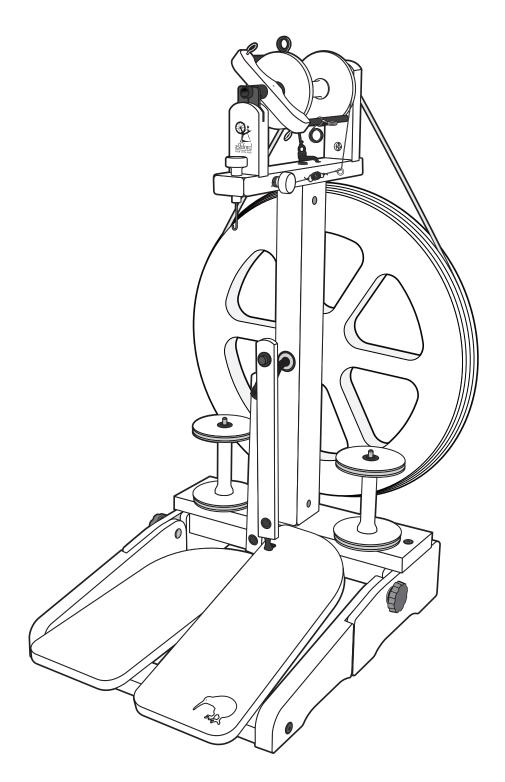


## **KIWI 3 SPINNING WHEEL**



KSW270423V17

#### Ashford Handicrafts Limited

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#### Ashford Guarantee

Thank you for purchasing this Ashford product. In the unlikely event there is any fault in manufacture, please contact the dealer you purchased it from. To validate the guarantee, please go to www.ashford.co.nz/product-registration

## ASSEMBLY INSTRUCTIONS FOR THE ASHFORD KIWI 3 SPINNING WHEEL

Before commencing, please read the instructions completely, identify the parts and note the assembly sequence. Remove any sharp corners or edges and smooth the surface of the wood with the sand paper provided.

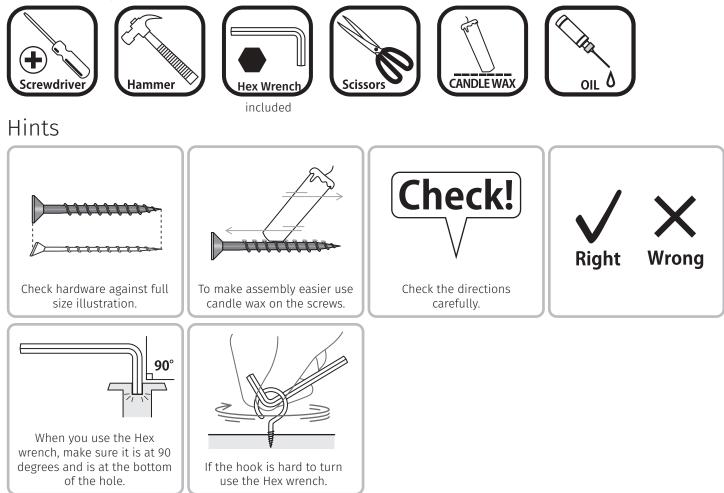
#### Timber

We recommend that the wood surfaces be waxed or sealed before assembly. This protects the kiln dried wood from climatic changes and prevents it getting dirty or stained. The Beech timber has a lovely variety of colour and grain. For a silky smooth matt finish, use the Ashford Finishing Wax Polish to enhance the natural colours and character of this timber.

## Tools Required

#### MDF

The Kiwi3 wheel is made from timber veneered, New Zealand manufactured, MDF (Medium Density Fibre board). MDF is an engineered wood-based product made by bonding wood fibres with a synthetic resin adhesive. This resin has been known, in very rare cases, to cause irritation if dust is inhaled or comes in contact with the skin. We recommend wiping away any dust with a moist rag and then sealing the surfaces with a 3 coat application of wax or polyurethane. MDF is an extremely versatile material that can be machined and finished to a high standard and has been used to make furniture for over 50 years. The Kiwi 3 Spinning Wheel is also available factory finished in clear lacquer.



