (D) through the indicated holes in the pushbutton cover and into the two pilot holes indicated in the faceplate. Torque both mounting screws to 8 ozf-in (0.06 N·m). Refer to **Figure 6** for reference purposes. Once this step is completed, skip to **Step 9**.

Step 6

Install the lower mounting screw (C) into breaker faceplate 3–4 turns. **If installing blockout plate (F) with plastic base (A), use longer mounting screws (E) in place of mounting screws (C).**

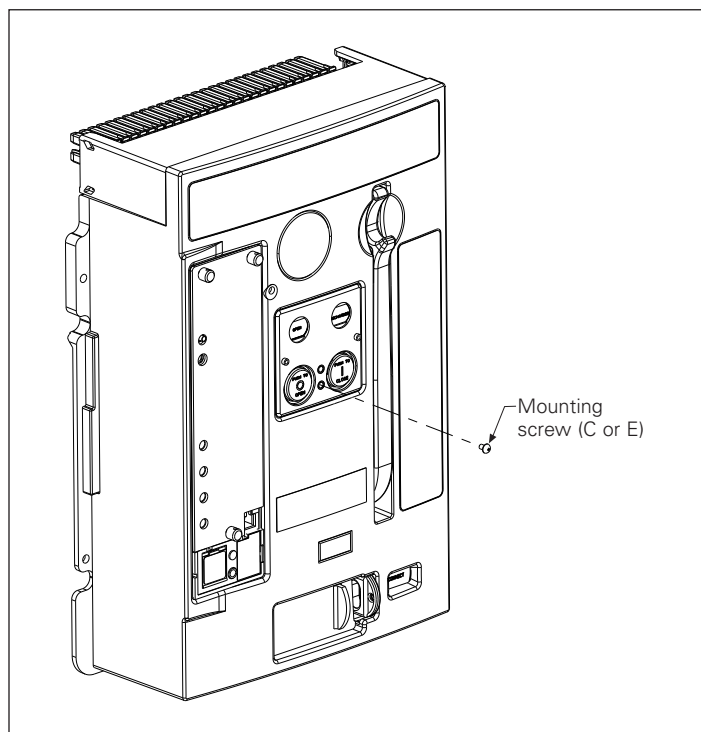


Figure 7. Step 6

Step 7

Orient the optional blockout plate (F) as shown (if required); slide onto the mounting screw (C or E) installed in **Step 2** and hold in place. Loosen the lower mounting screw (C or E) as necessary to slide the base (A) with installed doors (B) in the open position onto the mounting screw (C or E) installed in **Step 6**. To simplify the door opening, slide the doors all the way up to unlock them. Then slide the doors all the way down so tabs on the doors slide into the groove space on base for the full open position.

Insert the second mounting screw (C or E) through the other mounting hole in the base and into the mounting hole in the faceplate. Torque both mounting screws (C or E) to 6.0 lb-in (0.68 N·m).

