

INSTRUCTIONS

2009 cable kit PARTS LIST:

WEAVEBIRD ___S, ___”

2 SETS OF PULLEYS



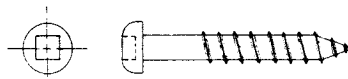
2 BRACKETS FOR PULLEYS



4 EYEBOLTS 10-24
 4 AUTOLOCK NUTS 10-24
 4 WASHERS 3/16”



ROUND HEADED
 SCREWS:
 6X #12, 3/4”
 6X #8, 3/4”



6 WASHERS 3/16”



1 TENSION ADJUSTMENT
 DEVICE



2X NON VARNISHED WOOD
 PIECES



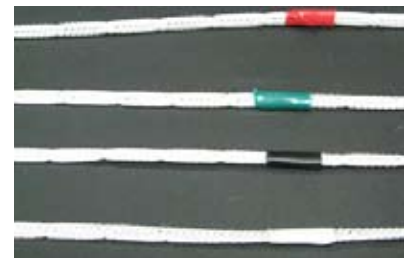
16, 24 OR 32
 SETS OF METAL
 CABLES



1 COMPLETE
 SET OF
 TREADLE CABLES
 WITH
 TURNBUCKLES



LOOP CORDS
 FOR
 THE TREADLES

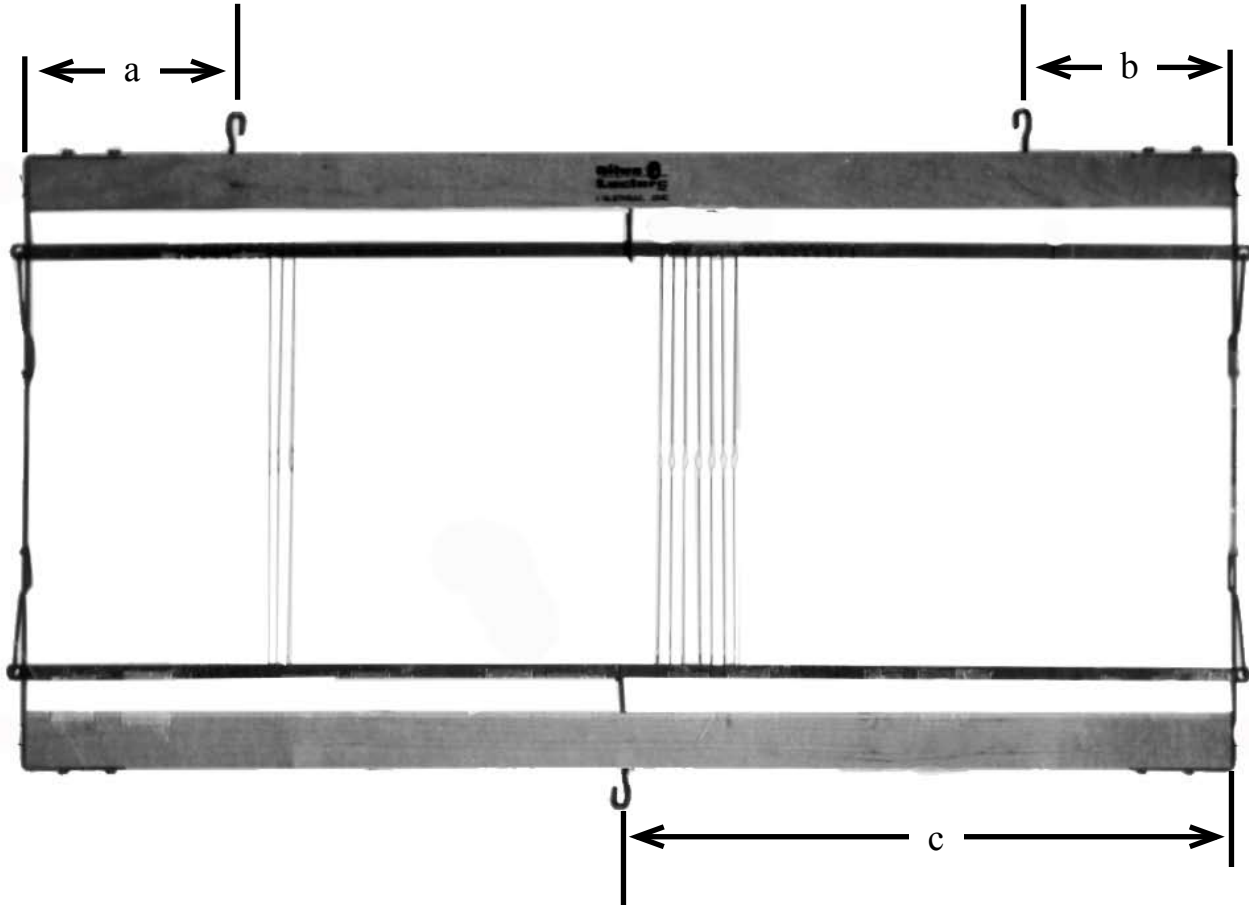


To be able to install this kit, you will need a 7/8” wrench.

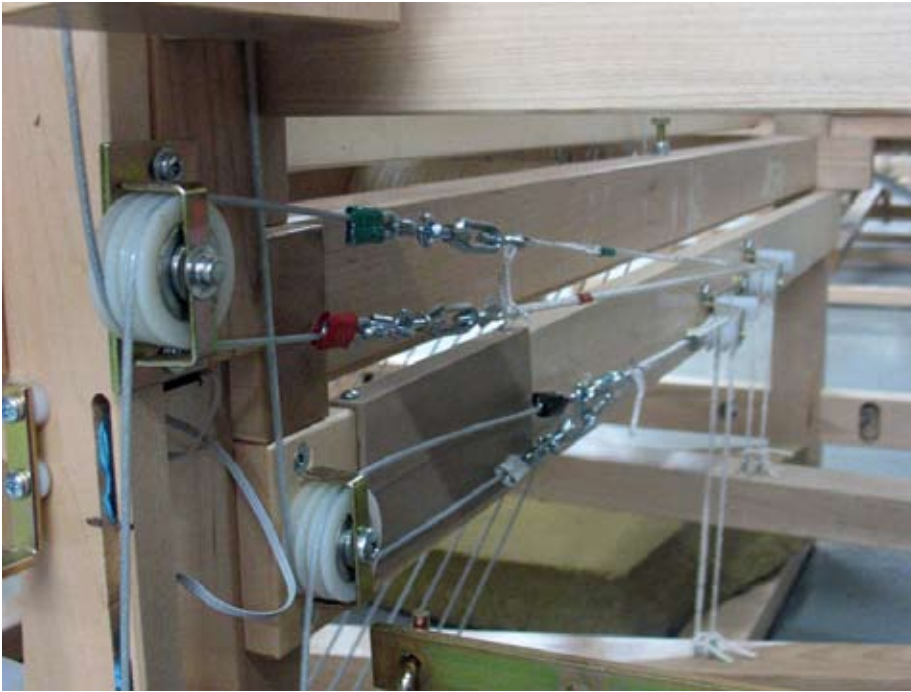
WEAVEBIRD 2009 KIT

Before you install your new cables, please check and reposition if necessary the top and bottom connecting hooks of each shaft frame according to the following measurements.

If you have to reposition, use a drill $3/32''$ ($1/8''$ is not as good but can be used) to make the pre-drilled holes.



