



KABA[®]

E-PLEX[®] 3x00 SERIES NARROW STILE LOCK INSTALLATION INSTRUCTIONS

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E-PLEX 3x65 Deadlatch/Exit Mortise Model E-PLEX 3x66 Deadbolt/Swing Bolt Mortise Model

This lock is designed to function with new or existing Adams Rite® Hardware for Deadlatch, Deadbolt, and Exit applications. These Adams Rite Hardware models (1850, 1950, 4500, 4700, 4900, MS1850S, MS1950S, and 8400 Series) are sold separately. The specific applications for this model are for narrow stile aluminum and glass doors, 2" minimum width and 1 3/4" thick.

WARNING: This lock is designed to be used with Adams Rite® brand hardware only. Improper use or installation of this product will void the warranty.

Shipping Package Includes (See Figure 1):

- (1) E-Plex 3x00 Lock Assembly
- (1) Outside Lever (Lever Model Only)
- (1) Screw Pack
- (1) Battery Housing with four AA Batteries (alkaline)
- (2) Keys (Schlage C or Kaba 90 Keyway)
- Documentation pack consists of:
 - (1) Installation Instructions (this manual)
 - (1) Operations Manual
 - (1) Lock Set-up Guide
 - (1) Quick-Reference Guide
- a. 54579-Upper Mounting Screws (2)
- b. 44229-Mounting Bushings (4)
- c. 54275-Lower Mounting Screws (2)
- d1. 75271-Kaba Cam Plug Deadlatch (1)
- d2. 75262-Kaba Cam Plug Deadbolt (1)
- e1. 75272-Lock Assembly for Lever (1)
- e2. 75273-Lock Assembly with Thumbturn (1)
- f. 54725-Pinned Torx Screw (2)
- g. 34298-Lever Cap (1)
- h. 34309-Lever (1)
- i. 44226-"D" Bushing (2)
- j. 54685-Battery Pack (1)
- k. 24554-Battery Cover (1)
- l. 54725-Pinned Torx Screws (1)

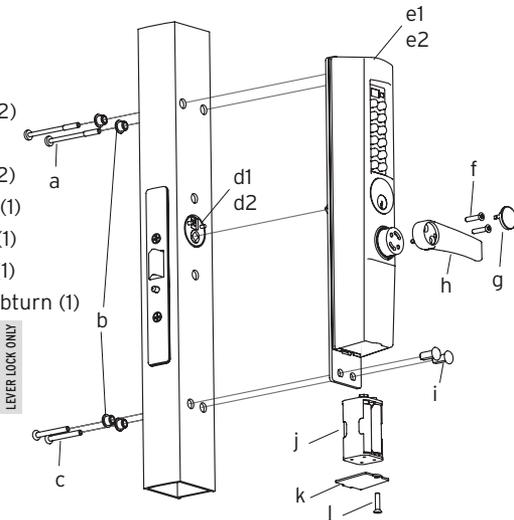


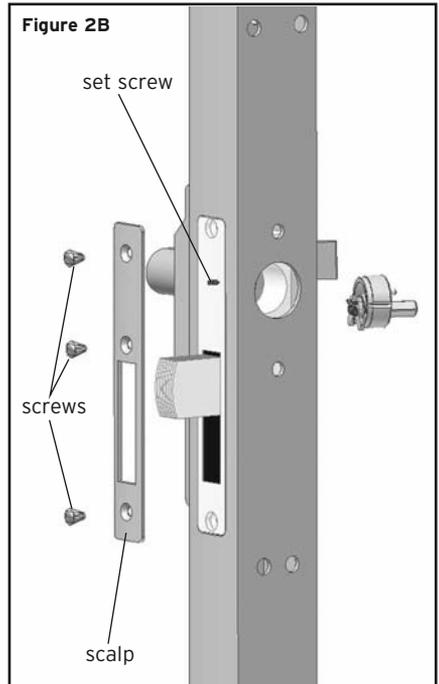
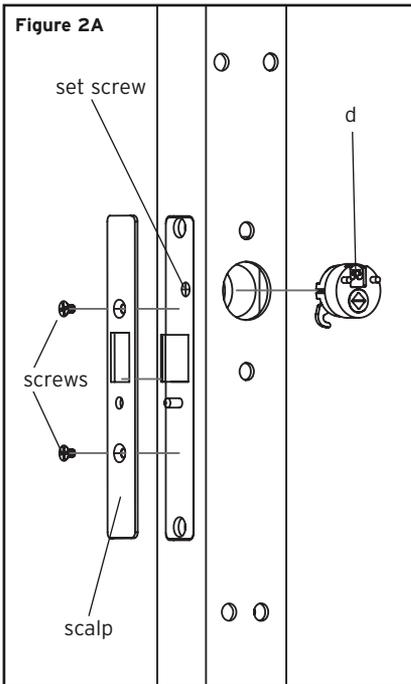
Figure 1