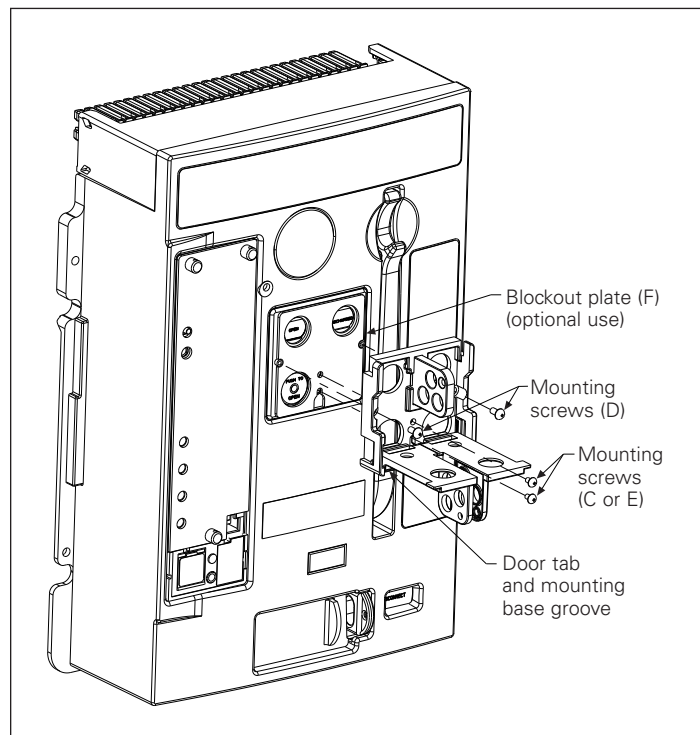


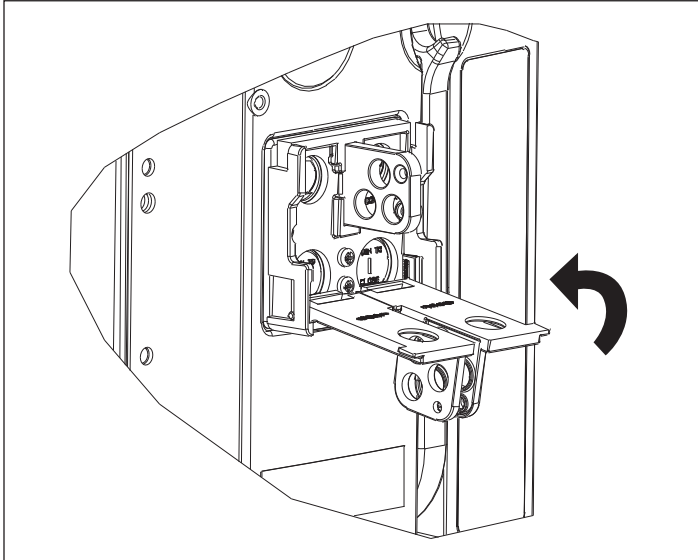
Figure 8. Step 7

Step 8

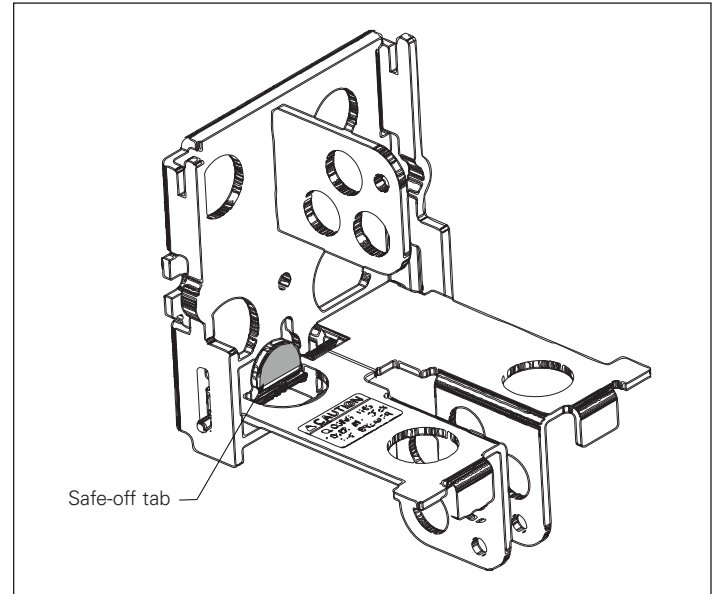
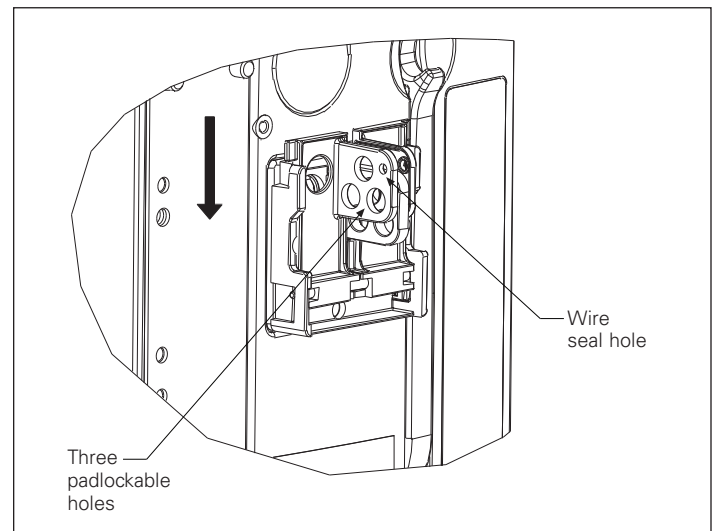
Insert the two mounting screws (D) through the indicated holes in the pushbutton cover and into the mounting holes in the faceplate. Torque both mounting screws to 8 ozf-in (0.06 N·m). Refer to the **Figure 8** for reference purposes.

