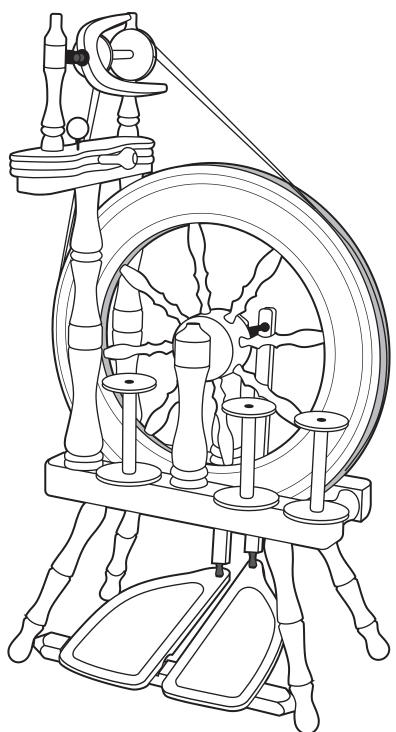


TRAVELLER SPINNING WHEEL DOUBLE DRIVE



TVDTD151019V13

Ashford Handicrafts Limited

Factory and Showroom: 415 West Street PO Box 474, Ashburton 7700 New Zealand Telephone 64 3 308 9087 Facsimile 64 3 308 8664 Email: sales@ashford.co.nz Internet: www.ashford.co.nz

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ASSEMBLY INSTRUCTIONS FOR THE ASHFORD TRAVELLER SPINNING WHEEL -Double Drive-

Before commencing, please read these 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. We recommend that the wood surfaces be waxed or sealed before assembly. This protects the kiln dried wood from the climatic changes and prevents it getting dirty or stained. The Silver Beech tree is a native of New Zealand and has a lovely variety

of colour and grain. For a silky smooth matt finish, use the Ashford Wax Finish to enhance the natural colours and character of this timber.

If you are assembling your spinning wheel on a table, we recommend you protect the surface with a towel, blanket or cardboard. Ashford spinning wheels are also available factory finished in clear lacquer.

Tools Required



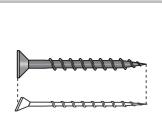




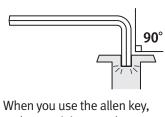
Allen Key



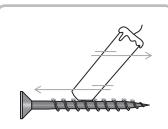




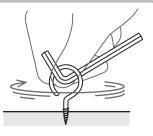
Check hardware against full size illustration.



make sure it is at 90 degrees and is at the bottom of the hole.



To make assembly easier use candle wax on the screws.

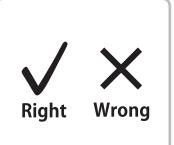


If the hook is hard to turn use the allen key.



CANDLE WAX

Check the directions carefully.



OIL

More Information



How-to videos on You Tube

Watch our how-to videos on You Tube. www.youtube.com/user/AshfordHandicrafts



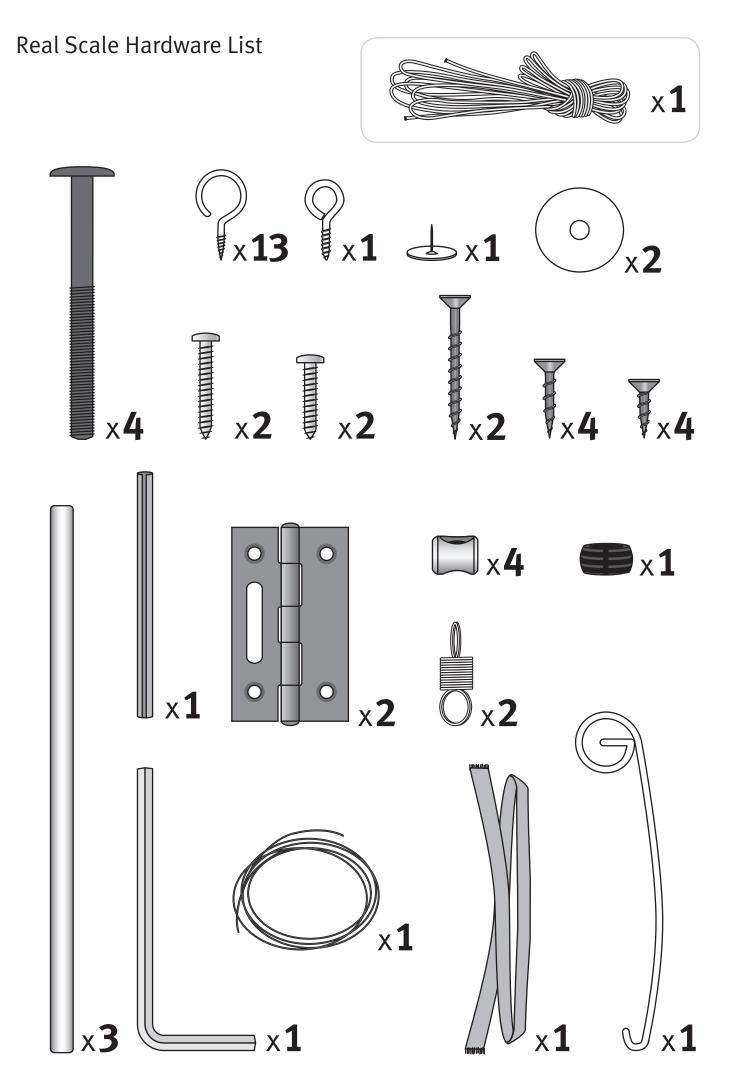
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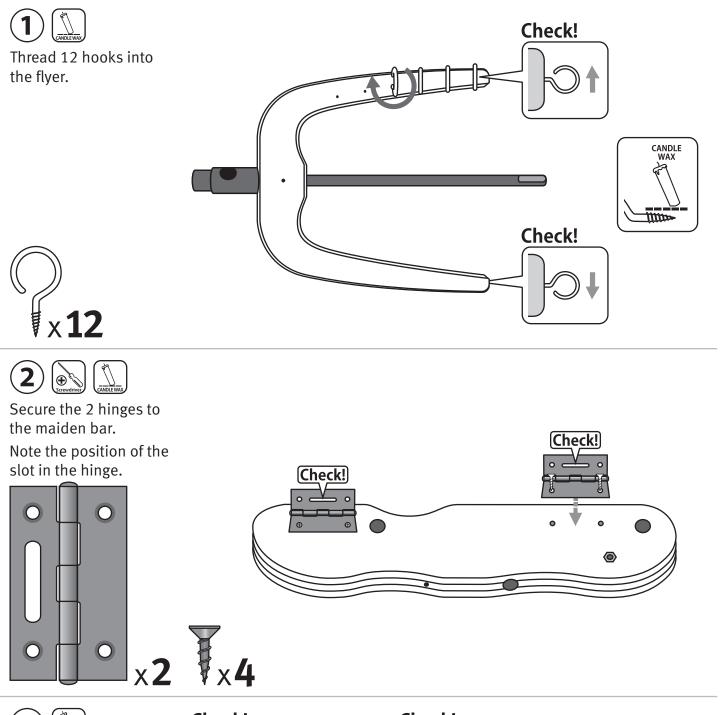
www.facebook.com/ashford.wheels.looms



The Wheel Magazine

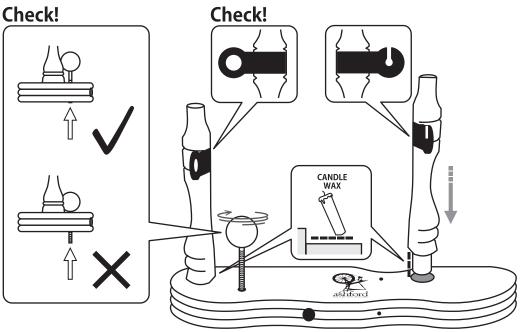
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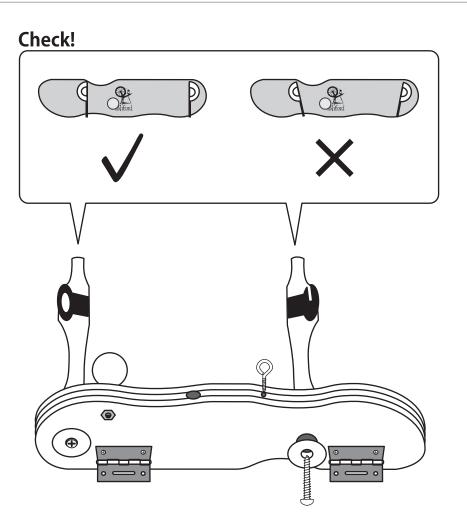


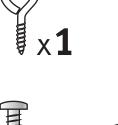
Assemble the flyer unit. Check the shape of the nylon bearing on each maid upright, then insert into the correct hole. Insert the drive belt adjusting knob into the maiden bar, turn until the end just protrudes.



