

Figure 1 - Unicon CL20 Wood Dead Bolt Lock Parts

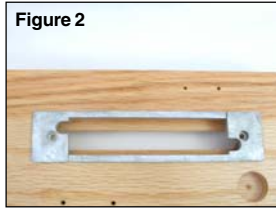
These installation instructions are intended for a standard install. Please refer to the Kaba Mas web site for installation variations.

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.

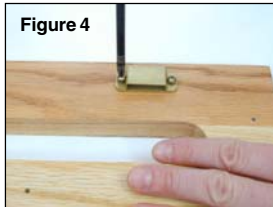
1. Use the template provided to prepare the mounting surface for lock installation. Complete steps A, B, and C.

2. Check the width and length of the drilled hole to ensure that the back mounting plates will fit correctly. (Figure 2)



Install Bolt Hardware (If Required)

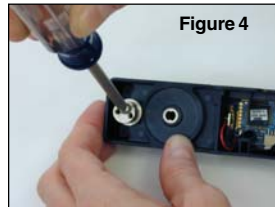
1. Mount bolt hardware (plate and guide) onto inside surface using the two brass Phillips head wood screws. (Figure 3 - End Throw, Figure 4 - Cross Throw)



Note: If installing on a 1/2" mounting thickness, use the second bolt plate provided to shim the bolt guide up.

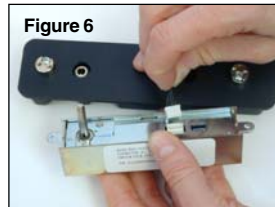
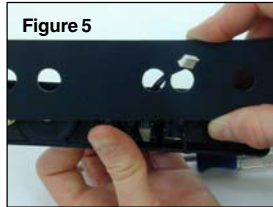
Install Lock

1. Place mounting posts on housing assembly and attach with 1/2" thread forming screws. (Figure 4) For 1/2" thick mounting surfaces, use the short mounting posts. For 5/8"-7/8" thick mounting surfaces, use the long mounting posts.



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

2. Orient the trim plate to the correct position in alignment with the housing assembly and feed the cable through the middle hole. (Figure 5) Place the flat side toward the front housing assembly.



3. Place the trim plate over the mounting posts.

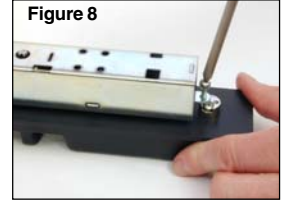
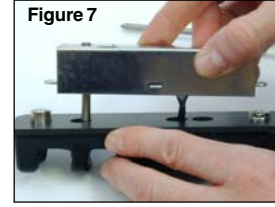
Basic Tools and Materials Needed

- Drill (variable speed is best)
- 1" drill bit or 1" hole saw
- 1/16" (1.6mm) drill bit
- Scribe, awl, center punch, or sharp instrument for marking holes
- Small flat head screwdriver
- Small Phillips head screwdriver (recommend magnetized tip)
- Jig saw (Keyhole saw or coping saw optional)
- Fine cut wood file
- 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:

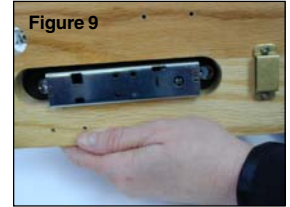
- Do not touch the circuit board within the front housing assembly.
- Use an ESD wrist band grounded to the lock or container during installation.

4. Plug the cable into the chamber assembly. (Figure 6)
5. Insert the spindle shaft into the front housing. (Figure 7)



Note: You may have to turn the knob to engage the spindle. **Do not push the cable back through into the front housing assembly.**

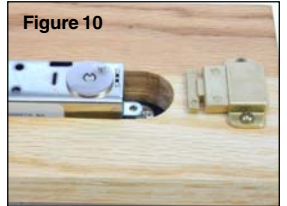
6. Install the rear 4-40 x 3/8" mounting screw (away from the spindle) to attach the chamber to the front housing. (Figure 8)



7. Place the assembly through the opening in the door with the knob toward the bolt guide. (Figure 9)

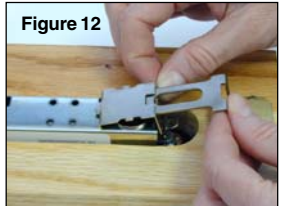
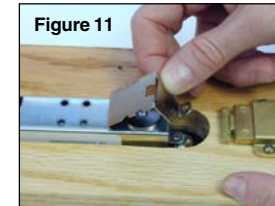
For an End Throw Installation:

8. Insert the bolt into the bolt guide. (Figure 10)



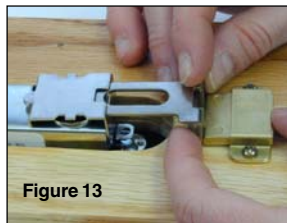
9. Place the cam (marked by an E on the back surface) onto the control shaft, with the post closest to the bolt guide. (Figure 10)

10. Insert follower guide into the slot on the chamber. (Figure 11)



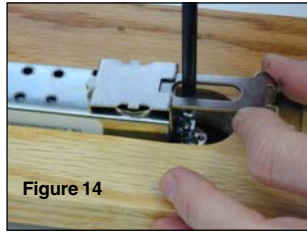
11. Pivot the follower guide down halfway and insert the follower into the slot. (Figure 12)

12. Pivot the follower guide down the rest of the way and engage the legs of the follower into the the bolt slots. (Figure 13)



13. Move the follower forward until it engages the cam post.

14. Screw through the follower guide and chamber with the 4-40 x 3/8" screw to secure the follower assembly. (Figure 14)



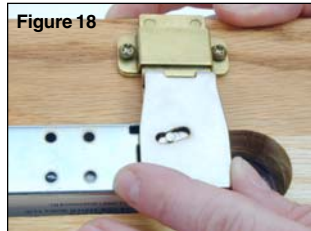
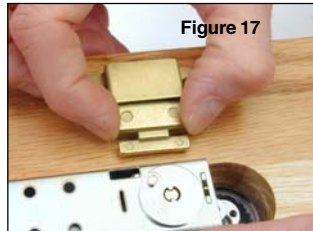
15. Insert the back mounting plates with ridges inserted into the hole in the mounting surface. (Figure 15)



16. Secure back mounting plates with 3-28 x 1/2" screws. (Figure 16)

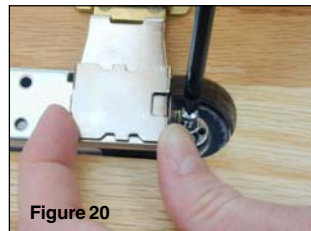
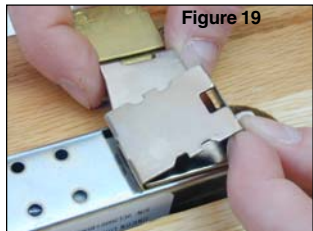
For a Cross Throw Installation:

8. Insert the bolt into the bolt guide. (Figure 17)



9. Place the cam (marked by a C on the back surface) onto the control shaft, with the post closest to the bolt guide. (Figure 17)

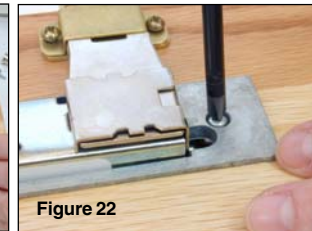
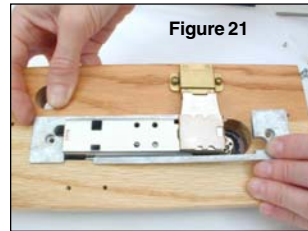
10. Place the follower over the chamber and cam with the follower legs engaging the bolt. (Figure 18)



11. Insert follower guide into the slot on the chamber and pivot the follower guide down to position/retain the follower. (Figure 19)

12. Screw through the follower guide and chamber with the 4-40 x 1/2" screw, to secure the follower assembly. (Figure 20)

13. Insert the back mounting plates ensuring that the end tabs fit under the adjoining plate. (Figure 21)



14. Secure back mounting plates with the two 3-28 x 1/2" screws. (Figure 22)

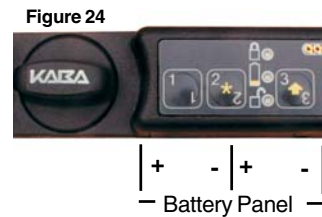
Install Strike (If Required)

1. Install the strike using the two chrome Phillips head wood screws. (Figure 23)
2. Once adjusted, secure the center of the strike with a third chrome Phillips head wood screw.

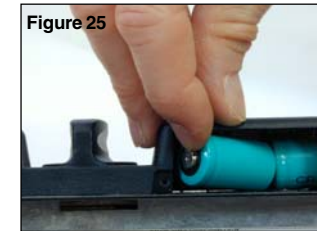


Install Batteries

1. Remove the two screws from the battery panel and then remove the panel. (Figure 24)
2. Install two fresh, high quality, name brand (Energizer® or Duracell®) CR-2 lithium batteries. (Figure 25)



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



3. Test opening of lock with default combination of "111 12345".

4. Reattach the battery panel (Figure 26) and test the lock once more with the default combination.

5. Turn the knob to adjust the KABA logo to the horizontal position. (Figure 24)

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Product warranty information can be found at: www.kaba-mas.com

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