Figure 1 - Unicon CL10/CL20 Metal Dead Bolt Lock Parts

Front Housing Assembly
Cross Throw Chamber Mounting Plate
Chamber Mounting Plate Screws (2)
End Throw Chamber Mounting Plate
Mounting Posts
Mounting Post Screws
Chamber Assembly Screws (2)
Chamber Assembly
Bolt
Bolt Guide
Bolt Guide Rivets (5)

Basic Tools and Materials Needed

- Drill (variable speed is best)
- 1" drill bit or 1" hole saw
- 1/8" (3mm) drill bit
- 5/16" (8mm) drill bit or step drill
- 7/16" (11mm) drill bit or step drill
- Scribe, awl, center punch, or sharp instrument for marking holes (& for rivets)
- Fine round metal file or or deburring tool to remove all sharp edges
- Small Phillips head screwdriver (recommend magnetized tip)
- Hammer (if installing rivets provided)
- Pencil
- Tape measure or ruler
- Tape
- ESD wrist band

WARNING: Kaba Mas locks are protected from 25,000 V Electrostatic Discharge (ESD) damage when correctly installed. Follow these precautions to avoid ESD damage when installing the lock:
• Do not touch the circuit board wthin the front housing assembly.
• Use an ESD wrist band grounded to the lock or container during installation.

These installation instructions are intended for a standard install. Please refer to the Kaba Mas web site for installation variations.
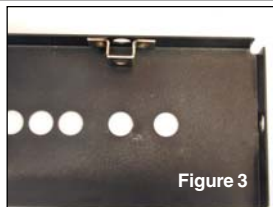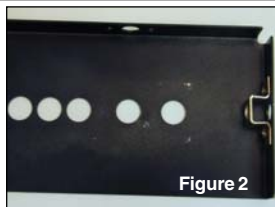
Prepare for New Installation of the Lock *(If Required)*

1. Verify the position for the strike (if applicable) before preparing the mounting surface for installation.

2. Use the template provided to prepare the mounting surface for lock installation. Complete steps A, B, and C.

Install Bolt Hardware *(If Required)*

1. Use a hammer and center punch to mount the bolt guide onto the inside surface using the rivets provided. (Figure 2 - End Throw, Figure 3 - Cross Throw)
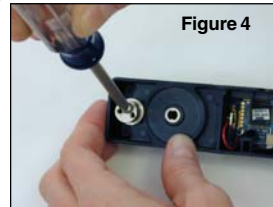
Note: *A pop rivet gun and appropriate size pop rivets may be used instead of the standard rivets provided.*
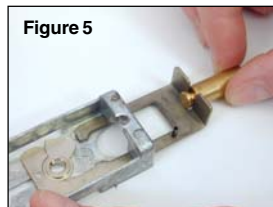

Figure 2

Figure 3

Install Lock

1. Place mounting posts on housing assembly and attach with thread forming screws (without star washers.) (Figure 4)

Note: *Ensure that the screw holes of the mounting posts align with the screw holes in the front housing assembly.*

Figure 4

****

For an End Throw Installation: (See back of sheet for Cross Throw.)

2. Pull the follower all the way forward to the locked position and place the bolt in the follower. (Figure 5)

3. Place the back plate assembly with bolt on the inside mounting surface of the cabinet or container and slide the assembly to place the bolt into the bolt guide. (Figure 6)
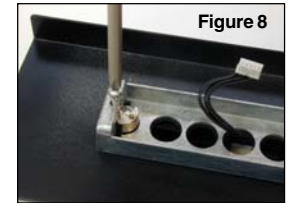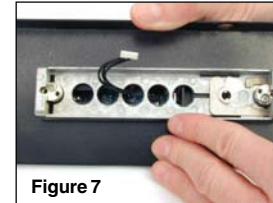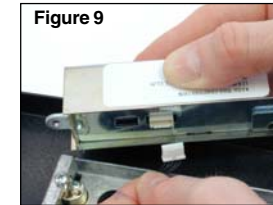

Figure 5

Figure 6

4. Ensure that the follower is still in the locked position (pulled forward as in Figure 5) and align the holes in the back mounting plate with the holes in the mounting surface.

5. Orient the front housing assembly to the correct position in alignment with the mounting surface, and feed the cable through the middle hole of the mounting surface and the back mounting plate while also aligning the posts with the holes. (Figure 7)
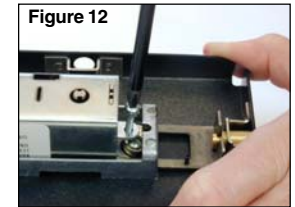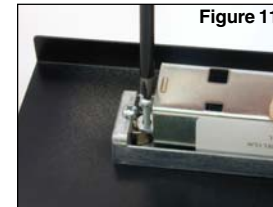

Figure 7

Figure 8

6. Install the rear 4-40 x 1/2" mounting screw (away from the spindle) to attach the chamber plate to the front housing. (Figure 8)

