

## Instructions to assemble 4 more shafts on the Spring



Remove the beater and the breast beam from the loom and place it on its back side.



Screw the small screws into the holes of the four new treadles, so far that the screw heads protrude approximately 5 mm (3/16"). The thread of the screws should just disappear into the wood.

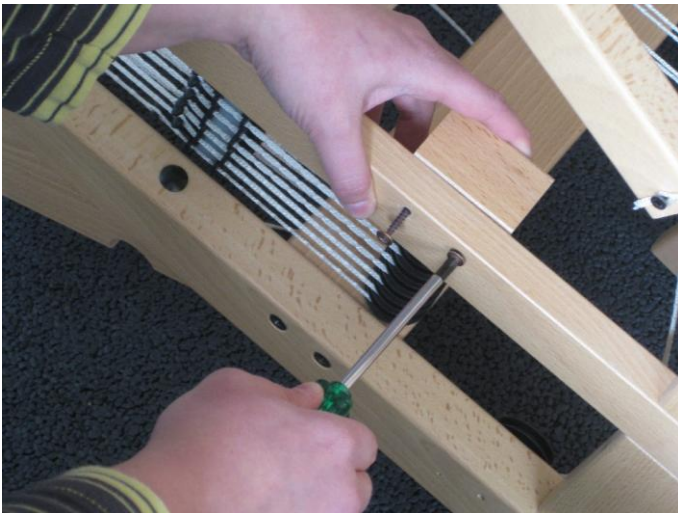


In the same way, screw the small screws into the holes on the existing treadles of the loom. These holes will correspond to the new shafts.

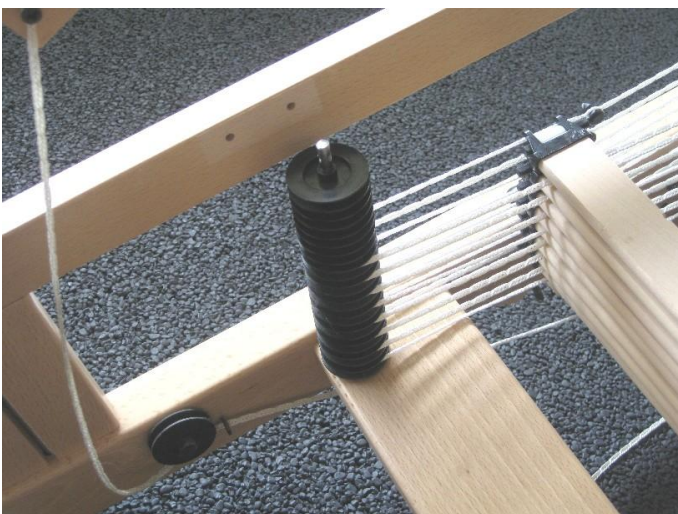




Mount at both sides of the existing treadles two new treadles, using an axle, a nylon spacer, a mounting block and a big screw.



Unscrew the wooden supports at the front side of the lower axles.



Replace the pieces of nylon tube with 4 rollers at both lower axles.

Reassemble the supports. Make sure that the wood screw turns into the same, original, thread. To find this screw thread, turn the screw counter clock wise, while pushing it in, until you "feel" the screw "drop" into the existing thread. Fasten the screw clock wise.



To add the rollers onto the axles at the top, you have to disassemble the two rails that have the shelf in between.



Reassemble the parts after you replaced the nylon tubes with 4 rollers onto the 4 axles.

Use the same trick to make sure the screws find there thread in the wood.

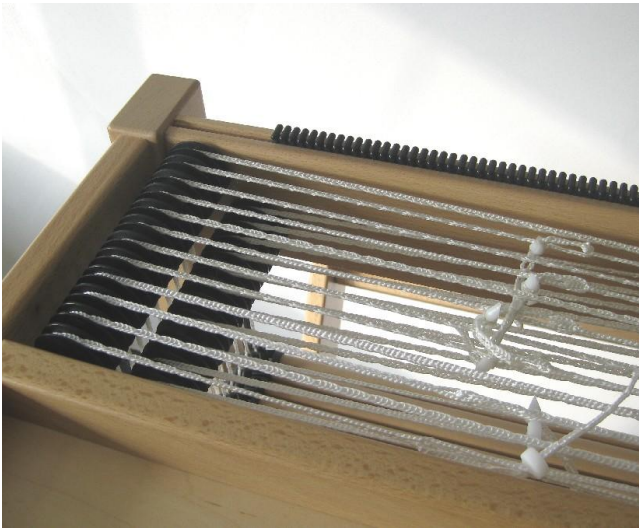


Put the loom on its feet again and lead the new shaft cords over the rollers in the same way as the cords of the existing shafts.

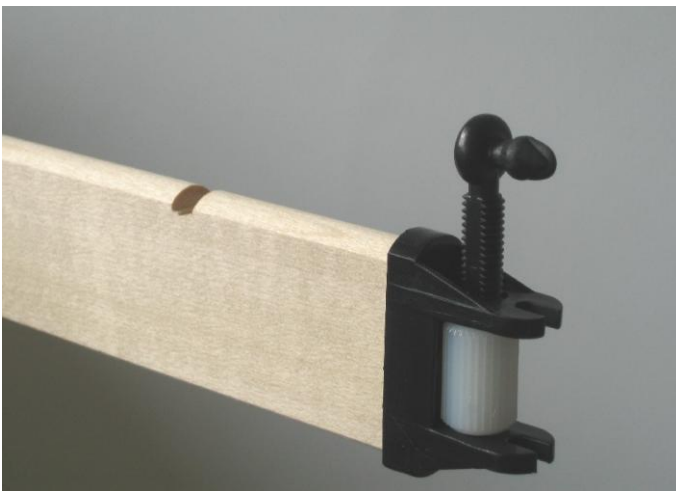
Connect the ends of each cord to each other as shown in the pictures. You can adjust the tension of the cord by choosing the cord loop to insert the Texsolv peg into. It is easier to connect the cord ends after releasing its tension by taking the cord from a roller and let it rest beside the roller.



Judge the tension after you put the cord back onto the roller.  
The higher the tension the more power you will need to make a shed  
and if the tension is too low the cord might come off from the rollers  
while weaving. Adjust the tension as needed.



Move the cord connections, alternating left and right and keep them  
about 20 cm from the rollers. Insert the locking pin through the cord  
loops of the new cords and mark those loops.



Mount the screw hooks with the  
knurled nuts onto the shaft bars  
and lams.

Notice the notches in the lams  
and that the hooks have to  
protrude at that side.

Attach the shaft bars and the lams to the cords. Put heddles onto the  
shaft bars before you attach them.

Because the number of heddles needed on a loom is determined by the  
number of warp yarns, there are no heddles included with the extension  
kit. If you don't have extra heddles, you have to take the heddles for the  
new shafts from the other shafts.