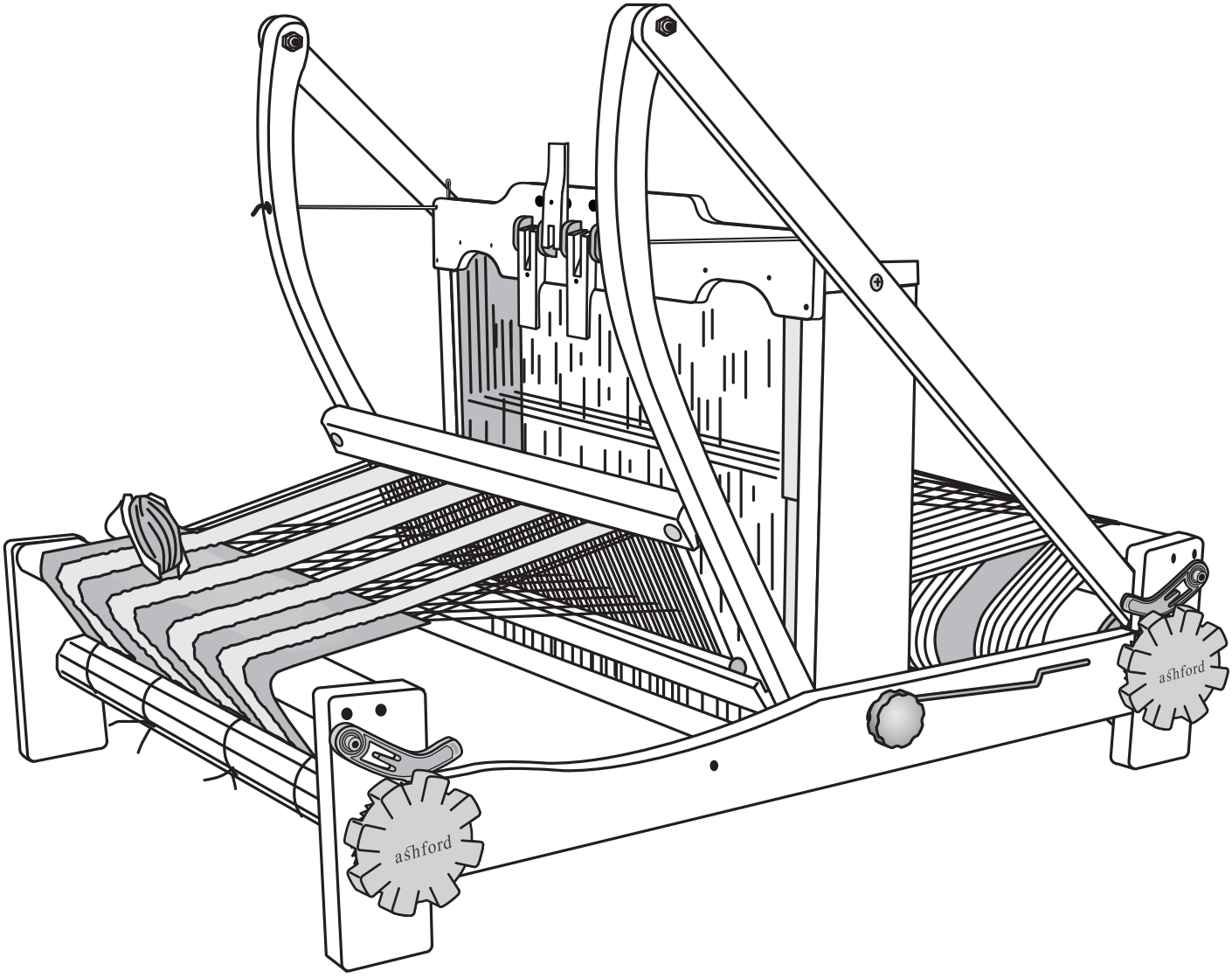
ashford
WHEELS & LOOMS
INSTRUCTIONS

ASHFORD TABLE LOOM - FOUR SHAFT

610mm / 24in



TLFS6-091224

Ashford Handicrafts Limited
415 West Street, Ashburton 7700, New Zealand
Telephone 64 3 308 9087
sales@ashford.co.nz www.ashford.co.nz

Ashford Guarantee
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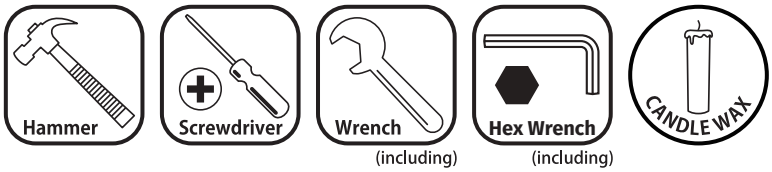
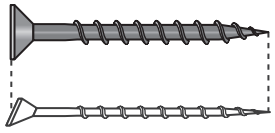
To validate the guarantee, please go to www.ashford.co.nz/product-registration

Before commencing, please read these instructions completely, identify the parts and note the assembly sequence.

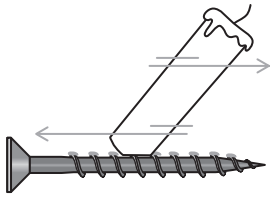
Tools Required



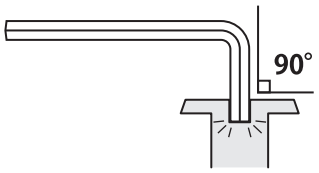
Hints



Check hardware against full size illustration.



To make assembly easier use candle wax on the screws.



When you use the Hex wrench, make sure it is at 90 degrees and is at the bottom of the hole.

Check!

Check the directions carefully.

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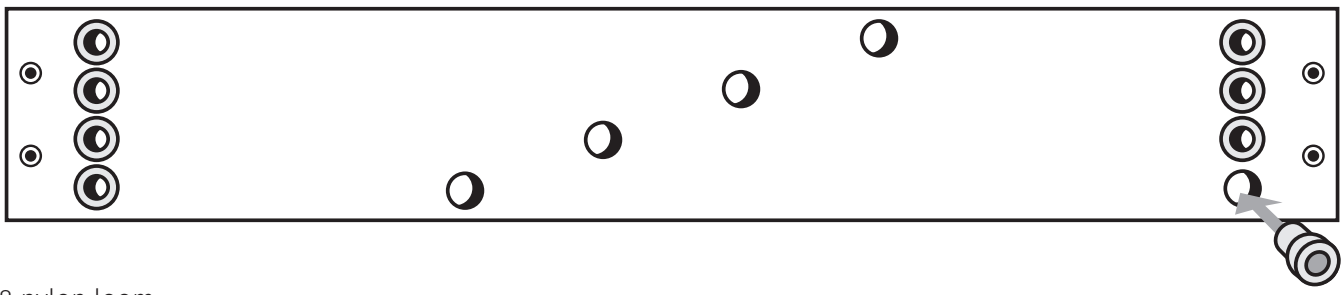
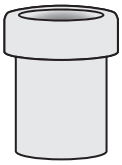
①



Tap the 8 nylon loom cord guides into the castle top.



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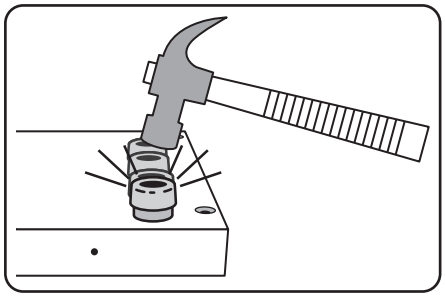
Check!



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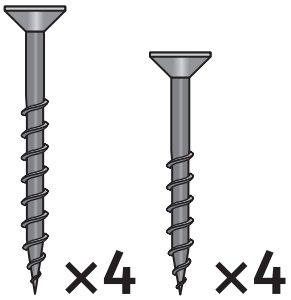
②

Attach the castle top to the castle sides with 4 x 38mm (1½") screws. Check that the pilot holes for the castle front are all on the same side.

Attach the bottom cross rails to the bottom of the castle sides with 4 x 30mm (1¼") screws. Check! Only use 30mm (1¼") screws. Longer screws may damage the sides.