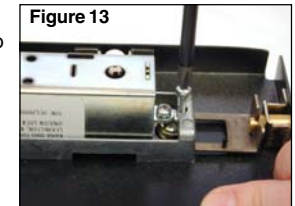7. Plug the cable from the front housing assembly into the chamber assembly. (Figure 9)

Figure 9

Figure 10

8. Insert the spindle shaft into the front housing through the chamber plate. (Figure 10)

Note: *You may have to turn the knob to engage the spindle.*

9. Install the rear 4-40 x 3/8" mounting screw (away from the spindle) to attach the chamber to the front housing. (Figure 11)

10. Install the front 4-40 x 3/8" mounting screw (closest to the bolt) to attach the chamber to the front housing. (Figure 12)

Figure 11

Figure 12

11. Install the front 4-40 x 1/2" mounting screw (next to the bolt) to attach the chamber plate to the front housing. (Figure 13)

Figure 13

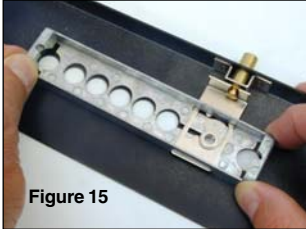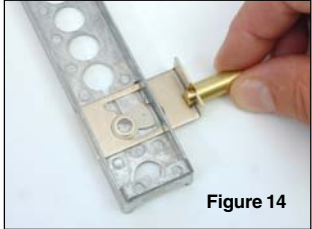**
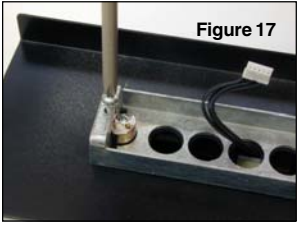
For a Cross Throw Installation: (See front of sheet for End Throw.)

2. Pull the follower all the way forward to the locked position and place the bolt in the follower. (Figure 14)

3. Place the back plate assembly with bolt on the inside mounting surface of the cabinet or container and slide the assembly to place the bolt into the bolt guide. (Figure 15)
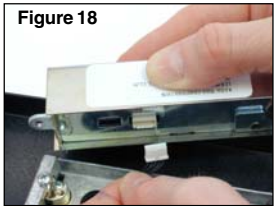

Figure 14

Figure 15

4. Ensure that the follower is still in the locked position (pulled forward) and align the holes in the back mounting plate with the holes in the mounting surface.

Figure 16

Figure 17

5. Orient the front housing assembly to the correct position in alignment with the mounting surface, and feed the cable through the middle hole of the mounting surface and the back mounting plate while also aligning the posts with the holes. (Figure 16)

6. Install the rear 4-40 x 1/2" mounting screw (away from the spindle) to attach the chamber plate to the front housing. (Figure 17)
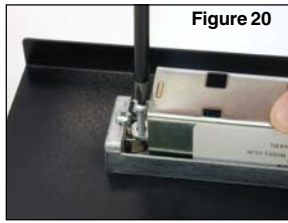
7. Plug the cable from the front housing assembly into the chamber assembly. (Figure 18)

Figure 18

Figure 19

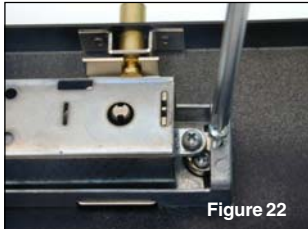8. Insert the spindle shaft into the front housing through the chamber plate. (Figure 19)

Note: *You may have to turn the knob to engage the spindle.*

9. Install the rear 4-40 x 3/8" mounting screw (away from the spindle) to attach the chamber to the front housing. (Figure 20)

Figure 20

Figure 21

10. Install the front 4-40 x 3/8" mounting screw (closest to the bolt) to attach the chamber to the front housing. (Figure 21)

11. Install the front 4-40 x 1/2" mounting screw (next to the bolt) to attach the chamber plate to the front housing. (Figure 22)
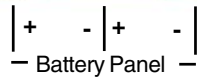

Figure 22

Install Batteries

1. Remove the two screws from the battery panel and then remove the panel. (Figure 23)

2. Install two fresh, high quality, name brand (Energizer® or Duracell®) CR-2 lithium batteries. (Figure 24)

Note: *The negative end of the battery should be inserted into the battery cavity first.*

Figure 23

| + | - | + | - |

— Battery Panel —

Figure 24

Figure 25

3. While the lock is locked, turn the knob forcefully to adjust the KABA logo to the horizontal position. (Figure 23)

4. Test opening of the lock with the default combination for the model you are installing: Model CL10 - "5525", Model CL20 - "111 12345".

Note: *For the Model CL10, you must test the lock by toggling between locked and unlocked. To unlock, simply enter the default lock user combination of "5525". To lock the lock, enter the default lock user combination of "5525". Then press and hold the ⬆ key until the yellow light -Ⓨ- displays.*

5. Reattach the battery panel (Figure 25) and test the lock once more with the default combination.