Locking Devices

Stanley Vidmar offers an array of locks for the maximum in storage security. One turn of a key and handle can secure every drawer in a series of up to ten cabinets or its use can be restricted only to drawers in a particular cabinet or to an individual drawer. This depends on the type of locking system used and other adjustments that can be made to the security system. In addition, locking systems can be teamed for multiple lock security and to provide various levels of individual access.

Stanley Vidmar Keys

Stanley Vidmar keys are nearly impossible to duplicate. The beveled straight line exterior edges are part of the key design. The key is manufactured and imported from Switzerland. It's router type exterior cannot be duplicated. All keys are stamped with the appropriate combination number. The A designation is the series number followed by a numerical A1 through A130. These keys are available and kept in stock for easy replacement and additional keys if needed by the customer.

SL10 LOCKS

The SL10 is the standard locking device for individual housings. When used along with the proper connecting lock linkages SL10’s can also be used as a group lock for standard or light-weight cabinets provided there are no more than three side-by-side cabinets in a group. When group locked all cabinets must be the same height. The SL10 can be either factory or field installed. A modified version of the SL10 is also required for light-weight housings. The light-weight SL10 can be either or factory or field installed.

SL10 Lock Components

The SL10 consists of a lock cylinder, toggle assembly, mounting support bracket, and cam-type lock rod that connects the cylinder to the toggle assembly. It is also provided with two keys and for field installation, two self tapping screws, for attaching the support bracket to the housing. The lock toggle support bracket in the rear of the housing is optional equipment for cabinets purchased prior to 1990. The toggle support
Locking Devices

Bracket in the rear of the cabinet is now incorporated into the lock rod support bracket. It is shipped out with every SL10 but may not be needed for all installations.

SL10 Installation

The cylinder is mounted to the right of the housing face. It is important to mount the cylinder in the proper position. In the open or unlocked position the key slot should be at 10 o’clock. The locked or closed position is at 2 o’clock. When the key is inserted into it and turned the action is transferred through the lock rod to the toggle assembly through the use of a cam. As the lock rod turns, the cam moves the toggle assembly which then unlocks or locks the drawers by turning the lock hinge that is installed at factory in every drawer housing. The lock hinge is then forced away from the rear lock tabs of each drawer, thus opening the cabinet giving full access to all drawers within the cabinet. Unless the lock is installed at the factory, the housing is shipped with the lock hinged fixed into the open position. This must be adjusted when the lock is installed unless you are changing out a lock that has been previously installed.

Cabinets shipped prior to April 1981 have an angled bracket affixed to the rear and attached to the lock rod support bracket. The angle bracket must be removed to free the lock hinge. In models manufactured after April 1981, there is a tab approximately one-third down from the top on the lock hinge. During assembly, this tab is bent back upon the hinge to hold it in the open position. By taking a small or light-weight hammer and by tapping on the outside of the lock hinge towards the right-hand side of the cabinet, the tab will be pushed forward, thus freeing the lock hinge. Because the lock hinge runs from top to bottom of the housing, every drawer is locked or unlocked at the same time. Individual drawers can be adapted so that they do not lock with the device. If they must be constantly available and/or do not have to be secured you may free the drawer from the locking device by simply breaking off the drawer runner tab in the rear of the drawer runner.

Lock Installation

TOOLS REQUIRED

A. Phillips Screwdriver

1. Prior to installing the SL-10 Lock, we recommend that you carefully read the instructions and familiarize yourself with the parts in Illustration #7.

   NOTE: When the instructions refer to left or right, clockwise, or counter-clockwise, they refer to direction as you face the front of the cabinet.

2. Remove enough drawers and carriages to give yourself 12-24 in. of working space in the top of the housing.

   NOTE: Prior to April 1981, if a cabinet was shipped from the factory without a lock, the hinge lock-out angle will be in the cabinet holding the lock hinge in the fixed open position (see illustration #1). After April 1981, if a cabinet was shipped from the factory without a lock, the lock tab on the right rear column will have been bent,
holding the lock hinge in a fixed open position (see Illustration 1A). If a cabinet has previously had a locking device installed, step #3 can be eliminated as the hinge lock-out angle will already have been removed or the lock tab will be in a position that will not interfere with the operation of the lock hinge.

3. Remove the hinge lock-out angle or bend the lock tab and make sure the lock hinge pivots freely.

4. On cabinets made before 6/1/90, slide the mounting support bracket over the tube of the toggle assembly. Position the toggle assembly over the hinge pin and fasten the mounting support bracket to the rod support that is welded to the right rear of the cabinet housing, using (2) #8 × 5/16 in. long self tapping screws. (See Illustration #2.)

5. On cabinets made after 6/1/90, slide the tube of the toggle assembly into the hole in the formed flange of the rod support and position the toggle assembly over the hinge pin.