TOOLS REQUIRED

- Power Drill with $\frac{3}{8}$ " (10mm) drill bit
- Tape
- Center Punch or Awl
- Hex Allen Wrench Set
- Phillips Head Screwdriver
- Small Flat Blade Screwdriver
- Safety Glasses

A. DOOR PREPARATION—REMOVE EXISTING OUTSIDE HARDWARE

- A-1** Remove any existing Outside Hardware such as Lever Entry Trim, Latch Pull, Key Cylinders, etc.
- A-2** Remove and retain the screws and Armored Face Plate (Scalp) from the face of the Deadlatch (**See Figure 2A**) or Deadbolt (**See Figure 2B**).
- A-3** Loosen the set screw and remove the existing hardware assembled from the outside to the Deadlatch or Deadbolt Mortise, including the Adams Rite Cam Plug 4580 (d).
- A-4** Set Scalp and screws aside for reassembly later.



KABA E-PLEX® 3x00 SERIES LIMITED WARRANTY

KABA ACCESS CONTROL WARRANTS THIS PRODUCT TO BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP UNDER NORMAL USE AND SERVICE FOR A PERIOD OF THREE (3) YEARS. KABA ACCESS CONTROL WILL REPAIR OR REPLACE, AT OUR DISCRETION, E-PLEX 3000 SERIES LOCKS FOUND BY KABA ACCESS CONTROL ANALYSIS TO BE DEFECTIVE DURING THIS PERIOD. OUR ONLY LIABILITY, WHETHER IN TORT OR IN CONTRACT, UNDER THIS WARRANTY IS TO REPAIR OR REPLACE PRODUCTS THAT ARE RETURNED TO KABA ACCESS CONTROL WITHIN THE THREE (3) YEAR WARRANTY PERIOD.

This warranty is in lieu of and not in addition to any other warranty or condition, express or implied, including without limitation merchantability, fitness for purpose or absence of latent defects.

ATTENTION: This warranty does not cover problems arising out of improper installation, neglect or misuse. All warranties implied or written will be null and void if the lock is not installed properly and/or if any supplied component part is substituted with a foreign part. If the lock is used with a wall bumper, the warranty is null and void. If a doorstop is required, we recommend the use of a floor secured stop.

The environment and conditions of use determine the life of finishes on Kaba Access Control products. Finishes on Kaba Access Control products are subject to change due to wear and environmental corrosion. Kaba Access Control cannot be held responsible for the deterioration of finishes.

Authorization to Return Goods

Returned merchandise will not be accepted without prior approval. Approvals and Returned Goods Authorization Numbers (RGA Numbers) for the E-Plex 3x00 Series are available through our Customer Service department in Winston-Salem, NC (800) 849-8324. **The serial number of a lock is required to obtain this RGA Number.** The issuance of an RGA does not imply that a credit or replacement will be issued.

The RGA number must be included on the address label when material is returned to the factory. All component parts must be included in the package with return. All merchandise must be returned prepaid and properly packaged to the address indicated.

