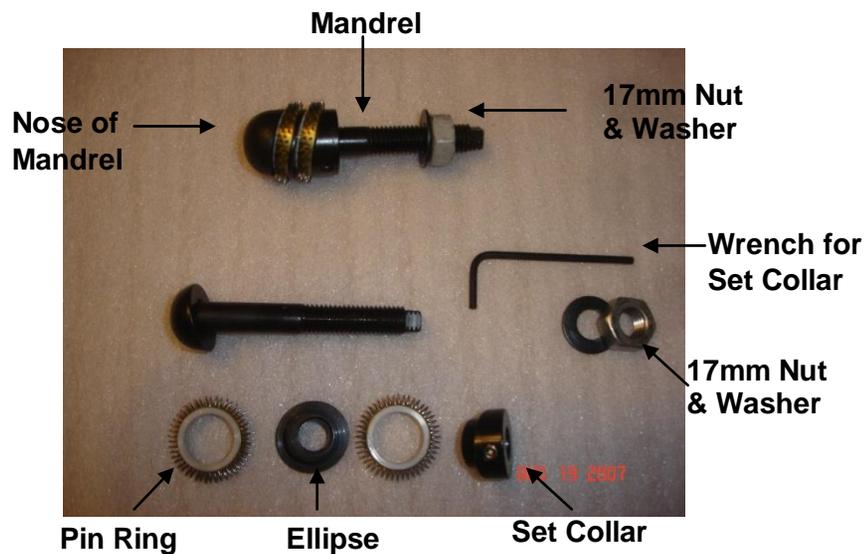


## Changing the Pin Rings of a Temple:

1. Use 17mm wrench (included) to loosen and remove the 17mm nut and washer. Pull the mandrel free from the wood standard.
2. Loosen the set collar with the Allen wrench and remove it.
3. Exchange spacers and existing pin rings with 1mm, 2mm, and 3mm rings as desired.
4. When placing pin rings on the mandrel:
  - Be sure the plastic side of pin ring is toward the nose.
  - Each pin ring is followed by an ellipse until up to 4 pin rings are inserted.
  - The final pin ring is followed by the set collar instead of a plain ellipse.
  - Roll pin rings on mandrel until their movement is free, smooth and you feel them join together. This means the ellipses are now aligned.
  - Tighten set collar with Allen Wrench.
5. If less than 4 pin rings are used, add spacers to the mandrel to equal 4 rings. The nose of the mandrel should align with the end of the tensioner.
6. Place mandrel back through wood standard.
7. Add extra spacer to shaft for storage (if you have an extra), then add washer followed by 17mm nut. Tighten with 17mm wrench.
8. Adjust pitch when you return the temple to its track on the loom.



## Rotary Temple Installation For Fireside Jack Looms

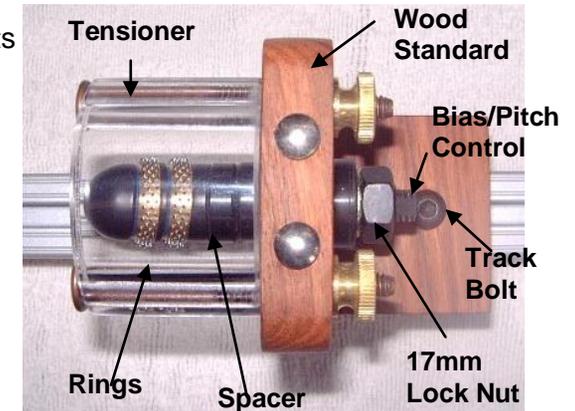
Updated: August 2007

### Parts Included:

- 2 Rotary temples
- Track with 2 mounting brackets
- 4 Screws #14 x 1"
- 2 Bolts 1/4x1/2", Flange Nuts
- Allen wrenches (2) – T-handle & L-shaped
- Wrenches (2) – 7mm and 17mm

