Swingliner Care Sheet

This machine was designed for lining, stippling, whip shading, and color packing with the use of **cartridges**. It will work with standard needles at lower voltages, but may take some experimentation with nipples and band tension to make it work best with them.

Please watch the setup video on my site **dankubin.com**

Please keep sterilants away from the binding posts, and all moving parts. **Sterilants are corrosive and will ruin your machine if used carelessly.**

Do not oil the machine. All the bearings are grease lubricated and oil will work against the grease, turning the lubrication into sludge.

Do not attempt to disassemble the machine. The motor can be easily damaged if not handled properly.

If any issues arise, please fill out a **repair form on my site**. I recommend contacting me before selling a damaged machine on @tattoogearforsale.

I send plastic shoulder washers (nipples/grommets) with the machine. These serve as a bearing for the needle loop, as rubber grommets will get torn up quickly using this machine at high speeds. They will last a long time so **please don't throw away!**
With standard needles, you may find that my hard black nipples or another stiff rubber nipple works better, but may get shredded if running fast. -you can also put some petroleum free ointment in and around the grommet to act as a lubricant.

Some cartridge needle bars have a smaller than average loop. If the loop doesn't go on to the plastic nipple easily, it may bind up with the angular movement of the swing arm. If so, open up the loop with pliers or a taper pin.

The position of the clipcord will effect the hit of the machine. It is opposite of the Swinger, as the positive up will spin **cloclwise, creating a sharp hit**. putting the positive down will spin the motor **counterclockwise, giving a slightly passive hit.** I recommend playing with these polarities at different voltages and needle groupings to see which way works best for each technique or skin.

Average voltage range is 4.5-6.5 volts.

For any questions, please contact me through the website **dankubin.com**

Thanks and enjoy!
-Dan Kubin