B. STILE PREPARATION

- B-1** Install the Kaba Cam Plug d1 or d2 into the Deadlatch or Deadbolt. Face of Cam Plug must be flush or below the surface of the stile, make sure set screw is snug but do not tighten it yet. **(See Figure 2 on page 3).**

Note: Refer to the Adams Rite Cam Plug Instructions for Right Hand/Left Hand Installations (located in the Screw Pack). (For Deadlatch Models)

- B-2** Affix the appropriate model Template to the outside face of the door stile. Ensure the pins from the Cam Plug are through the proper holes, the template is straight and aligned with the edge of the door, and that "TOP" is facing up and "BOTTOM" is facing down **(See Figure 3).**
- B-3** With a center punch or awl, mark the four drilling points.
- B-4** Utilizing a power drill with $\frac{3}{8}$ " drill bit, drill four holes as marked completely through the door (interior and exterior of the stile). Tip—you may want to first, drill pilot holes, then drill from each side to keep holes straight through and minimize burrs.

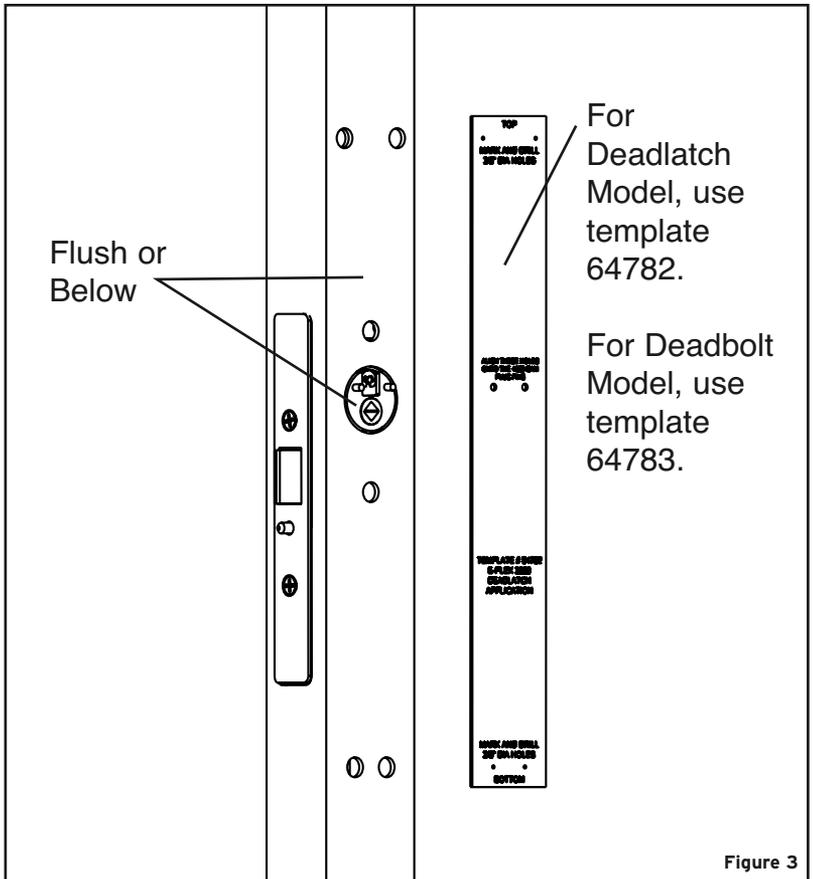


Figure 3

C. LOCK PREPARATION

C-1 On Deadlatch Model only, remove Handing Screw (**FIG 4**): **Caution: The appropriate handing screw must be removed for proper lock function after installation.**

Inside the battery compartment, the lock comes with both handing screws installed. Based on the door application handing, Left Hand (LH) or Right Hand (RH) one screw must be removed as noted in **FIG 4**.

Deadbolt Models, are shipped with no handing screws attached. They must be removed for Deadbolt applications.

Note: A RH Deadlatch lock is shown in **FIG 4**.

For Deadlatch Locks only, orient the lock as shown in **FIG 4** (spindle up) and remove the appropriate shipping screw, left screw for LH or right screw for RH.

Remove left handing screw for left hand application.

Note: Right Hand application shown, Left Hand application would show the lever on the opposite side.

