Pioneer DC Plus
Stringing Machine

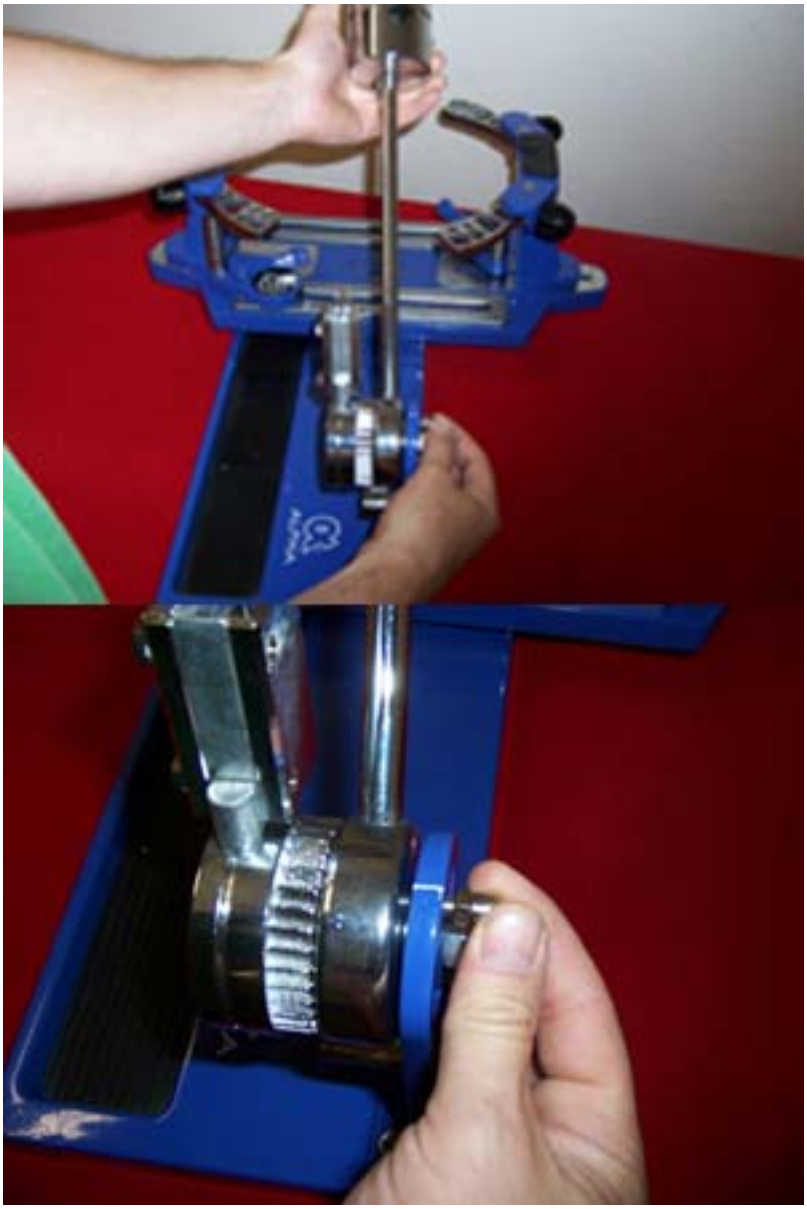
Assembly and Operation Manual

FEATURES:

- Drop-weight tensioning system
- Six-point frame mounting
- Spring-action locking levers
- Ratchet with string gripper
- DDS clamps
- 5-year warranty

ASSEMBLY INSTRUCTIONS:

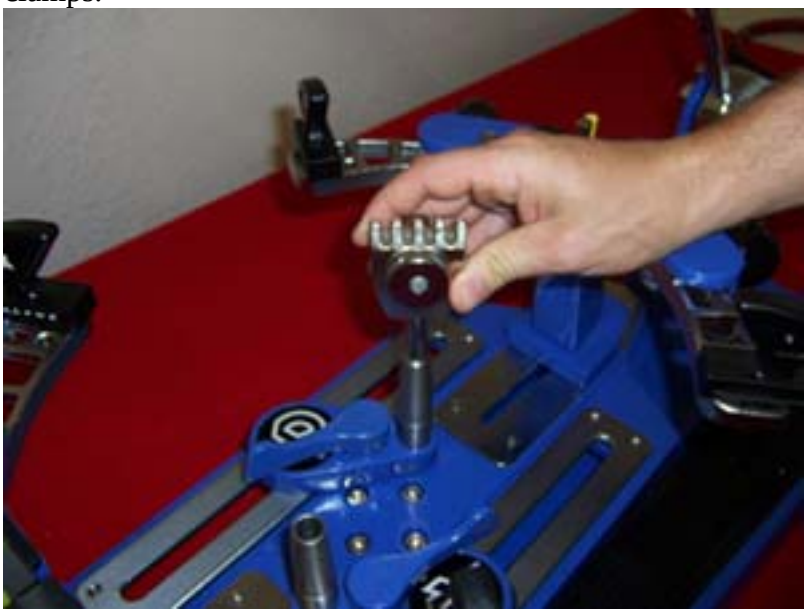
Step 1: Remove the machine from the box. Snip the cable-tie that is securing the tension bar. Loosen the top screw (show below) and lift bar up. Retighten screw to prevent tension bar from hitting the racquet during stringing.



Step 2: Loosen the 12 and 6 o'clock adaptors and flip into upright position. Retighten the black knobs.

Step 3: Insert the 4 outer angled supports.

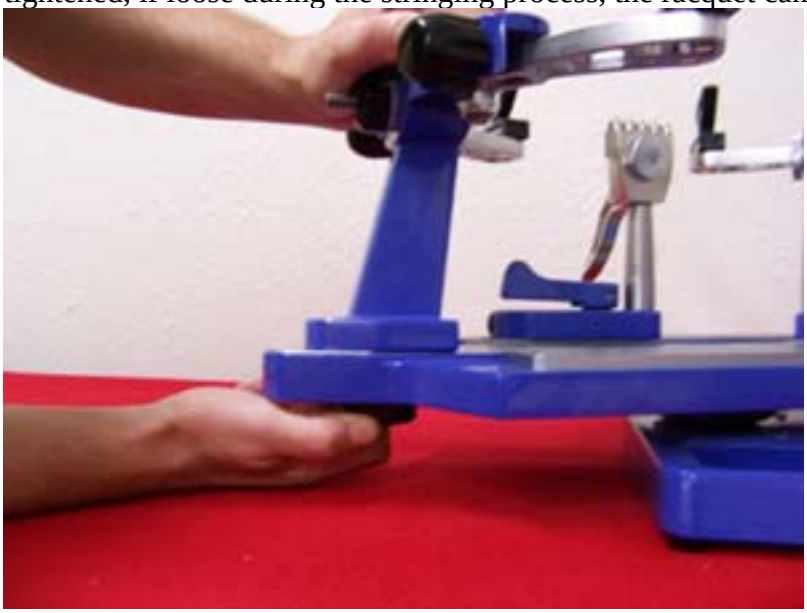
Step 4: Insert the DDS string clamp into the hosel of the clamp base, do this for both clamps.



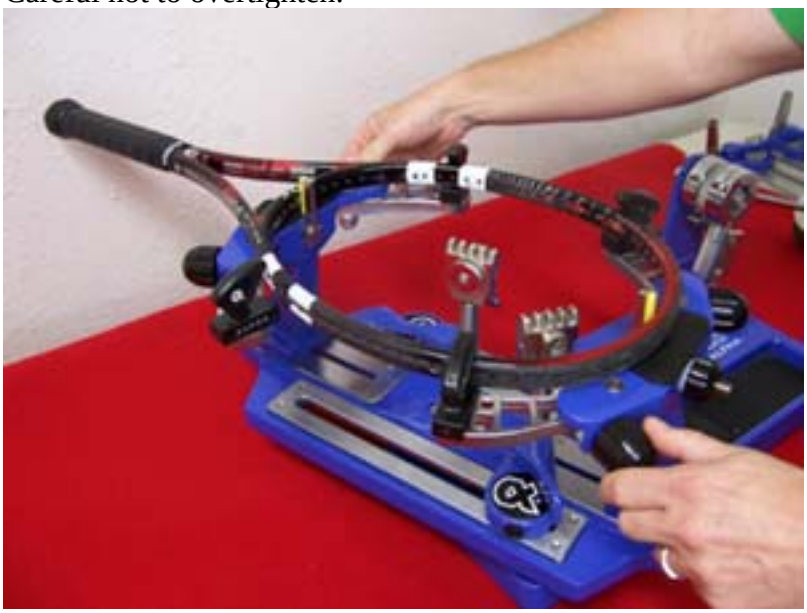
Step 5: Machine should appear like this when fully assembled.

