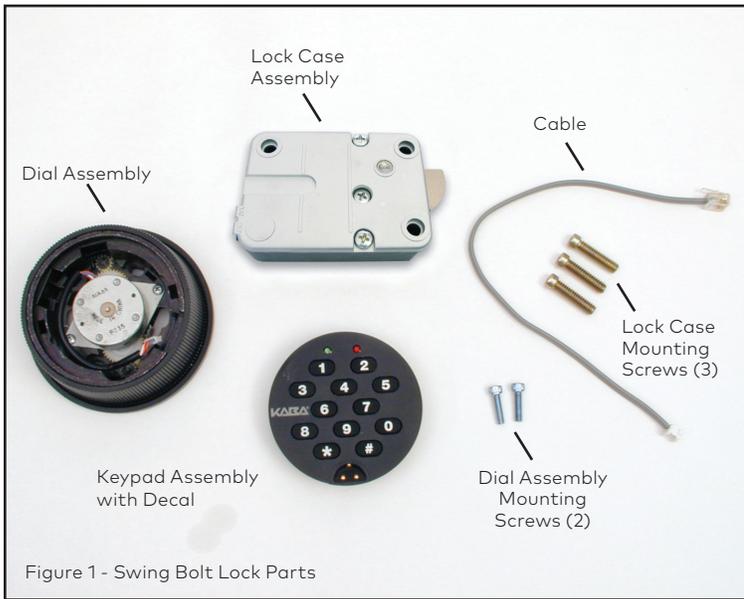


# AUDITCON® 2 SERIES LOCKS

## MODELS 52, T52, 252, 552 - ROUND HOUSING SWING BOLT

### INSTALLATION INSTRUCTIONS



#### Basic Tools and Materials Needed

- Medium Phillips head screwdriver (#2) (recommend magnetized tip)
- 6/64" Allen Wrench
- ESD wrist band

#### Recommended, but not required:

- Torque screwdriver (30 inch-pounds/3.4 newton-meters capacity)
- Loctite® 262 (Red) for use on lock case mounting screws

**WARNING: dormakaba 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:**

- Handle the keypad assembly by the outer edge only.
- Use an ESD wrist band grounded to the lock or container during installation.

Figure 1 - Swing Bolt Lock Parts

The installation instructions are the basis for Security Agency Approvals. The lock installation must be done in accordance to these instructions in order to maintain the labeled approval level.

In order to maintain VdS Class 2/EN 1300 Class B lock approval levels in a container where multiple locks are required, special considerations must be observed. The Auditcon 2 Series lock must be the first one secured by the boltworks. Check the locked status of the container with the handle of the boltworks.

#### Design Parameters for Auditcon 2 Series Locks

1. Bolt dimensions (nominal): .313 inches x .900 inches/7.95 x 22.8mm
2. Bolt movement (nominal): .475 inches/12.07mm
3. Bolt extension: .475 inches/12.07mm
4. Maximum load movable by the bolt: None

**NOTE:** Auditcon 2 swing bolt locks must be installed in such a way that no side or counter acting load affects the bolt and the bolt can move freely.

5. Maximum load against bolt when thrown (all directions): 224.8 lbs.(1kN)
6. The lock can be fitted to safes or vault doors of any material.

**NOTE:** As is the case with all mechanical and electronic locking devices, the container and boltworks must be designed to protect the lock.

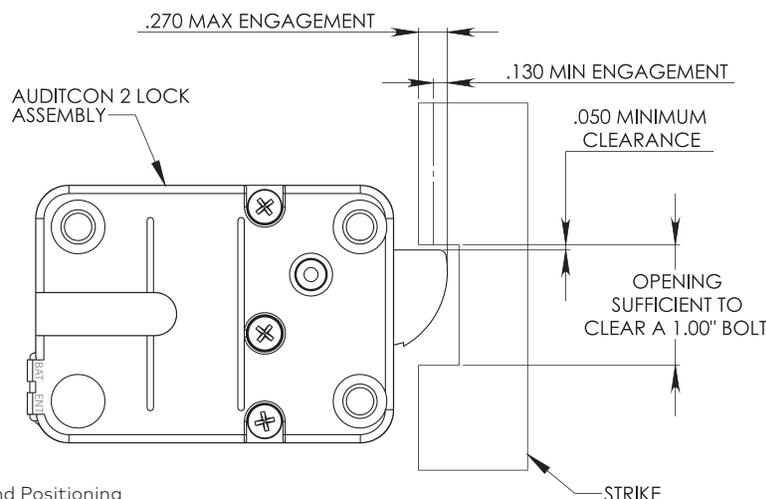


Figure 2 - Swing Bolt Clearances and Positioning

## Prepare for New Installation of the Lock (If Required)

1. Using the lock parts along with the installation template provided, establish the exact location location (relative to the cable/spindle hole) for the drilled and tapped holes for the lock and dial assembly.

