

GAMMA

PRO 100

STRINGING MACHINE



OWNER'S MANUAL

Issue 3 - September 22, 1998

PRO 100 OWNER'S MANUAL

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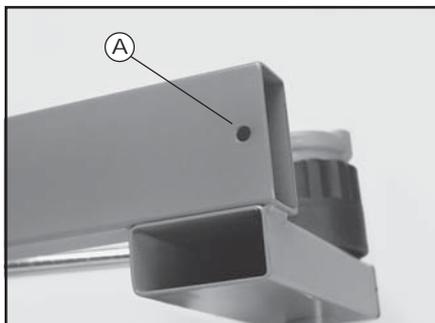
LIMITED WARRANTY

GAMMA SPORTS ("GAMMA") warrants to the original purchaser that the GAMMA PROGRESSION stringing machine ("EQUIPMENT") purchased is free from defects in materials and workmanship for a period of five (5) years from the date of original purchase for mechanical parts (excluding electrical parts and string clamps), and for a period of one (1) year from the date of purchase for all electrical parts and string clamps. Should any defects develop under normal use within the specified time periods, GAMMA will at its option, repair or replace the defective EQUIPMENT provided it is returned to GAMMA prepaid at the purchaser's expense. This warranty does not apply to any damage or defect caused by negligence, abuse, misuse, unauthorized alteration, shipping, handling, or part wear and tear as a result of normal use.

GAMMA's obligation under this warranty is limited to repair or replacement of defective EQUIPMENT, and no one is authorized to promise any other liability. GAMMA shall in no event be liable for any incidental or consequential damages.

To return defective EQUIPMENT, a return authorization (RA#) must be obtained from a GAMMA customer service representative by calling 1-800-333-0337. The RA# must be marked on the outside of the shipping carton being returned. All returns must be shipped prepaid by the customer to GAMMA. Please retain the original shipping carton and packing materials for any future shipments. GAMMA will not be responsible for machines which are not sent in the original undamaged packaging.

ASSEMBLY INSTRUCTIONS



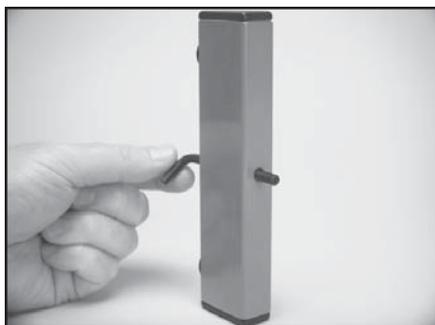
Installing the Base Legs

The PRO 100 is shipped with the legs separate from the base and requires assembly before use.

Hole (A) in the machine base is the attaching point for the base leg.



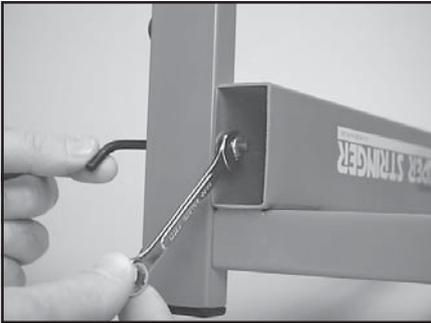
Place one screw onto the end of the 4mm hex wrench. Carefully insert the screw through the large hole in the bottom of the leg and continue through the small hole at the top of the leg.



While holding the leg, screw and wrench as one unit, place the exposed end of the screw through hole (A) in the machine base.

Place one washer over the exposed screw end inside of the machine base. Thread one locking nut onto the screw end.

ASSEMBLY INSTRUCTIONS



Installing the Base Legs (cont.)

Using the included 10mm box wrench, securely tighten the locking nut.

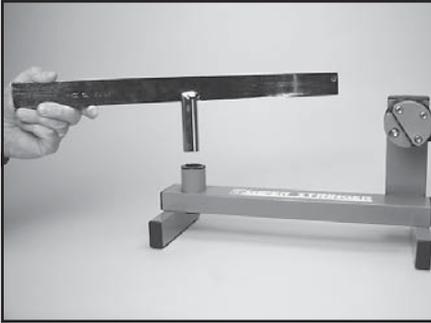


The completed leg / base assembly.



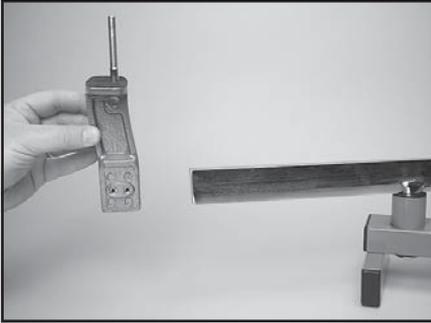
Replace the base endcap making sure the notched side of the endcap is aligned with the leg attachment screw.