6. Install the cam lock rod assembly by engaging the cam into the square hole in the toggle assembly. Push both lock rod assembly and toggle plate towards the back of the cabinet, guiding the round stud end into the hole on the rod support. Rotate the lock rod assembly to assure proper alignment and that the cam pivots the lock hinge. Rotate the lock rod assembly counterclockwise as far as it will go. The lock hinge is now in the locked position (see illustration #3).

**NOTE:** During the following portion of the installation, the cam lock rod assembly may disengage from the toggle assembly. Simply engage these parts again, as you did in step #6. This may happen several times until you become familiar with keeping pressure on the cam lock rod assembly while performing step #7.

**NOTE:** When the lock cylinder is in the up position, the key slot will be at the top of the lock cylinder, see Illustration #5. The lock cylinder is gravity operated and will not operate if it is installed upside down.
7. Place the key in the lock cylinder and rotate key clockwise. With the lock cylinder in the up position, align the slots in the rear of the lock cylinder with the tabs in the lock cylinder mounting bracket in the right front of the cabinet housing. (See Illustration #4 and #6.)

8. Engage the flat end of the cam lock rod assembly into the slot in the on the rear of the lock cylinder. Apply pressure to the lock cylinder, pushing toward the rear of the cabinet until the front of the lock cylinder is virtually flush with the front of the cabinet.

9. Using the key, rotate the lock cylinder clockwise until the brass spring tab in the rear of the lock cylinder secures the lock cylinder into position.

**NOTE:** Proper position of the lock cylinder is when the two tabs on the lock cylinder mounting bracket are engaged in the two slots of the lock cylinder and the small brass spring tab is holding the lock cylinder from turning.

**NOTE:** Test the SL-10 assembly for free movement and lock hinge performance. With the key in the lock cylinder, turn the cylinder counter-clockwise, the lock hinge is now in the locked position. Turn the cylinder clockwise and the lock hinge is now in the open position. Repeat this procedure several times, and check to make sure the lock hinge pivots freely.

10. Install the drawers and carriages previously removed.
SL-10 Lock Removal

TOOLS REQUIRED
A. Lock Pick, 1/16 in. Pinpunch, or similar item
B. Phillips Screwdriver

1. Remove enough drawers and carriages to give yourself 6-12 in. of working space in the top of the housing.

2. Place key in lock cylinder.

NOTE: Use caution when rotating the lock cylinder. If the lock cylinder is rotated too far past the point where the lock cylinder slots and the mounting bracket tabs line up, the lock cylinder may jam and could lead to damage to the lock cylinder or mounting bracket.

3. Using the lock pick, pinpunch, or similar item, depress the brass tab in the rear of the lock cylinder, (see Illustration #6), rotate the lock cylinder counter-clockwise until the two slots on the rear of the lock cylinder line up with the tabs on the lock cylinder mounting bracket, (see Illustration #4), and remove the lock cylinder from the cabinet housing.

4. Remove the cam lock rod assembly.
5. Remove the two self tapping screws holding the mounting support bracket, and remove the mounting support bracket and the toggle assembly or bend the lock tab on the lock hinge to prevent the lock hinge from pivoting freely.

6. If desired, replace the hinge lockout angle (see illustration #1).

7. Install the drawers and carriages previously removed.

**Dual Housing Locks**

In high security areas such as hospital or pharmacy, it is often desirable to have a dual locking system where two locks, requiring separate keys, are used in a single cabinet. For dual housing locking, the SL10D dual lock modification is used along with two standard SL10 locks. The design and operation for the left SL10 is identical to that of the right SL10 except that it is installed in the upper left-hand corner of the cabinet. The lock hinge for the left SL10 is located at the rear left corner of the cabinet.

The SL10D is a specialty modification whose prime purpose is to create dual housing locks. It should not be ordered simply because the customer prefers the lock cylinder on the left-hand side of the cabinet. The SL10D is not to be used in group locking applications. All left-hand locks must be factory installed. Dual locking devices may also be used when the customer desires to have access to only half of a cabinet. In some instances where a cabinet will be utilized by two separate shifts, it is possible to split the cabinet in half and have one half of the cabinet work off of the right-hand lock and the other half of the cabinet work off of the left-hand lock. This can be done by modifying the lock tabs on the rear of the drawer runner. It is also advisable to split the cabinet with a security panel so if the top part of the cabinet is open you cannot get to the drawers underneath the security panel.

**Non Removable Key Feature (NRKF)**

The non removable key feature is used when a customer does not want to remove the key when the cabinet lock is open. This reminds the user to lock the cabinet in order to get their key back. This feature inhibits the lock cylinder to be positioned completely in the open position. Keys cannot be removed from the lock unless the lock is completely in the open or closed position.