

# **ELECTRONIC COMBINATION LOCK**

## **FIELD INSTALLATION KIT (P/N 5000-0033)**

### **INSTRUCTIONS**

TDN 7103-0016 12/96

TRITON SYSTEMS, INC.

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## Installation Procedure For Triton Systems, Inc. Electronic Combination Lock

### I. Tools and Equipment Needed

- |  |                                     |
|--|-------------------------------------|
| 1. #1 and #2 Phillips Head Screwdriver | 5. 9/16" Wrench                     |
| 2. Flat Head Screwdriver               | 6. Rubbing Alcohol and Paper Towels |
| 3. Needle nose Pliers                  | 7. Knife or Scissors                |
| 4. 7/16" Wrench                        | 8. Crescent Wrench                  |

### II. List of Materials

- |   |                          |
|---|--------------------------|
| 1. 1/2" Flat Head Mounting Plate Screws (2) | 7. Deadbolt Assembly (1) |
| 2. Combination Panel Mounting Plate (1)     | 8. Tie Wrap Posts (3)    |
| 3. Push-button Combination Panel (1)        | 9. Tie Wraps (3)         |
| 4. 1" Phillips Head Deadbolt Screws (3)     | 10. Battery Box (1)      |
| 5. Plastic Spindle Bushings (2)             | 11. 9 Volt Battery (1)   |
| 6. Brass Lock Spindles (4)                  |                          |

### 111. Removal of Mechanical Combination Lock from Business Hours Service ATMs

1. Disconnect power to the unit and open the security container door.
2. Remove the door panel from the rear of the door by first removing the two large Phillips screws (or 9/16" bolts) located in the center of the door panel and the six #8 Phillips screws located at the top and bottom of the door panel.
3. With the door panel removed, the mechanical deadbolt assembly may now be removed. Remove the two screws which attach the deadbolt cover to the deadbolt and remove the cover.
4. Remove the brass shaft key located in the center of the spindle by pulling directly out on it with a pair of pliers (see Figure 1). Unscrew the outer combination dial from the black spindle wheel and remove both the dial and the wheel from the lock assembly.

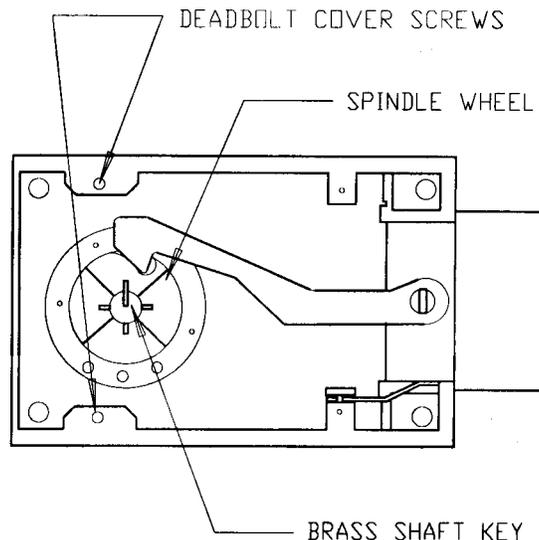


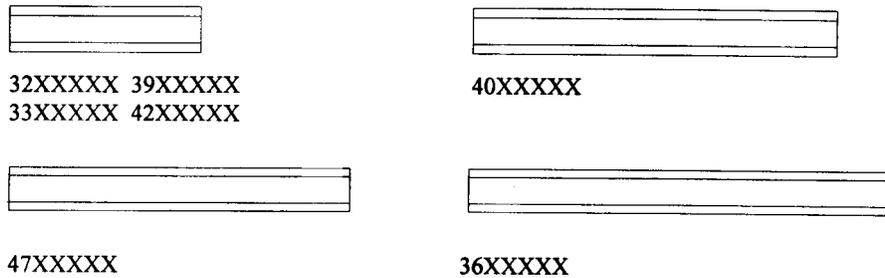
FIGURE 1. MECHANICAL LOCK WITH COVER REMOVED

5. Remove the four screws which attach the deadbolt assembly to the inside of the door and remove the deadbolt assembly.
6. Remove the two screws which attach the dial plate to the front door and remove the dial plate.

- To remove the lock on 24 Hour Service ATMS, open the safe and remove the latchwork cover. Remove the press pin located on the relocking shaft which holds the shaft in place. Remove the two screws which attach the relocker bracket to the deadbolt lock cover. Remove the relocker cover, spring, and shaft from the unit and set aside. Remove the entire lock assembly from the unit.

IV. Installation of the Electronic Lock Assembly on Business Hours Service and 24 Hour Service ATMS.

- For all units, attach the dial mounting plate to the outside of the door using the two shoulder screws supplied. Make sure the word "UP" stamped on the front of the dial plate is facing up if the mounting holes are positioned vertically (see Figure 3) or to the right if the holes are aligned horizontally (see Figure 2).
- Four brass lock spindles are supplied with the installation kit. Only one of the brass spindles will be used for the particular unit which the lock will be installed. To determine which spindle to use, match the first two digits of the ATM serial number with the numbers under each of the spindle outlines below. The shorter spindle is used on Business Hours Service ATMs while the longer spindles are used on 24 Hour Service units. Find the matching spindle in the kit and discard the others.