ASSEMBLY INSTRUCTIONS



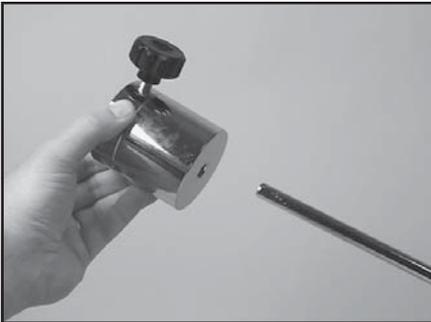
Installing the Turntable

Insert the turntable center post into the bushing assembly of the machine base.



Installing the Support posts

Slide each support post onto the end of the turntable bar. The posts should be oriented so as to angle away from the turntable center post.



Installing the Drop Weight

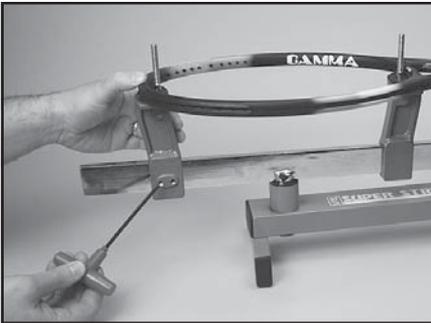
Remove the endcap from the tension bar and slide the drop weight onto the bar. The weight should be oriented with the knob end closest to the string winder. Replace the endcap.

MOUNTING THE RACQUET



Installing the Racquet Support Adapters

The PRO 100 is supplied with two styles of Racquet Support Adapters. A thick profile adapter for widebody racquets and a thin profile adapter for conventional racquet frames. The Adapters are also tapered, use the highest side of the adapter that does not interfere with the string grommet holes.



Adjusting the Frame Support Posts

Place the racquet frame over the center posts and onto the frame support posts. Loosen the locking screws on one support post and slide the post in the appropriate direction until the plastic adapter contacts the frame. Securely tighten the locking screws. Adjust the opposite post in the same manner.

It is extremely important both plastic adapters are in contact with the frame to prevent racquet damage.



Securing the Racquet

With the frame support posts properly adjusted, place the frame hold down plates over the center screws and tighten the clamp bar knobs securely. Do not overtighten the knobs as frame damage may occur.

Note: Inverted throat racquet frames may require the throat clamp plate to be rotated 180 degrees to match the frame.

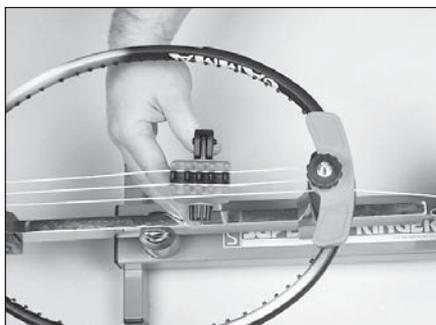
STRINGING THE FRAME



Starting the Main Strings

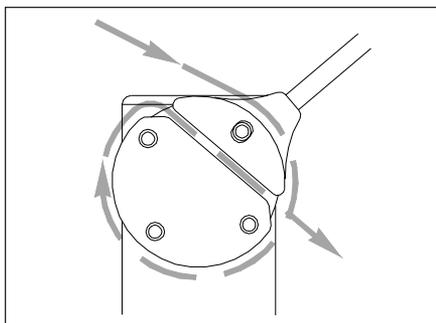
To begin stringing the main strings, count the number of holes at the throat of the frame, which will determine the starting point. For racquets with 4 or 8 holes at the throat, the main strings will begin at the head. For racquets with 2 or 6 holes at the throat, the main strings will begin at the throat.

Thread the two ends of the string through the two center grommet holes at the head or throat as determined in the previous step. Route the strings through the opposite center holes.



Clamping the First Main String

Thread one end of the string through the adjacent grommet hole and pull excess by hand. Clamp both the center and the adjacent string to each other on the inside of the frame.



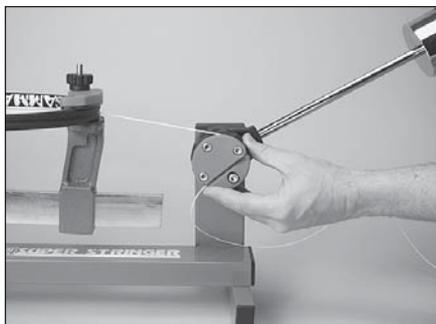
Pulling Tension

While holding the tension bar slightly above horizontal, wrap the free string clockwise around the gripper drum once and position between the gripper jaw.