Step 9

Once the pushbutton cover assembly is mounted on the breaker faceplate, the doors or individual doors are ready for use.

**Figure 9. Step 9****Step 10**

Both doors or individual doors can be closed and padlocked to prevent access to pushbuttons. In addition, a wire seal can also be used on the doors as required. The doors must be all the way down so the door tabs are in the groove space on the base for all padlock and wire seal holes to match. As mentioned on **page 2, configuration 5**, please be aware that if you are using a pushbutton cover with CLOSE pushbutton blocking capabilities, as soon as you close the metal cover, the breaker will open.

**Figure 10. Step 10****Figure 11. Step 10**

Step 11

Up to three individual padlocks can be used to prevent the doors from being opened by unauthorized individuals. Keep in mind that a padlock or padlocks must be removed to open any locked door.

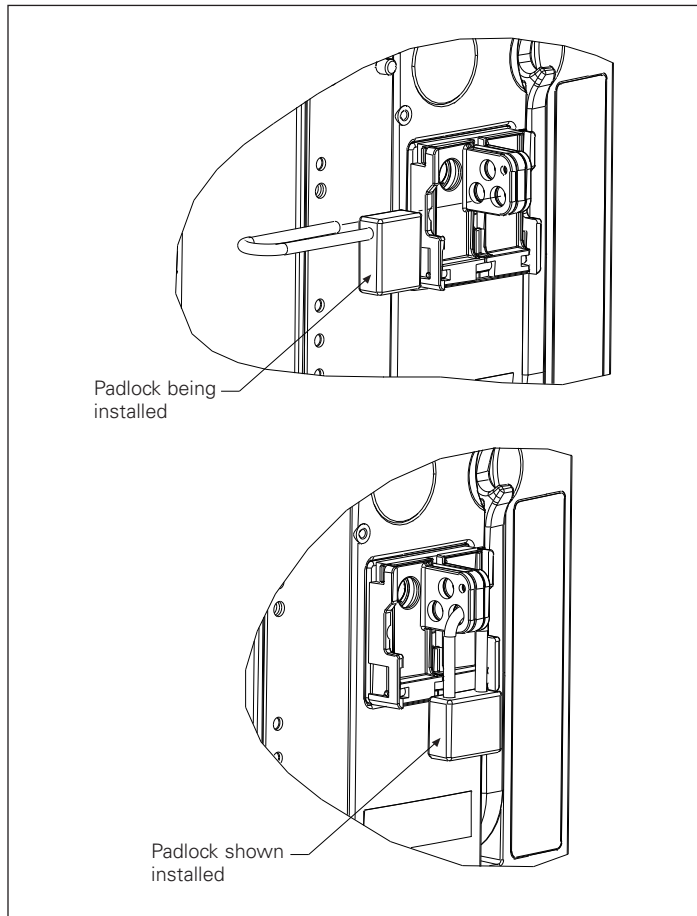


Figure 12. Step 11

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