MOUNTING THE FRAME:

Step 1: To accommodate the length of the racquet, loosen the black knob underneath the mounting table and retighten. CAUTION: It's important that both adjustments are tightened, if loose during the stringing process, the racquet can sustain stress damage.



Step 2: Make sure the head (12 o'clock) and throat (6 o'clock) frame posts are positioned in between the two center-most grommets, and then adjust the black knobs until the posts are appropriately holding the frame. Make sure all 6 points are contacting the frame. Careful not to overtighten.



SETTING THE TENSION:
Step 1: Note that there are two tension scales on the tension bar (denoted in poiunds). The scales refer to the different weight options that can be used.

Step 2: The tension weight on this machine consists of two pieces that are attached by an allen bolt. Both pieces are most often used in stringing tensions suitable for tennis racquets. The higher scale is used when both pieces of the weight are used. The weight can be dismantled using a 5mm allen wrench in the instance you wish to string at lower tensions, such as badminton, racquetball, or squash racquets.

Step 3: Loosen the tension weight knob to slide the weight. (Don't position knob on top of the tension scale so the numbers do not become scratched.) With the tension bard in the horizontal position; slide the weight until the left edge of the weight is on the corresponding mark of the pounds you wish to string at. NOTE: In some instances of higher tensions, you may need to remove the rubber end cap to position the tension weight.

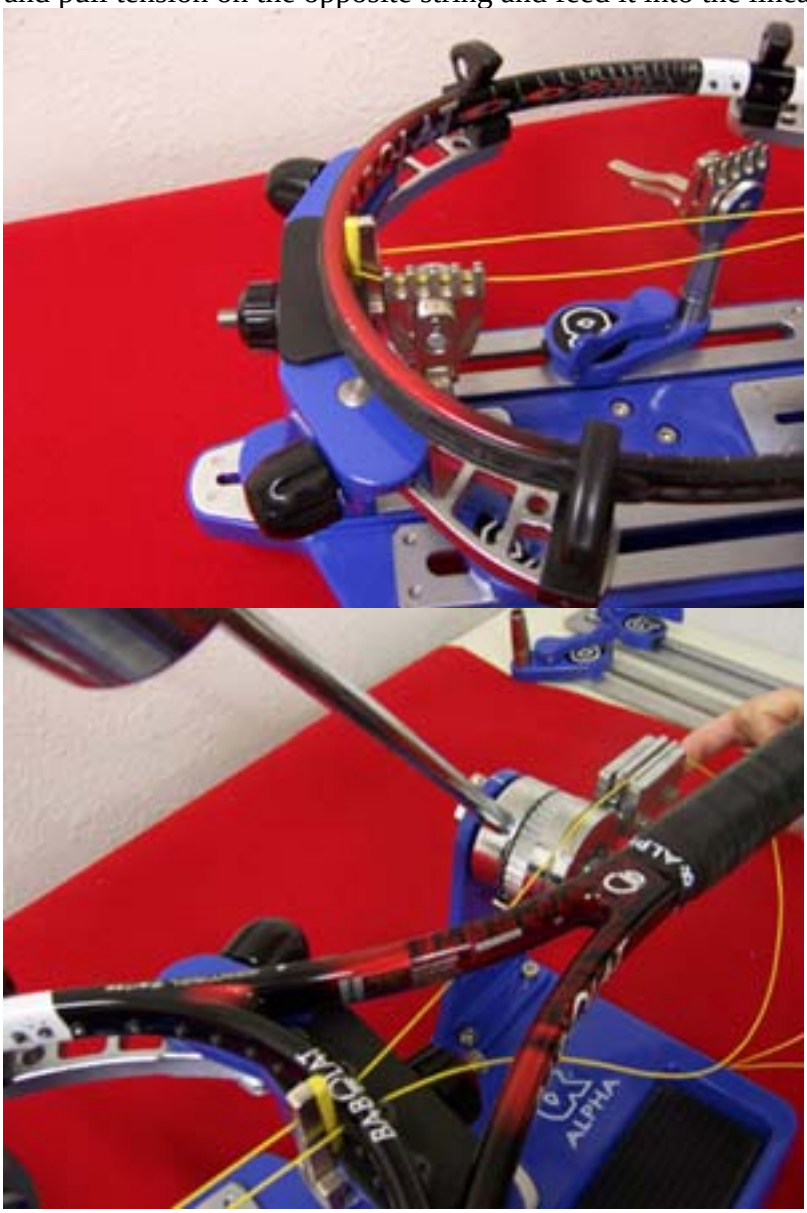
STRINGING THE FRAME:

Step 1: To determine which end of the racquet to begin threading through, count the number of holes in the open throat area. For 4 or 8 holes, start at the tip of the frame. For 2, 6, or 10 holes, start at the throat.

Step 2: Determine whether the frame you are strnging requires a one or two-piece stringing job. If it requires two pieces, cut the string according to frame specifications. Now begin threading the string at the end determined in Step 1. For a one-piece string job, be sure to leave a long side and a short side of the string.

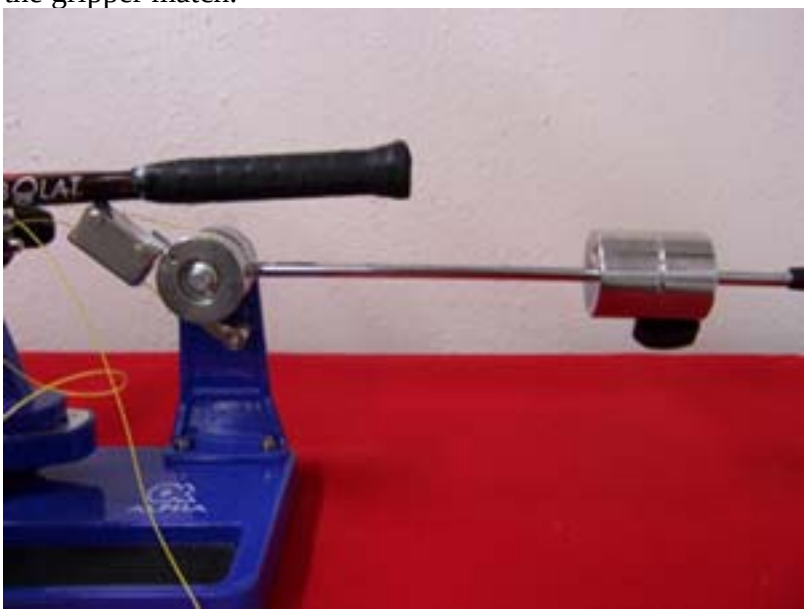
Step 3: Once the two center mains strings are threaded, place one swivel clamp on one of the strings as close to the frame as possible. To use the swivel clamp, first move it to the

area you want to clamp and lcok the base of the clamp by moving the lever to the left. Then position the clamp on the string by raising the clamp and open the lever. Position the teeth of the clamp so that the string is halfway down into the teeth. Close the lever to hold the string. NOTE: For the first pull, you will have to temporarily hold the clamp up and pull tension on the opposite string and feed it into the linear gripper.



Step 4: Run the string under the beam of the racquet as picture above. *Before each pull rotate the gripper so that it is in the 1 o'clock position as shown below.*

Step 5: Bring the tension bar down slowly, as the tension bar lowers, it will pull tension on the string. If the tension bar falls below the horizontal (3 o'clock) position, then raise the tension bar and lower again. When raising the bar hold the gripper still and then gently lower. Do so until the bar is in an horizontal position and the hash marks on top of the gripper match.