- Install the brass spindle into the rear of the combination dial plate making sure that the channel in the spindle is aligned with the wire exiting the back of the panel.
- Install the plastic panel bushing down over the panel connector on the end of the panel wire and down over the spindle. Make sure that the two alignment holes on the bushing mate with the posts on the rear of the combination panel.
- Feed the panel lead through the front of the security container door and then insert the combination panel onto the shoulder screws which attach the combination mounting plate to the front of the door. Turn the combination dial clockwise until the dial stops, then turn the dial counter clockwise until the numbers are aligned either vertically or horizontally (depending on the model of the cabinet). Refer to Figures 2 and 3 for assembly of the lock.

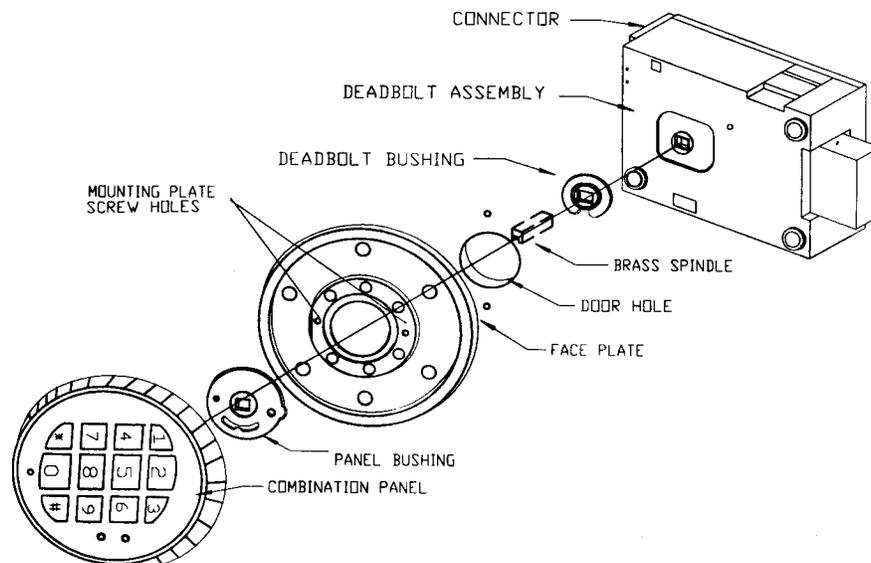


FIGURE 2. HORIZONTALLY MOUNTED LOCK

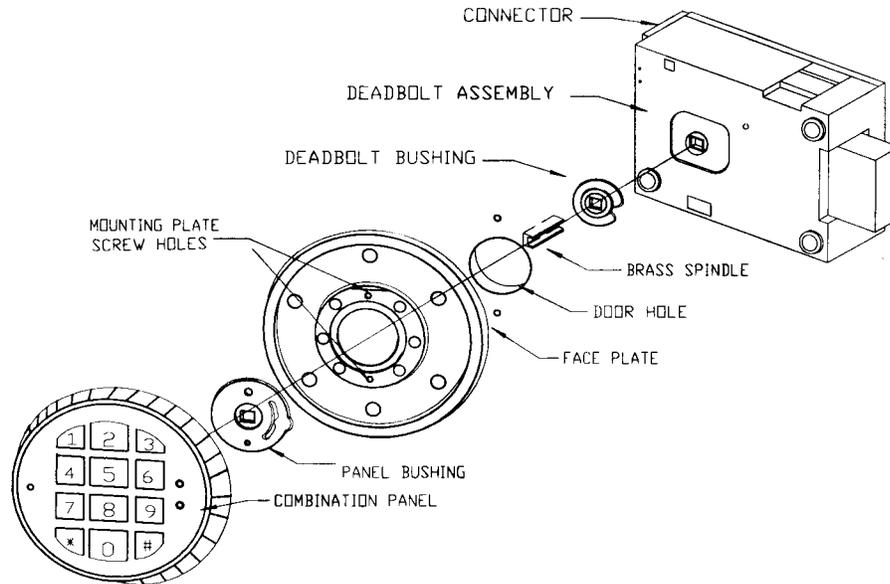


FIGURE 3. VERTICALLY MOUNTED LOCK

6. Feed the end of the combination panel lead through the center of the second plastic bushing. Make sure the flat side of the bushing is facing outward. Slide the bushing down the spindle so that the channel in the spindle is aligned with the slot in the bushing.
7. Place the deadbolt assembly onto the spindle and attach to the back of the door using the mounting screws supplied. Make sure the combination panel lead exits from the bottom of the lock.
8. Plug the combination panel lead into the **top** receptacle on the deadbolt connector. Make sure the connection is secure by gently pulling on the wire to make sure it does not disconnect from deadbolt assembly.