## More Information



#### How-to videos on You Tube Watch our how-to videos on You Tube. @AshfordNZ

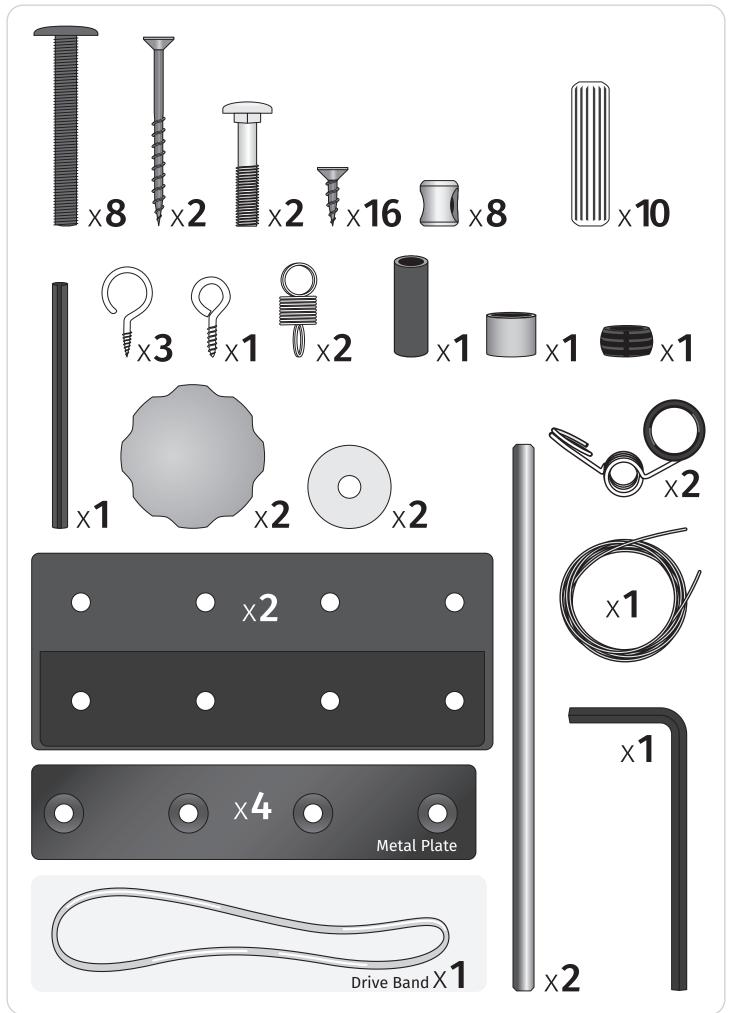


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Real Scale Hardware List



Thread 2 hooks into the flyer base. Squeeze and slide the yarn guides onto the flyer arms.

Apply a drop of oil to the flyer shaft and slide the bobbin on. Ashford spinning wheel oil is ideal for this purpose.

Partially locate the whorl onto the flyer shaft and rotate the whorl until the flat on the flyer shaft aligns with the flat in the whorl. Then push the whorl on.

> Caution: Do not twist the whorl, only slide the whorl on or off.

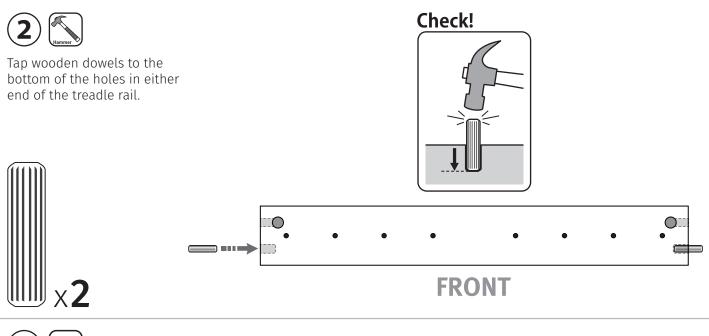
whorl on or off. If it is tight apply a drop of oil to the end of the flyer shaft.