Gently turn the gripper clockwise while squeezing the jaws together until all slack in the string is removed.

Note: For proper operation, the string gripper jaw must be in the position shown. The tension in the string provides the clamping force to the jaws.

STRINGING THE FRAME

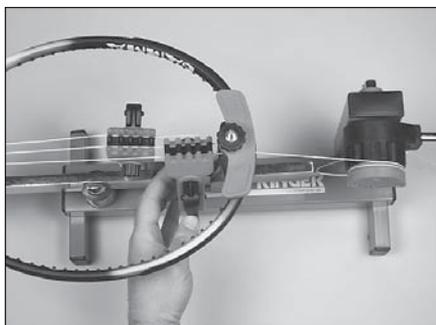


Pulling Tension

While holding the string gripper drum with your hand, lift the tension bar to approx. 45 degree angle and let fall. If the tension bar drops below horizontal, repeat the above action until the bar comes to rest parallel to the racquet. The set tension will be reached when the bar rests horizontal.

If the bar comes to rest above horizontal, release the string and re-pull tension.

Manually forcing the bar into the horizontal position will greatly increase string tension and may result in racquet damage.

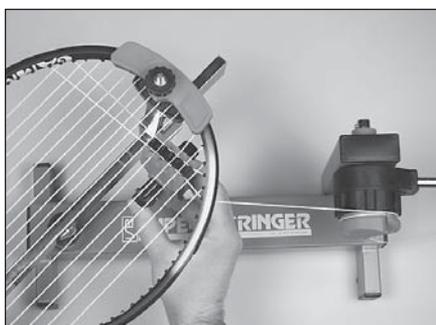


Clamping the String

Clamp the tensioned string to the next adjacent string using the second string clamp.

Release the tensioned string by raising the tension arm.

Repeat the procedure for all of the remaining main strings and tie off following the racquet manufacturers recommendations.



Starting the Cross Strings

Follow the manufacturer's recommended stringing pattern for one or two piece stringing. This will determine the starting point for the cross strings. Weave the first two cross strings and pull tension as per Step 3. Clamp the cross strings as per Step 4.

STRINGING THE FRAME



Finishing the String Job

Weave and tension the remaining cross strings and tie off at the specified grommet hole.

Remove the strung racquet from the Super Stringer in the reverse order of mounting.

PARTSLIST

| PART # | DESCRIPTION | PART # | DESCRIPTION |
|---------------|-----------------------|---------------|------------------------|
| 4 | TURTABLE BUSHING | 78 | CLAMP PLATE |
| 24 | KNOB | 79 | CLAMP PLATE PAD |
| 25A | SET SCREW | 82 | FRM SUPP ADPTR - SHORT |
| 26 | TENSION BAR CAP | 82A | FRM SUPP ADPTR - TALL |
| 27 | DROP WEIGHT KNOB | 83 | BASE |
| 28 | FRONT WEIGHT | 84 | LEG |
| 29 | BACK WEIGHT | 85 | LEG CAP |
| 30A | SET SCREW | 86A | WINDER STAND ENDCAP |
| 31 | STRING GRIPPER DRUM | 87 | RUBBER FEET |
| 32B | UPPER GRIPPER JAW | 88 | CAP SCREW |
| 33B | LOWER GRIPPER JAW | 89 | WASHER |
| 34 | RATCHET TEETH | 92 | TURNTABLE |
| 36 | GRIPPER JAW SPRING | 93 | SUPPORT POST |
| 37 | CAP SCREW | 94 | SUPPORT PIN |
| 42 | FLOATING CLAMP ASMBLY | 95 | SUPPORT POST PAD |
| 43 | LEVER JAW | 161 | WINDER BEARING |
| 44 | INNER JAW | 162 | GRIPPER PIVOT PIN - BS |
| 45 | KNOB JAW | 163 | PIVOT PIN RET. COLLAR |
| 46 | LEVER | | |
| 47 | KNOB | | (NOT SHOWN) |
| 48 | SWING BOLT | 69 | HEX WRENCH / 3MM |
| 49 | RETURN SPRING | 70 | T - HEX WRENCH / 5MM |
| 50 | PIVOT PIN | 72 | PATHFINDER AWL |
| 51 | RETAINING RING | 73 | STRINGERS AWL |
| | | 98 | BOX WRENCH / 10MM |

EXPLODED PART VIEW