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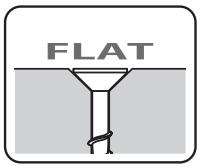
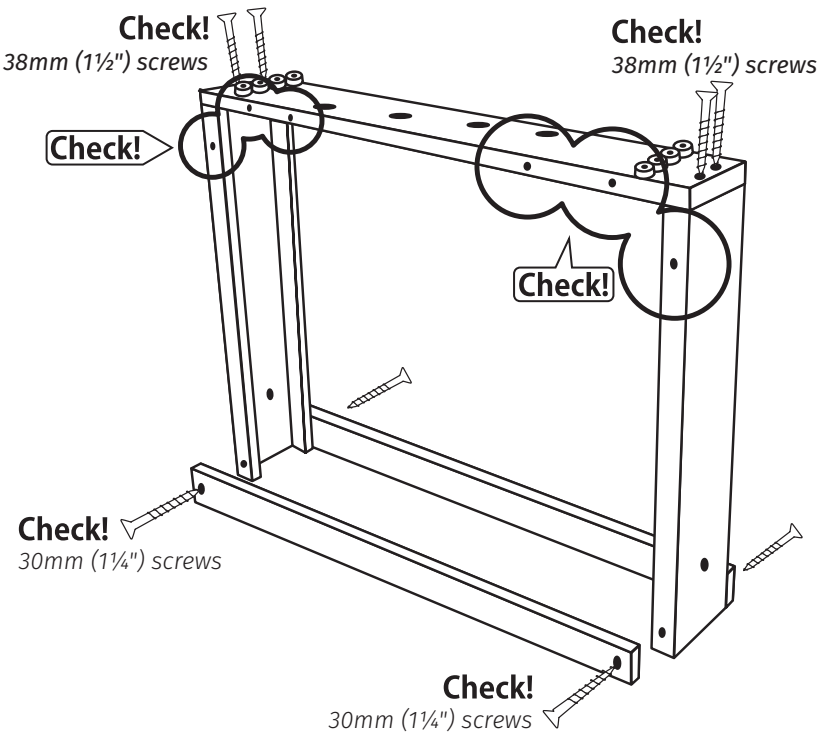
Check!

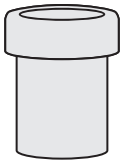




3

Hammer

Rest the castle front on a table edge for support. Tap the nylon guides into the cord holes from the back.



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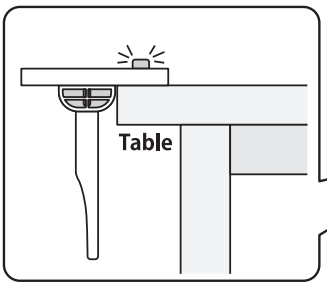
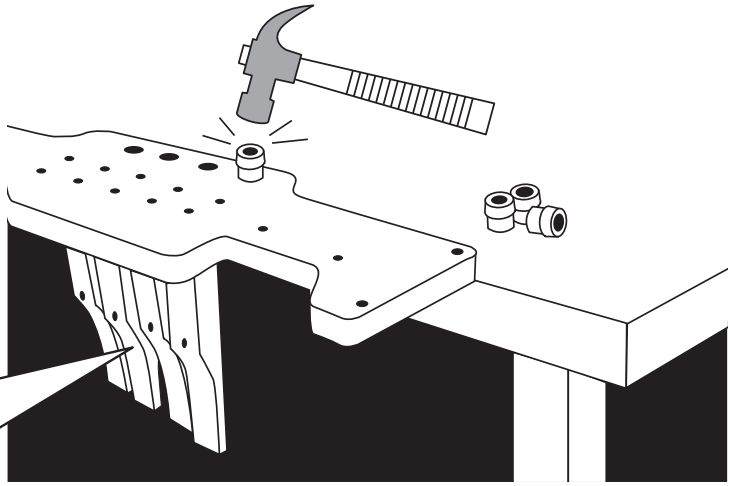
Check!



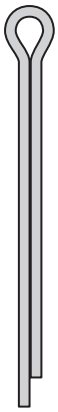


4

CANDLE WAX

Screwdriver

Attach the castle front to the top and sides of the castle with 30mm (1¼") screws. Locate the cotter pins into the holes in the castle front. Use these pins to lock the beater in place when threading.



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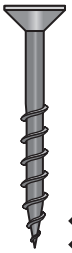

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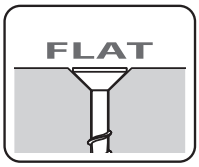
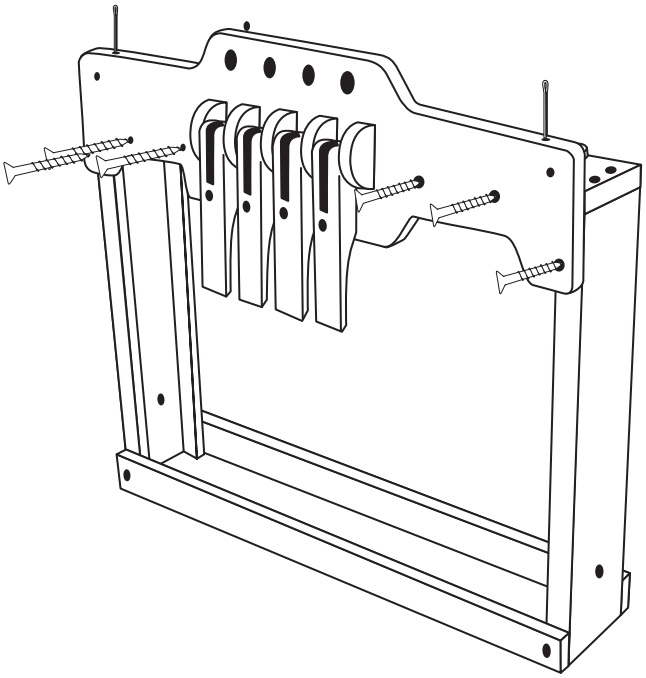
Check!



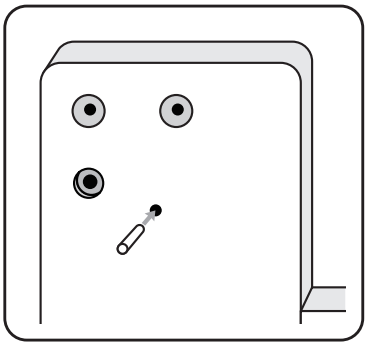


5

Hammer

NOTE: We have completed this step for you. Remove and discard the wooden protector blocks.

Tap the "clicker pins" for the pawls to the bottom of the holes in the sides. NOTE: Both sides are drilled for the pawl.



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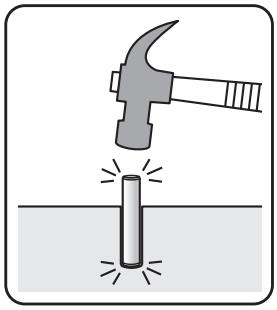

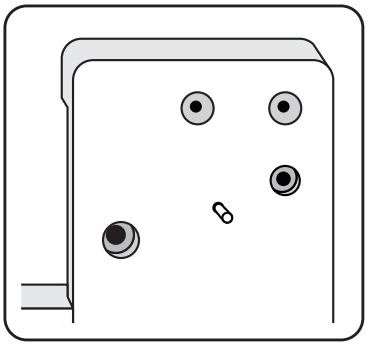

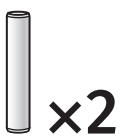

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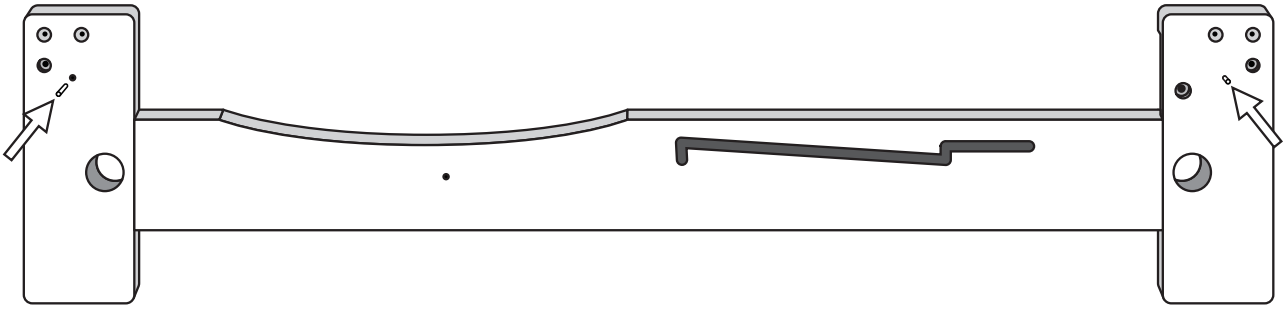
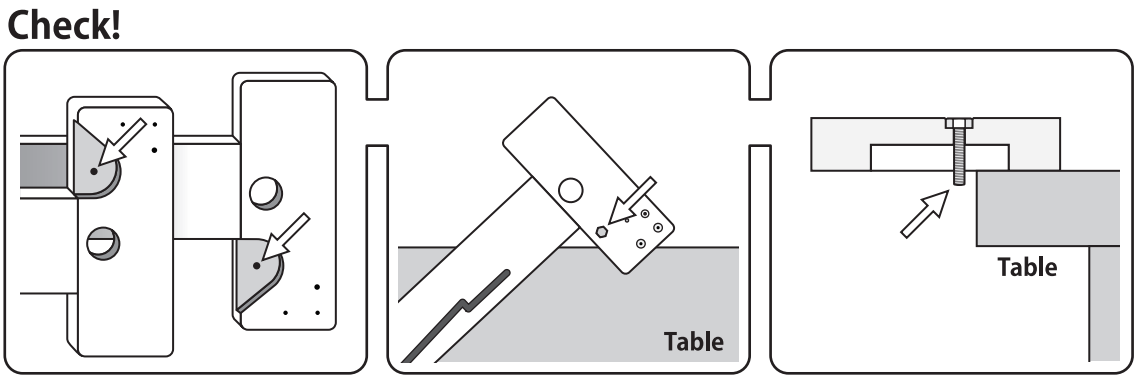


6

Hammer

Rest the loom side on a table edge. Tap 25mm (1") hex head bolts through the loom sides. NOTE the head of the bolt MUST be level with or below the surface of the side otherwise the pawl will catch on it.



