Installation & Operating Instructions for 23F & 25F Series Locks

Overview of operation

The BEST patented "sequence" lock is an ideal solution for situations that require any of these situations:

- areas that must be unlocked or relocked in a specific sequence
- a masterkey is not allowed in cleaning crew's possession and must be secured on the premises
- a drug cabinet must be unlocked by a minimum of two individuals

The BEST sequence lock addresses these situations with three types of functions:

- **23F Series sequential** — requires that a series or a sequence of key removals occur in proper order.

  For example, key B, retained in core B, is released by using key A in core A. Key A is then retained in core A. Then, key C, retained in core C is released by using key B, and so forth. See Figure 1.

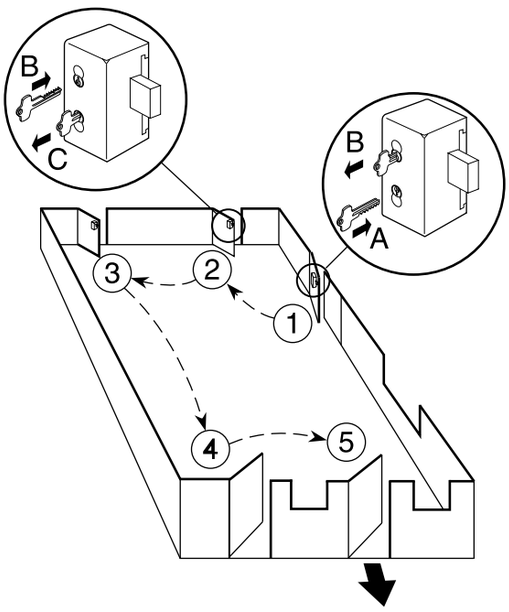

Figure 1 — Using the 23F to enforce unlocking doors in a sequence

- **23F Series key retained** — allows a high-security key to be secured and released only by specific lower-level keys.

  For example, access is allowed to a grandmaster key, retained in the lock, by three lower-level master keys.

- **25F Series interlock** — requires that two or more keys, up to 12, be used to retract or extend the bolt.

  For example, to be able to open a drug cabinet, both Mr Smith and Mr Brown must use their own key at the same time to retract the bolt.

Installation

The simplicity of installation makes the lock adaptable to most any type of door or jamb.

All three sequence lock functions install basically the same way with the exception of installing the core. See the steps on installing the core for the type of function that you have.

1 Disassemble lock

1 If not already removed, remove the cores with the control key.
2 Remove the case mounting screws at the back of the figure-8 hole. See Figure 2.

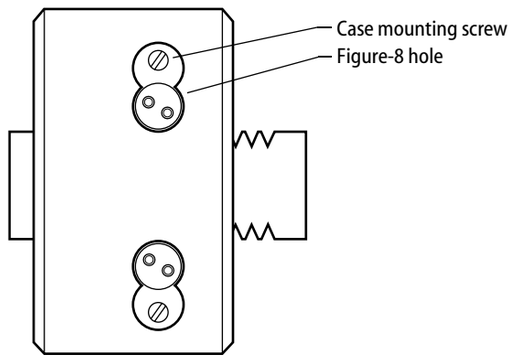

Figure 2 — Removing the case mounting screws

3 Slide off the back plate and remove the bolt.

2 Install back plate

For locks with NO outside rim cylinder

1 Determine the location of the back plate and use the back plate itself to mark the holes.

  Note: *Make sure that the location of the back plate allows enough space for the strike to be located next to it.*

2 Drill the holes for the back plate. See Figure 3.
3 Install the back plate making sure that the case mounting holes are located on the opposite side of the strike location. See Figure 3.

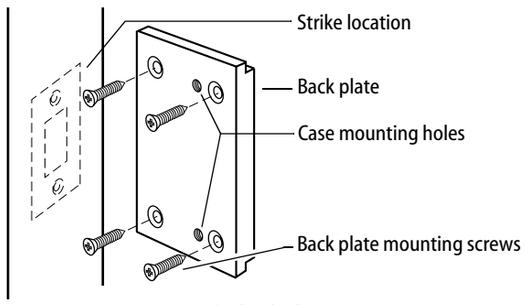

Figure 3 — Locating the back plate

For locks WITH outside rim cylinder

1 Determine the location of the cylinder hole using the T56149 template.
2 Determine whether the lock function rotation is 180 or 360 degrees and drill the cylinder hole.
3 Install the back plate with the backplate mounting screws. See Figure 4.
4 Install the cylinder with two clamp screws.

