

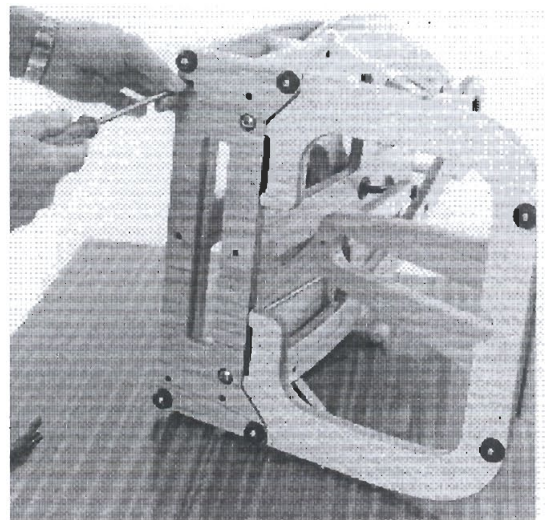
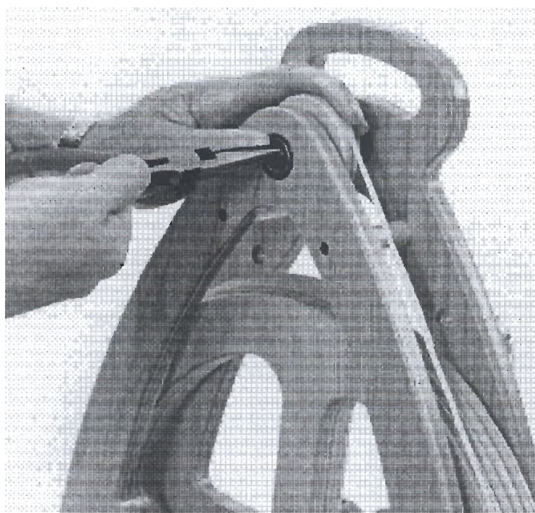


## INSTRUCTIONS ON HOW TO REPLACE THE FLYER SHAFT ON THE JOY ASHFORD SPINNING WHEEL

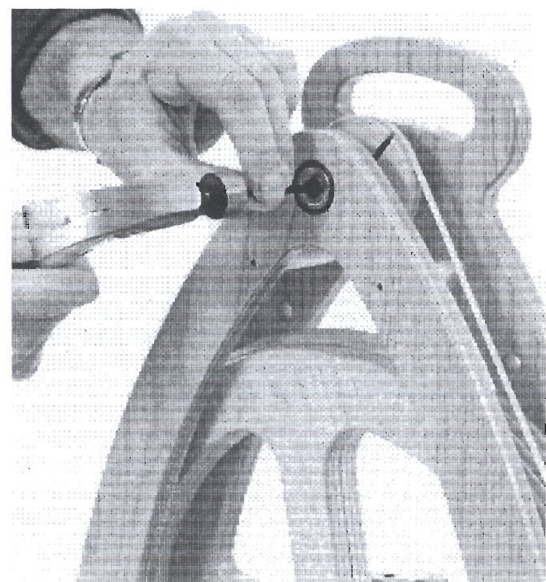
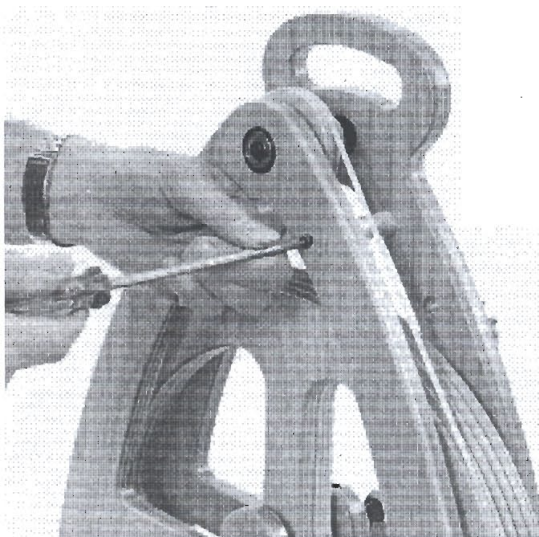
**Tools required:** ⊕ Screwdriver, small hammer, pliers, eye protection.

**Before commencing and to avoid frustration** please read these instructions carefully and follow the step by step instructions in the **correct** sequence.