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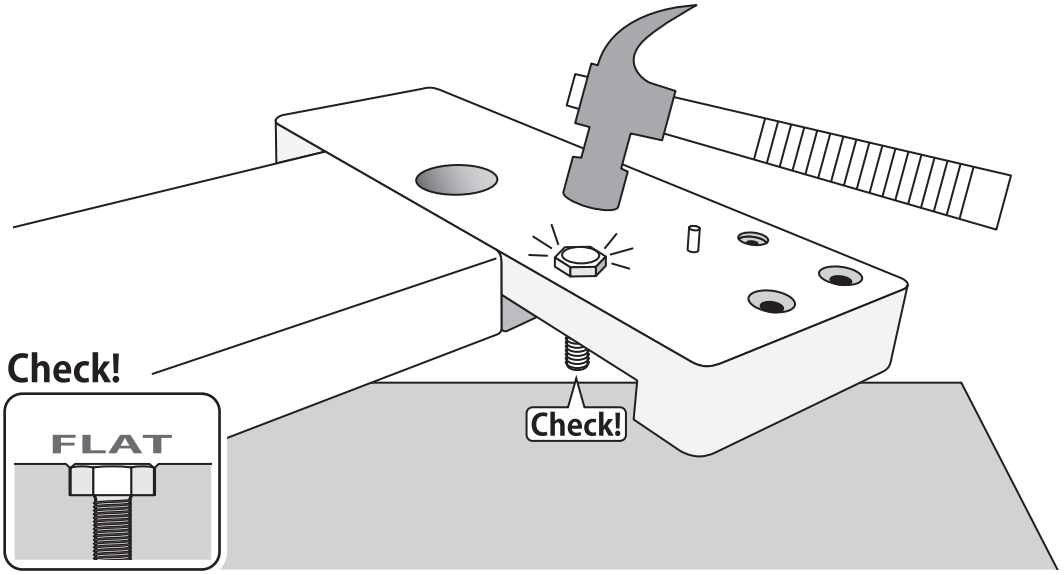
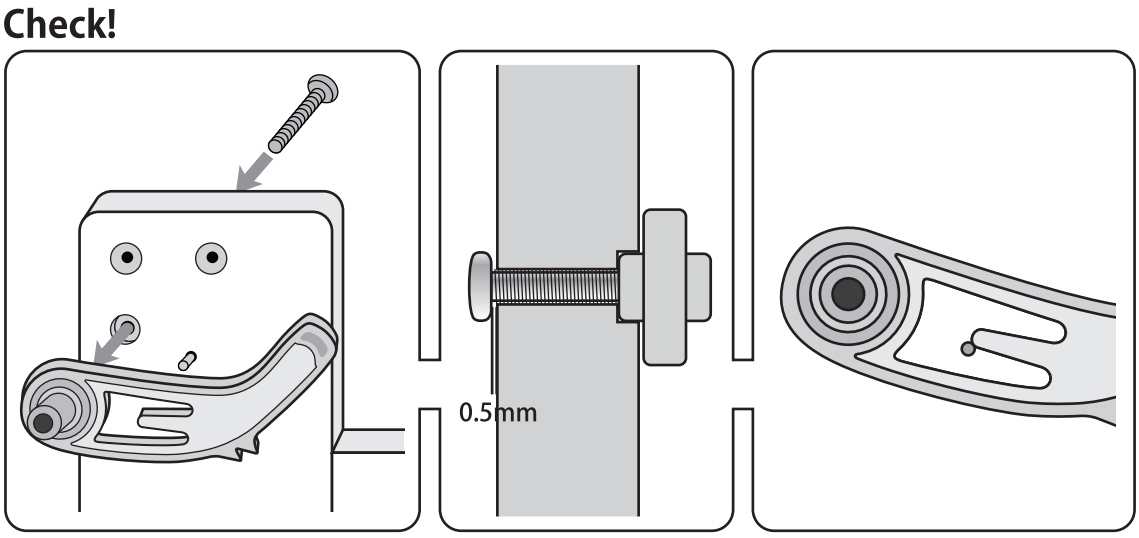


7

Screwdriver

Attach the 2 pawls to the loom side with 30mm (1¼") machine screws. NOTE the "clicker pin" fits into the gap in the pawl. Take care to ensure the "clicker pin" does not damage your table. Rub a little candle wax on the thread to make assembly easier. Leave 0.5mm (1/32") gap under the head of the bolt. DON'T over tighten. The pawl should move freely.



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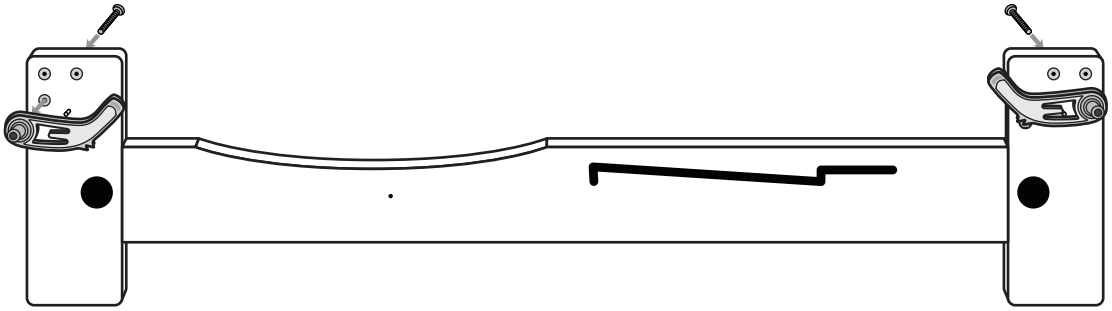
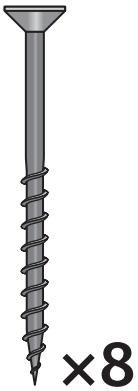