Weaving width	a	b	c
27"	9" $\pm 1/4''$	9" $\pm 1/4''$	15 $1/8''$
36"	11.25" $\pm 1/4''$	11.25" $\pm 1/4''$	20 $1/4''$
45"	11.25" $\pm 1/4''$	11.25" $\pm 1/4''$	24 $7/16''$
60"	11.25" $\pm 1/4''$	11.25" $\pm 1/4''$	31 $5/8''$
72"	11.25" $\pm 1/4''$	11.25" $\pm 1/4''$	36 $7/16''$



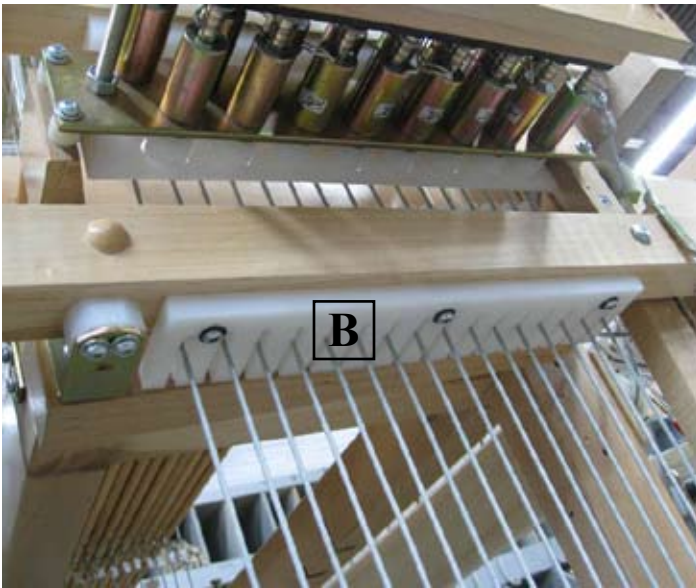
Disconnect the treadle loop cords from the turnbuckles.
If you do not have this system of treadle cords, your kit should include it.
You will have to install them later.

Unlock all the top and bottom nuts of the weights.
Remove the weight guide.

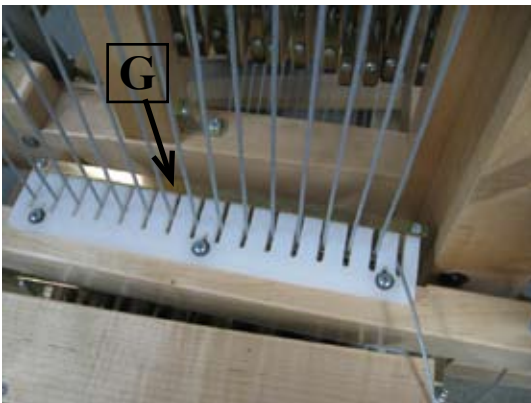




Insert on both sides, between the heddle support and the shaft frame the non varnished wood parts supplied with the kit. Using a strong cord, tie this wood shaft frame support (1) to the upper cross member. These have to be installed in order to keep the shaft frames in place when you remove the metal cables and weights.



Remove the lower comb (B) and the upper comb gate (G).



Start with the front or back shaft frame. Unscrew (counter-clockwise) the weight which is like a turnbuckle until both cables (top and bottom) are free. Put the weight on the side. Remove the top and bottom cables by un-hooking them from the shaft frame.





Thread the new cable making sure the 2 top ones do not have a twist in them.

Hook the end to the shaft frame.

Take the weight and join the top and bottom cable at the same time.

When both are attached to the weight, turn one more turn to secure and go the the next cable.

Leave the bottom cable hanging until you change all the cables of all the shaft frames.