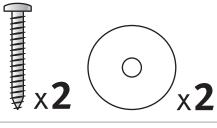


Check the angle of nylon bearings and then secure the maid uprights with screws and washers. Do not overtighten. The maid uprights may be twisted to remove the bobbin. Thread the screw eye into the side of the maiden bar.

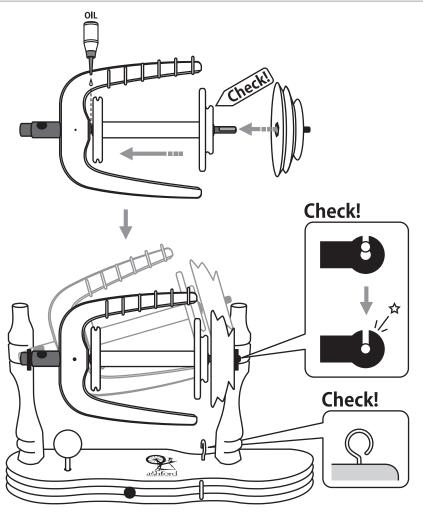




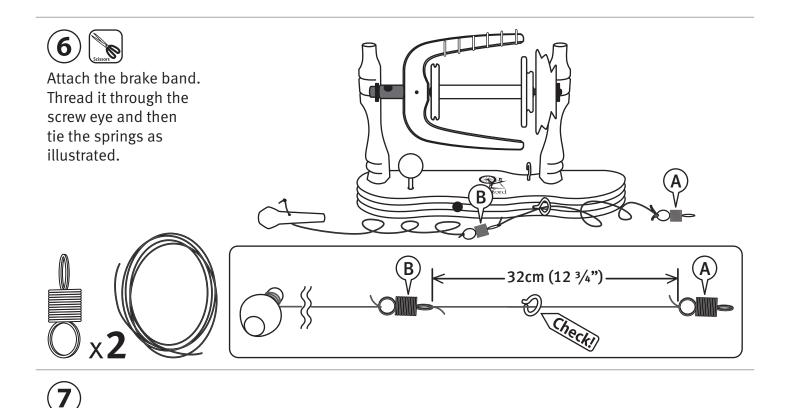
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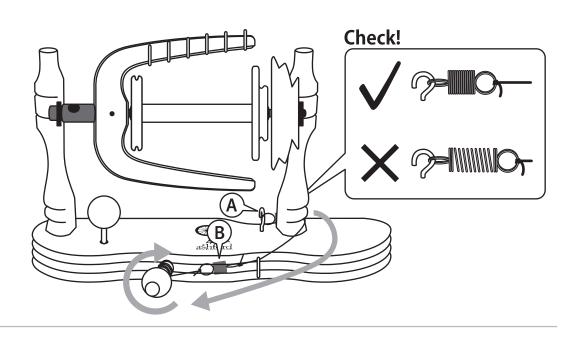
Slide a bobbin onto the flyer followed by the whorl. Then locate the flyer into the bearings. Thread the screw hook into the top.







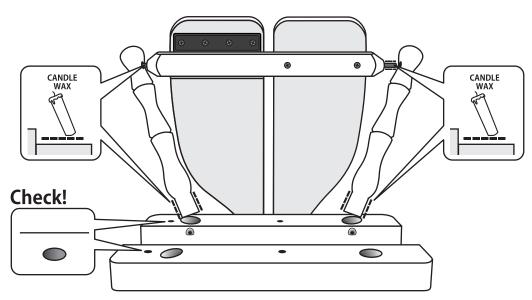
Use the brake band option when you spin with scotch tension. Otherwise store it as illustrated.

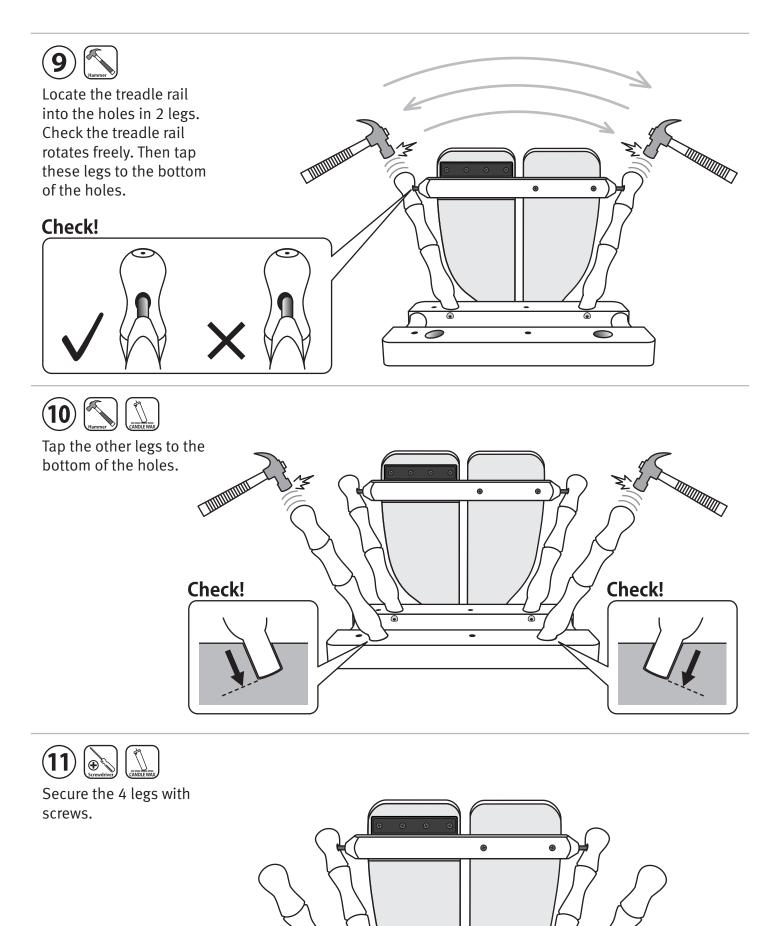




Check the holes in the base for the maiden bar supports are on the left hand side.

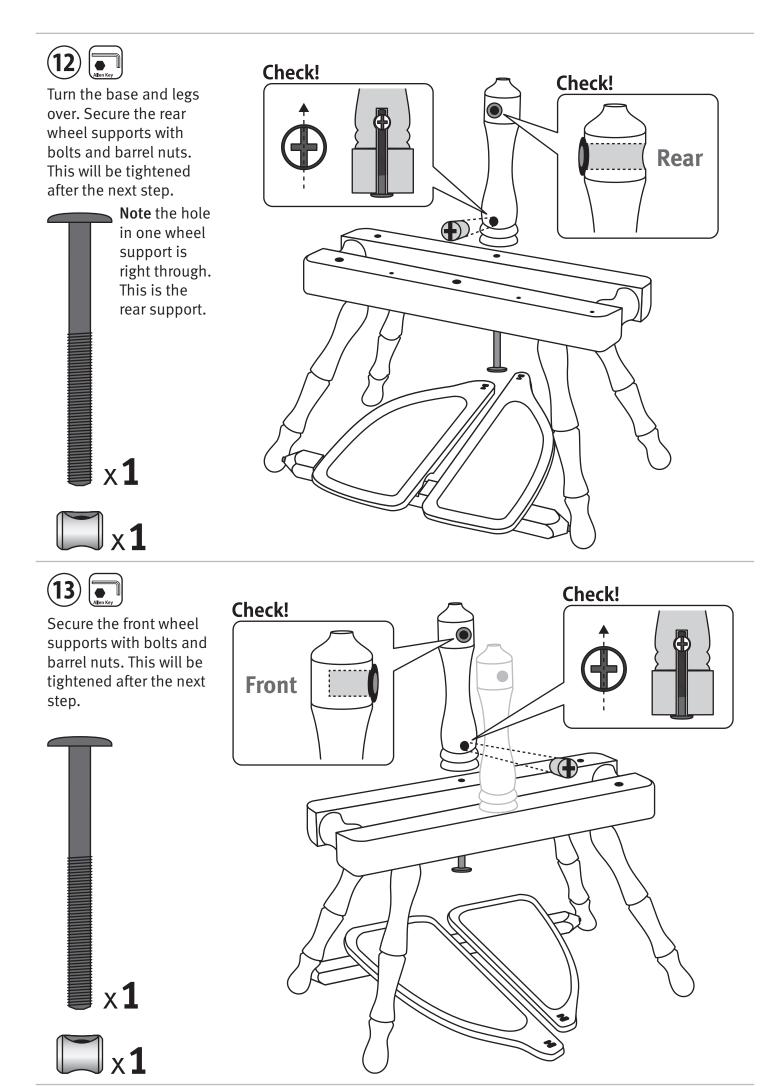
Wax the steel rods in the treadle rail.