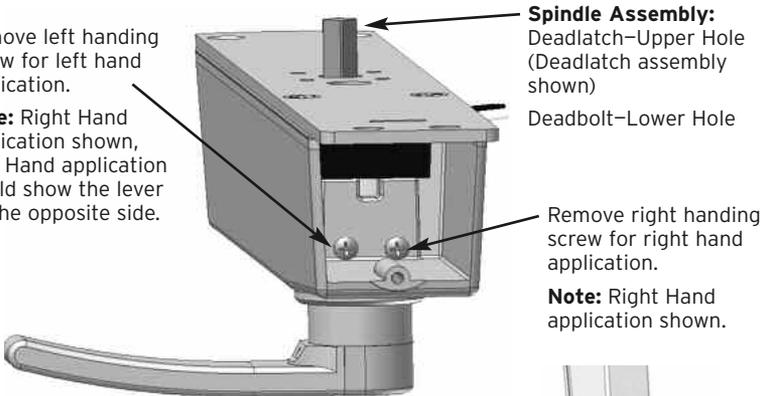


Figure 4

C-2 Battery Pack Installation

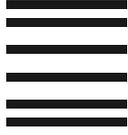
Secure the connection end of the Battery Pack to the Cable Harness. After the connection, the lock will set itself and you should hear an audible sound, spinning of the inside motor, and see a green light—all simultaneously. Upon connection, place the Battery Pack into the rubber battery housing, harness connection up, and slide the assembly into the battery compartment (**see Fig 5**). Secure in place with the Battery Cover and Torx Screw.

The lock can now be programmed prior to installation if desired.

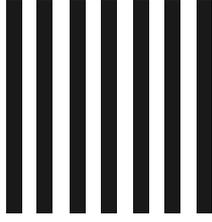


Figure 5

Note: If your application requires a change of cylinder, that step should be done at this time, before installation. If not required, skip to section D.



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REGISTRATION CARD

Thank you for purchasing our product. In order to protect your investment and to enable us to better serve you in the future, please fill out this registration card and return it to Kaba Access Control, or register online at www.kabaaccess.com.

Name _____

Position _____

Company _____

Address _____

City _____

State _____ ZIP (Postal Code) _____ Country _____

Phone _____

Email _____

Name of Dealer Purchased From _____

Date of Purchase _____

Lock Model Number _____

This lock will be used in what type of facility?

- Commercial Building Industrial / Manufacturing Airport
 College/University Government/Military School/Educational
 Hospital/Healthcare Other (please specify) _____

What area is being secured with this lock? (e.g. Front Door, Common Door, Exercise Room)

This lock is:

- New Installation
 Replacing a conventional keyed lock
 Replacing a Kaba Mechanical Pushbutton Lock
 Replacing a Kaba Electronic Access Control
 Replacing a Keyless Lock other than Kaba

How did you learn about Kaba Access Control Pushbutton Locks?

- Advertisement Previous Use Internet / Web Another Use
 Locksmith Maintenance Training Class Other (please specify) _____

What was your reason for buying this lock? _____

Who installed your lock?

- Locksmith Maintenance Other _____

Check here if you would like more information on Kaba Access Control locks.

C-3 Changing the Key Cylinder:

A standard, factory installed cylinder (54450) has been provided with the E-Plex 3000. To change/replace the cylinder, carefully follow the steps below.

1. Change Master Code and place lock in Passage Mode.

STEP 1. Enter # to Start the Programming Mode

STEP 2. Enter the 8-Digit Factory Default Master Code: 1 2 3 4 5 6 7 8 #

STEP 3. Enter Change Master Code Code Command: 0 0 0 #

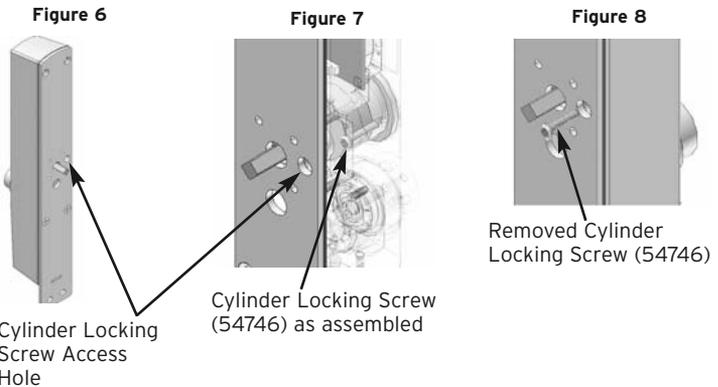
STEP 4. Enter New 8-Digit Master Code: 8 7 6 5 4 3 2 1 #