9. Open the battery box and install the 9 volt battery. Connect the plug on the end of the battery box lead into the **lower** receptacle on the deadbolt connector. Again, check to make sure the connection is secure. Clean the back of the door at the area where the battery box will be installed with the alcohol pad provided. Remove the backing from the tape on the back of the battery box and press the box firmly onto the door. Make sure there is some slack in the battery cable (see Figure 2).
10. For 24 Hour Service ATMs, a notch is cut in the latchwork cover to allow the battery box to be placed outside the latchwork. Make sure when putting the latchwork cover back onto the unit, that the wire passes through this slot.
11. Attach the tie wrap posts to the back of the door along the length of the battery cable and tie wrap both the battery cable and the combination panel cable to the tie wrap posts. Some units already have tie wrap posts welded to the inside of the door to tie wrap the cables to. Make sure the cables do not interfere with the latchwork. Enter the combination 1-2-3-4-5-6 and turn the combination dial clockwise to open the lock and then turn the T-Handle. **Make sure the lock operates properly before shutting the safe door !!!**
12. Install the latchwork cover back onto the door. Make sure to install the relocker mechanism back onto the lock on 24 Hour Service units before installing the cover.

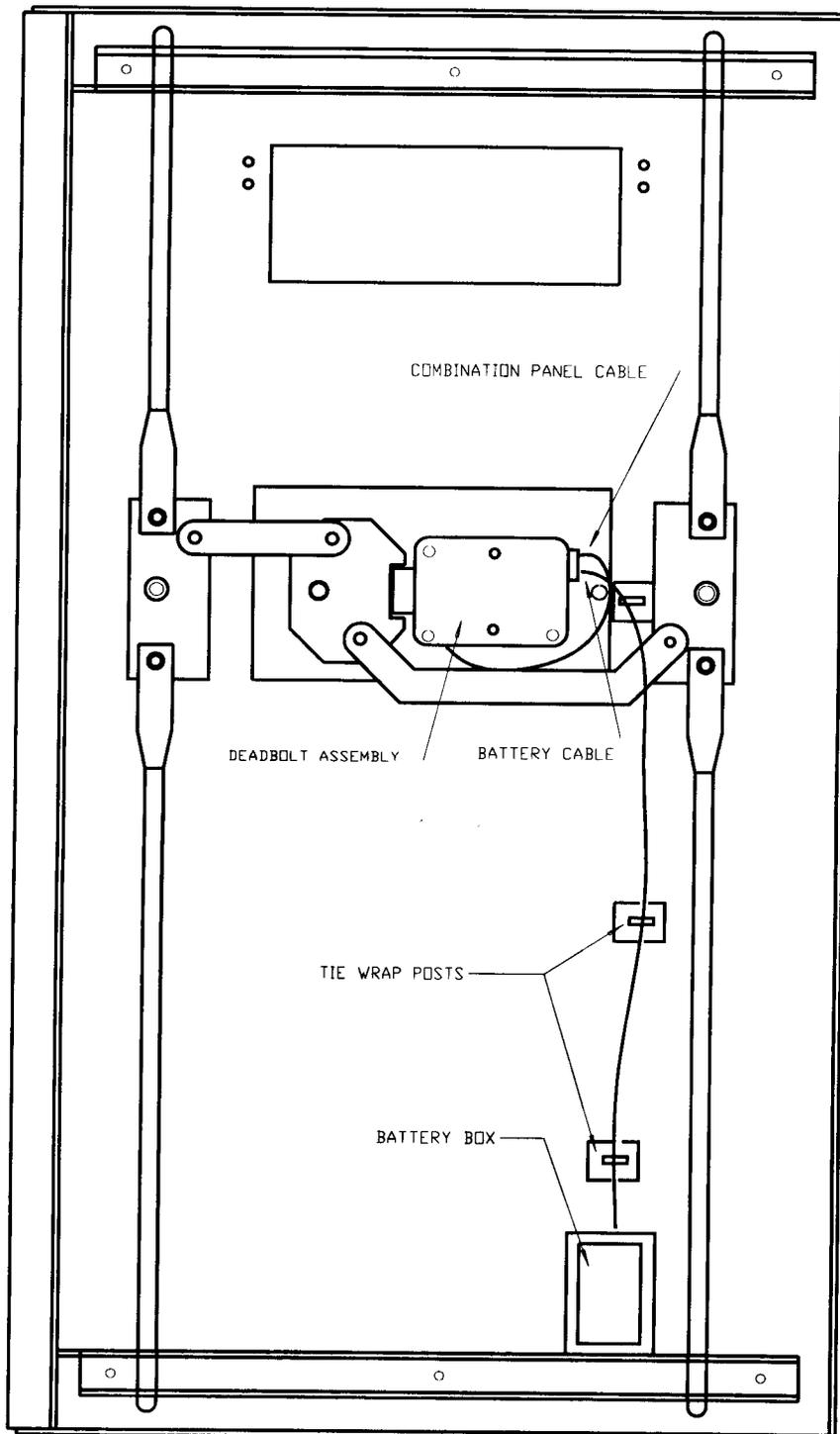


Figure 4.