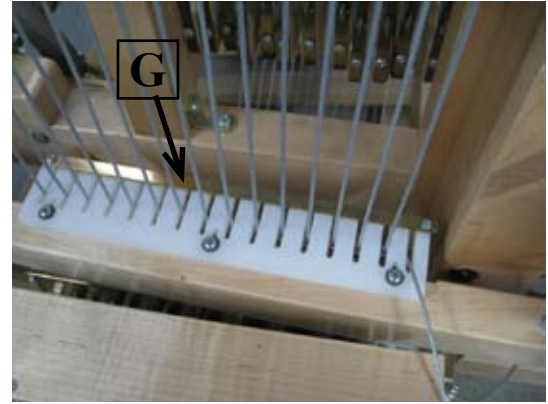
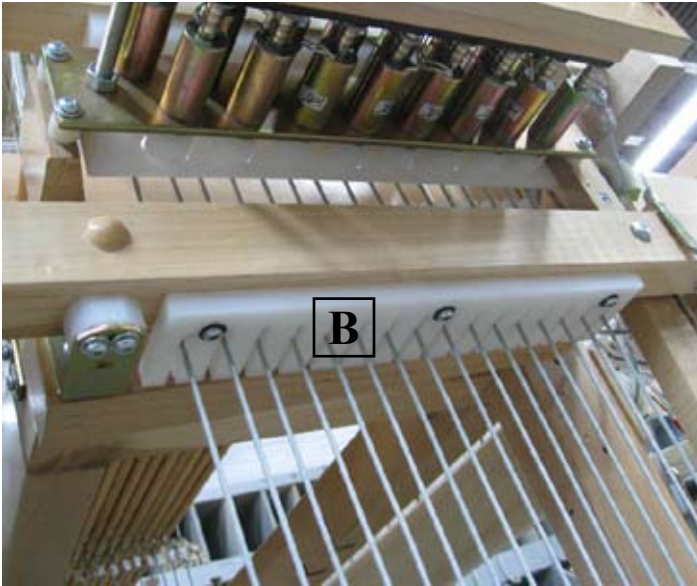
When all of the top cables have been changed;

Thread the lower cable to:

- 1) the upper combs and in front of the lower fork
- 2) in the corresponding bottom pulley.
- 3) to the under shaft frame pulley.

If you can not hook it while in the groove of the corresponding pulley, hook it while on the side of the pulley and then stretch the cable to insert it into the groove.





When all the new cables are in the loom, re-install the lower comb (B) and the upper comb gate (G)

Remove the non-varnished wood parts from the loom.



TREADLE CABLE EXCHANGE



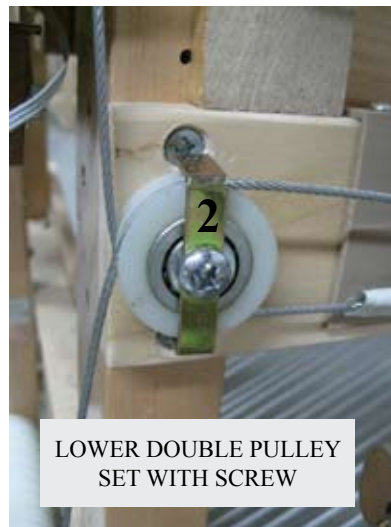
Remove the guide board (G) and the little nylon piece at the end of the top arm.



All treadle cables should be disconnected from the treadles.

Loosen the upper (1) , the middle (2) and the lower (3) pulleys.

Unthread all the cables from the pulleys.



LOWER DOUBLE PULLEY
SET WITH SCREW



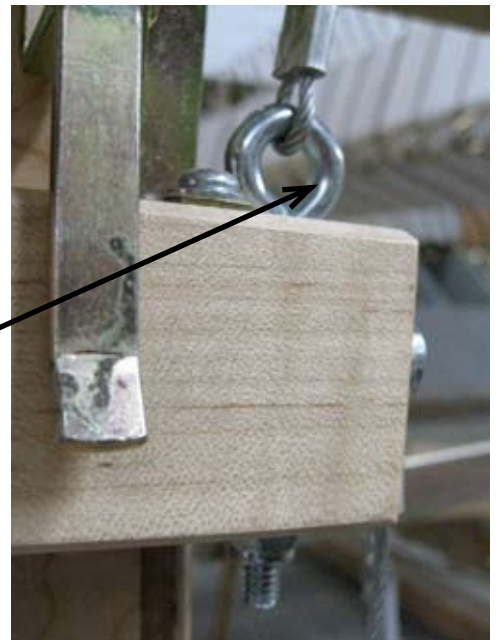


Using the 7/8" wrench, remove the eye-bolt holding both the green and white cables.



