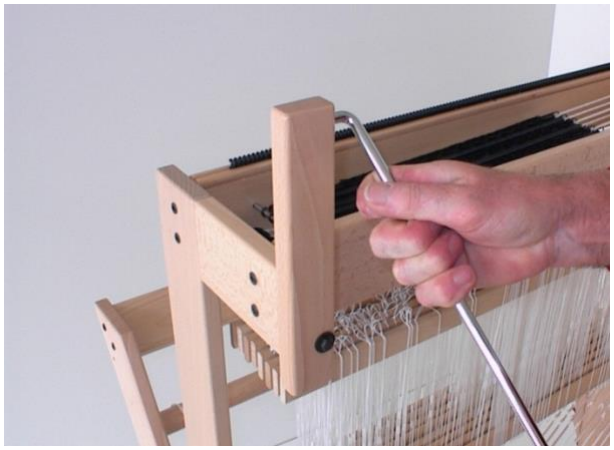
David
Conversion kit beater

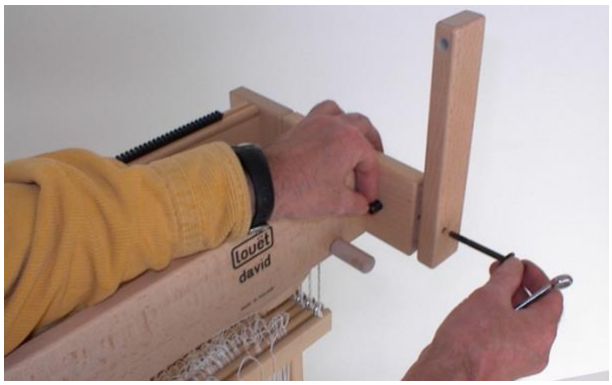
This conversion kit can be assembled when there is still a cloth on the loom.

To mount the beater onto the David you will need to drill eight holes into the frame of the loom. Besides a clamp for fixing the drill jig onto the loom, two drill bits are needed: 4 and 6.5 mm. You can find these drill bits in the box.



Remove the hanging beater from the loom by pulling the hanger out of the nylon bearing while moving the beater up and down.

You will need the upper reed holder, and of course the reed, for the new beater.



You can also remove the wooden blocks on the front of the loom, they are not necessary anymore.

In the box you will find:
- lower reed holder
- 2 stainless steel axles Ø 8 mm
- 2 bearing blocks
- 2x 2 support blocks for the axles
- 2 hardware bags
- jig to drill holes
- piece of wood; aid for

drilling the holes

The hardware bags contains:

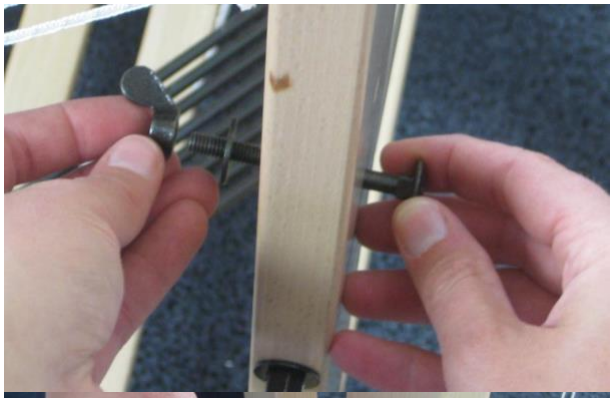
- 2 threaded ends M8 x 164 mm, each with a cap nut, washer, barrel nut, piece of nylon tube (not shown in pictures) and knurled nut.
- 1 wrench 13 mm
- 4 carriage bolts M6 x 60 mm with washer and wing nut
- 4 screws 4 x 40 mm
- 4 screws 5 x 50 mm

The jig has two dowels that protrude at both sides, so you can use the jig mirror wise at both sides of the loom.