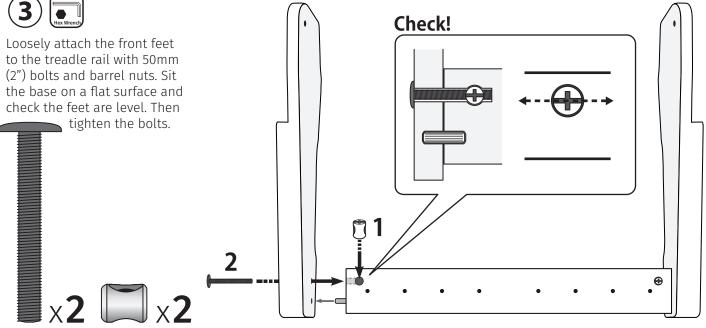
 ${ imes 2}$  To change the bobbin, grip the whorl with one hand and the flyer with the other and pull the whorl directly off.

Check!

Check!

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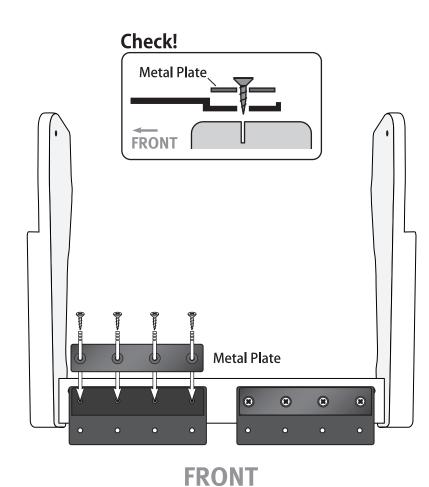






Remove the protective film and locate the metal cover plates into the polyurethane hinges. Then attach the hinges to the treadle rail with 16mm (5%") screws.

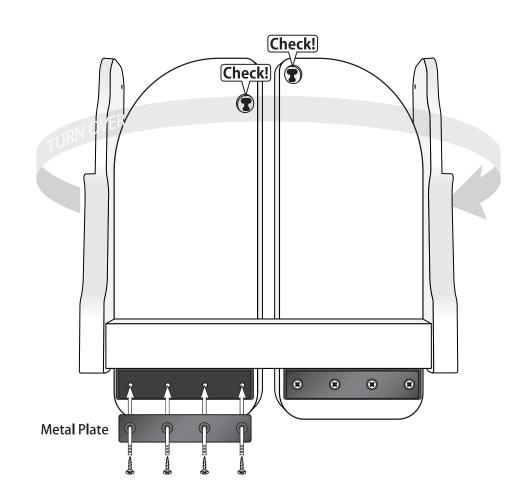


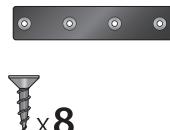


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Lay the base on its back. Remove the protective film and locate the metal cover plates into the polyurethane hinges. Then attach the treadle boards to the hinges with 16mm (5⁄8") screws.