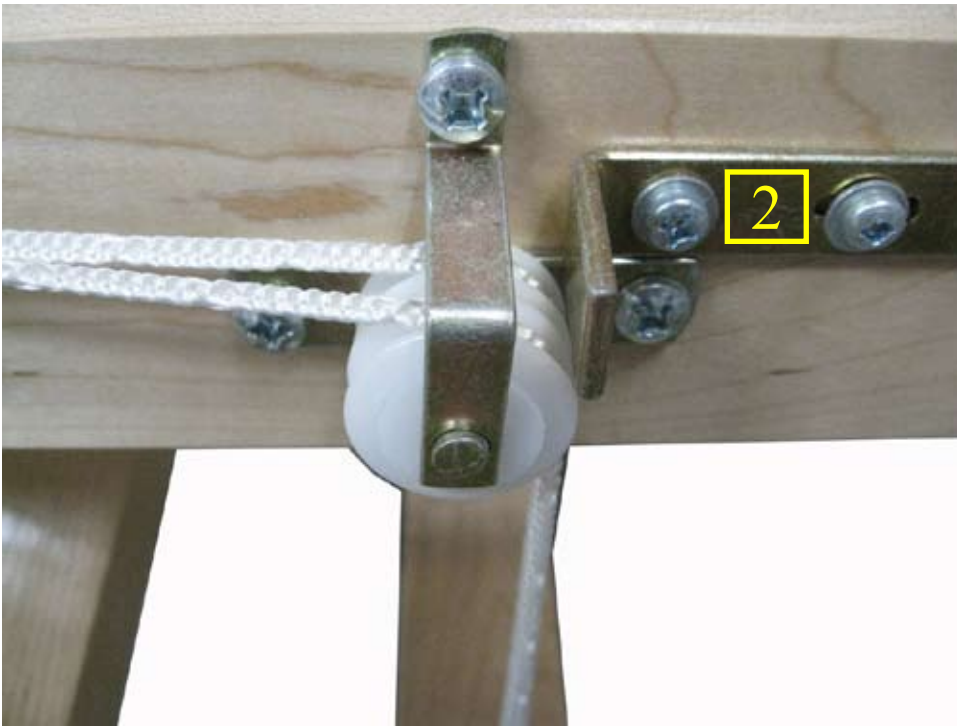
Unscrew and remove the bottom arm machine screw (black cable)

Using the 7/8" wrench, remove the eye-bolt of the bottom arm (red cable).



Install and thread the new cables kit using the same washers and nuts following the instructions on page 10 - 12 instruction.

Page 09 shows how to change the back board sets of pulleys if necessary.



Install the newest sets of treadle pulleys supplied with the kit. Use the screws #12, 3/4" to fix the pulleys bracket. Use the #8, 3/4" and the 3/16" washers to affix the bracket (2). Install this bracket close but not touching the pulleys. They will prevent the loop cords from going out of the groove.