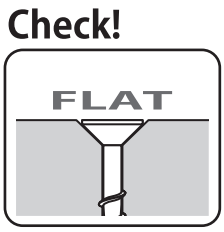
8

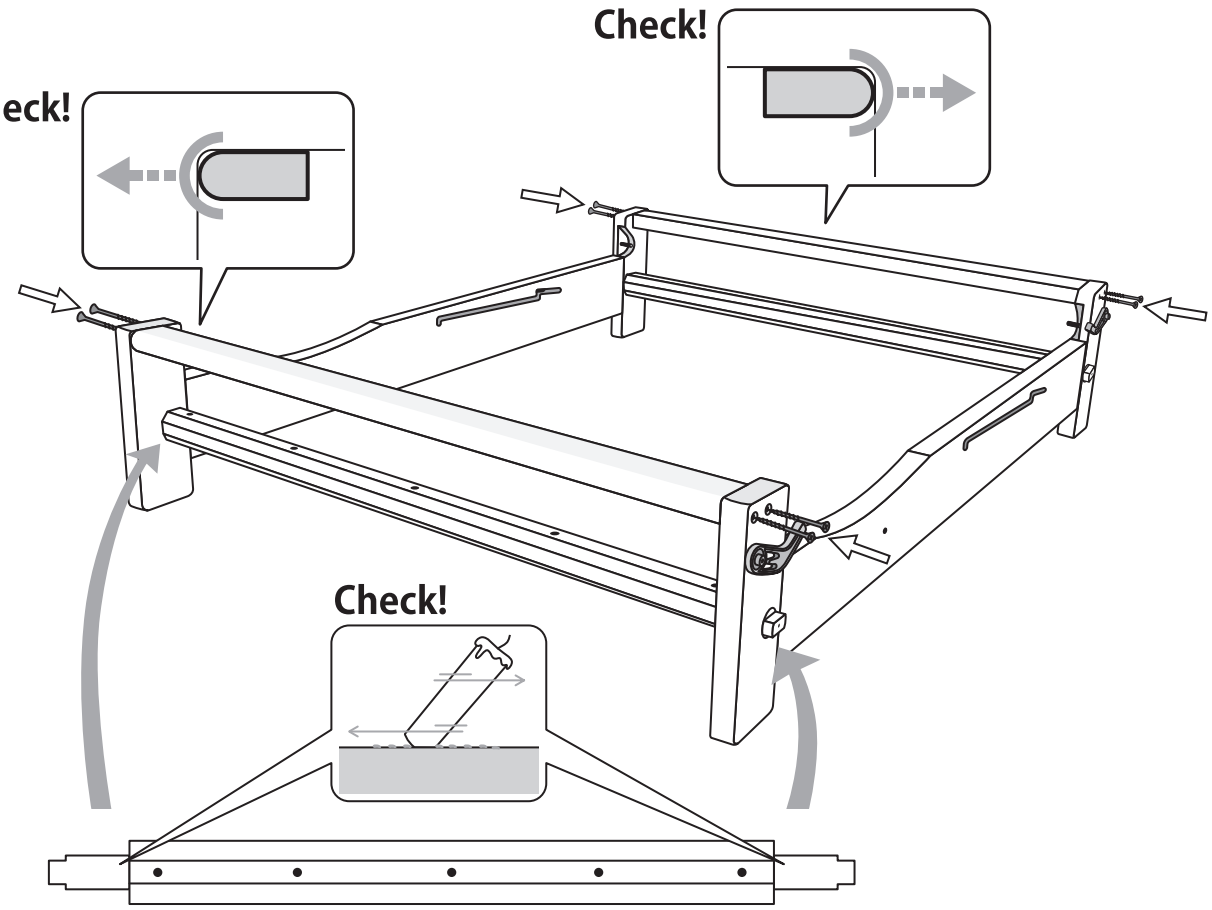
CANDLE WAX

Screwdriver

Rub candlewax on the ends of the rollers. Place the rollers into the holes in the loom sides with the longer end on the same side as the pawls. Attached the front and back beams to the sides with 50mm (2") screws. Check the round edge of the beams face out.

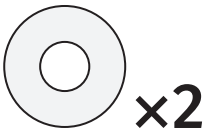


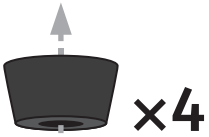


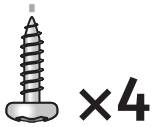


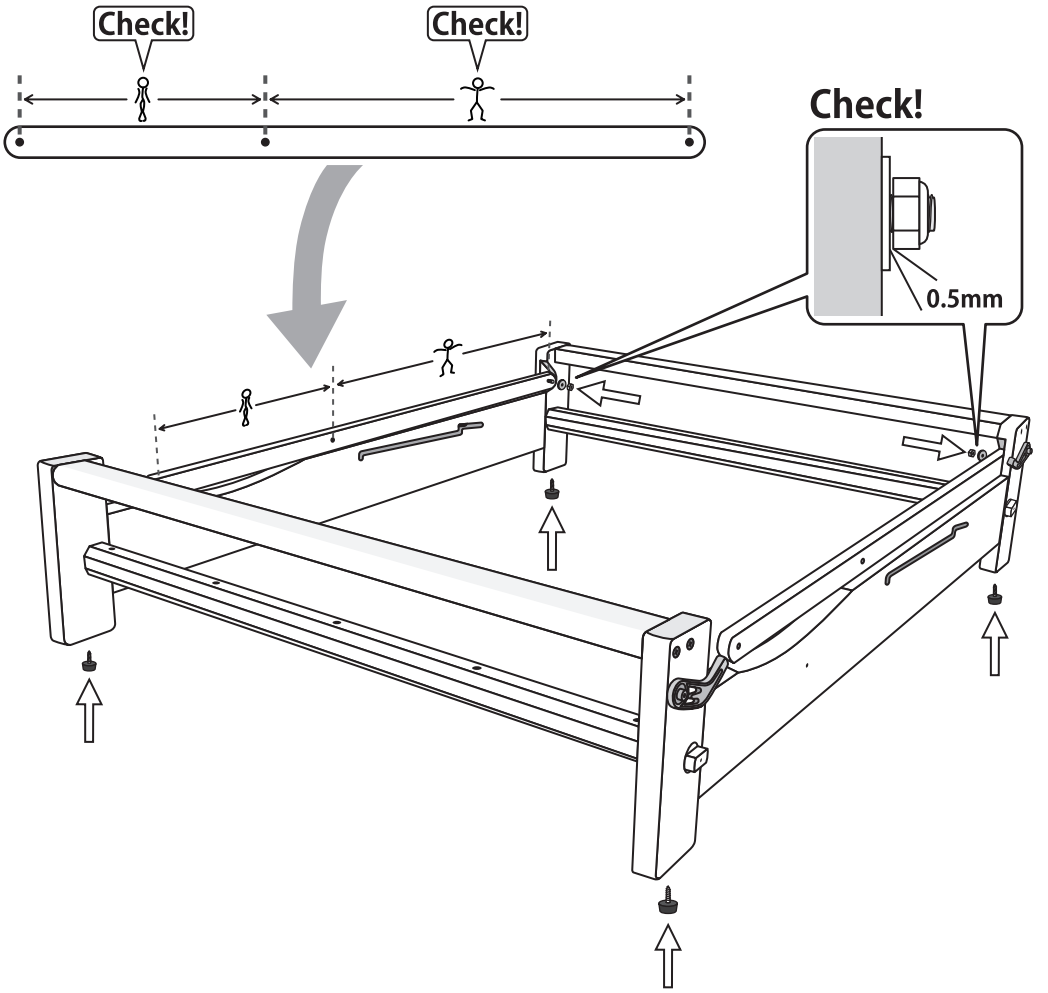
9

Attach the 4 rubber feet with the 12mm (½") screws. Attach the support arms to the loom sides after checking they are the correct way around. Secure with washers and nuts. Leave 0.5mm (1/32") gap under the head of the washer and nut.



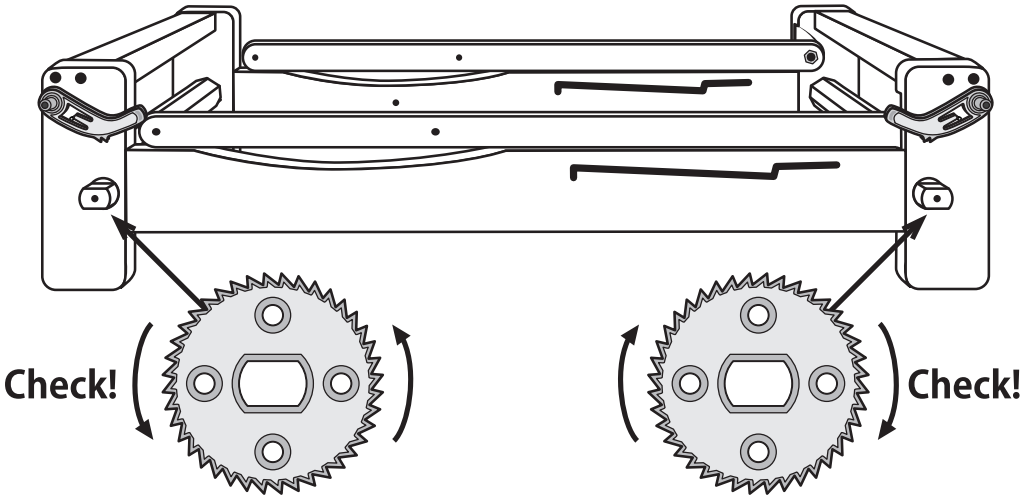


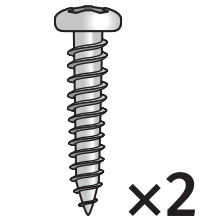


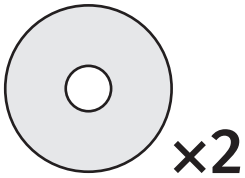


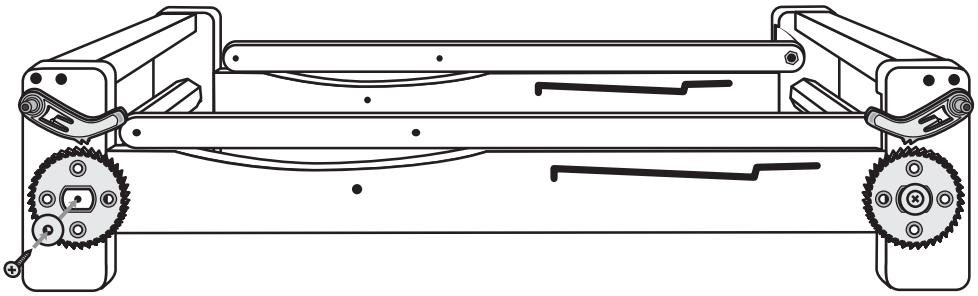
10 CANDLE WAX Screwdriver

Place the cogs onto the ends of the rollers. Check the teeth engage the pawl. THEN secure with washers with small holes and 25mm (1") screws.