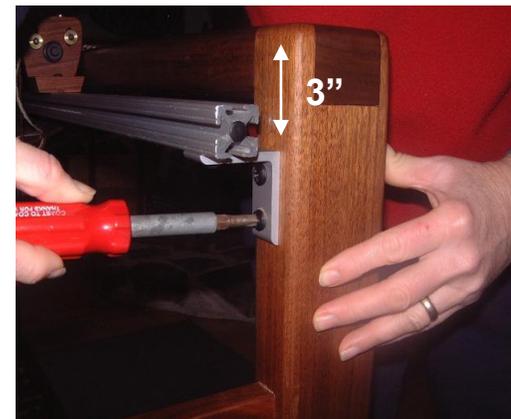
### Tools for installation:

- Drill and 3/16" bit
- Tape measure and pencil
- Phillips screwdriver



### Mounting Brackets & Track:

1. Locate the mounting brackets so they are centered on the front frame uprights so the track sits on the bracket with the track top 2" below the top of the breast beam. The top of the bracket should be 3" from the top of the beam.
2. Mark the screw position for the brackets and drill pilot holes for 2 screws per bracket – attach brackets with screws.
3. Attach track to mounting brackets with bolts being sure flange nut is dimple side down. Tighten with Allen wrench provided.



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### Positioning the Temples:

1. Orient the 2 temples so the pin wheels are located on the inside toward the web to find the track side they belong to.
2. Slide the temples onto the track by lining up the flange nut at the base of each temple with the slot in the top of the track.
3. Keep temples on the outer edges while the heading is woven & apron/ tie-up stick clear the front beam. Weave several inches of waste yarn being careful to minimize draw-in.
4. To engage the temple, lift the tensioner to the upper position and lock in place.
5. Slide the temple into position with pin wheels under the selvedge. Allow 1/2" clearance between the temple wood standard and selvedge.
6. Once in position, drop the tensioner until the desired pressure of cloth against pin wheels is achieved. The tensioner is adjustable. You may increase leading edge pressure by rotating the front down and vice versa with the trailing edge or keep them parallel. For additional grip, use the Allen wrench. By removing one bolt entirely, the tensioner can be pivoted up out of the way. Tighten both bolts on the tensioner.
7. Once the cloth is engaged on the pin wheels, pull the temple out until the selvedge planes with the warp exiting the reed and tighten the track bolt.

**Note:** If take-in occurred in the heading you may want to draw it out in stages before proceeding. It is normal to have 1/2" of take-in for most fabrics. If your take-in increases, unloosen the track bolt and pull temple out slightly, then retighten track bolt. Don't forget to use techniques such as curving or bubbling, for increasing the amount of weft in each shot.



#### Caution:

Avoid dropping the tensioner on bare temple pins as the plastic can scratch.



### Advancing your Cloth:

Weaving proceeds in the usual manner with the Rotary Temple in place, weaving nearly as close to the breast beam as before. When advancing the warp, place the beater in contact with the fell line and advance your cloth slowly until the beater nears the temple. Leave at least 1/2" clearance between the beater and the temple. Once you become familiar with these parameters, advancing cloth will be as natural as before.

### Tracking the Cloth – Adjusting Pitch:

It is during cloth advance you will observe any misalignment that might occur as the selvedge passes over the rings. The pitch angle is preset at our workshop but may require small inputs to keep your selvedge tracking perfectly. Bias corrections are made using the 7mm wrench on the square drive on the end of your temple.

- If you observe cloth running off the rings, you must increase pitch by rotating the square shaft clockwise, counterclockwise for decreased pitch.
- Use the 17mm wrench to tighten the large hex nut that locks the temple in place and maintains the pitch angle.



Once set, few adjustments will be necessary.

### Disengaging the Temples:

To disengage your fabric from the temple, first release the tension on the warp and the pressure on the tensioner. Remove the front tension bolt and flip the tensioner out of the way. Loosen the track bolt and lift the cloth while you slide the temple clear of the selvedge.

### Using your Rotary Temples on Multiple Looms:

Should you desire to use your temples on another loom, you may mount additional track to another loom frame and simply transfer the temples from one loom to another. If the looms are similar widths, you can mount brackets on each loom and transfer the entire track from one to the other.