

**INSTALLATION PROCESS: New PSIN O910 A or B Customer Compartment Lock (USPS-L-1172C) with Adhesive-Backed Washer on Older Centralized Delivery Equipment**

**Kit Part Summary :**

- PSIN O910A (CW Rotation) or B (CCW) Lock
- Spring clip (included with lock)
- 5/16-24 Nut (included with lock)
- Adhesive-backed washer (included with lock)

**Parts from original lock to be saved for later reuse:**

- Cam
- Washer or backing plate (if applicable)

**Kit Description:** For *security* reasons, the new O910 lock has a new, unique mounting hole pattern. To work as intended in the old "Double D" mounting hole used in all older equipment, an adhesive-backed washer is *mandatory* for proper lock installation. In addition, the new O910 lock is much stronger than previous versions. The install of the new lock itself includes a new locking nut that provides much greater strength.

**Tools:** Screwdrivers (flat blade); vise grip, standard pliers and/or tongue-and-groove pliers; clean, dry paper or cloth towel; ratchet w/ ½ inch socket; nutdriver (½ inch) for NDCBU; Optional: 18" drive extender (for NDCBU installs)



**Caution:** Make sure you know which style lock is needed for particular vendor's equipment being worked on. While most units will allow either a CW (O910A) or CCW (O910B) rotating lock, some, like the last few year's production of American Locker CBUs (with the hooked cams), require a CCW rotation. (See the picture on the right in Step 8.)

**1. Open unit** to allow access to the backside of the door with the lock to be replaced. (NOTE: An Arrow Lock key is required to open unit.) For an NDCBU, use the nutdriver or ratchet with drive extender to access and loosen the nut on the lock to be replaced.

**2. Remove the existing lock.** Note the orientation of the original lock on the door. Remove the lock's cam and save for later reuse. Also, if the original lock used any type of plate or oversized washer on the back side of the door, save for later reuse also. If an American Locker (plastic) CBU, save the original spring clip for reuse. Lastly, note the direction that the spring clip is removed from.

**3. Clean off the mounting surface** for the new adhesive backed washer with a clean dry towel. (**Warning:** Without an attempt to wipe down the washer's mounting surface, the washer's structural adhesive will not perform as required.)



**4. Slide the adhesive backed washer** over the body of the lock so that the adhesive side is facing away from the backside of lock (the washer's removable liner is exposed).



**5. Peel off the liner** from the washer exposing the adhesive.



## INSTALLATION PROCESS: (Continued)

**6. Insert the lock and washer combination** from the front through the lock mounting hole on the door. Apply hand pressure for a few seconds to assist the bonding process.

Note: Try to align the lock and washer straight to the original "Double D" hole pattern to ensure that, when installed, the locked cam will be perpendicular to the side wall.



**7a. Slide the spring clip into place** through the grooves closest to the backside of the door. If needed, the pliers or the vise grip may be used to squeeze the clip into place. The lock should be tight to the door. (Note: Make sure you install the clip in the same direction it was originally installed. Also, if an AmLkr CBU, reuse the original clip.) If it is too difficult to install the clip, go to 7b.



**7b. Shim spacing is needed if** the spring clip installed easily but is not securing the lock to the door adequately or if the spring clip is too tight to squeeze into place. In this case, use additional washers on the backside of the door to fill the gap so that the spring clip can secure the lock to the door using the back set of grooves.



**8. Loosely remount the old lock's cam on the new lock.** Hand start the new nut provided with the new lock on the exposed threads. The nut may only allow a partial turn on the threads by hand. **Warning:** Make sure to only use the new nut provided with the new lock. It has a different thread than the old nut.



**9. Tighten down the nut** until the cam is completely seated. Note: It is strongly recommended that while applying torque to the nut that the cam be prevented from rotating. This can be done by either holding the cam approximately as shown or, for some flat doors, clamping a vise grip to the door directly below the cam to prevent excessive internal loads on the lock components. Note: The lock's key can be installed while the nut is being tightened but it is not recommended.



**10. Check operation of the new lock** before closing the door. If the key inserts and the plug turns without difficulty, repeat the process with door closed. If this is acceptable, then close the door and remove the key.



**11. Installation process is now completed.**

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O910-1172C

SHEET 2