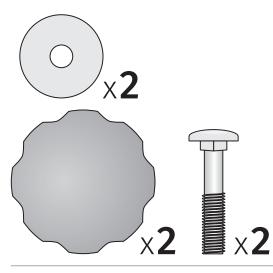


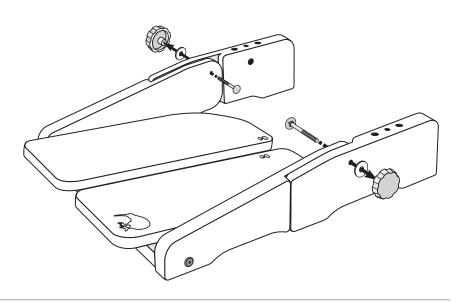


x**8** 



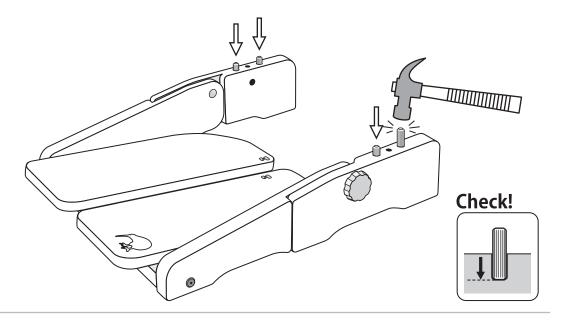
Attach the back feet to the front feet with 30mm (11/4") bolts, washers and knobs.







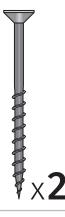
Tap wooden dowels down to the bottom of the holes in the back feet.