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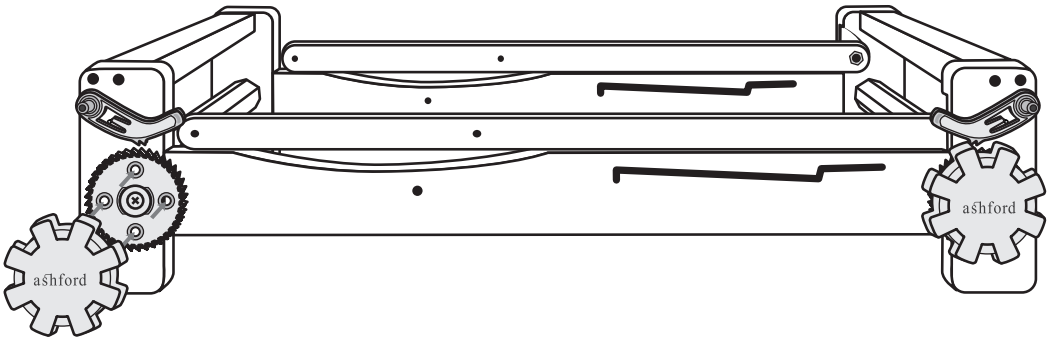
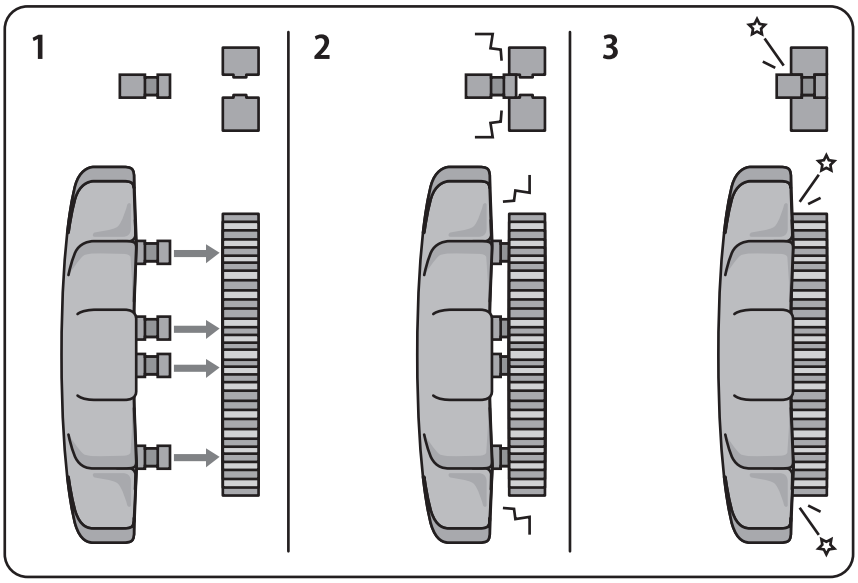
11 CANDLE WAX

Rub candle wax on the 4 pins on the handle. Locate the 4 pins into the 4 holes in the cog. Give the handle a sharp hit with a rubber mallet so it locks down tightly onto the cog. There should be no gap between the handle and the cog. Repeat with other handle.

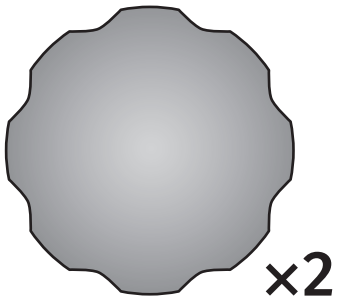




12

Hammer

Place the castle inside the frame and attach with 40mm (1½") hex head bolts washers and handles. Tap the bolt heads and tighten the knobs until the bolt heads are level or below the surface of the castle side. Otherwise the shafts could catch on them.



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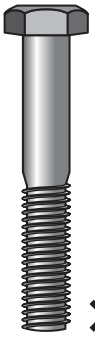

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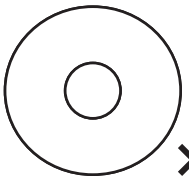

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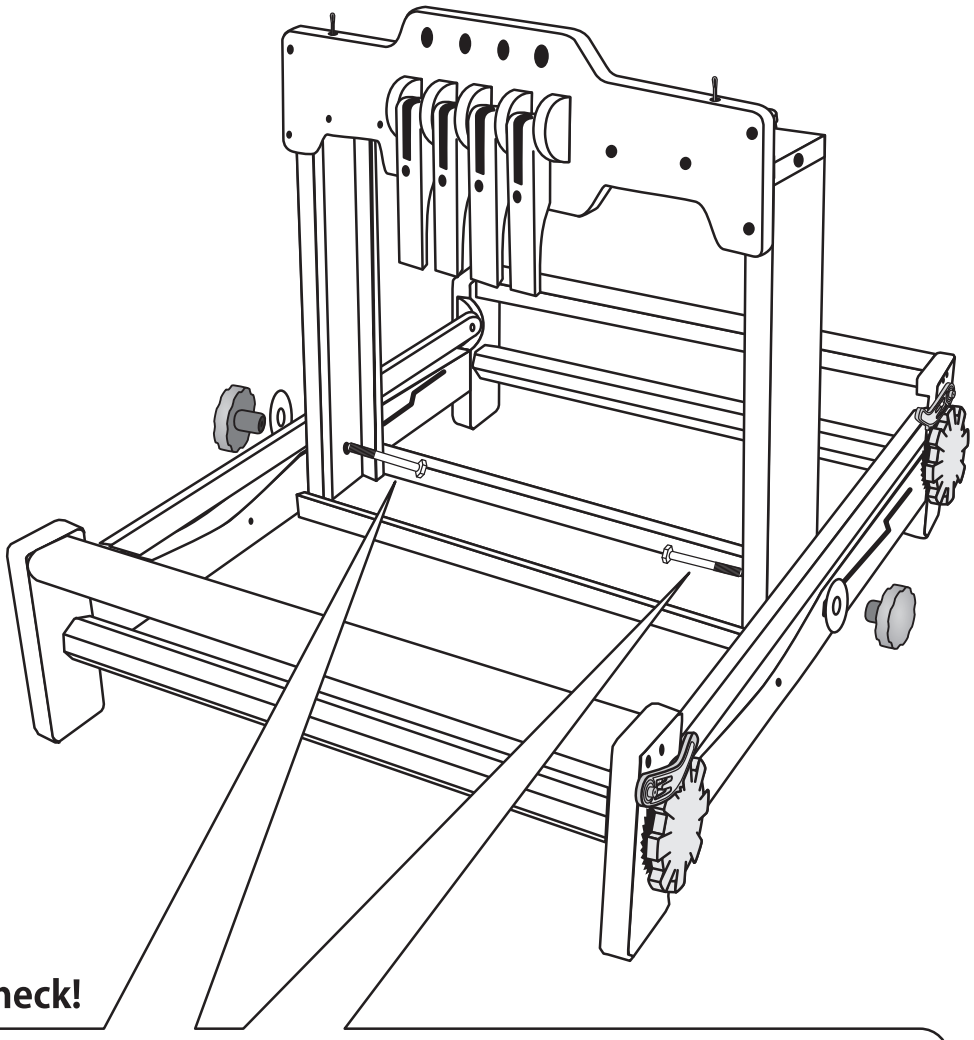

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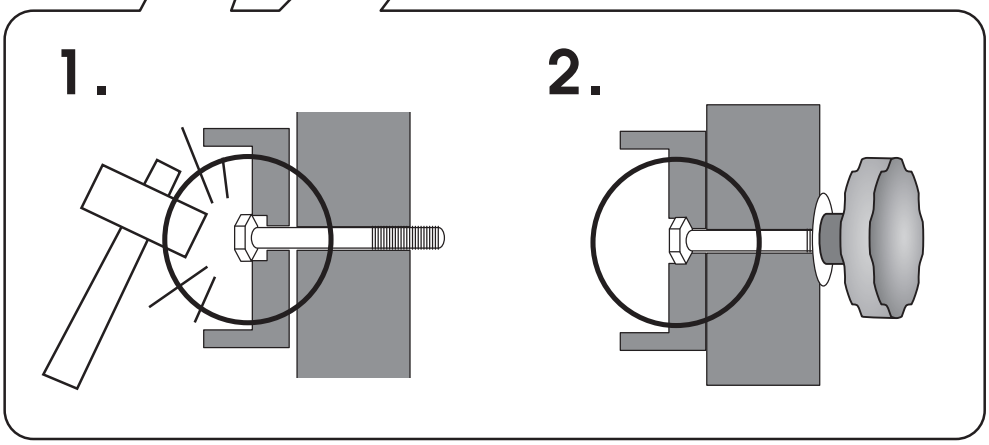
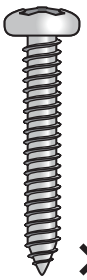


13

CANDLE WAX

Screwdriver

Lift the support rails up and attach them to the castle top with 30mm (1¼") screws. Leave a 0.5mm (1/32") gap.