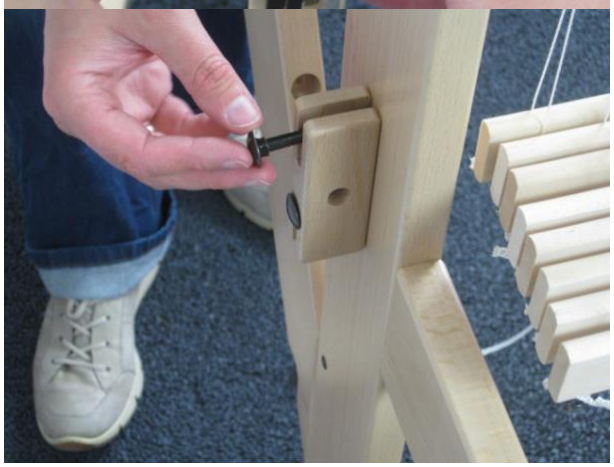
Fix the jig with the clamp onto the main post. The dowels of the jig should be located in the corners of the post and the side rail. The clamp also holds the piece of wood at the back side. This prevents splintering of the hole at the back.

Drill the two holes with the 6.5 mm drill. Drill the two holes into the other main post the same way.

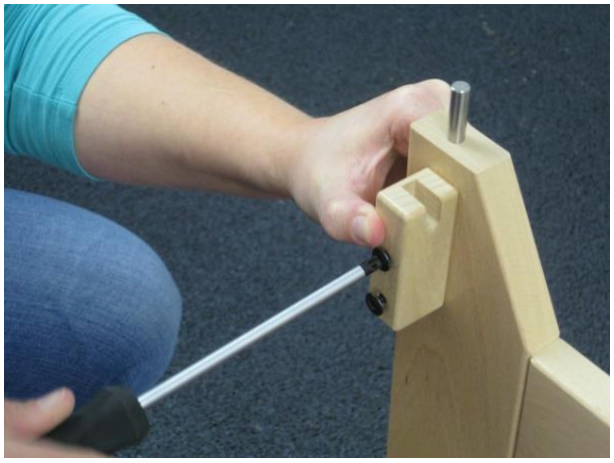
Into both front posts two holes of 4 mm have to be drilled using the same jig in an other position: The two dowel against the backside of the post; the upper one in the corner of the post and the side rail.



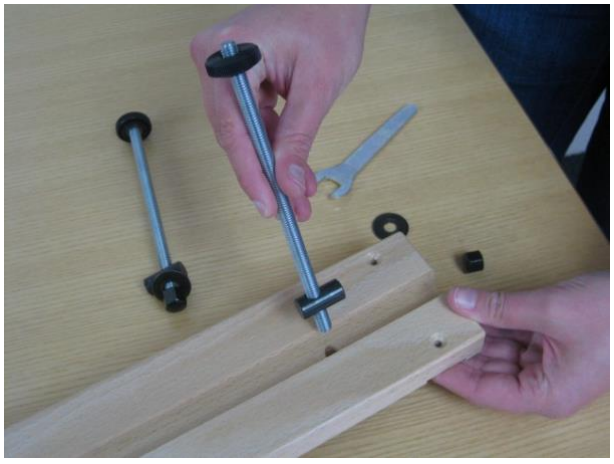
Insert a carriage bolt through the lower hole that you drilled into the main post, place the washer on the end and screw on the wing nut a few turns.



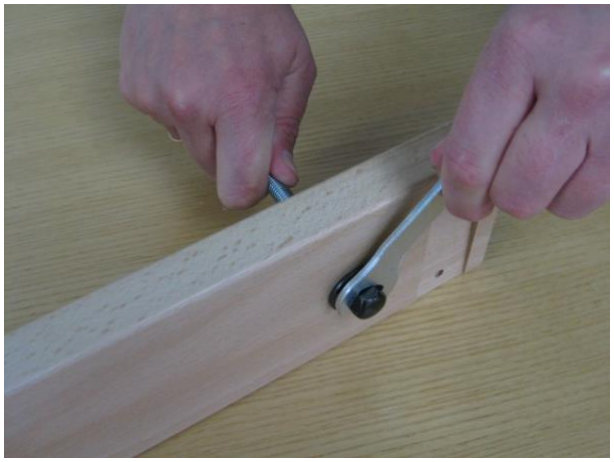
Slide the block with the two slots on the carriage bolt. Note that the oval hole faces the front of the loom. The second carriage bolt has to be plugged into the other slot and hole. After you have fastened the bolts with washers and wing nuts, mount the second block onto the post at the other side of the loom.