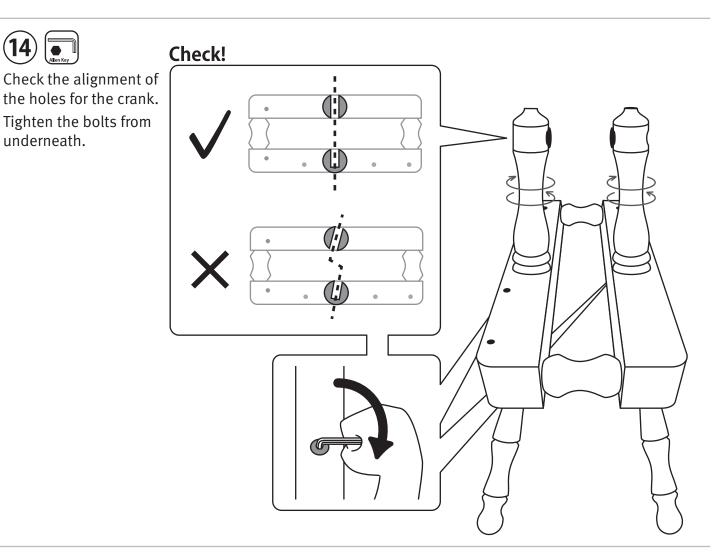






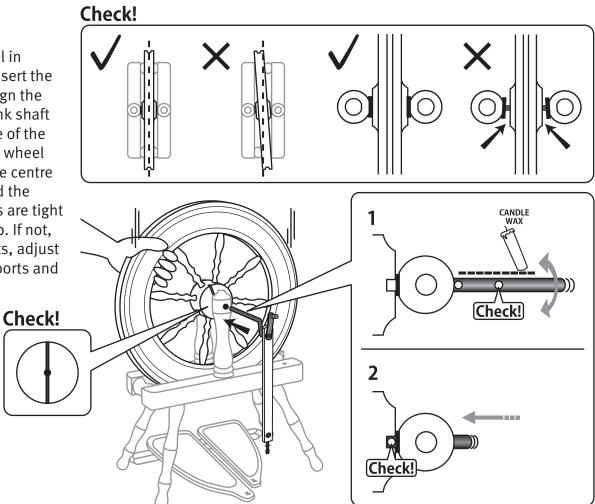
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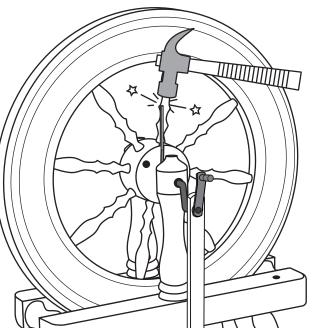
Place the wheel in position and insert the crank shaft. Align the hole in the crank shaft with the groove of the hub. Check the wheel is parallel in the centre of the base and the wheel supports are tight against the hub. If not, loosen the bolts, adjust the wheel supports and retighten.

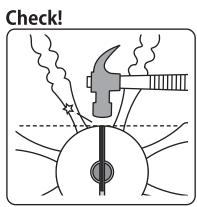




Rotate the hub pin until it is a firm fit in the slot in the hub. Then tap

the hub pin through the hub and crank. *Hint:* Use a Lazy Kate pin as a punch to avoid damaging the hub.





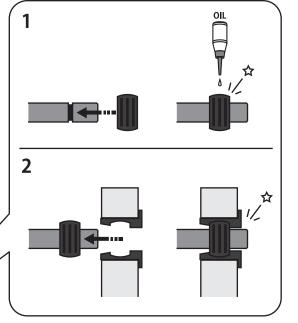
x**1**

) _X1

(17

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.

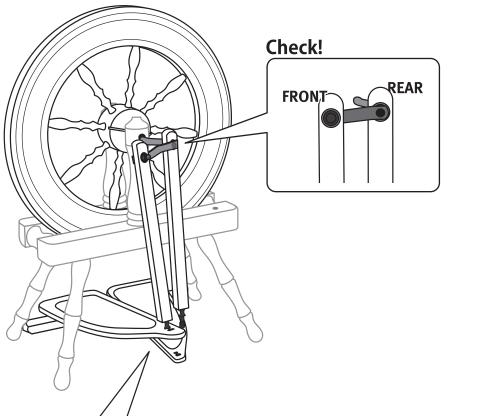
Note: The ball bearings are sealed for life and <u>do not</u> require oiling.

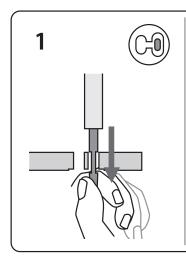


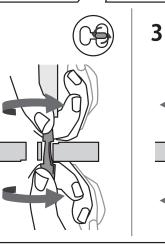
18

Insert the front conrod into the large slot in left hand treadle board.

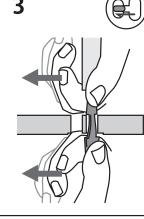
- 1. Hold the conrod joint with one hand on either side of the treadle board.
- 2.With both hands, turn the conrod joint a ¹/₄ turn.
- 3. Stretch and slide it into the small slot and turn it back a 1⁄4 turn until it clicks into place.
- **4.**Repeat the sequence for the rear conrod and the right treadle board.

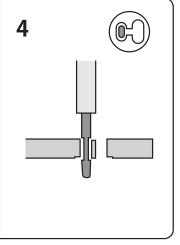


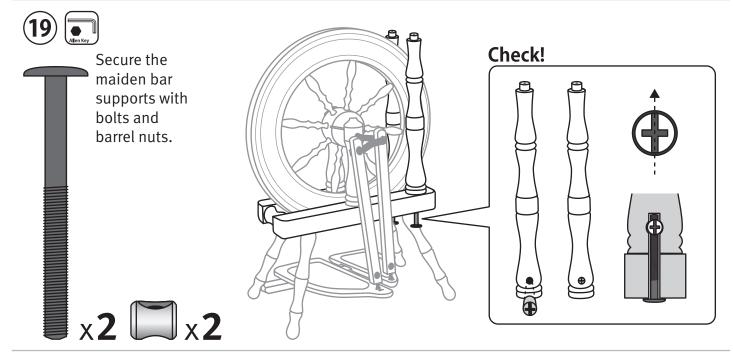




2

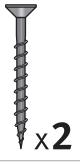








Secure the top rail to the maiden bar supports with 2 screws.



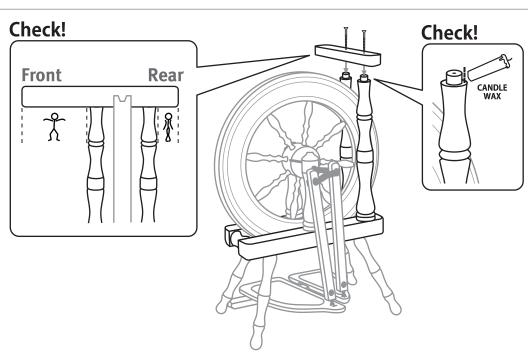


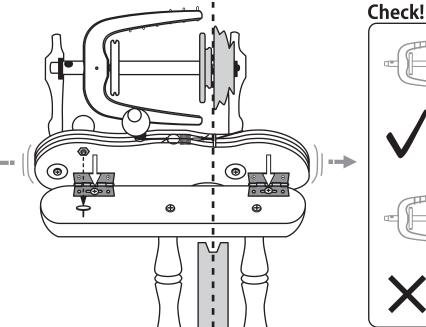
Secure the flyer unit to the top rail with 2 screws. These will be tightened shortly. Move the flyer unit until the wheel and flyer are aligned as pictured. Then tighten the screws and position the drawing pin directly beneath the drive band adjusting knob

🗖 to prevent it marking

to prevent it marking the wood. $x^2 \rightarrow x^1$

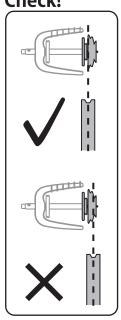
(22) Tie the threading hook to the front maid upright with tape.





OIL

12



OIL

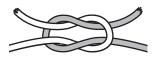
OIL



Check the end of the adjusting knob is not protruding beneath the maiden bar. Then wrap the drive belt around the wheel, around the large flyer pulley, back around the wheel and around the small bobbin pulley.



Tie drive belt and cut off the extra.



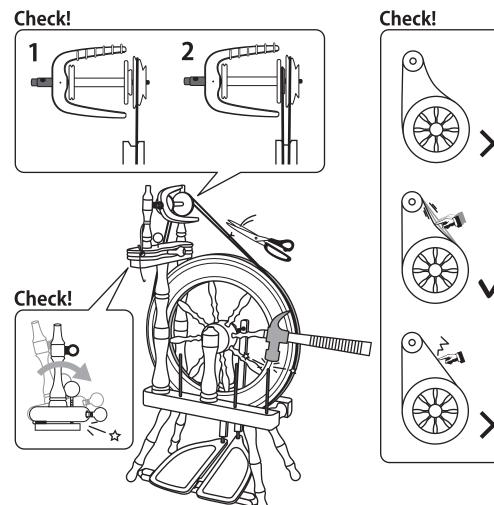
Tap the steel lazy kate pins into the base.