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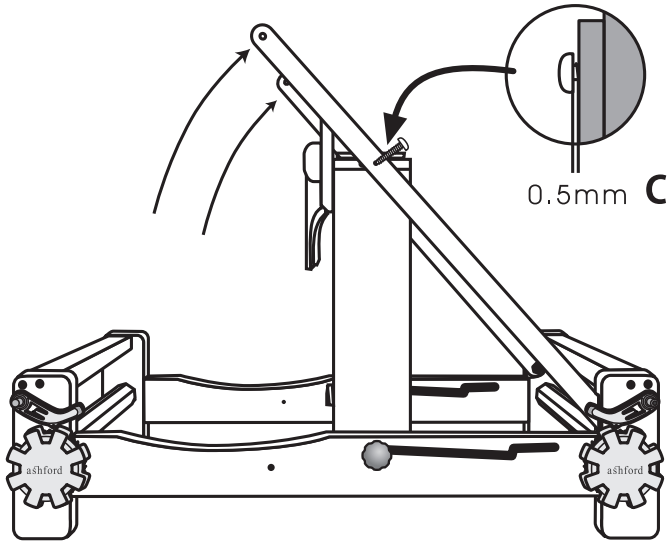
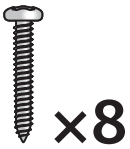


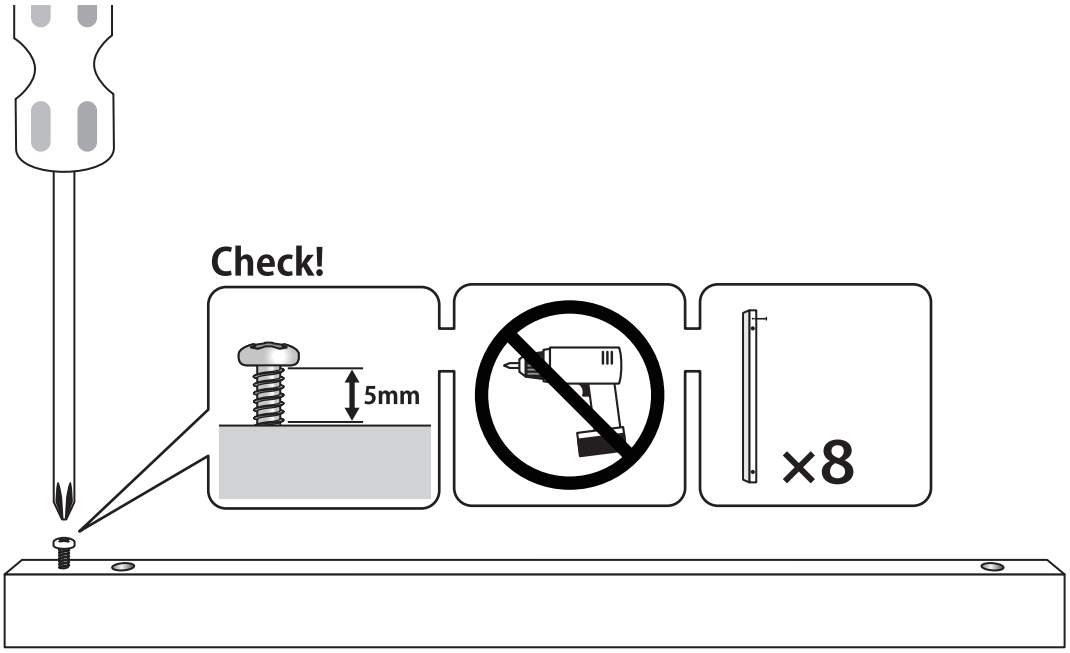
14

CANDLE WAX

Screwdriver

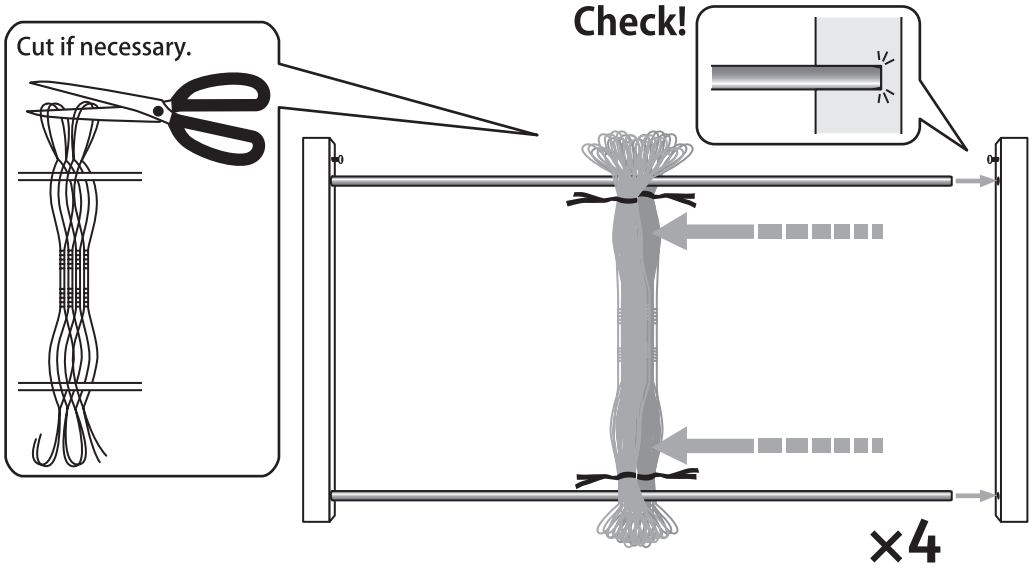
Thread the screws into the heddle frame ends using a hand held screwdriver and leave a 5mm (3/16") gap to loop the texsolv nylon cord over. ***Note: Do not use an electric screwdriver as it can drive the screws in too far and crack the heddle frame ends.***





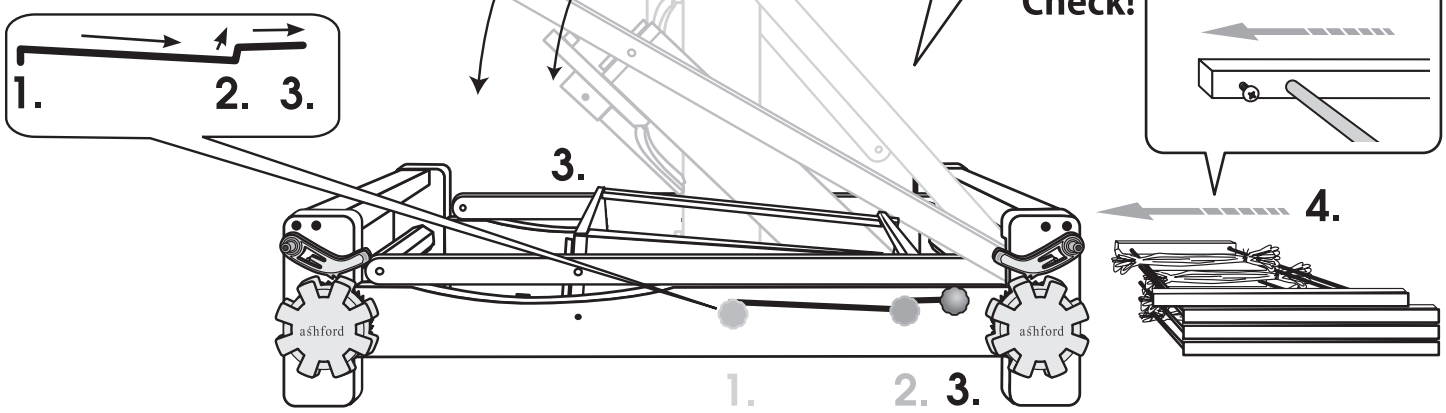
15

Push the metal bars into one heddle frame end, slide a bundle of Texsolv heddles over the bars and push the other end in place. Only then remove the plastic ties. If necessary, cut the Texsolv heddles to separate them.
Lay each heddle frame on a flat surface and check the two ends are parallel.



