

# Sidewinder V4 Care Sheet

Please watch the V4 tuning video on my site. It explains a lot.

DO NOT USE OIL ON THIS MACHINE! The bearings are grease lubricated, and the oil will have an adverse reaction with them.

KEEP STERILANTS AWAY FROM ALL MOVING PARTS!! I cannot stress this enough. Sterilants are very corrosive, and will deteriorate the electrical contacts as well as the bearings.

Use a good firm nipple. I have had my own custom nipples made that are made from a very hard abrasion resistant rubber. They can be purchased through Saltwater Supply in the US, or East Street in Europe. Goodguy Supply also sells some pink nipples that hold up well. I have found that pinching the needle loop onto the sides of the nipple post helps with spitting and nipple shredding as well.

Upon using the machine, you may need to adjust the stroke knob on the rear of the frame. It's the easiest adjustment to get the hit where you want it, for the speed you want to run it at.

turning it in (**clockwise**) will make it hit **harder**.

**Counterclockwise** will shorten the stroke, and make it hit **softer**.

After a while, the impact screw on the a-bar will wear into the frame, and will need to be turned in. This is a fine tuning adjustment, and 1/8 turn will do a world of difference.

In most cases, the armature bar should sit parallel to the frame when in the down position.

If the machine seems to have lost some hit/power, it's probably because the impact screw has settled in, and needs to be turned in slightly.

Direction of the clipcord will effect the hit of the machine.

Clockwise (positive up) will hit punchier,

Counterclockwise (positive down) will be a tad more passive.

For clarification, please email at [dankubinrotary@gmail.com](mailto:dankubinrotary@gmail.com)

Thank you, and enjoy! -Dan