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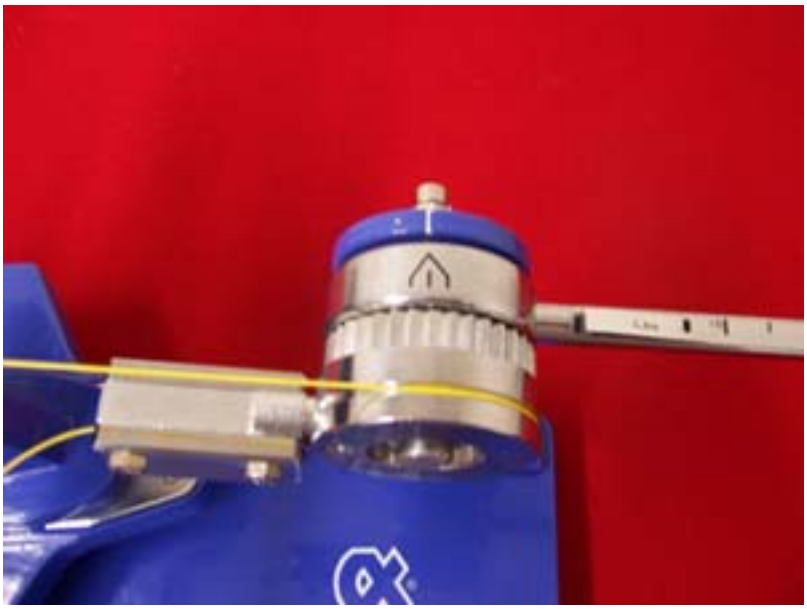
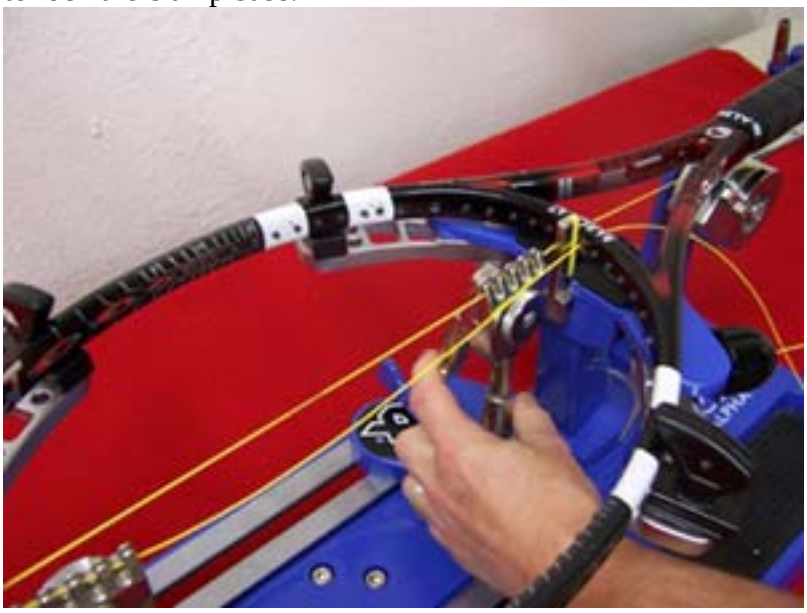
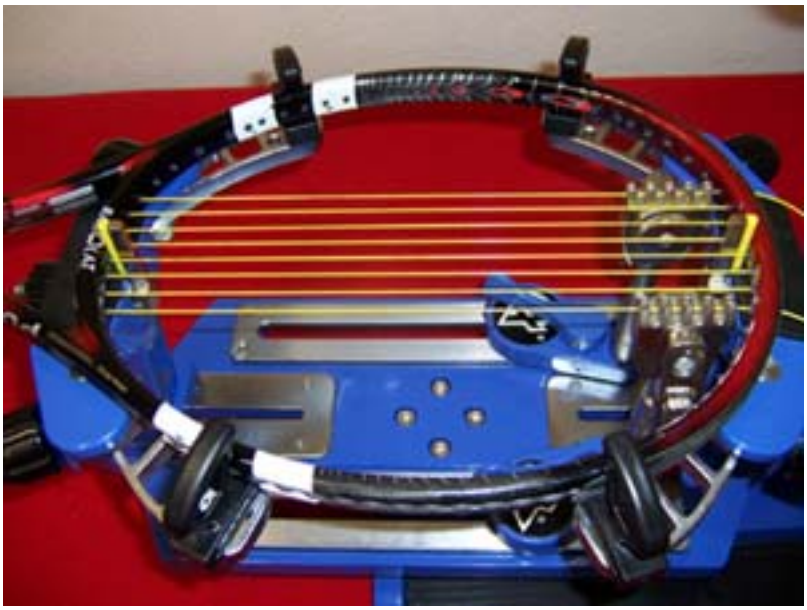