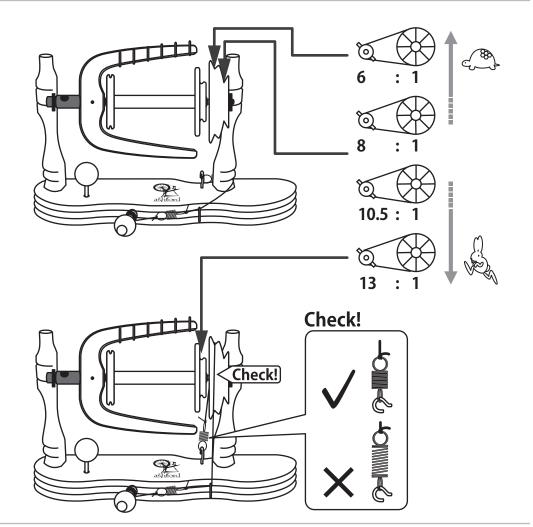


Ratios:

You may find it easier to spin a finer yarn if your flyer rotates faster. To change ratio simply move the drive belt to a smaller flyer pulley and retension the drive belt.

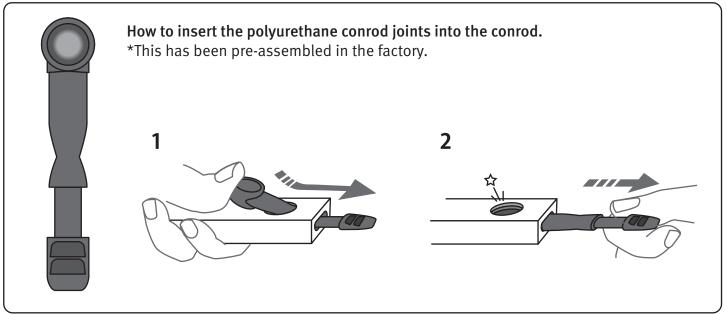
To achieve 14:1, wrap the brake band over the flyer pulley and the drive belt around the bobbin pulley. This is called "bobbin lead".



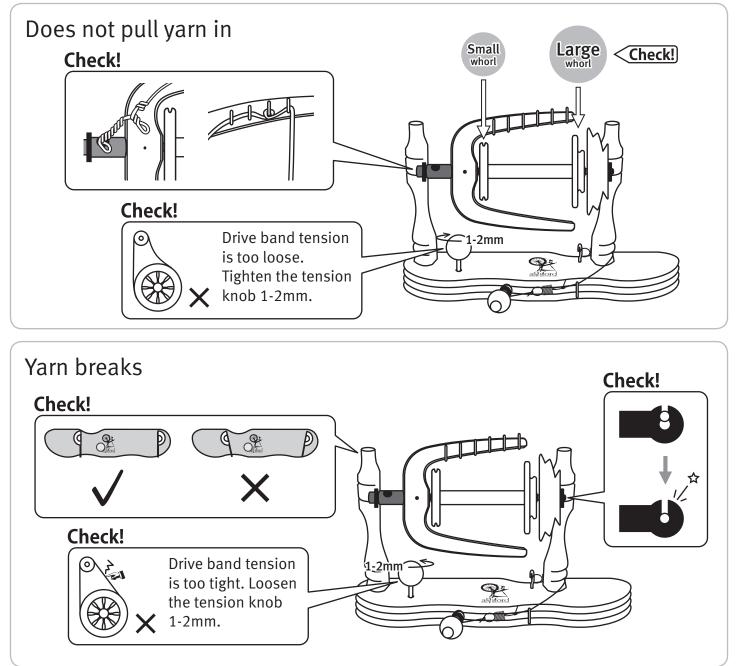


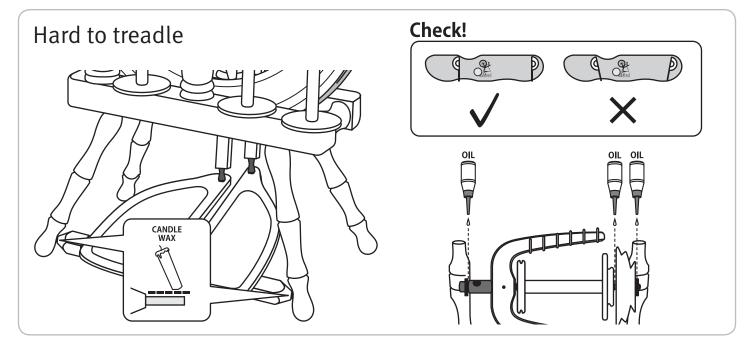
(25) P1 Oil all points on the Spinning Wheel before use as illustrated. OIL OIL OIL Ŷ OIL OIL CANDLE WAX

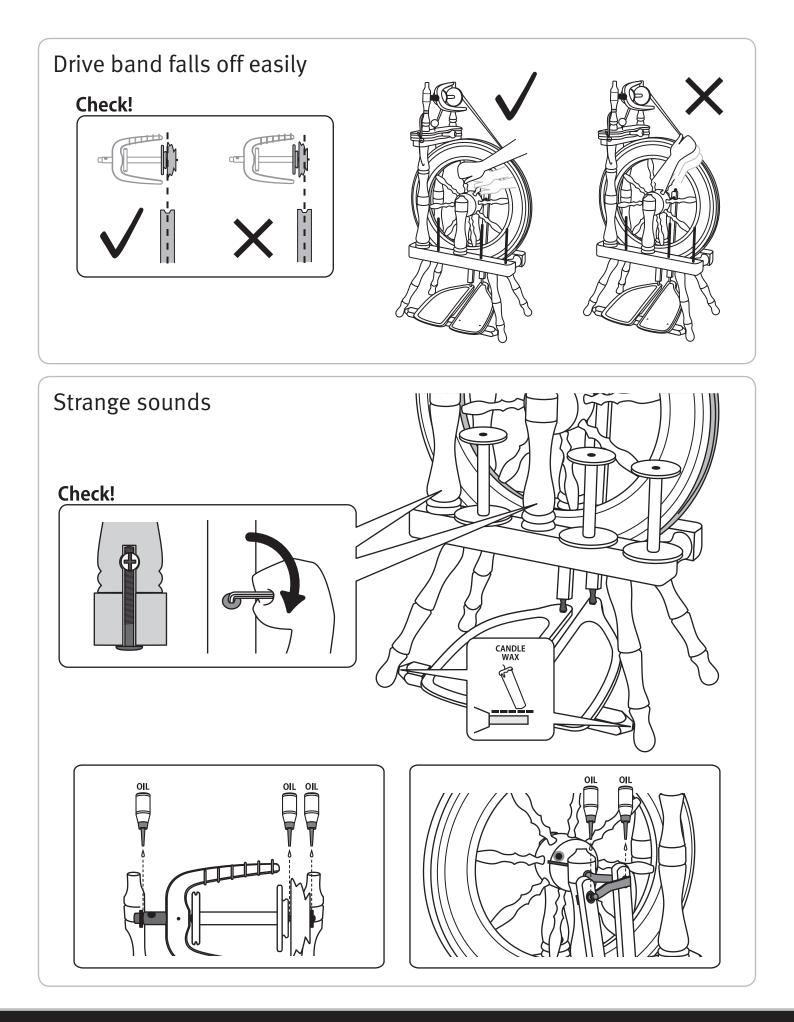
Memo



Solutions



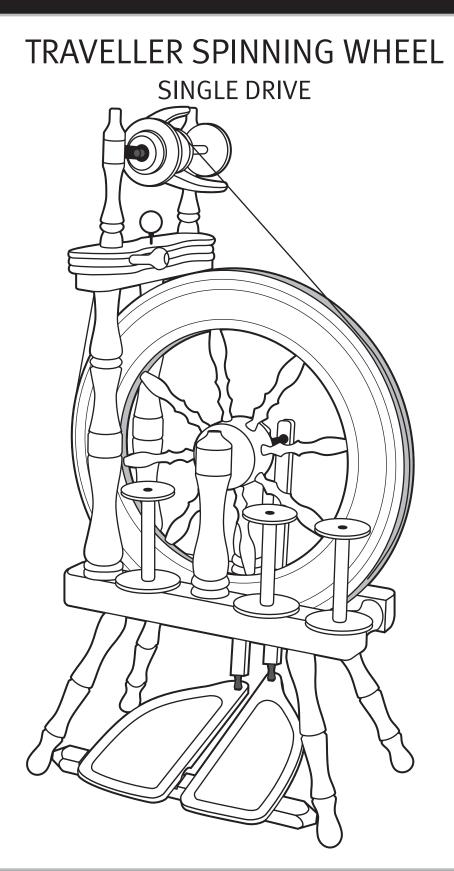






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TVDTS151019V12

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ASSEMBLY INSTRUCTIONS FOR THE ASHFORD TRAVELLER SPINNING WHEEL -Single Drive-

Before commencing, please read these 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. We recommend that the wood surfaces be waxed or sealed before assembly. This protects the kiln dried wood from the climatic changes and prevents it getting dirty or stained. The Silver Beech tree is a native of New Zealand and has a lovely variety

of colour and grain. For a silky smooth matt finish, use the Ashford Wax Finish to enhance the natural colours and character of this timber.