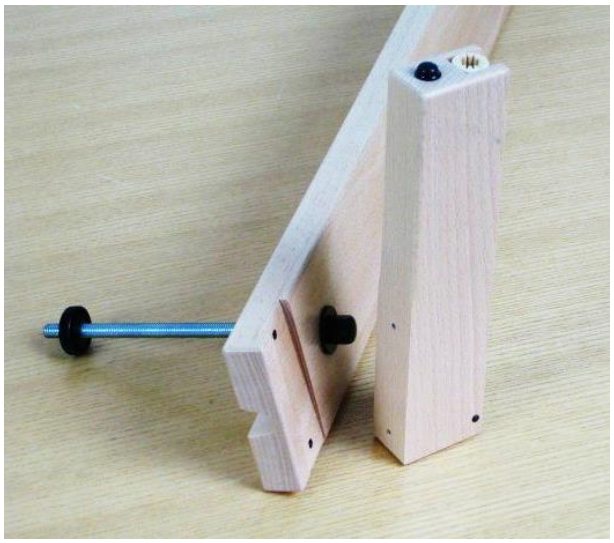
Screw the other two support blocks, each with two screws 5 x 50 mm, on the outside of the front posts of the David. Note the direction of the slot.

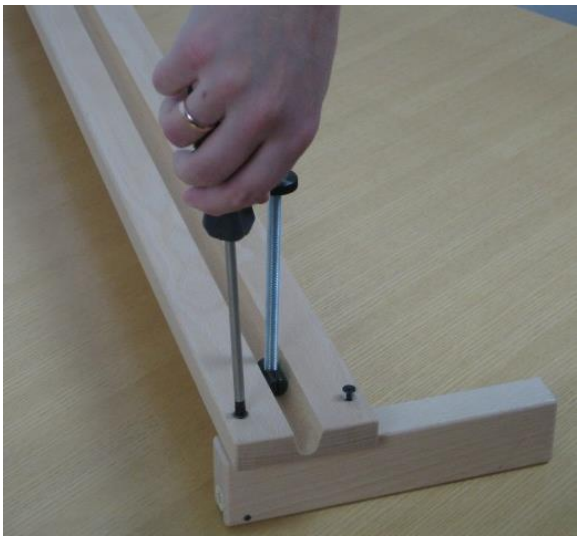


Remove the cap nut and the washer from the threaded end. Insert the threaded end through the hole in the groove of the lower reed holder. The barrel nut fits in the groove and the short end of it should be at the side where the reed will be.



Fasten the cap nut with washer onto the thread that protrudes from the bottom side.





The picture at the left shows in what position the bearing blocks have to be connected to the reed holder. Note the direction of the slope of the notch. Assemble the blocks and the reed holder with the four screws 4 x 40 mm.

Insert the axles through the bearing blocks at both sides of the reed holder and place the assembly onto the loom. Put the axles first into the oval holes and then in the slots at the front.

The level of the beater can be adjusted by fastening the blocks on the main posts a bit lower or higher.

Remove the knurled nut from the threaded ends. Position the reed and the upper reed holder in between the threaded rods.

Move the beater a bit forward and remove the knob from the threaded end.

Place the metal plate onto the threaded end. Make sure the plate is turned so the small hole faces the other end of the beater.

Use the nail as an awl to tap a puncture hole for the screw, while you keep the threaded end pressed into the groove in the end of the beater bar.

Secure the plate with one of the provided screws.

Fasten the beater again with the black knob.

Repeat the steps for the metal plates at the other side of the beater.