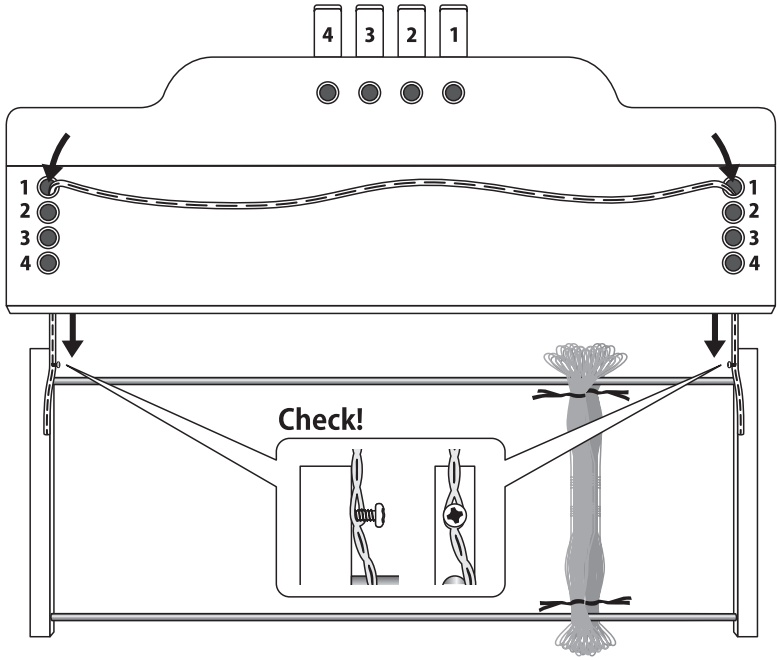
16

Loosen then knobs. Then fold the castle flat. Be careful to hold as directed so you don't jam your fingers. The groove in the side has a two stage path - this is a safety feature so the loom doesn't fold too quickly. DO NOT force the loom from position 2 into position 3. Lift the castle carefully up the groove before sliding back.



17

Slide the 4 heddle frames into the castle. Hold the heddle frames up to the top of the castle and bring the castle back into the upright position. Then allow the heddle frames to sit down on the table. Attach the lengths of Texsolv cord to the front heddle frame (1) and left lever (1) as shown below. Then repeat for the other heddle frames and levers (2, 3, 4). With the levers in the down position adjust the Texsolv cord on both sides of the heddle frames so there is approx. 10mm (½") gap under the castle top. Once you have adjusted the position of the heddle frames to your satisfaction you may choose to cut the cord at least 3 slots from the screw head.



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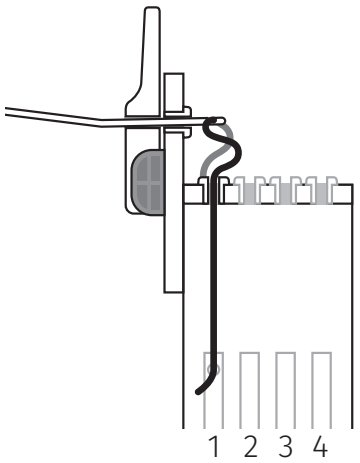