If you are assembling your spinning wheel on a table, we recommend you protect the surface with a towel, blanket or cardboard. Ashford spinning wheels are also available factory finished in clear lacquer.

Tools Required





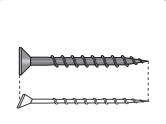


Allen Key

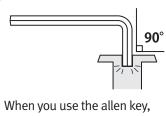




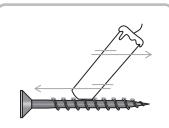
Hints



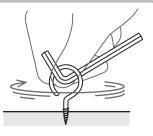
Check hardware against full size illustration.



make sure it is at 90 degrees and is at the bottom of the hole.



To make assembly easier use candle wax on the screws.

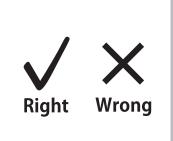


If the hook is hard to turn use the allen key.



CANDLE WA

Check the directions carefully.





The Wheel Magazine

Ashford's annual fibrecraft magazine. Spinning, weaving, felting, dyeing and knitting projects, patterns and articles from around the world. To receive the glossy version delivered to you, subscribe at: www.ashford.co.nz/subscribe

More Information



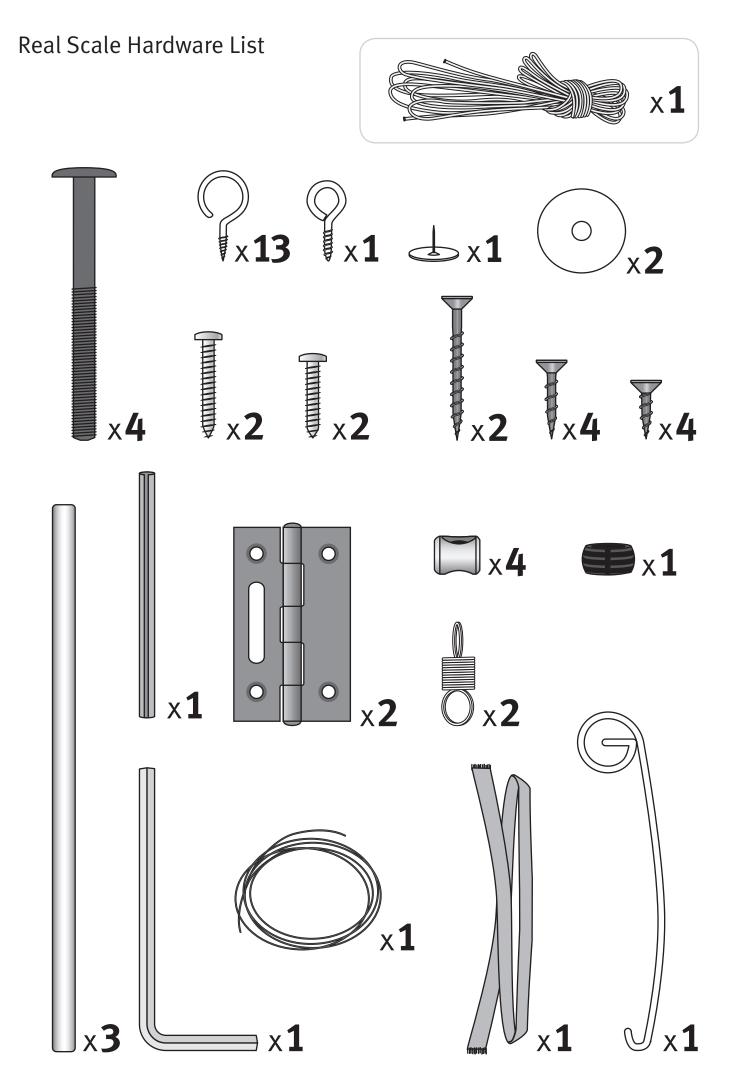
How-to videos on You Tube

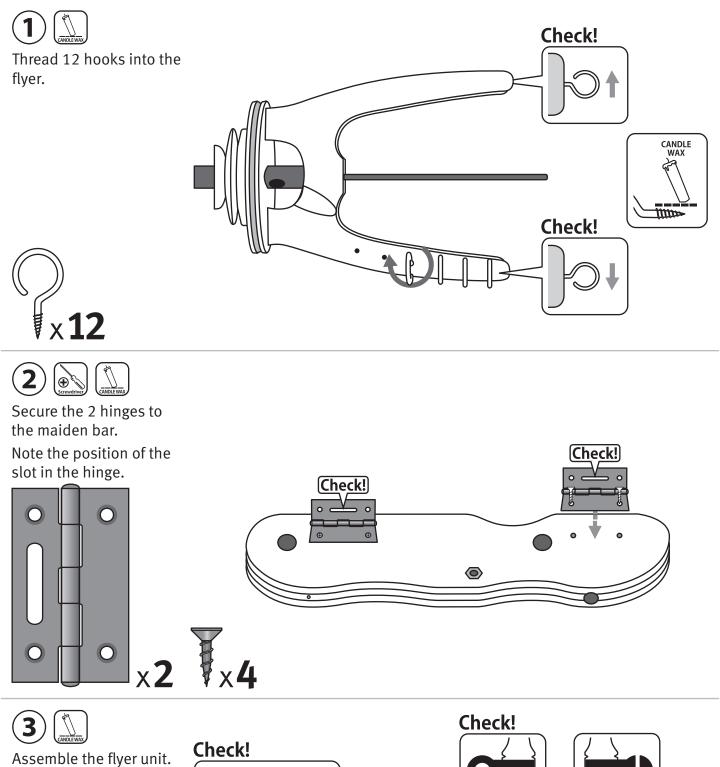
Watch our how-to videos on You Tube. www.youtube.com/user/AshfordHandicrafts



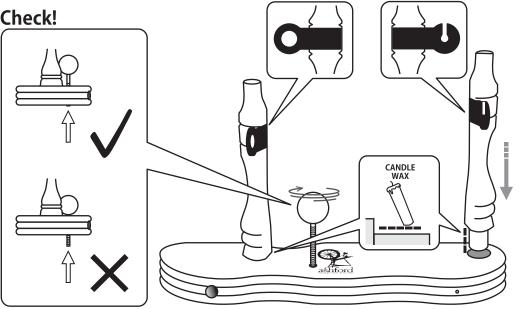
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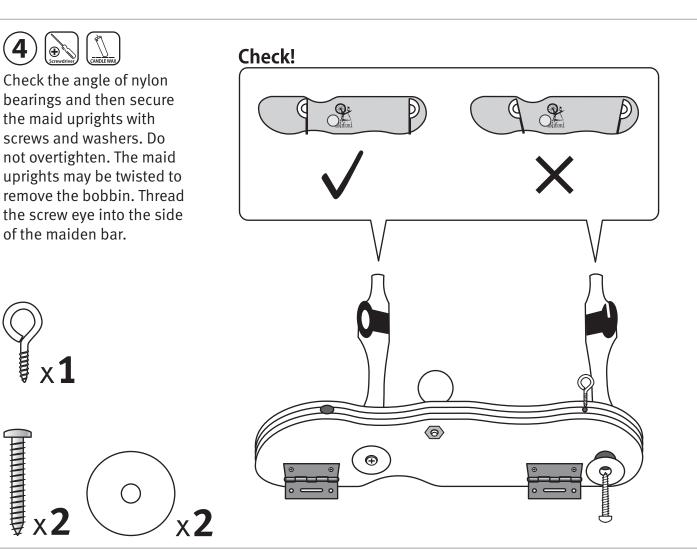
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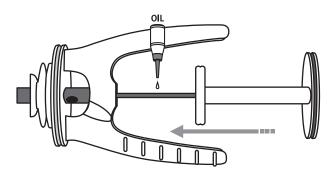
Assemble the flyer unit. Check the shape of the nylon bearing on each maid upright, then insert into the correct hole. Insert the drive belt adjusting knob into the maiden bar, turn until the end just protrudes.

