MODEL "D" STRINGING MACHINE

OWNER'S MANUAL

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ASSEMBLY EXPLANATION

Your Model D Stringing Machine is packed by four parts; 1) Four-foot seats; 2) column; 3) tool tray; 4) machine head. Remove parts from shipping container carefully. The container should be saved for storage or reshipment. You will need to use the enclosed Allen wrench to assemble the machine. To assemble your machine:
1. Lay column on four-foot seat, and fasten screw by T-shaped wrench.

2. Place tool tray over column.

3. Insert machine head into column top and allow to seat.
4. Adjust height of machine head in desired position, and fasten screw by T-shaped wrench.

5. Lay slide bar on frame stand, facing toward the center of the machine.

6. Reverse handle of line clip to increase gap of clip, then set it on slide bar. Recover the handle after clip is set on slide bar.
METHOD FOR FIXING RACKET

1. Ensure the center of racket, then, set it on lip edge and fasten it.

2. Adjust up-and-down expansion seat to ensure racket frame in parallel with frame stand, and then, fasten screw.

3. Adjust screws on frame to ensure in parallel with racket. Be cautious! Do not over tighten to avoid deforming of racket.
4. Move expansion seat to racket frame and set it on lip edge, then, fasten screw.

5. Screw C-shaped clamp head to fasten it.

6. After racket fixed, check it again to ensure it fastened.
METHOD OF OPERATION

1. Releasing the vise brake. Push lever towards the machine.

2. Set the tension as desired. The collar reading is in 3 pounds increment adjustment and the scale is in 3 pounds as well. For example: To set tension for 62 pounds, the collar should read 2 pounds and the scale should read between the 60 - 66 pound mark.

3. Slide the tension head to start position for stringing. Move forward the lever on the bottom of the tension head to tip the head back, so that tension head can be moved forward and backward.
4. After line threading through the center point of racket frame, fix one line of them with clip.

5. When pull line, firstly, put the line into fastener plates, then, bend the line by about 90°, finally, roll the tension head backward.

6. When the line was tightly fastened, the line in hand is allowed to loosen, and continue rolling the tension head backward.
7. When the tension head was continued rolling backward to the set point (by pound), the lock bar will automatically pull backward to wholly lock the tension head.

8. When the tension head was locked, move the other clip on the slide bar to tensioned line and tightly clamp it.

9. Adjust pressure of clip, if required, to avoid sliding. Hold clip by left hand, then, turn it by 10m/m spectacles wrench (furnished).
10. Loosen tension head, hold crank of tension head and push lock bar to the auto hook on front side, then, the line can be automatically pulled out of fastener plates for stringing next hole.

11. After straight lines are all strung and fixed, remove long slide bar and lay it on horizontal slide rail.

12. Weave cross string and set starting knot. Then, tensionize first cross string, and clamp line tightly in clip attached to slide bar until complete stringing and set knot.
13. After wholly stringing of racket, first, handle the lines on racket. Loosen fixed clips on both ends to remove racket from stringing machine.

14. When you start the last string, if the remain of line is not enough to be pulled to fastener plates, please follow the steps to complete it. (1) turn on extension switch on the side of slide rail of tension head, (2) roll tension head forward.
Your stringing machine is adjusted properly prior to shipping to you, and is designed to be relatively maintenance free. During the use of the machine, some simple adjustments and care will keep it trouble free. Glide bars of finger clamps must be kept free of wax to prevent slippage.

1. Set the tension scale on 60 lbs. and the collar on 0. Place a string attached to a Winn tension calibrator in the tensioning-assembly clamp. Tension calibrator will indicate the pounds of tension on tension head under actual stringing conditions. Pull string until the locking lever releases. If it releases before 60 lbs. or after 60 lbs., the following adjustment is needed. (Caution: Be sure to release string holding tension calibrator. You are now ready for adjustment).

2. Loosen the safety screw as shown.

3. (Repeat Step 1). If the locking lever releases before 60 lbs., turn the adjustment screw counter clockwise until the scale reading matches the calibrator's. If the locking lever releases after 60 lbs., turn the adjustment screw clockwise. Warning: Be sure to tighten the safety screw after the adjustment has been made.
4. Adjustment of Glide Bars. When glide bars will not slide smoothly, adjustment of glide bars is necessary. First check whether or not the slides are parallel to each other, if not, loosen screws under the slides. Adjust the slides to make sure that they are parallel. If this doesn’t solve the problem, loosen screws underneath the tray table and adjust the rail. There should be a 0.01 to 0.02 mm end clearance between the slide and rail so that the glides will move freely.

5. After stringing 40-50 frames, your machine may need readjustment of the locking lever. Place Allen Wrench through hole in cover and into hex socket to screw. Place 10 mm wrench on cap screw directly opposite the other side of tension head. Turn Allen Wrench and 10 mm wrench at the same time and in the same direction until the lever is the proper distance from the catch. (Warning: Be sure not to make crank too tight).

6. Lubricating The Machine Use a modest application of light machine oil on the rail to ensure free movement of slide and rail. Also, use a small amount of light machine oil on bearing wheels as required. Warning: Do not lubricate the brake disc.
7. Under tension, if clip is movable, it is necessary to remove the stains or wax from slide bar and clip by using alcohol, or non-erosive detergent.
PARTS AND COMPONENT LIST

LTA 311

LTA 312

LTA 336

LTA 341

LTA 331

LTA 316

LTA 321

BS 800

BS 801

BS 806
<table>
<thead>
<tr>
<th>Designation</th>
<th>Description</th>
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<tbody>
<tr>
<td>LTA 311</td>
<td>Expansion Seat Long</td>
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<tr>
<td>LTA 312</td>
<td>Expansion Seat Short</td>
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<tr>
<td>LTA 336</td>
<td>Glide Bar-Long Right-Assy</td>
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<tr>
<td>LTA 341</td>
<td>Glide Bar-Long-Left-Assy</td>
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<td>LTA 331</td>
<td>Oversized Tennis Clamp</td>
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<tr>
<td>LTA 316</td>
<td>Standard String Clamp</td>
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<td>LTA 321</td>
<td>Badminton String Clamp</td>
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<td>BS 800</td>
<td>Wrench-Hex-6m/m</td>
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<td>10m/m Megane</td>
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<td>LTA 300</td>
<td>Tension Head-Assy</td>
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<tr>
<td>BS 808</td>
<td>Plastic Adapters</td>
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