Step 6: Once tension has been achieved. Make the proper clamping adjustment. Be sure to lock the clamp base.

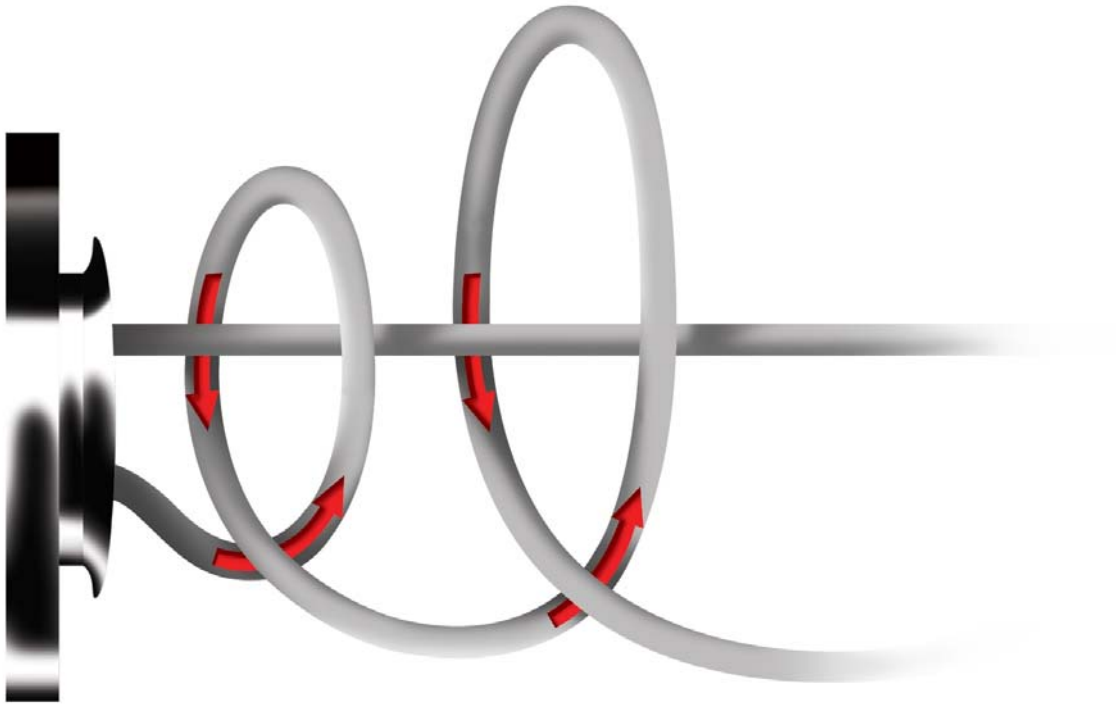


Step 7: Pull each string individually and make sure to alternate the pulling of each main. Example: Pull left main, pull right main, pull left main, etc. DO NOT pull all the mains on one side of the frame because this can cause structural damage.