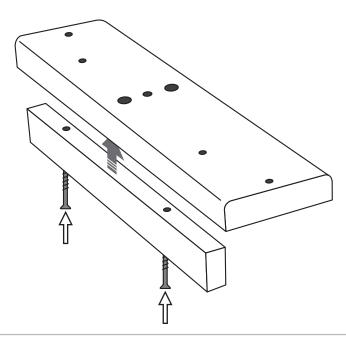


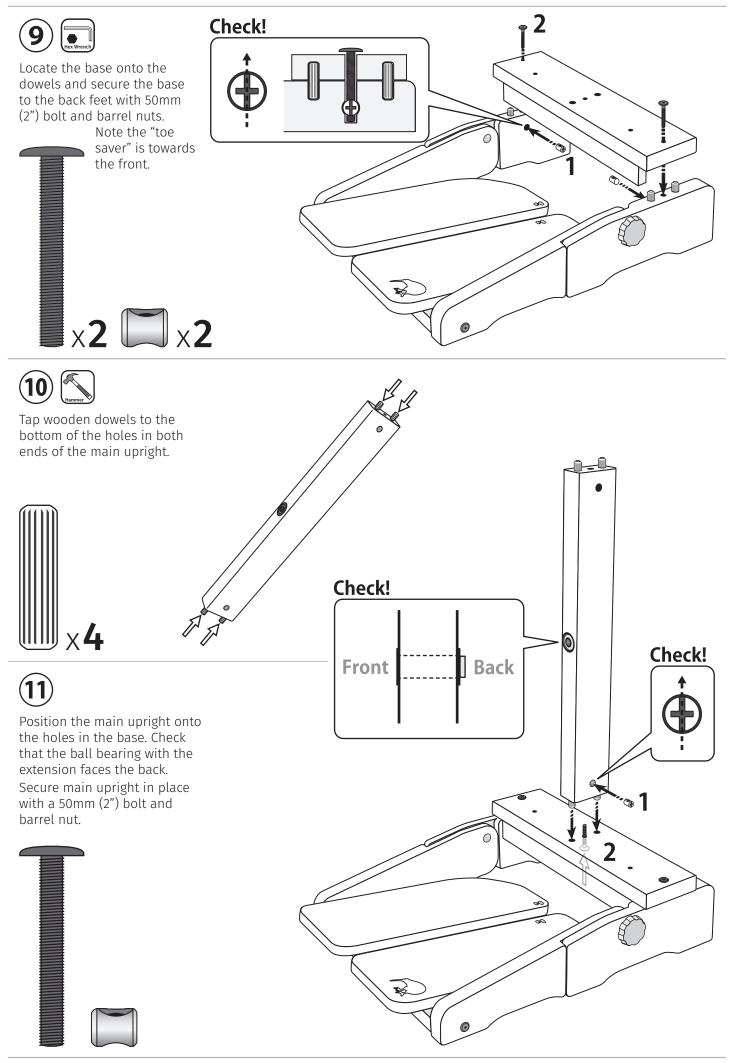




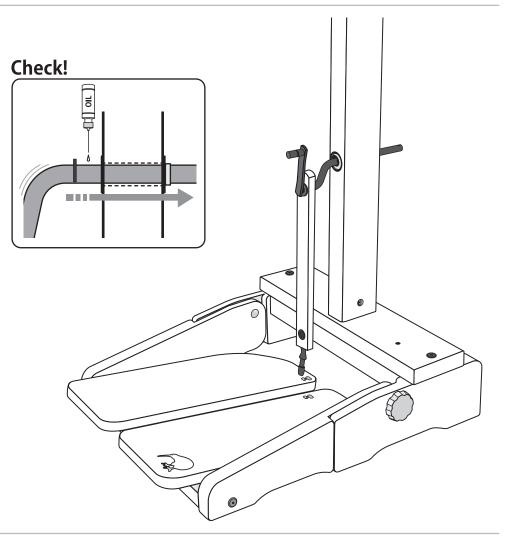
Attach the "toe saver" to the base with 50mm (2") screws.

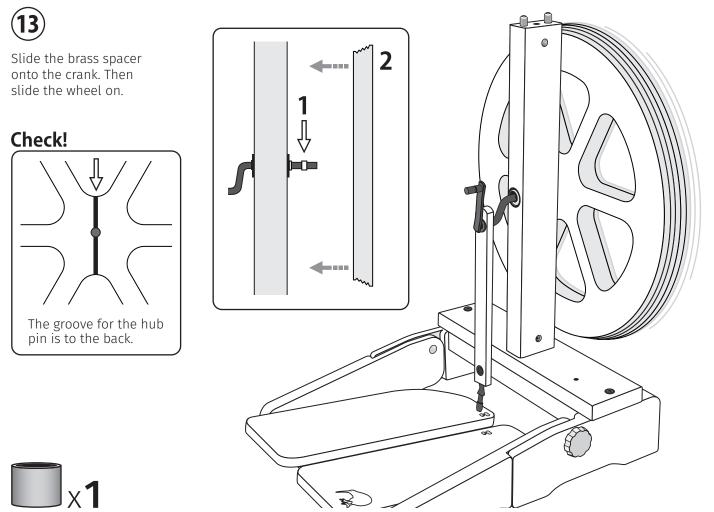








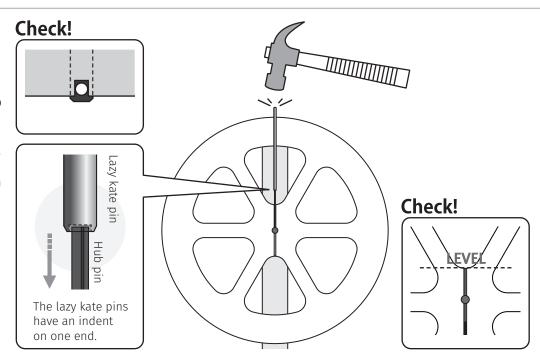






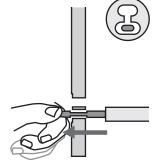
Align the groove in the wheel with the hole in

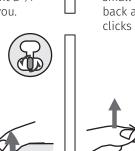
crank. Locate the hub pin into the groove and tap partially into the hole in the crank. Place the indented end of a lazy kate pin over the hub pin and carefully tap until level with the wheel.

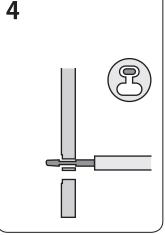


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**Check!** Lay the wheel on it's back. (protect your table with a towel or piece of cardboard) Insert the *front* conrod joint into the *right* treadle board. Then repeat this sequence for the *rear* conrod and the left treadle board. NOTE: It easier to insert the rear conrod joint into the treadle board when the treadle board is at the lowest point - turn the Front wheel until the rear conrod is in the lowest position. Rear **\_**\_\_\_\_ 0  $\circ$ 2 1 Hold the conrod With both hands turn 3 Slide it up into the joint with one hand the conrod joint a 1/4 small slot and turn it on either side of the turn towards you. back a ¼ turn until it treadle board. clicks into place.