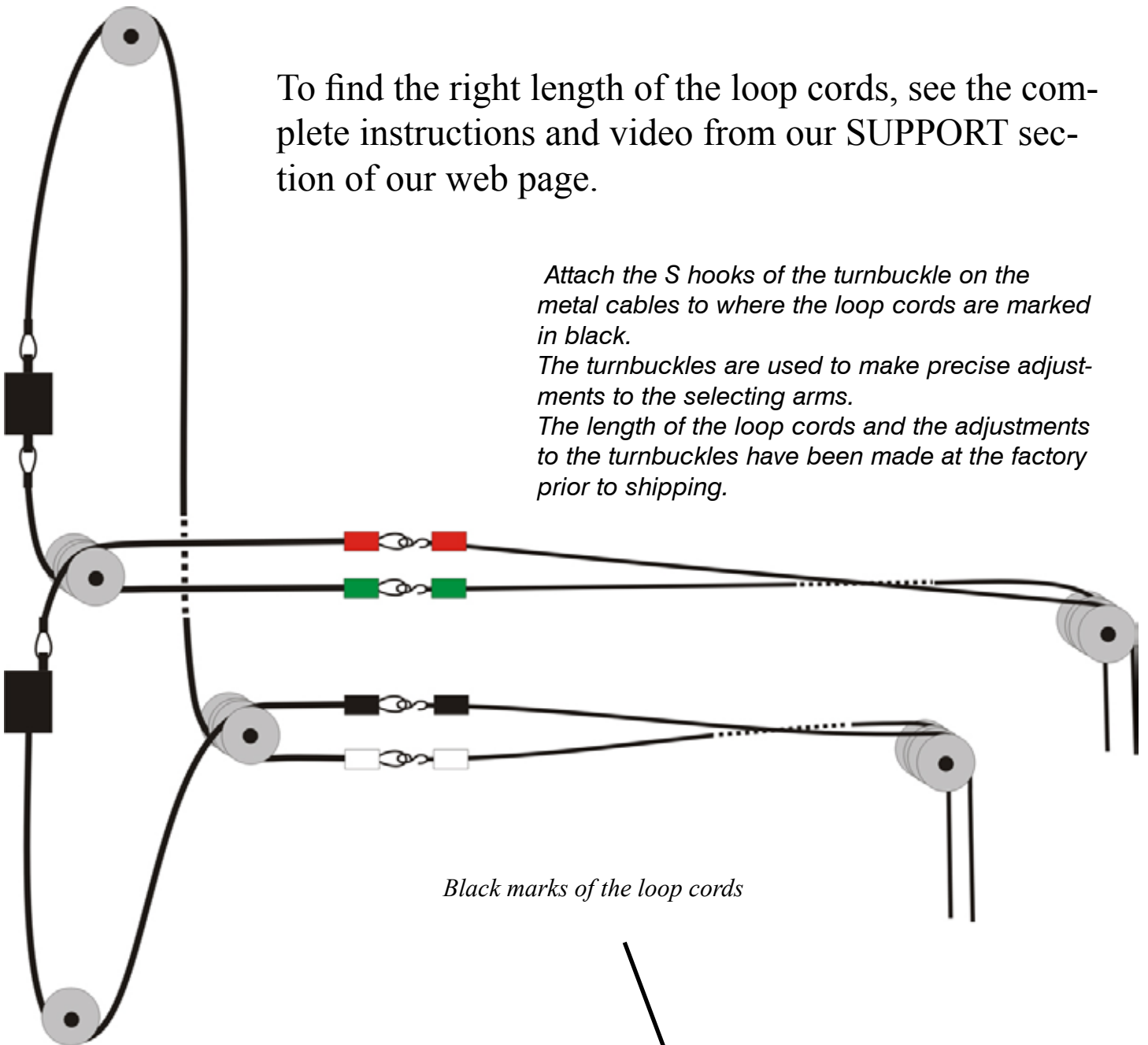
Make sure to install these pulleys so the loop cord will turn at close to 90 degrees to the pedal eye bolts also supplied with the kit.

Use a drill bit 3/16" to make the pre-drilled holes.