**CAUTION:** The lock case must be mounted exactly according to the template if mounted over the cable routing hole. Otherwise, the lock case must be mounted so that no part of the case covers the cable routing hole.

2. The cable hole diameter can be a minimum of .406" (10.3mm) to a maximum of .438" (11.1mm). The .406" (10.3mm) diameter is recommended. The cable hole must be deburred.
3. The keypad/base assembly mounting screws require drilled and tapped holes to 3/8" (9.5mm) depth if possible (minimum 1/4" or 6.4mm depth required.) Drill either the two horizontal mounting holes or the two vertical holes.
4. When mounting the lock unit (i.e., integrating it in a boltwork), make sure that the lock bolt has clearance to freely move to its end positions and that the shifting force works only in the axial direction (direction of movement). Lateral forces should not be exerted on the lock. A minimum clearance of 1/20" (1.27mm) is required between the flat edge of the bolt and the inside contact edge of the strike. Refer to Figure 2.

## Part I: Install Front Housing Assembly

1. Route the end of the lock cable with the Picoflex connector from the back of the container door through the cable routing hole so that approx. 6 1/2" (165.1mm) of the cable is available from the front. (Figure 3)
2. Hold the dial assembly in the upright position. (The generator cable should be positioned at approximately one o'clock.) (Figure 4)
3. Guide the ribbon cable through the cable receiving hole. (Figure 5).
4. Align the dial assembly with the mounting holes, and position against the outside of the container door, ensuring that 6 1/2" (165.1mm) of cable is still available from the front.
5. While holding the dial assembly in place, attach it to the container door using the two #8-32 dial assembly mounting screws and the 5/64" Allen wrench. Tighten the screws (Torque 17-20 lbs., 1.9-2.25 N-M) and then ensure that the dial turns smoothly. (Figure 6)
6. Insert the 4-pin generator cable on the dial assembly into the 4-pin connector on the back of the keypad assembly. The generator cable will only connect to the keypad assembly in one orientation. (Figure 7)
7. Insert the keyed Picoflex connector on the end of the ribbon cable into the connection header on the keypad. (Figure 8)
8. Position the generator cable and the ribbon cable around the generator in a counter-clockwise direction to ensure that the cables will not be pinched when you attach the keypad assembly. (Figure 9)

**CAUTION Next Step:** Once the keypad assembly is snapped into place, it cannot be easily removed without performing an "uninstall" procedure. **Do not snap the keypad assembly into place when performing the next step.**

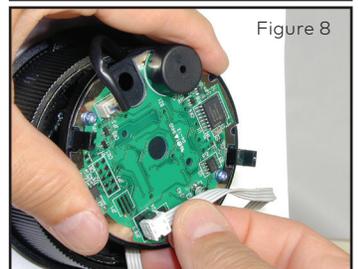
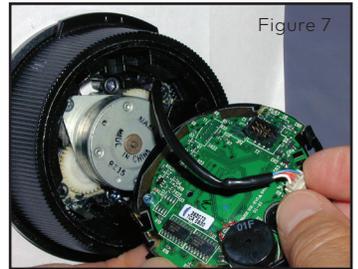
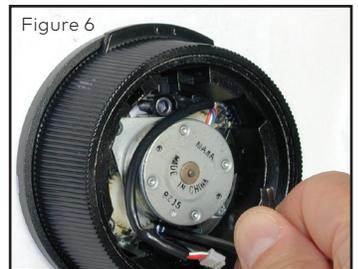
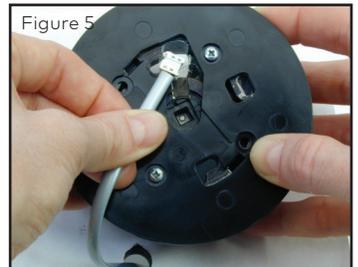
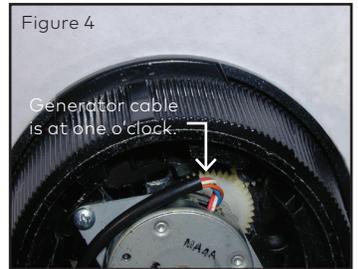
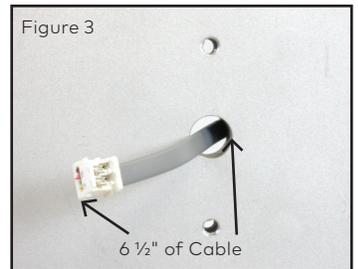
9. Align the keypad assembly in the upright position and carefully insert the two catches on the keypad assembly into the notches on the dial assembly, but **do not snap the keypad assembly into place.** (Figure 10)
10. Plug the RJ11 end of the cable into the lock case in order to test the lock.
11. Test the operation of the lock before completing the installation of the keypad assembly by verifying the following:

**NOTE:** If the keypad is not oriented correctly, you can remove the keypad and adjust the orientation of the dial assembly.

- Power the lock by turning the dial back and forth until simultaneous green and red flashes display and two beeps sound to indicate that the lock is powered. Key in the Factory Combination. (For a Model 52 or T52, enter "502550". For a Model 252 or 552, enter a two-digit number in the range from 01-20, followed by "502550".) If the combination is entered successfully, continuous green flashes display to indicate that the lock is ready to open. Rotate the container handle to unlock. Then rotate the handle back to the locked position.

**NOTE:** After correctly entering a valid combination, you must retract the bolt within 4-6 seconds.

12. If the lock operation tested successfully, unplug the RJ11 end of the cable from the lock case and lay the case aside.
13. Verify that none of the cables will be pinched and snap the keypad assembly into place.



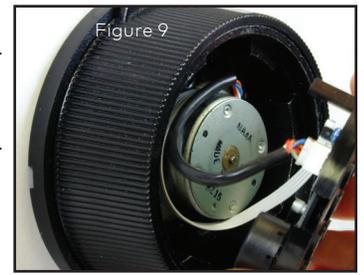
## Part II: Install Lock Case Assembly

**WARNING: Do not take the lock case assembly apart. The lock will not operate if the back cover has been removed. There are no field serviceable parts inside lock case. This action will void the lock warranty.**

1. Ensure that the cable lays in the cable channel as you mount the lock case assembly to the inside of the container door using the three ¼-20 (or M6-1) screws (Torque 25-30 lbs., 2.8-3.4 N-M), allowing ½" (1.27mm) clearance between the lock bolt and the container locking bar. (See Figure 2 for proper clearances and positioning when installing a swing bolt.)

**NOTE:** The lock case assembly can be mounted in bolt up position (Figure 11) or bolt down position for all mounting locations. The movement of the boltworks must however contact the bolt on the flat edge, not on the rounded side of the bolt. It is recommended that you use Loctite® 262 (Red) on the lock case mounting screws.

2. Test the operation of the lock again. If the lock does not operate properly, refer to the following instructions to "Uninstall Keypad Assembly".



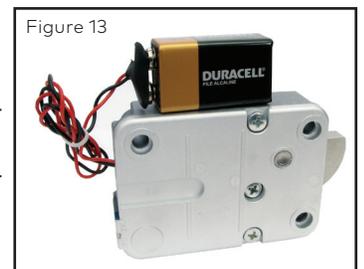
### Uninstall Keypad Assembly

1. Remove the decal from the keypad assembly.
2. Insert a flat head screwdriver into the slot in the upper left hand corner of the keypad to release one of the two keypad catches. (Figure 12.)
3. Carefully pull the keypad assembly out from the dial assembly.
4. Check for pinched or detached cables.



3. If your lock includes the Battery Assist option, you should now mount the battery clip inside the door near the lock and install a fresh 9 Volt Alkaline battery.

**NOTE:** To remove any excess cable or if you choose not to use the Battery Assist option, wrap and tie the battery assist cable. (Figure 13.)





[www.dormakaba.us](http://www.dormakaba.us)

© 2010-2018 dormakaba USA Inc. All rights reserved.  
Product warranty information can be found at: [www.dormakaba.us](http://www.dormakaba.us)

---

**NOTICE:** The information in this instruction sheet is subject to change without notice and does not represent a commitment on the part of dormakaba. dormakaba shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from the furnishing, performance or use of this material.

---

dormakaba USA Inc.  
749 W. Short Street, Lexington, KY 40508 USA  
Phone: (859) 253-4744 FAX: (859) 255-2655  
Technical Support: (800) 950-4744