STEP 5. Reenter New Master Code to Confirm: 8 7 6 5 4 3 2 1 #

STEP 6. Enter Code Command: 399 # 1 # to Activate Passage

STEP 7. Enter # to Exit Programming

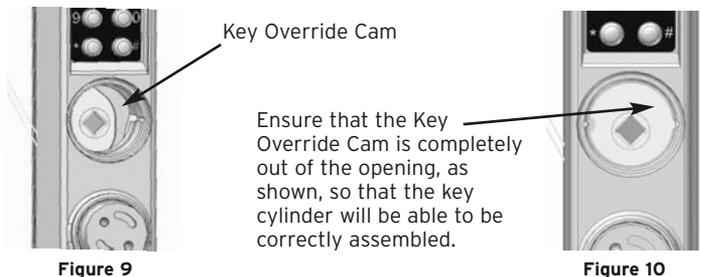
2. With a Phillips Head screwdriver, remove and retain the Cylinder Locking Screw (54746) that secures the factory installed cylinder into the housing. (**Fig's. 6, 7, and ,8**)



3. Remove the existing cylinder from the housing assembly.

Tip: You can insert the key half way into the key way and use it as a tool to aid in rotating the cylinder out far enough to remove it by hand.

4. Inside the cylinder hole of the housing, ensure the Key Override Cam is positioned clear (**Fig's 9 & 10**).



- Orient the lock to keep the Key Override Cam clear and insert the new cylinder (**Fig 11**).

Allow gravity to assist in keeping the Key Override Cam out of the opening.



Figure 11

- Insert the new cylinder all the way until the MS Cam bottoms out on the Gear Pack. Once it bottoms out, back rotate the cylinder until the plug is at the Six O'clock position. (**Fig's 12, 13, and 14**)



Figure 12

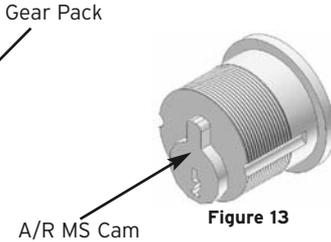


Figure 13

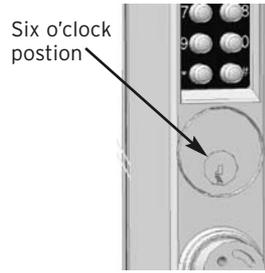


Figure 14

- Clear the lock out of "Passage Mode."
 - STEP 1.** Enter # to Start the Programming Mode
 - STEP 2.** Enter the Master Code: 8 7 6 5 4 3 2 1 #
 - STEP 3.** Enter Code Command: 399 # 0 # to De-activate Passage
 - STEP 4.** Enter # to Exit Programming
- Test the function of the cylinder by holding the cylinder in place and rotating the key 90 degrees clockwise. The Lever or Thumb Turn should be able to freely move, as if you were opening a door. Return the key to its original position and remove. Attempt to rotate the Lever or Thumb Turn. The lock should remain secure.
- If lock performs adequately, secure cylinder in place with the original cylinder locking screw. Screw must be fully inserted, bottoming out on the cylinder/housing.

If the lock fails to perform as intended, place the lock back into passage mode and return to step #3.

D. LOCK INSTALLATION

(See Figs. 15a, b, and c)

Note: This step is to be done with the door open.

D-1 From the Screw Pack, place the two Mounting Bushings (b) into the upper, interior $\frac{3}{8}$ " holes.

