



## Major Preventive Maintenance and Repair (Perhaps once a year - or as needed)

Structure - Visually inspect and repair or strengthen as necessary: Side frames (gables), Beams, Crossbraces, cloth and warp rollers, ratchets, pawls, -

Tighten bolts, wedges, etc.

Check wear points - Install spacers or washers as necessary -

Refinish if badly weathered. Sand rough areas and finish with original manufacturer's type of material. Watco Danish Oil is a good material.

### Lube moving parts.

Wood to wood : Paraffin

wood to metal : Paraffin

metal to metal : light oil - non detergent 10-20 weight, 3 in One or sewing machine oil. Use sparingly - only a few drops.  
Oil impregnated, sintered bearings do not require oil.

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Beams : If warped, Turn over or swap.

Warp Tensioning Devices : Brake drums : DO NOT LUBE, varnish or oil.

Repair or replace cords, cables, springs etc. as necessary. Move wear points for more life.

Lams and Treadles : Lube pivot points

Rebush and drill out where sloppy. Lube with hot paraffin.

Cords : Texsolu polyester (Dacron) loop cords - Adjustments. Maybe mark spots with felt pens. Braided dacron - Double or single / with core. Minimum stretch  $\approx$  3-4 %.

Don't use nylon cord. It has  $\approx$  17% stretch. Very unsuitable for tie-up.

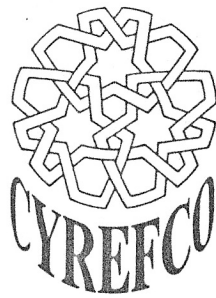


Cables - Check bend and wear points.  
Check connectors. Avoid sharp bends.  
Nylon jacketed cable is more friction free  
and easier to handle. Look for flexibility.

Shaft/Harness sticks and Lams. Check  
for warping (interference between shafts.)  
Worst warping could be on outer shafts facing  
away from adjacent. Replace as needed. Ash  
is a good straight-grained wood. If weathered  
sand with 180 grit paper and oil with Watco  
natural Danish oil.

#### Tie-Up - Major

1. Accurately hang shafts/harnesses with your shaft hangers.
2. Set with warp ends near to the tops of the heddle eyes.
3. Level shafts left to right - fore and aft.
4. Shaft cords should be snug but not bowstring tight.
5. Adjust tie-up of lam and treadle cords for perfect bottom sheds.
6. While adjusting, check each cord or cable for wear points and shift or replace as needed.



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7. After weaving a few hours recheck and readjust anything which may have stretched or changed.

### Tie-Up - Minor

DAILY, prior to weaving - check all cords, cables, pulleys, visually and by feel. If there are problems with the shed correct it. DON'T FIGHT WITH IT WHILE WEAVING. You will save the time spent correcting problems many times over and have a much more pleasant weaving experience. Look at the fully open shed and correct any shadow sheds.

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CYREFCO