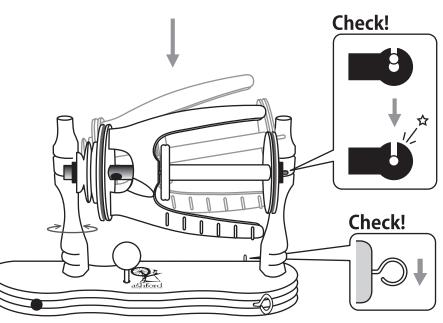




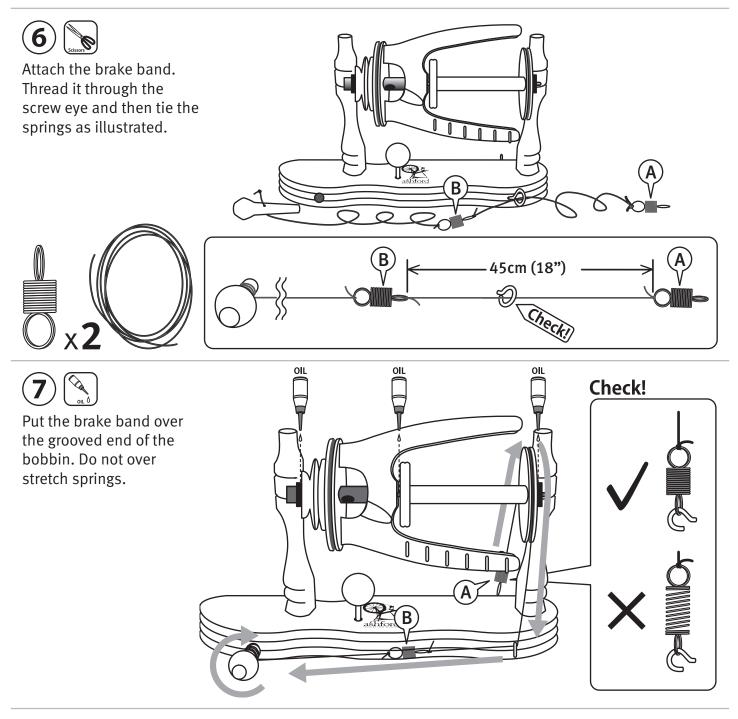


Slide a bobbin onto the flyer and the flyer into the bearings. Thread the screw hook into the opposite side.





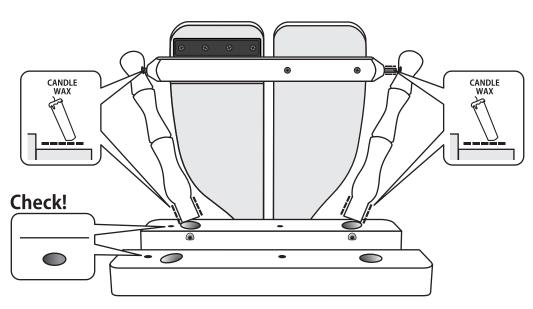


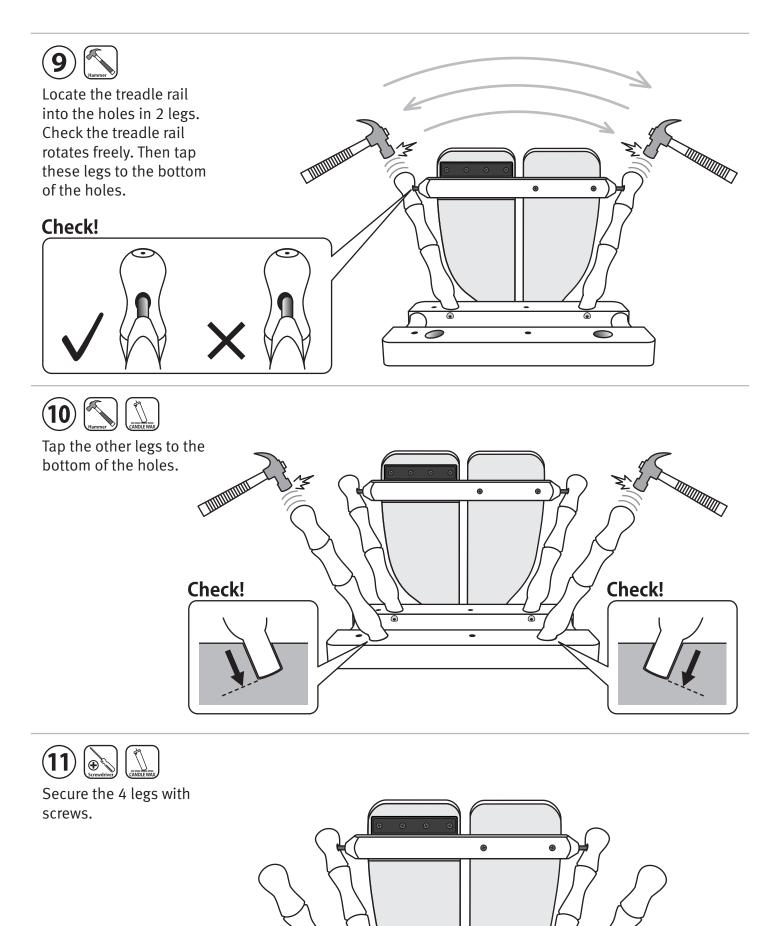




Check the holes in the base for the maiden bar supports are on the left hand side.

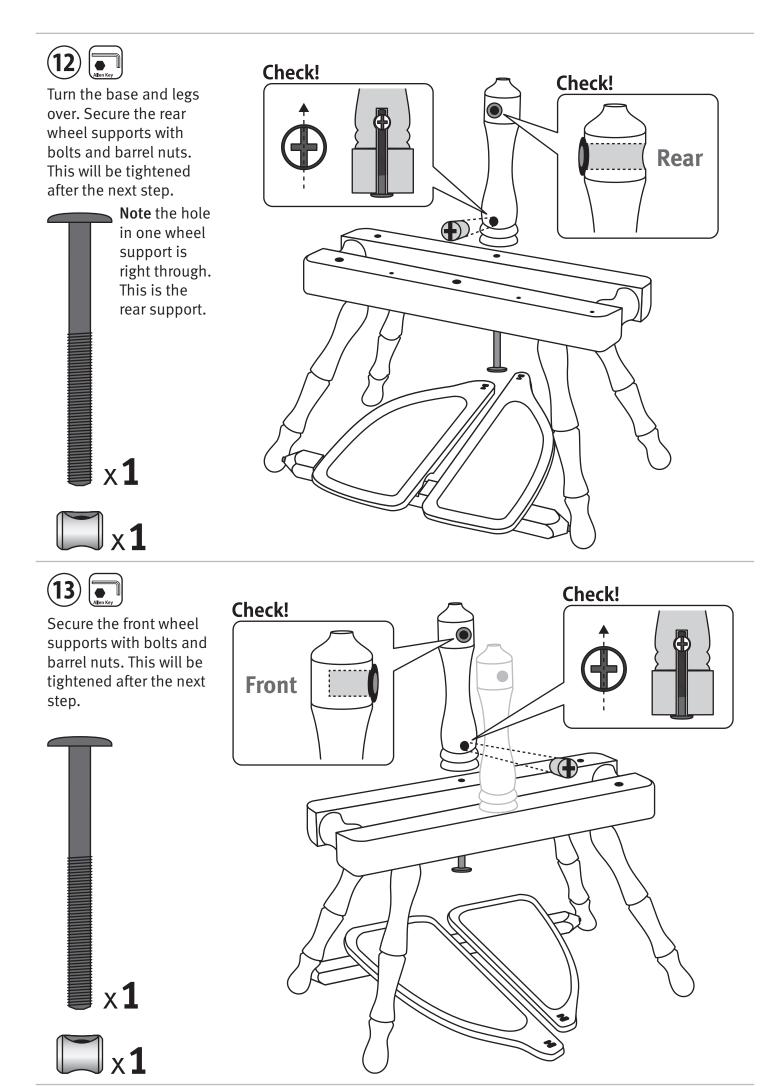
Wax the steel rods in the treadle rail.

