

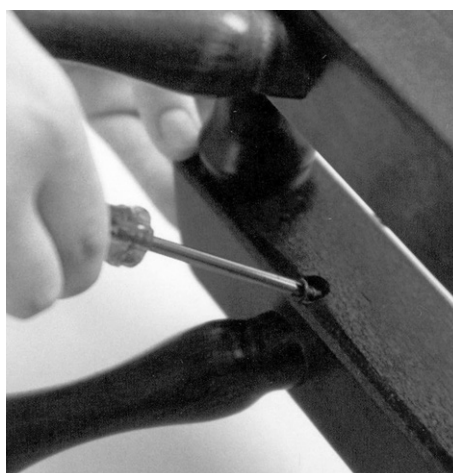
DOUBLE TREADLE KIT

ASHFORD TRAVELLER SINGLE OR DOUBLE DRIVE

Tools Required: Hammer, slot screwdriver, philips (pozi) screwdriver, candlewax, Ashford Spinning Wheel Oil.

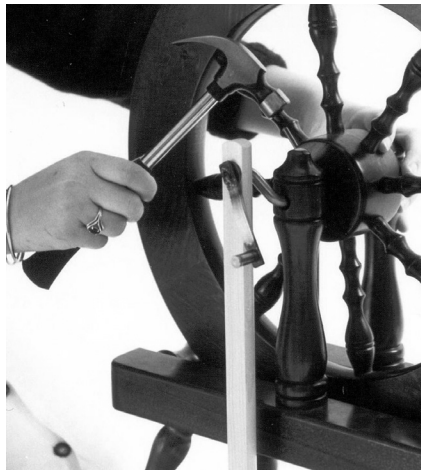
Finishing the Wood: We recommend the wood surfaces be sealed before assembly. This protects the kiln dried wood from climatic changes and enhances its beauty. Use either the Ashford Wax Finish or the same finish as the rest of your wheel.

Assembly Sequence: Please read these instructions right through before commencing.

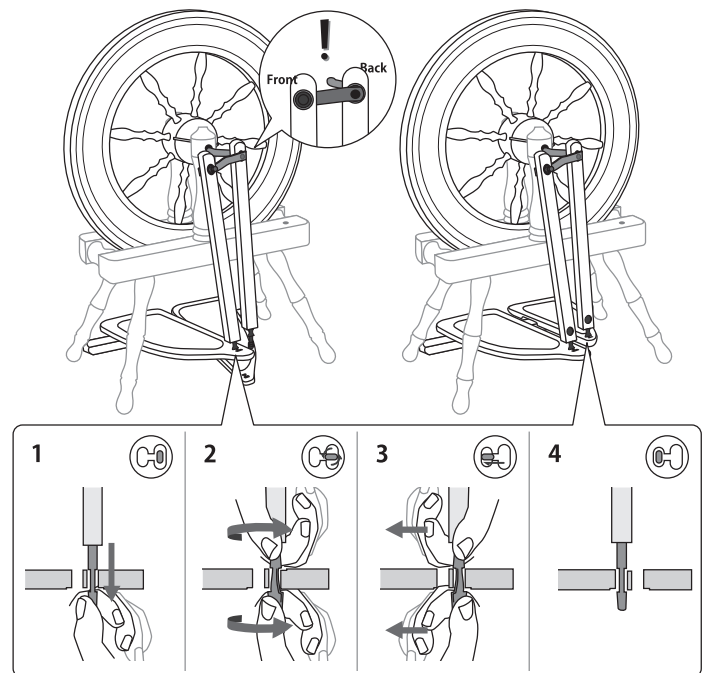
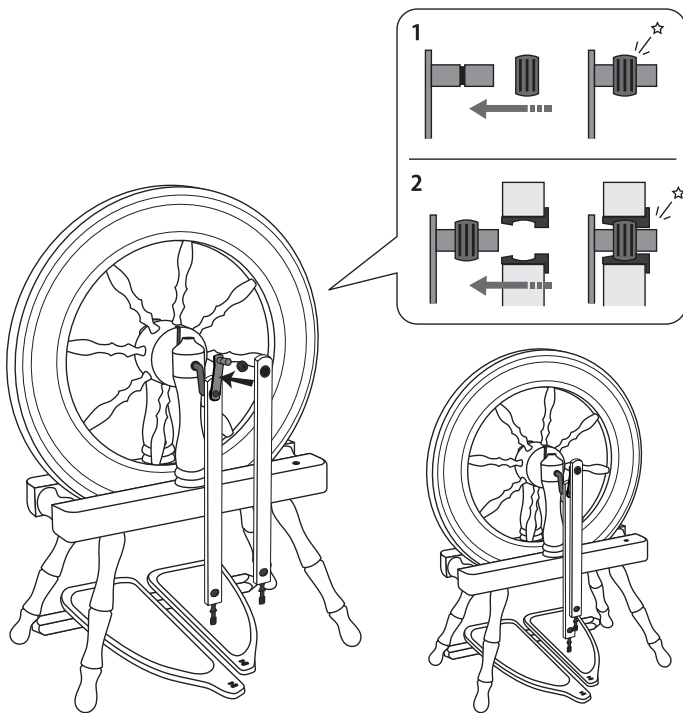


1. Remove from the crank:
 - a) the split pin with a pair of pliers
 - b) the O-ring with a pin or needle
 - c) the E-clip with a small screwdriver. Take off old con rod from the crank.
2. Remove the hub pin. Use the nail provided and a hammer. Note: on earlier models the hub pin is in the middle of the hub. Avoid damaging the spokes. Place a flat steel object such as pliers or a spanner over the nail and hammer it.
3. Remove the crank from the wheel. On old spinning wheels use a slot screwdriver to prise the bent 1/8" diameter hub pin out.
4. Remove the wheel from the frame. Clean the bearings and wheel. Remove any fibres that may have collected around the crank.
5. Remove the screw securing one front leg to the base.
6. Carefully twist and pull this leg from the frame. Note: it is possible this leg will be tight in the hole due to being a firm fit when manufactured.
If it is tight:
 - a) Remove the other front leg (remove the screw first)
 - b) Hold the spinning wheel upside down by the leg. Protect the base with a piece of wood. Then tap the base with a hammer. Two people may be necessary for this task.

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7. Locate one end of the double treadle rail into the hole in the leg in the base. Place the other leg onto the other end. Push the leg back into the base. Check the treadle rail moves freely. Hammer the leg in and secure with the screw.
8. Replace the wheel into position. Note: the hub pin is on the same side as the con rods.
9. Push the double treadle crank (with the inner con rod attached) through the wheel supports and into the hub. There are two holes in the crank. One will fit your wheel.
10. Place the nail down the hub pin slot and rotate the crank until it fits into the hole in the crank. Remove the nail and replace it with the hub pin.



11. Slide the inner shell of the conrod universal joint onto the crank until it clicks into the groove. Then click the front conrod onto the universal joint on the crank.
12. Insert the front conrod into the large slot in left hand treadle board. Hold the conrod joint with one hand on either side of the treadle board. With both hands, turn the conrod joint a $\frac{1}{4}$ turn. Stretch and slide it into the small slot and turn it back a $\frac{1}{4}$ turn until it clicks into place. Repeat the sequence for the rear conrod and the right treadle board.
13. Lubricate all moving parts with Ashford Spinning Wheel Oil. Now you can enjoy spinning on your new Ashford Double Treadle Kit.