D-2 Deadlatch: Place one end of the square spindle into the upper hole of the lock (marked "L" on backplate) and the other end into the square opening of the Cam Plug (d-1), bringing the lock towards the face of the stile until the two pins of the Cam Plug mate into the two holes of the lock mounting plate.

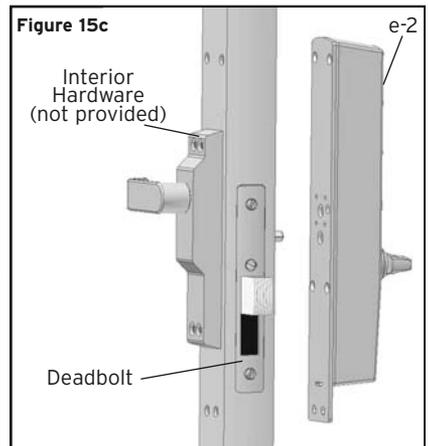
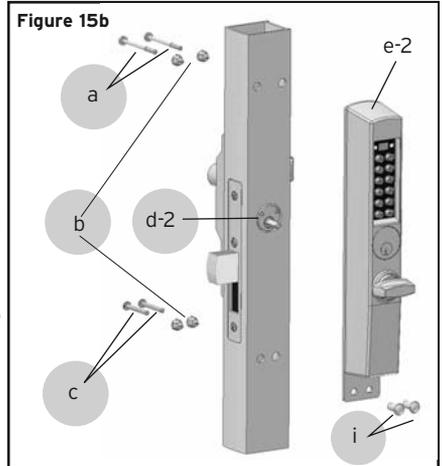
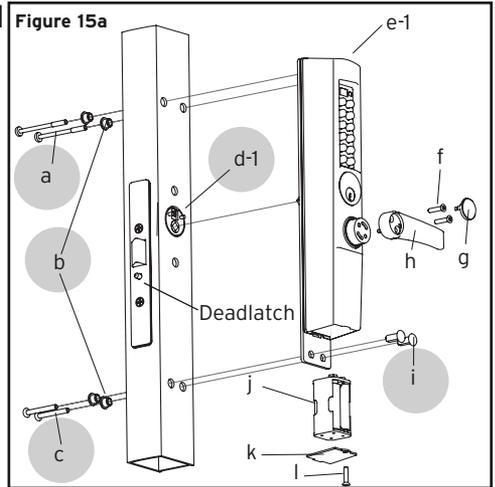
Deadbolt: Align spindle end of cam (d-2) to lower hole of the lock (marked "B" on backplate) bringing the lock towards the face of the stile until the two pins of the Cam Plug mate into the two holes of the lock mounting plate.

D-3 From the Screw Pack, place two Mounting Plate Bushings (b) into the lower, interior $\frac{3}{8}$ " holes.

D-4 Secure the upper portion of the lock to the stile with two 10-24 x 2 $\frac{3}{8}$ " screws (a), inserting the screws directly into the upper portion of the lock.

D-5 From the screw pack place the mounting plate bushings (i) through the "D" shaped holes and Through the lower, interior $\frac{3}{8}$ " holes.

D-6 Secure the lower portion of the lock to the stile with two 10-24 x 1 $\frac{1}{2}$ " screws (c), inserting the screws into the other two Mounting Plate Bushings (b).



- D-7 Locks with Levers**—Based on the required handing of the lock as determined in section C, install the Lever (h) and Lever Cap (g) using torx screws (f) and provided torx wrench. Secure lever cap (g) with Allen Set Screw using supplied Allen wrench. **(See Figure 16)**
- D-8** Check for proper operation of the lock using thumbturn/lever with key in override cylinder turned to the three o'clock position. Once smooth lock operation is verified, tighten cam adjustment screw on mortise face and re-install Adams Rite Scalp with 2 or 3 screws.
- D-9** Before closing the door, refer to Section E—Standard Operating Procedures, to ensure proper function.