Note that the rear conrod

front conrod attaches to the right treadle board.

attaches to the left treadle board and the

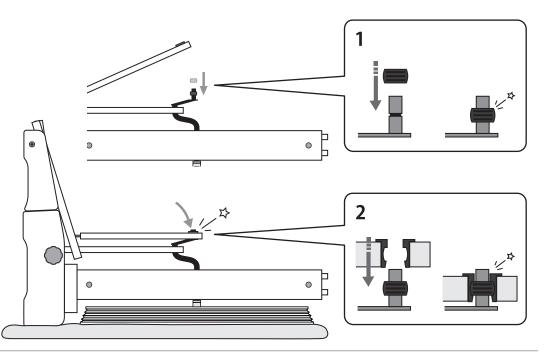
REAR

FRONT



Slide the inner shell of the conrod universal joint onto the front crank until it clicks into the groove. Apply a drop of oil to the inner shell.

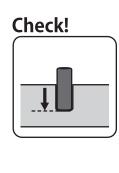
Then click the front conrod onto the universal joint on the crank.

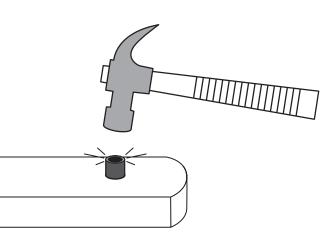




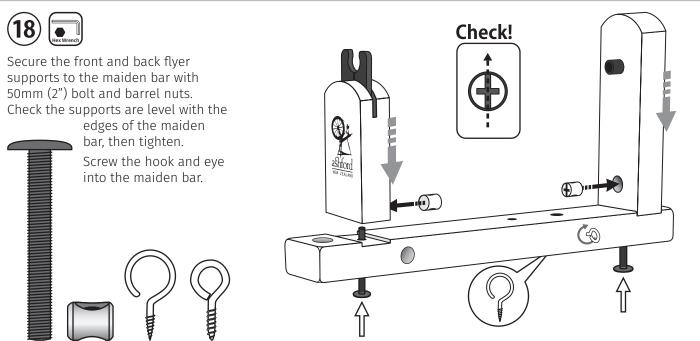


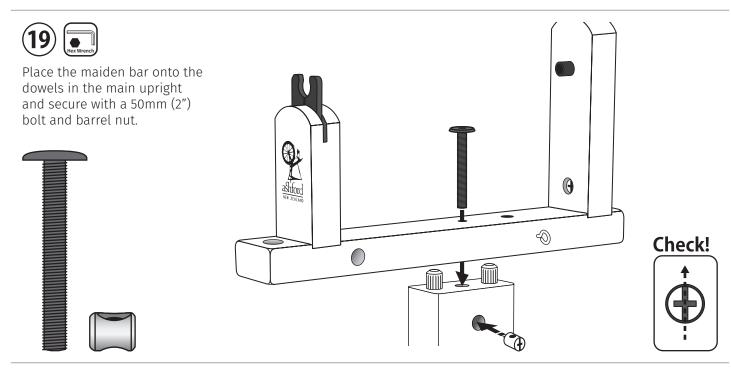
Tap the nylon bearing down to the bottom of the hole in the rear flyer support.













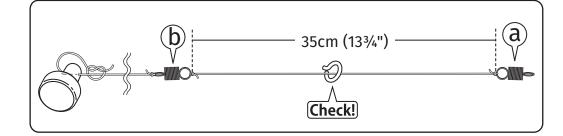
Insert the end of the flyer shaft into the rear flyer bearing and click the flyer orifice into the front flyer bearing.

Tie the nylon brake band to spring (a). Thread the nylon brake band through the eye and tie spring (b) 35cm (13<sup>3</sup>/4") from spring (a), then cut the surplus nylon off and tie it to the other end of spring (b).

