

prince[®]

3000 ELECTRONIC STRINGING MACHINE OWNER'S MANUAL



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COMPONENTS

The Prince 3000 Stringing Machine has 5 major components:

- A) Legs
- B) Column
- C) Platform including tool tray
- D) Turntable including 2 frame mounts and 2 string clamps
- E) Electronic tension head

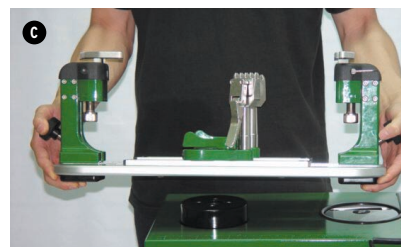
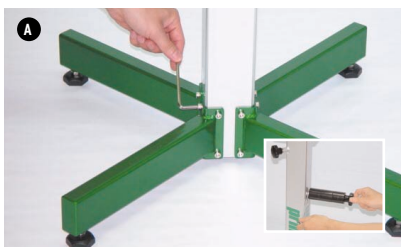
Other components include:

- F) Cap screws 6mm x 12mm (16 each)
- G) Cap screws 8mm x 12mm (4 each)
- H) Cap screws 8mm x 20mm (4 each)
- I) Cap screws 8mm x 25mm (4 each)
- J) Allen wrenches (1 large, 1 medium, 1 small)
- K) T shaped Allen wrench
- L) Open ended wrench
- M) Reel holder
- N) Locking knob
- O) Base foot pads (4)
- P) Foot pedal
- Q) Power supply cord
- R) Tool kit



Remove all parts from the shipping container carefully.
Save the container and packing for future storage
or shipment.

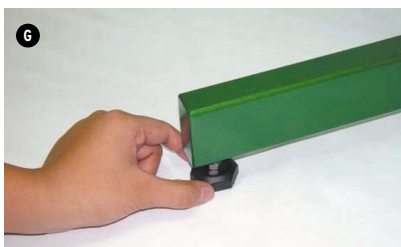
ASSEMBLY INSTRUCTIONS



- A) Attach legs (a) to column (b) with 16 cap screws (f) using the enclosed medium sized Allen wrench. Attach the base foot pads (o) on to legs(a). Install reel holder (m) and secure with open ended wrench (l). Install locking knob (n). Do not tighten the locking knob. (inset photo)
- B) Position platform (c) over column (b) and secure with cap screws (g) from below using the large sized Allen wrench.
- C) Position the turntable (d) over the wheel on platform (c) and secure with cap screws (i) from above using the large sized Allen wrench. Insert the string clamps into the clamp posts on the turntable.

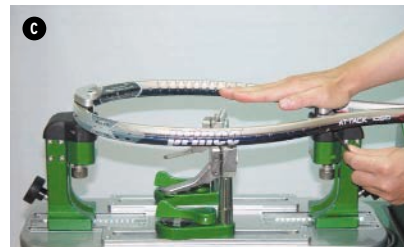
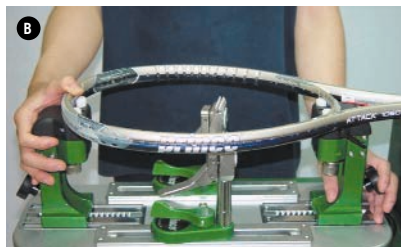


- D) Position the electronic tension head (e) in the platform (c) recess area. Plug in the AUTOBRAKE wiring harness into the receptacle on the tension head. Secure from below with cap screws (h) using the large Allen wrench.
- E) Adjust the height of the table by releasing the height adjustment handle. Rotate clockwise to raise the machine and counterclockwise to lower machine.
- F) Secure the height by tightening the upper knob located on the column.



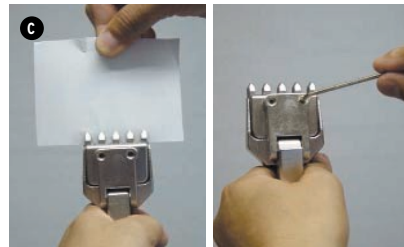
- G) Rotate the base pads to level the machine.
- H) Plug in the power supply cord (q) on the right side of the electronic tension head (e). Make sure the switch is positioned correctly for the appropriate voltage.
- I) Optional: Plug in the foot pedal control cord into the right side of the electronic tension head (e).

MOUNTING THE FRAME/STRING CLAMP OPERATION



- A) Adjust the white tip and throat retainer height by turning the knob directly below the retainers. The retainers should contact the frame just below the string holes or grommets for maximum support.
- B) Adjust riser(mounting platform) spacing. Pivot the knob bolts on either riser so that the tip of the bolt clears the teeth on the table. Adjust the location of each riser and release the knob bolt so it engages the teeth. Rotate the knob bolt for fine adjustment until the frame contacts the tip and throat risers.
- C) Set tip and throat hold down clamps with hand pressure and lock into position with locking levers.

STRING CLAMP OPERATION

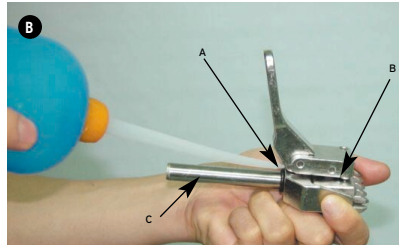


- A) Adjust string clamp pressure. Rotate the clamp nut clockwise to tighten or counterclockwise to loosen the clamp pressure. Never over tighten the clamp nut because excess pressure may damage string.
- B) Clamping the string. Unlock the clamp base and position the string clamp on the string. Close the string clamp handle and lock the clamp base.
- C) Clamp Alignment. Test to see if the clamp jaws are parallel by clamping a piece of paper. Adjust by turning the alignment screws using the small Allen wrench.



