

Sidewinder V323 Care Sheet

Please watch the V3R tuning video on the Workhorse Irons site. It explains a lot.

DO NOT USE OIL ON THE BEARINGS! The bearings are grease lubricated, and the oil will have adverse reaction with them. KEEP STERILANTS AWAY FROM ALL MOVING PARTS!! Sterilants are very corrosive, and will deteriorate the electrical contacts as well as the bearings. Light amount of barbacide/alcohol is fine.

Needle Setup:

Use a good firm nipple/grommet. I recommend my good black nipples (available through my site and Workhorse Irons).

Bend the needle bar loop back slightly so that it is perpendicular to the armature bar in the "up" position. This will keep the needle from wanting to "kick out" on the retract. (This is the main cause of spitting)

Put a bend at the tips of the needles so that it "licks" the tip of the tube.

Use two-three #12 bands, or one thick band around the vice and motor. Do not put the rubber band around the back end of the machine as it will come into contact with the cam.

Tuning / Stroke Adjustment:

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**.

There are notches on the stroke knob. The short notch is the shortest and softest. The long notch is the longest and hardest hitting. The middle notch setting is the medium between the two. In most cases, that will be the ideal setting and most machines will come tuned on the middle setting.

Stroke should be between 3 to 3.5mm. Average volts are between 5.5 and 6.5.

After a while, the impact screw on the a-bar will settle into the steel plate in the frame, and may 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.

There are timing marks on the cam and frame. Push the a-bar down and roll the cam clockwise till it touches the flat spring. Turning the impact screw clockwise will raise the a-bar, and move the line on the cam up.

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.

Clipcord:

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

On Clipcord only version: Clockwise (positive up) will hit punchier and is recommended. Counterclockwise (positive down) will be a tad more passive.

***RCA version is wired for the harder hit mode only using RCA connection. If using a clip cord on this version, they are wired opposite of the standard clip cord version, use Positive side DOWN for hard hit, Positive up for a more muted hit.**

Email: info@workhorseirons.com for further questions. Thanks!