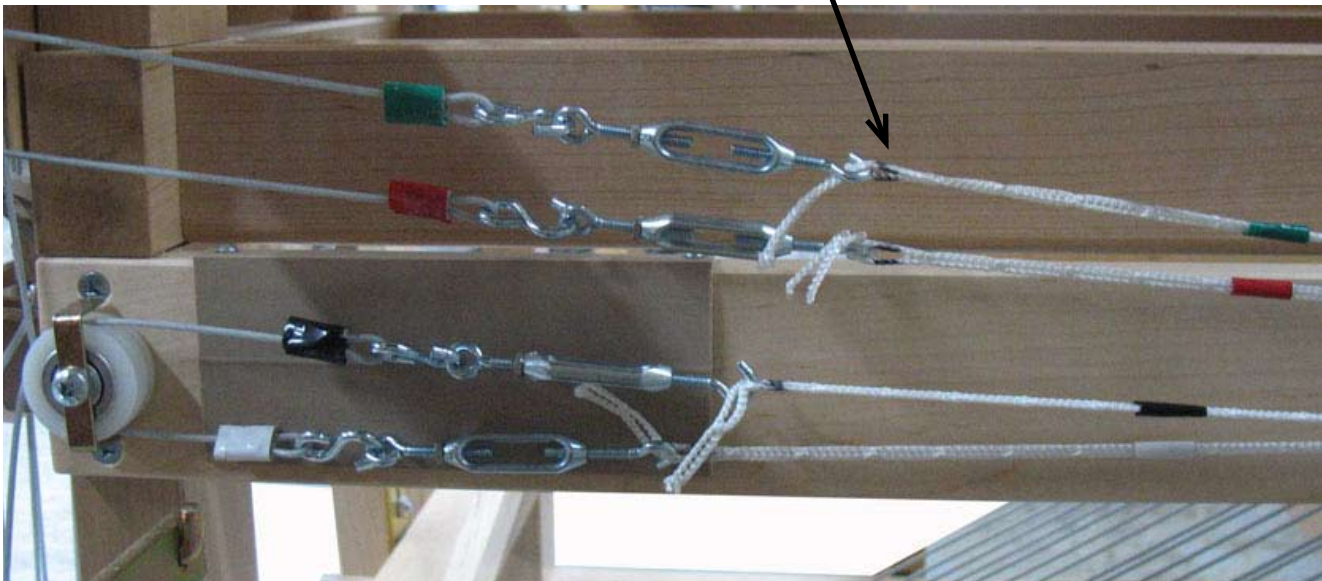


To find the right length of the loop cords, see the complete instructions and video from our SUPPORT section of our web page.

*Attach the S hooks of the turnbuckle on the metal cables to where the loop cords are marked in black.
The turnbuckles are used to make precise adjustments to the selecting arms.
The length of the loop cords and the adjustments to the turnbuckles have been made at the factory prior to shipping.*



Black marks of the loop cords





The Red and Green loop cords are starting from the left treadle of the loom (standing in the front of the loom)

The Black and White loop cord are starting from the right treadle and are opening the shed.



Lock nut



Start with the left treadle down (closed shed). Connect both cords (Red and Green) so that both arms are in the completely closed position and the treadle is approximately 1" from the floor.



With the right treadle down, pull the black and white cables with your hands to open the shed.

Connect the black and white cables to the loop cords so that both arms are as open as possible. The treadle should be approx. 1" away from the floor.

The tension on both loop cords must be equal.

After weaving for several days, check the tension of the cables and re-adjust them with the turnbuckle if necessary.

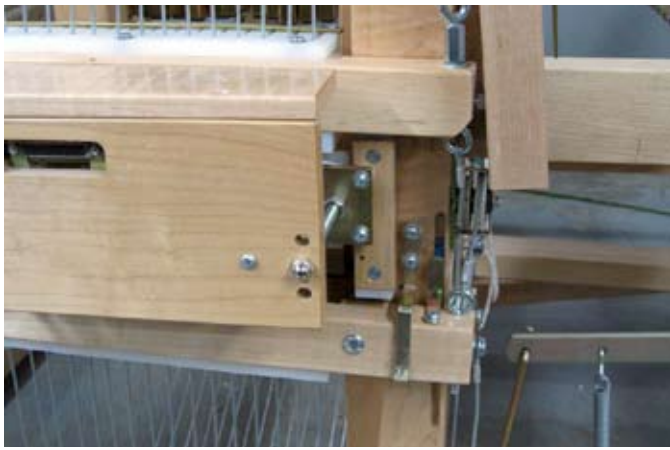


Lock nut



When you have the right adjustment of the length of the loop cords and the right adjustment of the turnbuckle, lock the turnbuckle with the lock nut and an electric tape over this nut.

CABLE TENSION ADJUSTMENT



Close the shed and in order to make sure the shed is completely closed put a weight on top of the left treadle.

Hook the S hook of the tension device to one of the top eyebolts of the weight.

Stretch the spring until the device is parallel to the floor and on the back board.

Screw the weight until the bolt part is aligned with the black mark of the tension device. Do the same for all other cables.





Align all the top and bottom eyebolts and lock the weights in place with the nuts.



Restart the unit following the troubleshooting document available from our web page.

For any problem, contact us at:
info@leclerclooms.com