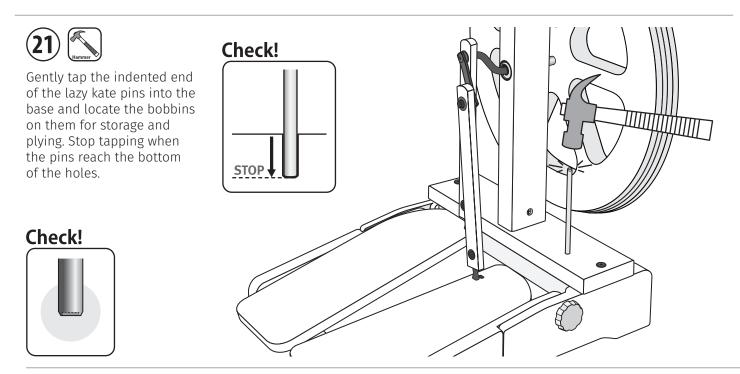
Take the nylon brake band up and over the groove in the bobbin and place spring (a) onto the hook. Insert the tension knob into the maiden bar, thread the end of the nylon brake band through the hole in the tension knob and tie a knot. Turn the tension knob to wind on excess nylon. Take care not to over-stretch the springs.

x2

**Check!** 

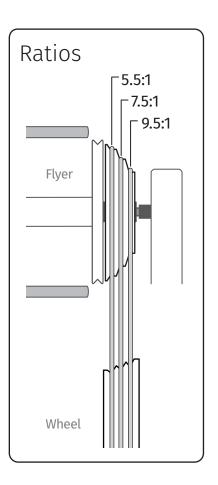


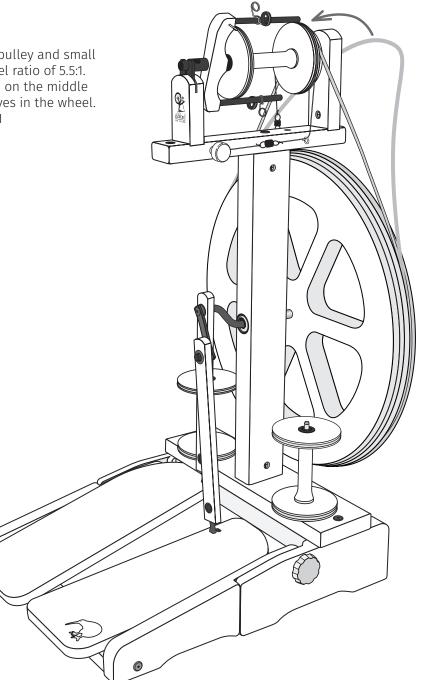
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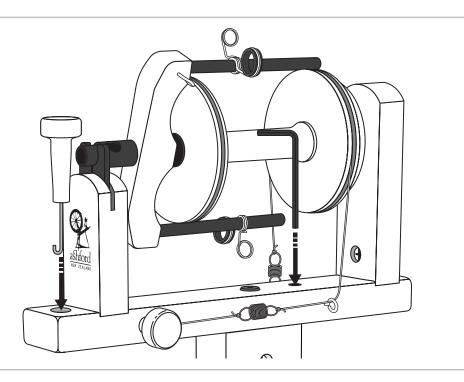
Locate the drive band around the large flyer pulley and small groove in the wheel. This gives a flyer to wheel ratio of 5.5:1. For higher flyer speeds, locate the drive band on the middle or small flyer pulley and corresponding grooves in the wheel. These give flyer to wheel ratios of 7.5 and 9.5:1