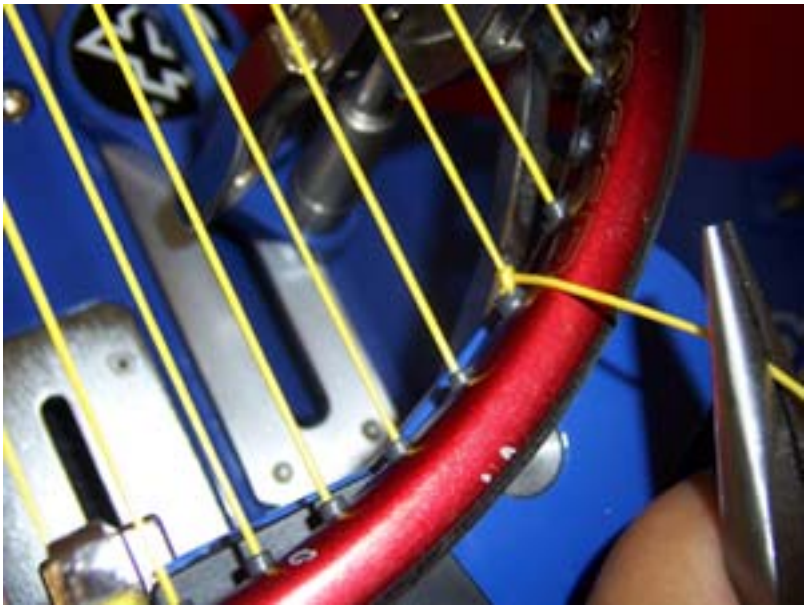


Step 8: When done pulling the mains prepare to tie off if using a two piece, or tie off the short side.

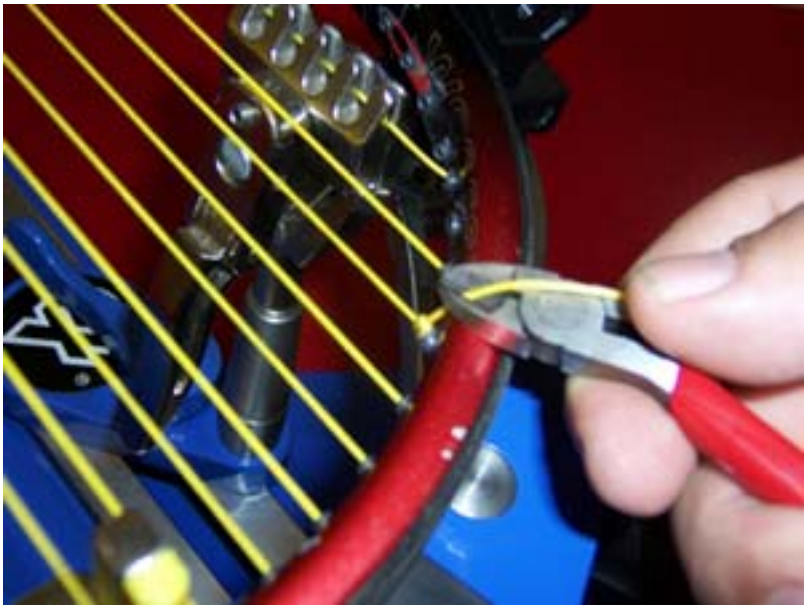
Step 9: Below is an illustration of a double-half hitch used for tie-offs.



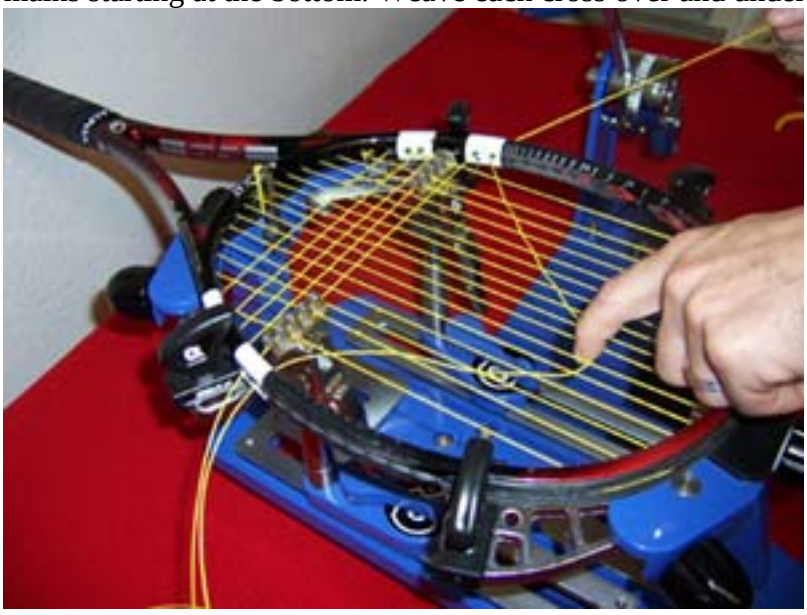
Use your needle-nose pliers to pull the knot tight. Pull side-to-side.