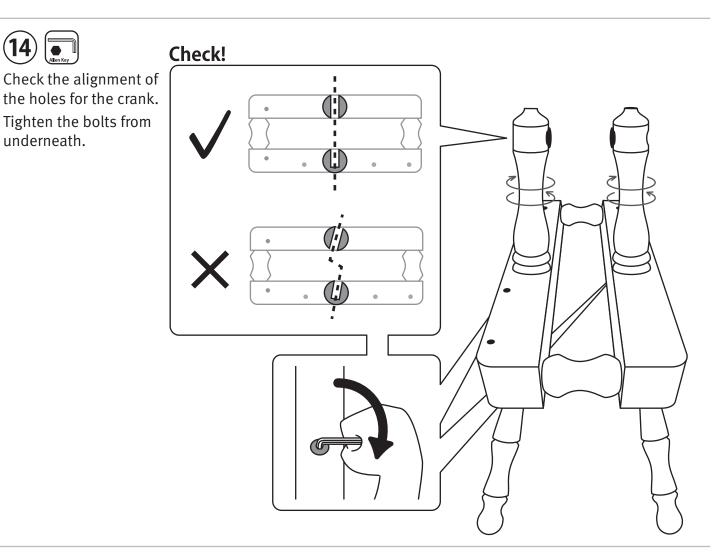






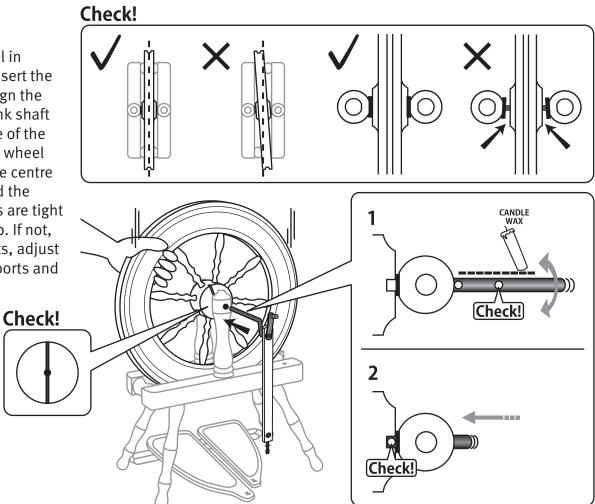
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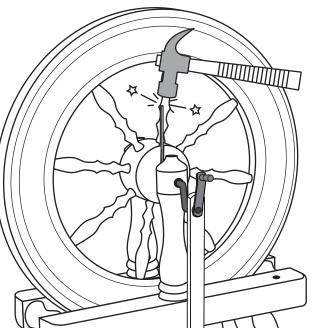
Place the wheel in position and insert the crank shaft. Align the hole in the crank shaft with the groove of the hub. Check the wheel is parallel in the centre of the base and the wheel supports are tight against the hub. If not, loosen the bolts, adjust the wheel supports and retighten.

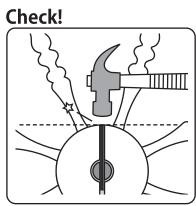




Rotate the hub pin until it is a firm fit in the slot in the hub. Then tap

the hub pin through the hub and crank. *Hint:* Use a Lazy Kate pin as a punch to avoid damaging the hub.



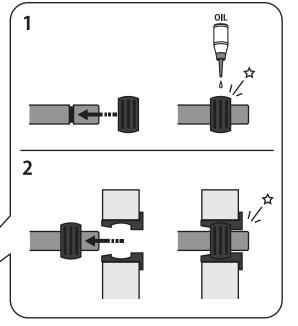


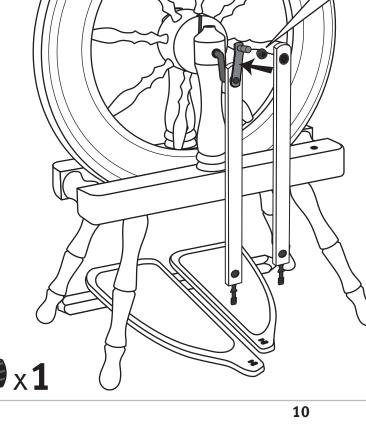
x**1**

(17

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.

Note: The ball bearings are sealed for life and <u>do not</u> require oiling.

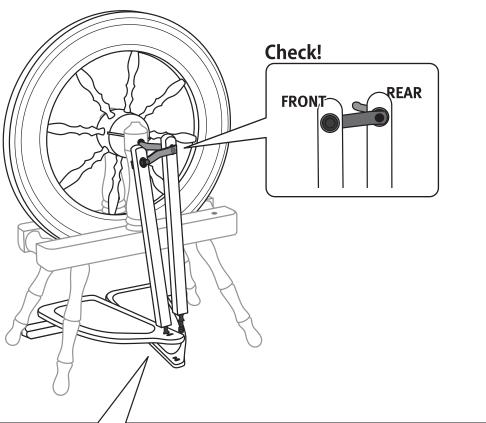


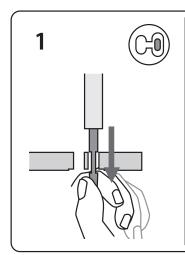


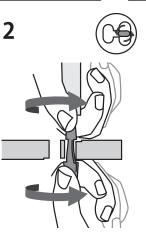
18

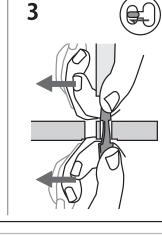
Insert the front conrod into the large slot in left hand treadle board.

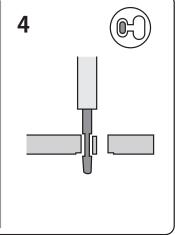
- 1. Hold the conrod joint with one hand on either side of the treadle board.
- 2. With both hands, turn the conrod joint a $\frac{1}{4}$ turn.
- **3.** Stretch and slide it into the small slot and turn it back a 1/4 turn until it clicks into place.
- **4.**Repeat the sequence for the rear conrod and the right treadle board.

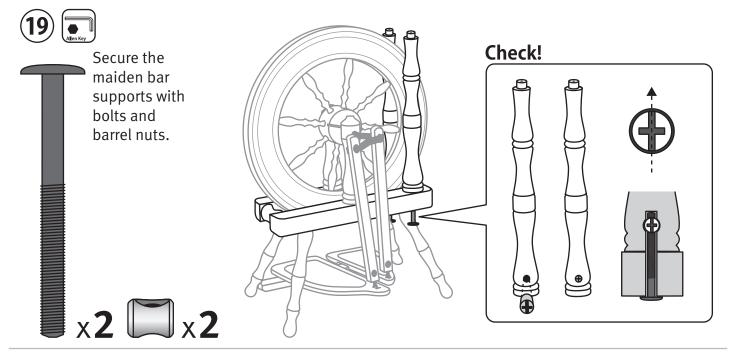


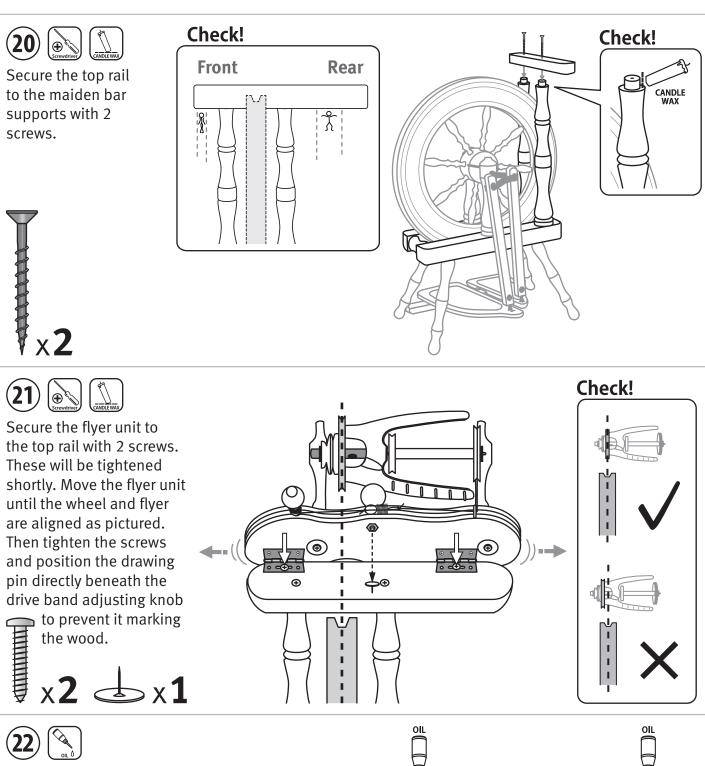




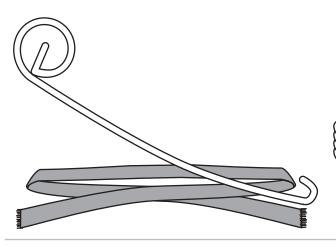


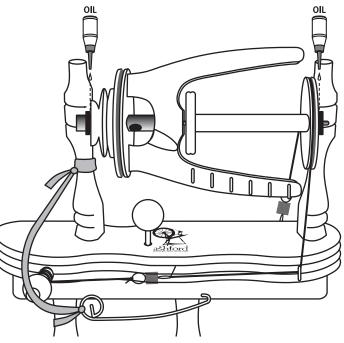






Tie the threading hook to the front maid upright with tape.





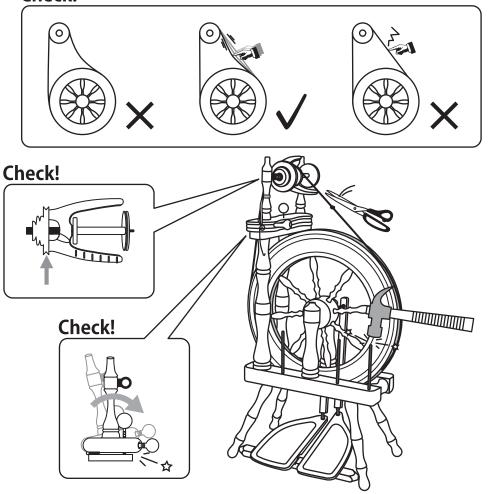


Check the end of the adjusting knob is not protruding beneath the maiden bar. Then place the drive belt around the wheel and large flyer pulley.