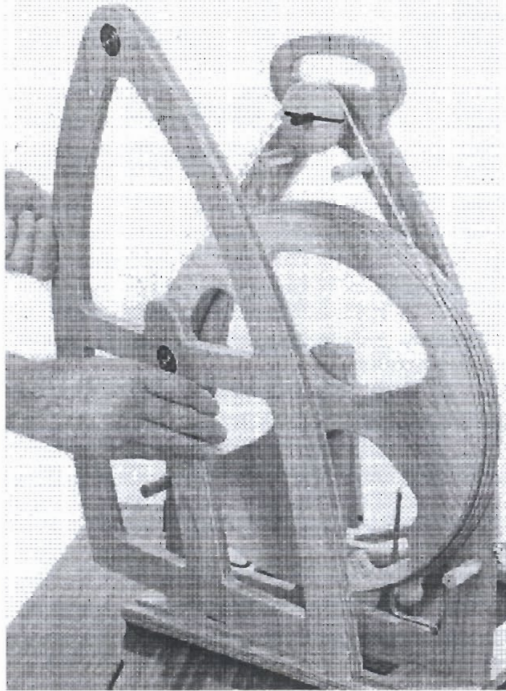
- 1 Remove the two back E-clips from top shaft and crank. **Caution: the E-clips are under tension & can fly off. Wear eye protection.**
- 3 Remove the three screws that attach the back frame to the base.



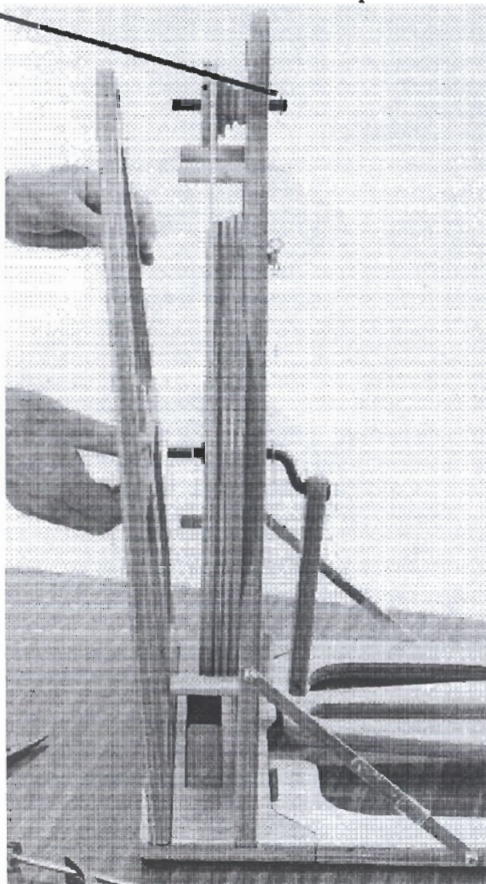
- 2 Remove the four screws that retain the back frame to the four dowel spacers.
- 4 Use a hammer and tension pin to tap the flyer shaft and crank forward until they are free of the bearings in the back frame.



- 5 Lift the back frame away from the front flyer shaft and crank.

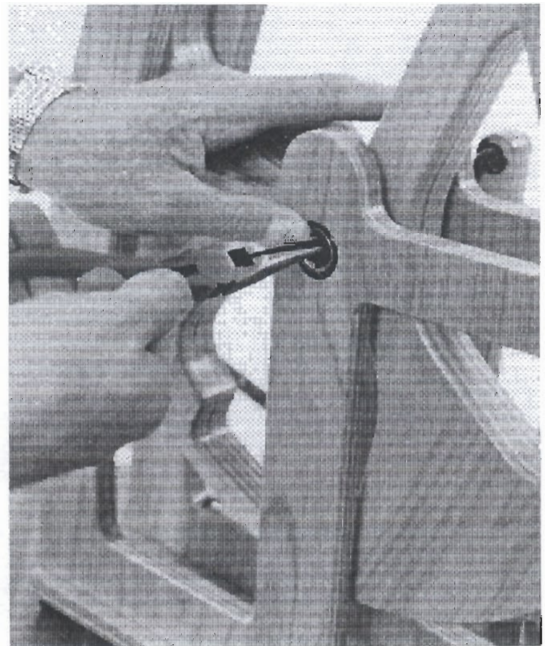


- 6 Carefully remove the E-clip from the front of the flyer shaft and slide the shaft out. Carefully remove the E Clip from in front of the pulley and slide the pulley off the shaft. Tap the new tension pin through the hole in the new flyer shaft. Slide the pulley onto the new flyer shaft until the groove engages the tension pin. Then secure with an E Clip. Fit the new shaft into the frame and secure with an E Clip.



- 7 Place the drive belt around the wheel and pulley. Then replace the back frame into position carefully sliding the flyer shaft and crank back through the ball bearings. **Note:** take care not to push the ball bearings out of the plastic bearing housings.

- 8 Replace the E-clips onto the grooves in the flyer shaft and crank. **Wear eye protection.** Ensure the E-clips locate into the bottom of the grooves. It may be necessary to squeeze the front and back frame together to ensure the crank projects through the bearing.



- 9 Replace the screws holding the back frame to the base and dowel spacers.

- 10 Thread the flyer into the flyer shaft. You are now ready to spin.

  
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