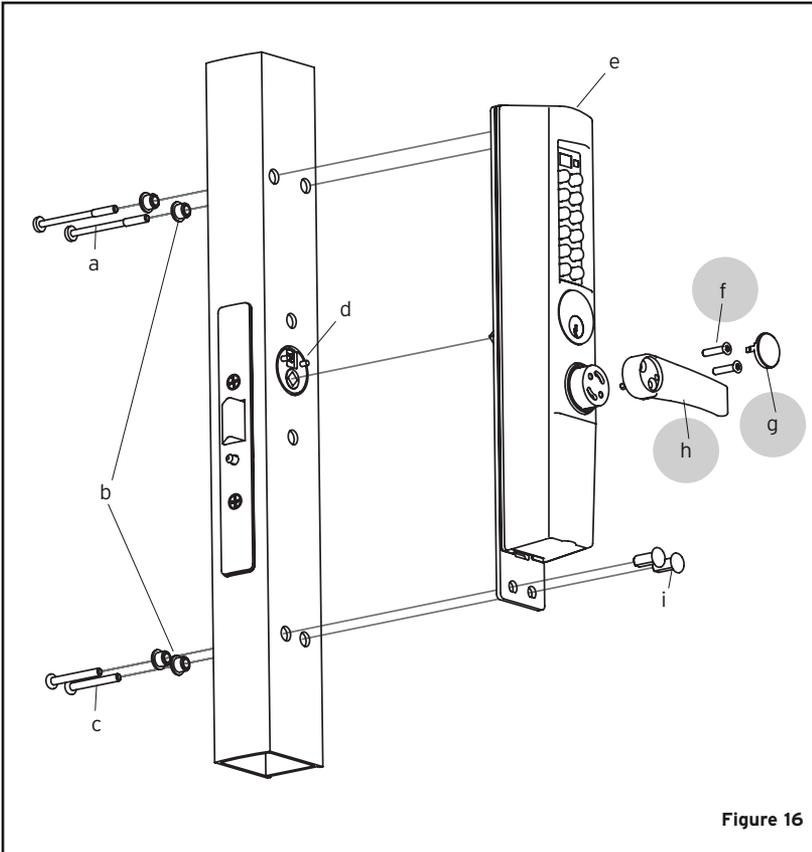


Figure 16

E. STANDARD OPERATING PROCEDURES

- E-1** This lock is equipped with a standard break away clutch. In the “home position,” the lever or thumb turn is horizontal to the floor with the ability to “break away” down to a detented position as the lever or thumb turn is rotated. This “break away” action protects internal components.

Note: Before entering a code, the lever or thumb turn should be positioned horizontal to the floor (home position). **(See Figure 17)**

- E-2** Enter the factory default Master PIN (access code) by depressing the appropriate code buttons. With each button depression you should hear a short audible beep, and see a green light at the top right of the number pad. Once the last button in the code is depressed, you will hear a longer audible beep and internal motor action releasing the locking device. At this point, you have 5 seconds to retract the latch or the lock will time out and go secure.

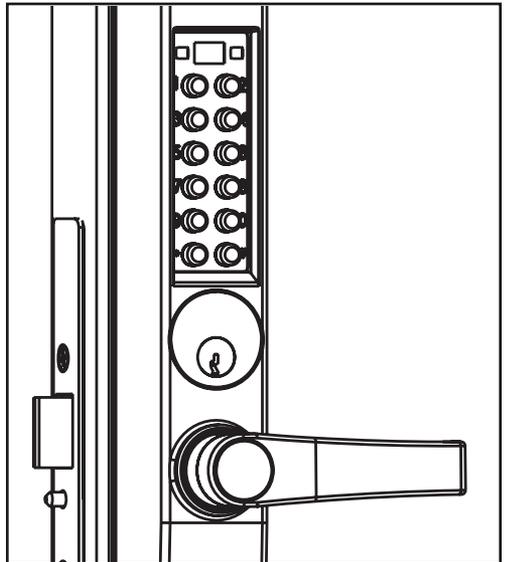


Figure 17

F. PROGRAMMING:

- F-1** You must change the master Code from the factory default to another code to program the lock. For further information on how to program the E-Plex 3000 Series Models, refer to the companion “E-Plex 5000/3000 Operation Manual.”



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