Tie drive belt and cut off the extra. Tap the steel lazy kate pins into the base.

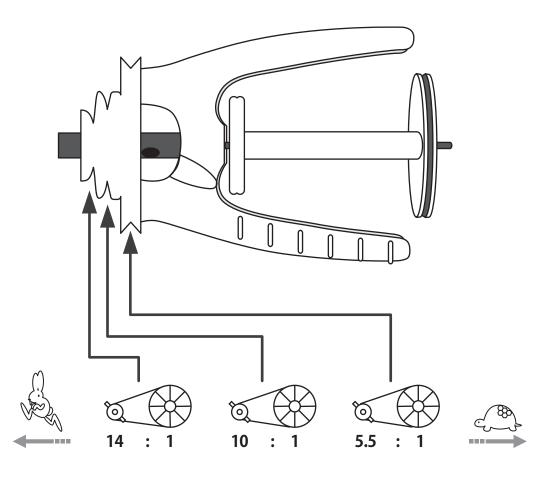
Check!

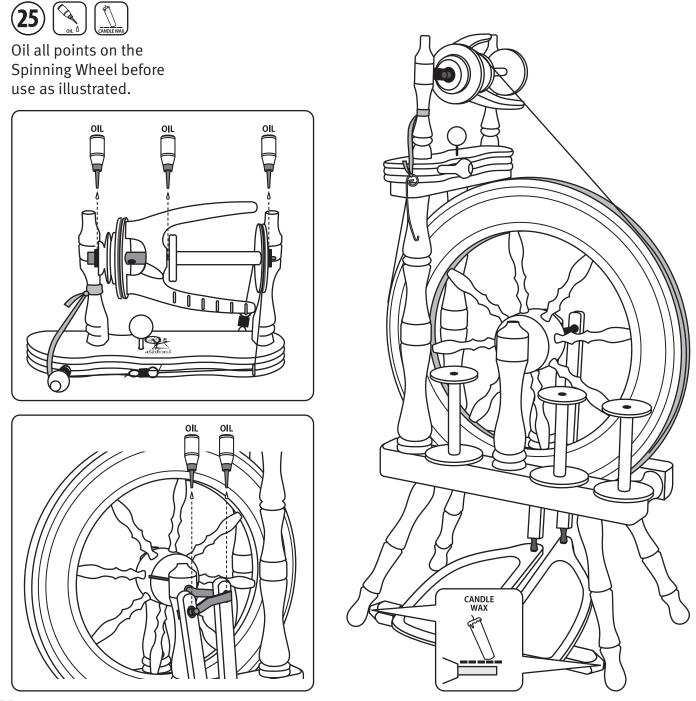




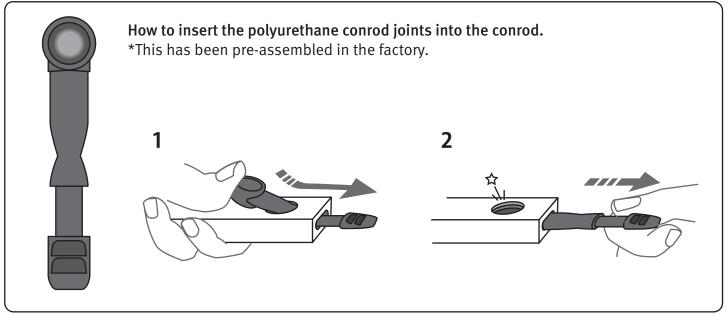
Ratios :

You may find it easier to spin a finer yarn if your flyer rotates faster. To change ratio simply move the drive belt to a smaller flyer pulley and retension the drive belt.

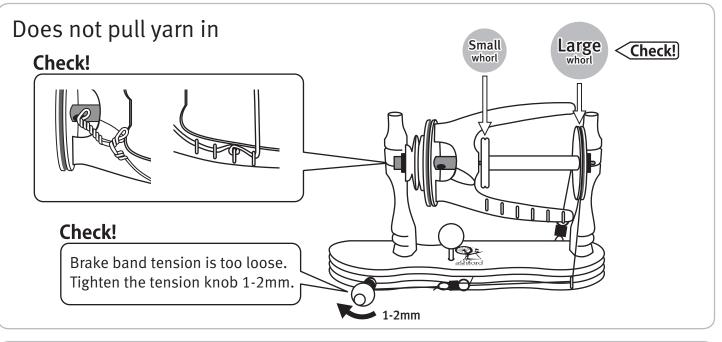




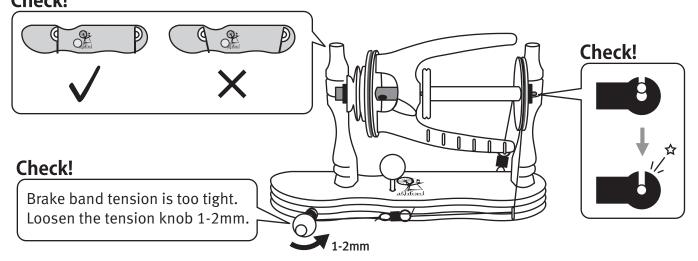
Memo

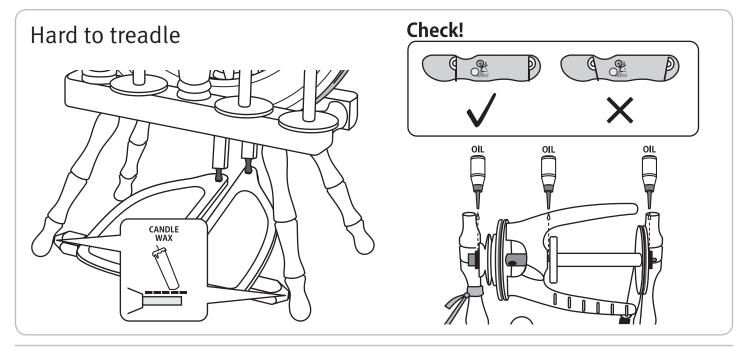


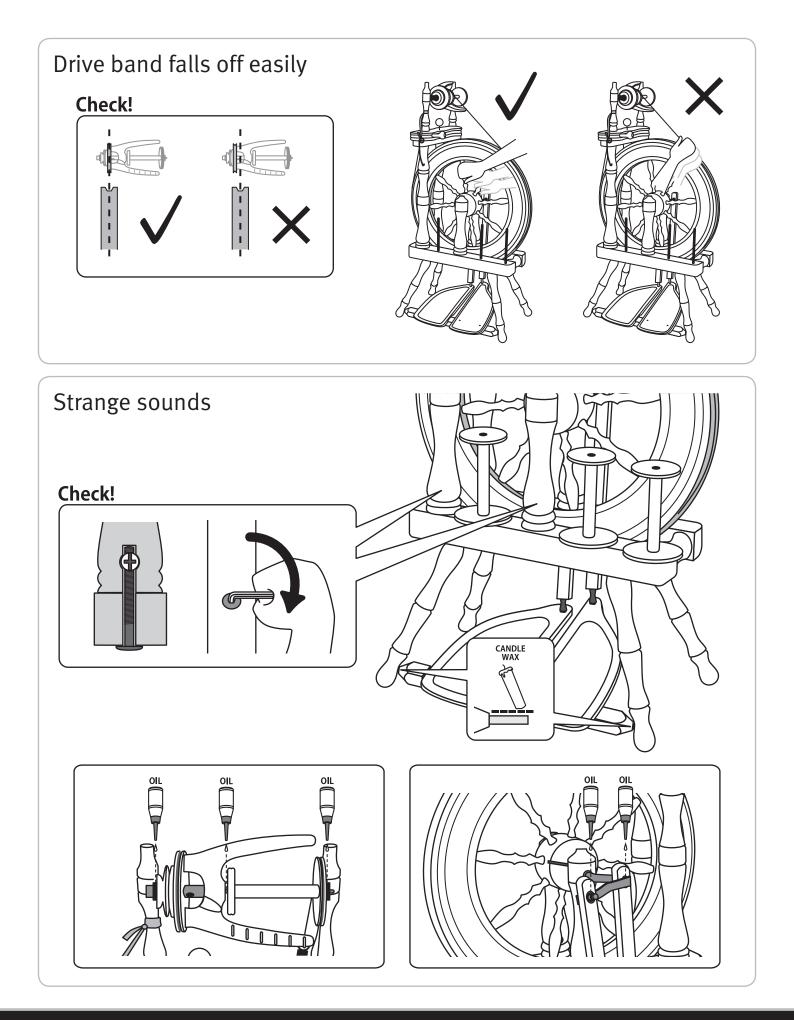
Solutions



Yarn breaks **Check!**









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