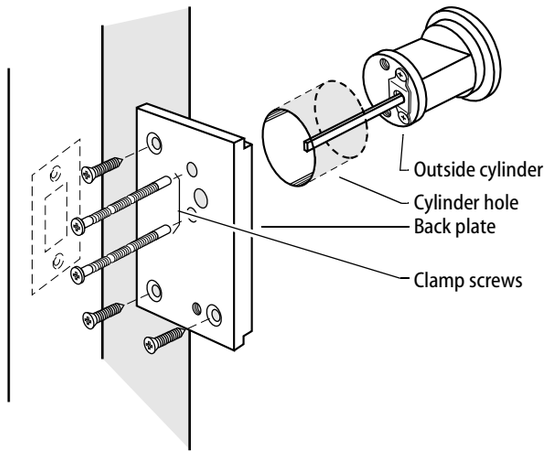

Figure 4 — Installing the outside cylinder

3 Install lock

1 If the bolt has been removed, re-mesh the bolt and pinion gears on the back of the lock housing. *When re-meshing the gears, make sure to align the punch marks on the bolt and the pinion gears.* See Figure 5.

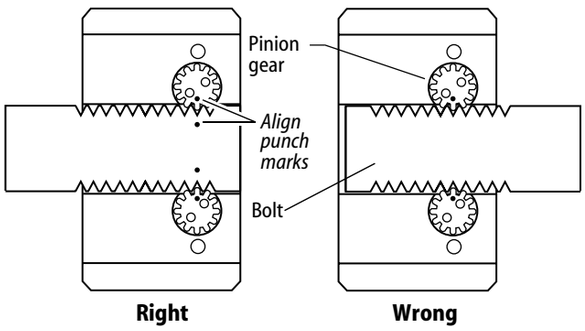

Figure 5 — Re-meshing the bolt and pinion gears

2 Slide the lock case into position onto the back plate. See Figure 6.

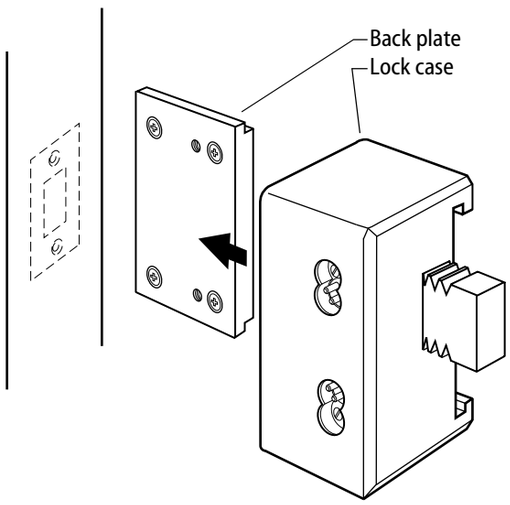

Figure 6 — Sliding the lock case onto the back plate

3 Secure the case to the back plate with the case mounting screws.

4 Install strike

1 Extend the bolt to the frame where the strike will be installed and mark where the bolt meets the frame.
2 Position the strike and mark the holes.
3 Drill the holes and mortise as needed.
4 Install the strike.

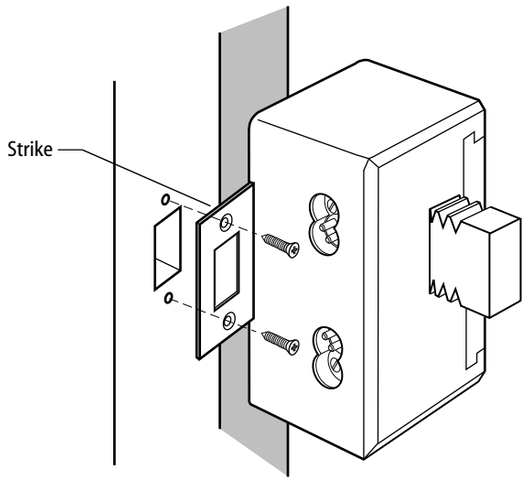

Figure 7 — Installing the strike

5 Install cores

The type of function you want will determine how you install the cores. See the function section above for a description of the three types of function.

For sequential function

1 Extend the bolt into the locked position.
2 Install the core which is to have the key retained (trapped) in the unlocked position.
3 Rotate the key 180 degrees to unlock/retract the bolt.
4 Install the second core.
5 Check to make sure that the sequential function works properly.

For key retained function

1 Determine whether you want the key(s) to be retained (trapped) with the bolt extended or retracted.
2 For the key(s) to be trapped when the bolt is retracted:
▲ Using a control key, install the core(s) with the bolt extended.

For the key(s) to be trapped when the bolt is extended:

▲ Using a control key, install the core(s) with the bolt retracted.
3 Rotate the installed cores 180 degrees.
4 Install the remaining core(s).
5 Check the lock for proper operation.

For interlock function

1 Determine whether you want the keys to be retained (trapped) with the bolt extended or retracted.
2 For keys to be trapped when the bolt is retracted:
▲ Using a control key, install the cores with the bolt extended.

For keys to be trapped when the bolt is extended:

▲ Using a control key, install the cores with the bolt retracted.
3 Check the lock for proper operation.