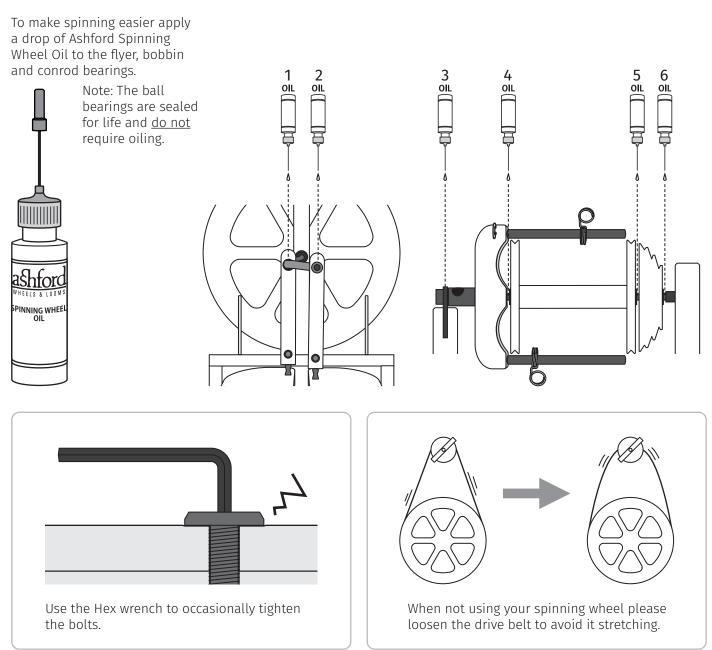


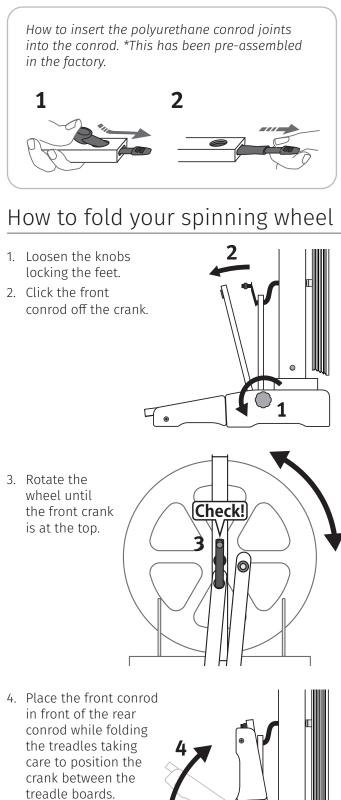


Locate the threading hook and Hex wrench into the holes in the maiden bar.

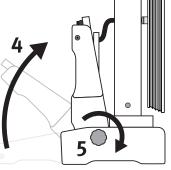


## Maintenance

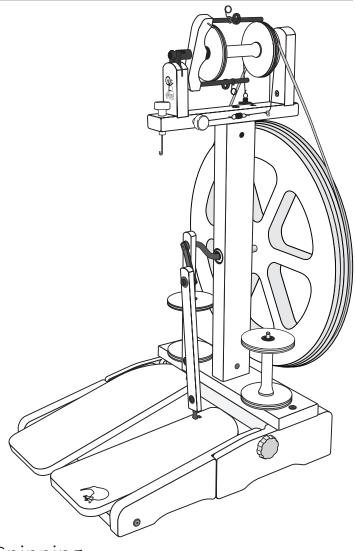




5. Then tighten the knobs to lock in the upright position.

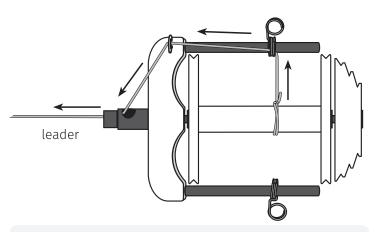


Carry your Kiwi 3 either by the main upright, wheel or maiden bar.



## Spinning

Before you begin spinning you need to tie a piece of yarn called a leader, approx. 1.5m (5') long, on to the bobbin. Thread it through the yarn guide, around the flyer hook on the left-hand side of the flyer and out through the orifice.



\* For further spinning and plying information refer to "The Ashford Book of Hand Spinning" by Jo Reeve, a 116 page book full of ideas and inspirations for spinners or visit our website www.ashford.co.nz



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