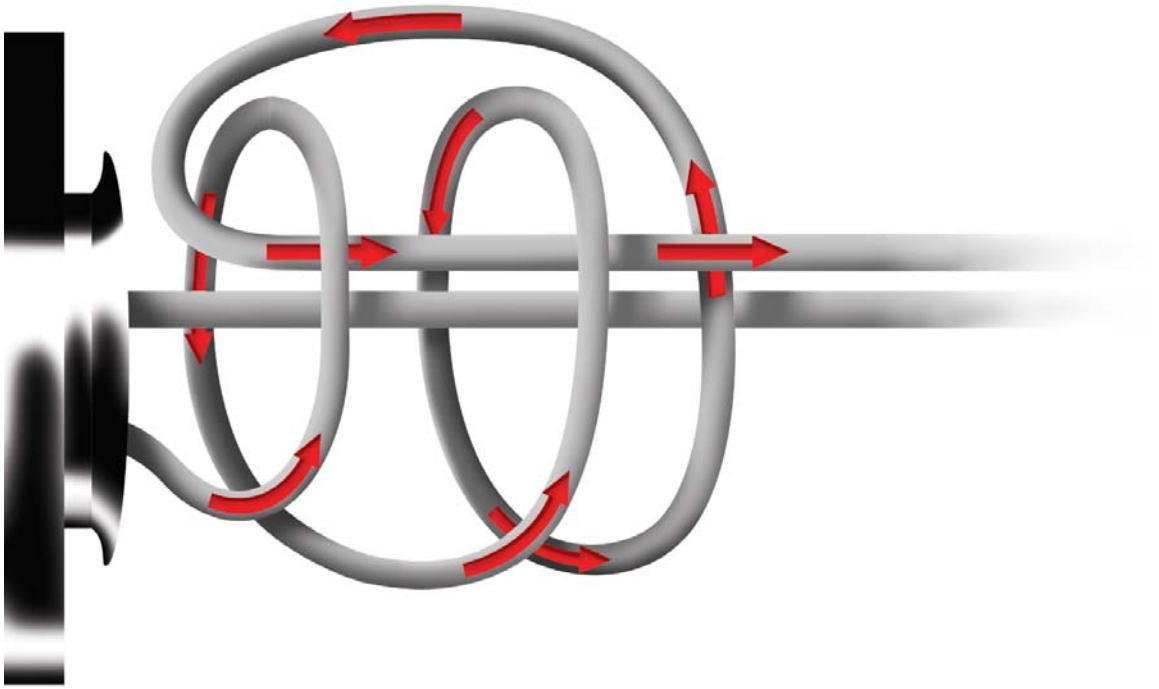
Step 10: Trim the tie-off tail as shown below.



Step 11:
Start weaving the crosses by starting at either at the top or the bottom, depending on the racquet's directions. The racquet shown below is using a two-piece string job with the mains starting at the bottom. Weave each cross over and under of each main.



Step 12: Below is an illustration of a “fishing” knot that can be used for a starting knot.



Step 13: Continue stringing the crosses making sure that you run the crosses up and down across the mains as shown in Step 11. This will eliminate premature notching of the mains. Clamp each cross as close to the frame as possible.

Step 14: When you complete the crosses, tie off at the appropriate tie off hole using the double half hitch.

Step 15: To remove the racquet, loosen each mounting arm adjustment knob and remove the racquet.

MACHINE MAINTENANCE:

Step 1: If the clamp base starts to slip, remove the plug as shown below.

Step 2: Align the clamp base so that both service ports are aligned.

Step 3: Insert the 4mm allen key into the internal adjustment screw. Turn clockwise to tighten, the clamp base lever should be positioned at the 6 or 7 o'clock position for best results. Reinstall plug.

STRING CLAMP ADJUSTMENT

Step 1: If the string begins to slip through the clamp, tighten the tension disc clockwise.