

Servicing Instructions for the PL951 High Security Padlock

Disassembly

1. Insert the "Control Key" (rectangular shaped head) and rotate it ¼ turn counterclockwise.
2. Lift the Shackle and rotate it a ½ turn.
3. Slide the Upper Case and Lower Case sections apart, as shown in Figure 1. Set the Upper Case aside.
4. Rotate the Control Key back to the locked position and remove it.
5. Covering the top of the Lower Case, turn it upside down to remove the Cylinder, Key Cover Plate, Actuator, and the heel side Ball Bearing.

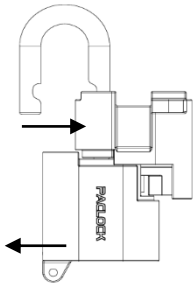


Figure 1

LUBRICATE
THESE AREAS

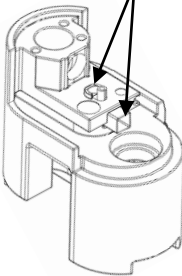


Figure 2

Cleaning and Lubrication

1. Clean all surfaces of the Upper Case, Lower Case, and all other components with mineral spirits or a comparable cleaning solvent.

WARNING: USE CLEANING SOLVENTS ONLY IN A WELL-VENTILATED AREA.

2. Prior to reassembly, the Upper Case assembly must be lubricated using a lubricant conforming to Department of Defense MIL-G21164. See Figure 2 for lubrication points.

Assembly

1. Place the Cover Plate over the end of the Cylinder. Align the flat of the Cover Plate to the flat of the Cylinder, as shown in Figure 3.

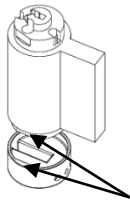


Figure 3

ALIGN THE FLAT OF THE
COVER PLATE WITH THE
FLAT OF THE CYLINDER

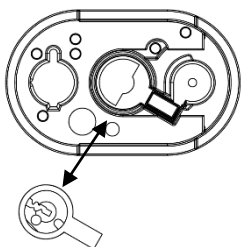
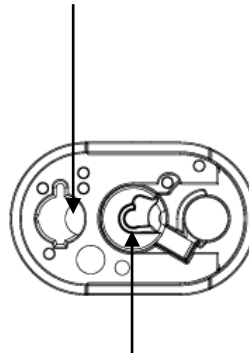


Figure 4

With the Lower Case held upside down, align the Cylinder with the Cylinder opening in the case and insert the Cover Plate and Cylinder into the Lower Case, as shown in Figure 4.

EDGE OF BALL BEARING
CAN BE SEEN THROUGH
SHACKLE HOLE WHEN
PROPERLY INSTALLED.



GROOVE OF ACTUATOR
MUST BE IN THIS POSITION
WHEN CONTROL KEY IS
ROTATED FOR ASSEMBLY

Figure 5

3. Turn the Lower Case right side up and apply downward pressure on the Cylinder as you insert the Control Key and rotate it ¼ turn counterclockwise. Keep the key in the lock for now.
4. Install the Ball Bearing removed in disassembly step 5 by passing the Ball Bearing over the top of the Cylinder to place it in the circular opening between the Cylinder cavity and the Shackle cavity.
5. Place the Actuator on top of the Cylinder. Make sure the Actuator is aligned as shown in Figure 5 after installation.
6. Slide the Upper Case assembly back on to the Lower Case (see Figure 1).
7. Rotate the Shackle so that it can be inserted into the shackle hole. Once the Shackle is closed, turn the key ¼ turn clockwise and remove the key.

Operations Check

Note: It is recommended that the lock be operated several times to ensure it is working properly.

1. Insert the "Operator Key" (circular shaped head) and rotate it ¼ turn clockwise.
2. Lift the Shackle and rotate it ½ turn.
3. Insure the Upper and Lower Cases will not slide apart from one another.