- A) Turn ON power switch located on lower right side of tension head. The speed jaws will travel back and return as part of the self-diagnostic.
- B) When the speed jaws return the display will show:
- LBS/KGS: Select kgs or lbs by pressing the LBS/KGS button.
 - TENSION: Adjust the tension setting by pressing the \uparrow and \downarrow arrows on the control panel.
 - SPEED OF PULL: Select LOW/MED/HIGH by pushing the SPEED button. It is recommended to use the low speed with low elongation strings such as kevlar, or strings of a more fragile nature such as natural gut. The medium speed is well suited for polyester type strings, and the high speed is suitable for nylon synthetic type strings.
 - AUTO BRAKE / MANUAL: The machine has an AUTOBRAKE feature which will lock the turntable each time tension is pulled on the machine, then release the turntable when tension is released. To remove AUTOBRAKE, push and hold the AUTOBRAKE/MANUAL button for 5 seconds. In the MANUAL mode, the turntable can be locked/unlocked each time the AUTOBRAKE/MANUAL button is pushed. To return to AUTOBRAKE, push and hold the AUTOBRAKE/MANUAL button for 5 seconds.
 - STATUS: this indicates if the brake is on or off.
 - PRE-STRETCH: The amount the machine pulls beyond the desired tension before settling back to that tension. Many stringers like to pre-stretch strings to reduce the amount of tension loss. Select the amount of pre-stretch by pushing the PRE-STRETCH button.
 - PRESET FUNCTION: The machine can store 3 preset tensions. Push the "PRESET" button to the desired preset (1, 2 or 3) and enter the desired tension. Push the large green "START" button (next to the tension head) to confirm the setting.
 - SINGLE STRING TENSION INCREASE: Push the knot icon to increase tension of a single string by 10 %.
- C) Wrap the string around the roller before entering speed jaws to minimize string crushing. Push the large green button next to the tension head to activate and release the electronic tension head. Excess slack, pulling multiple strings, or a combination of high elongation string and high tension setting may produce an error while pulling tension. If this occurs, clamp the string, then return the speed jaws by pushing the large green button. Pull tension again and reclamp the string.

MAINTENANCE TIPS



- A) Cleaning the machine: String clamps, string clamp rails and speed jaws must be cleaned regularly with alcohol to minimize slippage. If string clamp base slips after cleaning rails, turn base adjustment screw 1/8 turn clockwise using the small Allen wrench. **Do not overtighten adjustment screw or damage may occur.**
- B) Clamp Maintenance: To improve the life of your clamps, apply a small amount of grease(any type) to contact points A and B. Open and close the clamp several times to distribute the grease. Wipe off excess grease before stringing. Periodically check points A and B to insure they remain greased. Apply grease to clamp post C, then wipe gently with a dry cloth leaving a thin film of grease on the surface. The lubricated surface ensures smooth operation and provides rust protection.
- C) Hold down clamps must be held with palm pressure when setting hold down lever. If frame is not held securely, clean hold down clamp pin with rubbing alcohol. If problem persists, adjust socket screw by a slight counterclockwise turn using enclosed T shaped Allen wrench.

AS WITH ANY MACHINE WITH MOVING PARTS AND ELECTRIC POWER, SIGNIFICANT INJURY CAN OCCUR IF PROPER CARE IS NOT EXERCISED IN THE USE OF THE PRINCE 3000 STRINGING MACHINE. THIS MACHINE IS ONLY TO BE UTILIZED IN STRICT COMPLIANCE WITH THE INSTRUCTIONS SET FORTH IN THIS MANUAL.

PRINCE 3000 STRINGING MACHINE LIMITED 3 YEAR WARRANTY

WARNING: Electronic Tension Head warranty void if opened.

Prince Sports Inc. ("Prince") warrants to the original purchaser only that each Prince 3000 stringing machine will be free of manufacturing defects in material and workmanship under normal use and service for a period of three years from the date of delivery by Prince to such original purchaser. If any such defect occurs during the warranty period, and if the machine is returned by such purchaser, at such purchaser's expenses, to the Prince authorized service center (whose address is set forth below), Prince will repair or replace such machine, at its discretion, within the terms of the warranty (meaning that Prince will determine whether the machine is defective and whether repair or replacement is to be implemented.). It is the purchaser's responsibility to ensure that the machine is properly packaged and promptly returned, freight pre-paid, with a full written explanation of any defects believed to exist. Any loss or damage to the machine during its shipment to the Prince authorized service center shall be at the purchaser's risk. Prince will pay the cost to return the machine to purchaser.

This limited warranty shall not apply if service on the machine is provided by anyone other than the Prince authorized service center. In addition, this warranty shall not apply to damage resulting from accident, abuse, neglect or failure to follow operating and maintenance instructions.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. PRINCE SPORTS, INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

FOR REPAIRS AND SERVICE:

In the United States:
Authorized Prince Service Center:
Jim Henry
Tennis Machines, Inc.
14520 Manchester Road
Winchester, MO 63011
1-800-572-1055
1-636-394-8811
1-636-394-3271 fax

Outside the United States:
Contact your Prince Distributor



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Manufactured by Toyo-Zouki, Ltd. Saitama, Japan

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