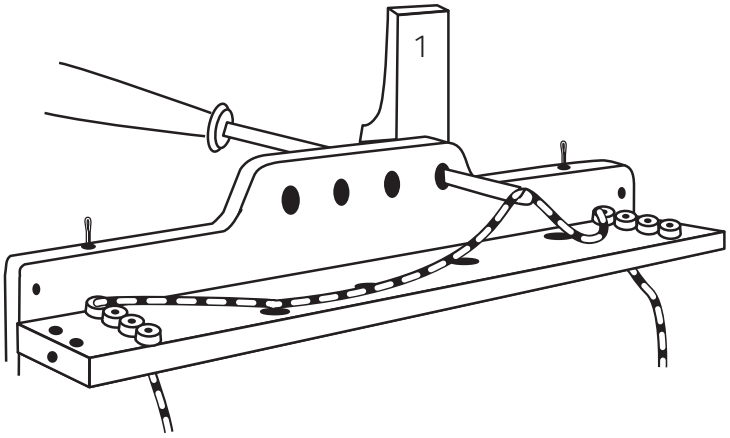

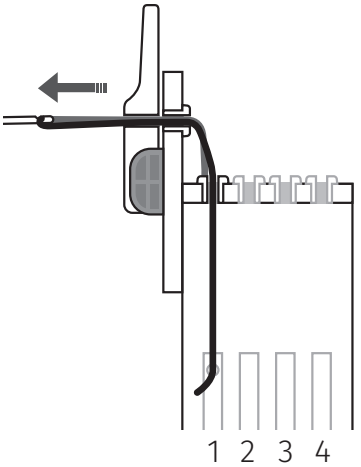

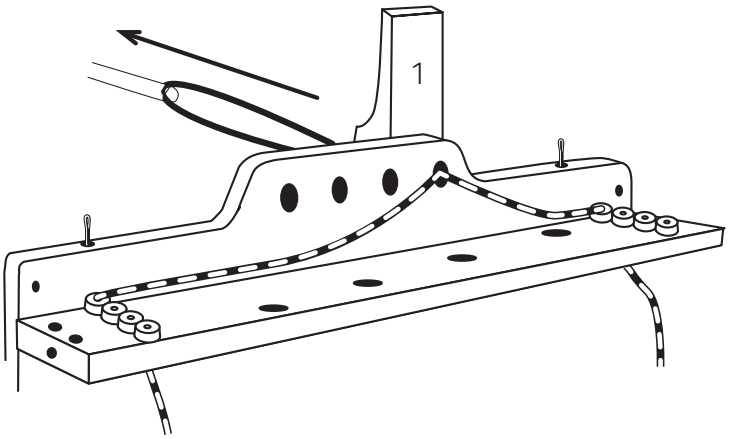

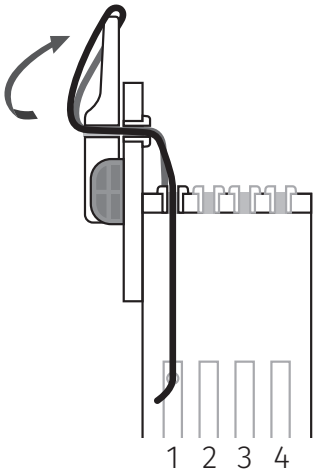

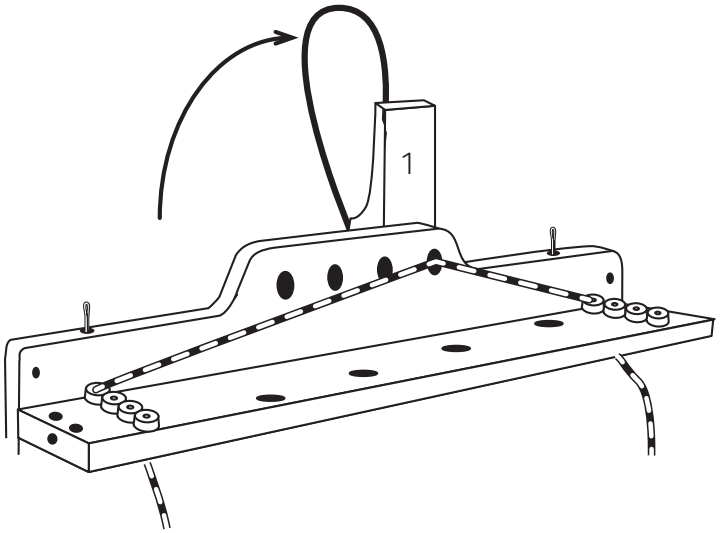

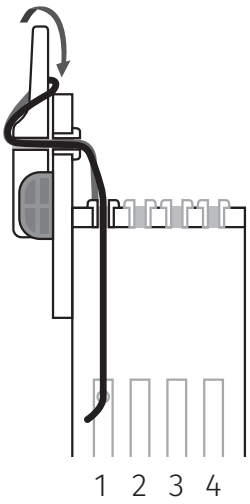

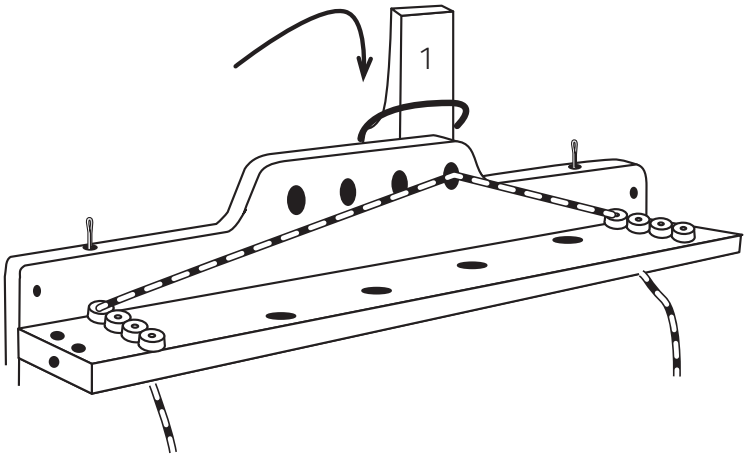

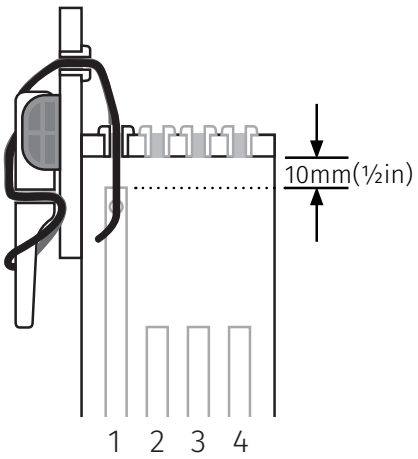

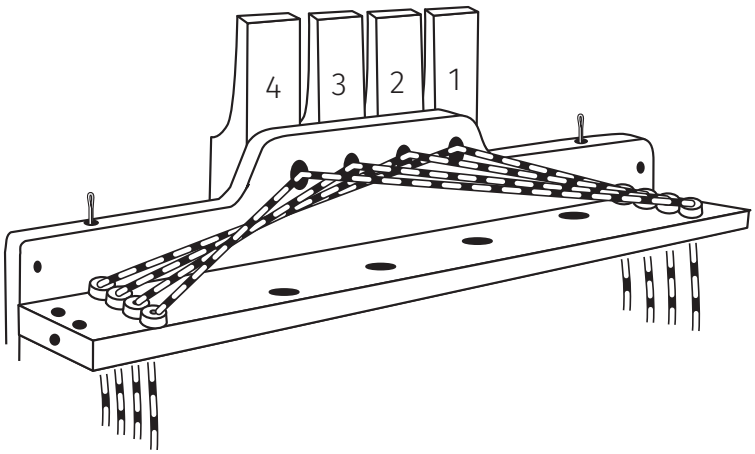

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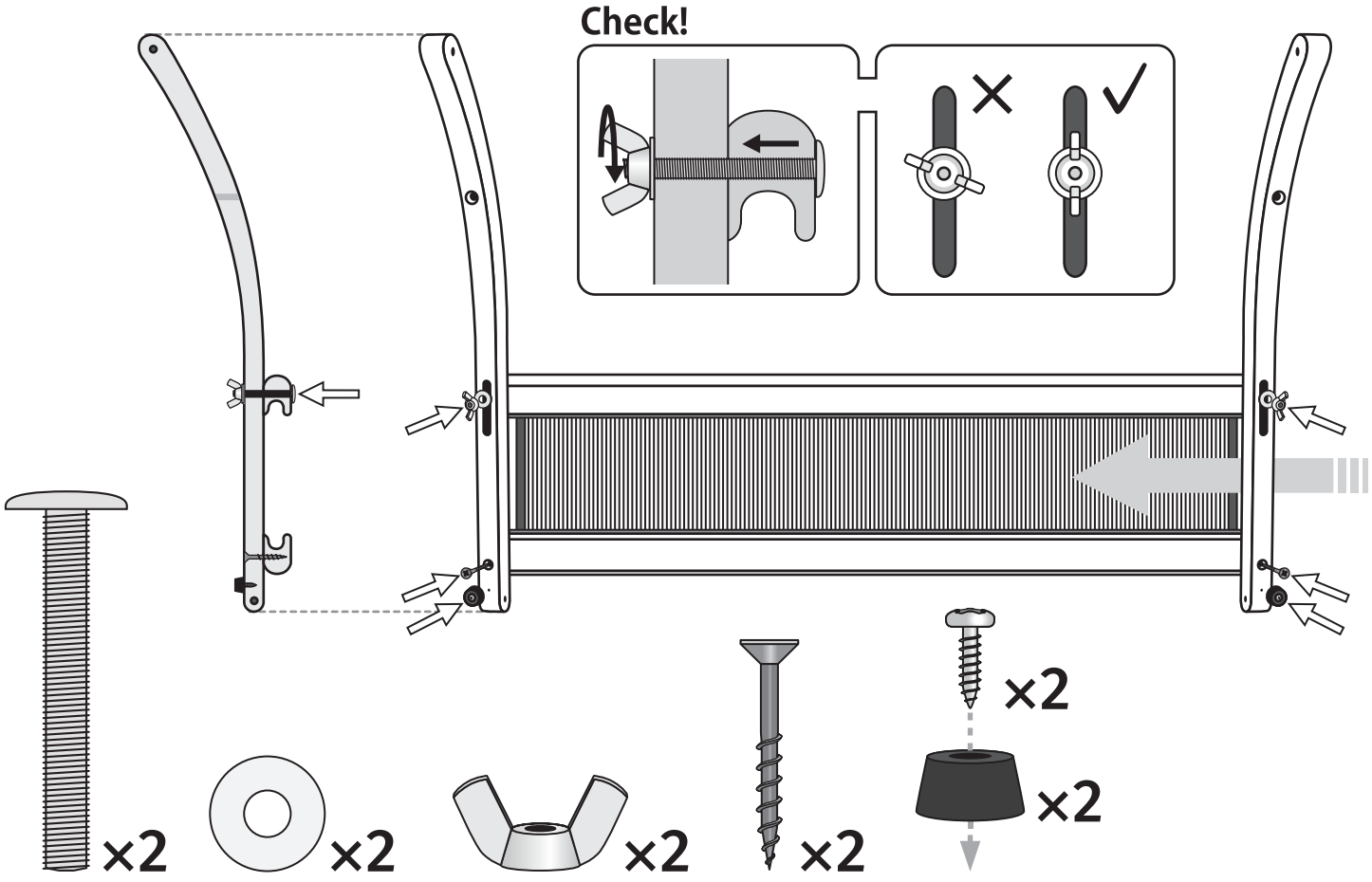
Screwdriver

CANDLE WAX

Hex Wrench

Attach rubber buffers to the beater sides with 12mm (½") screws. Then assemble the beater frame with 30mm (1¼") screws, 50mm (2") bolts, washers and wing nuts. Make sure the wing nuts are parallel to the support rails to ensure the loom folds. Use the Hex wrench to tighten.



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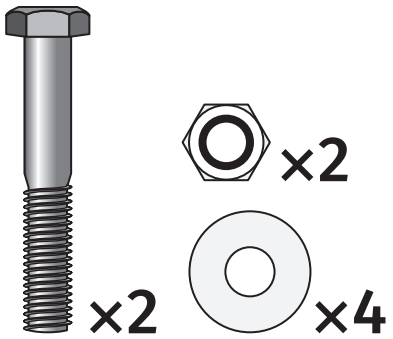
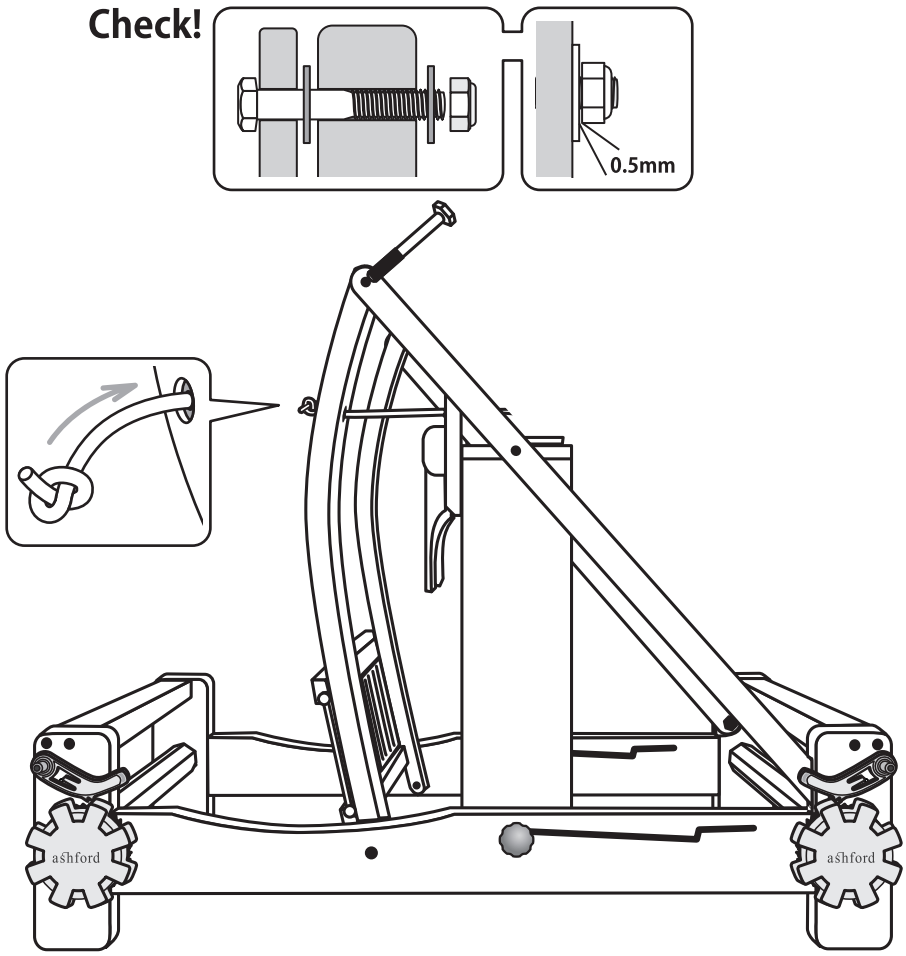
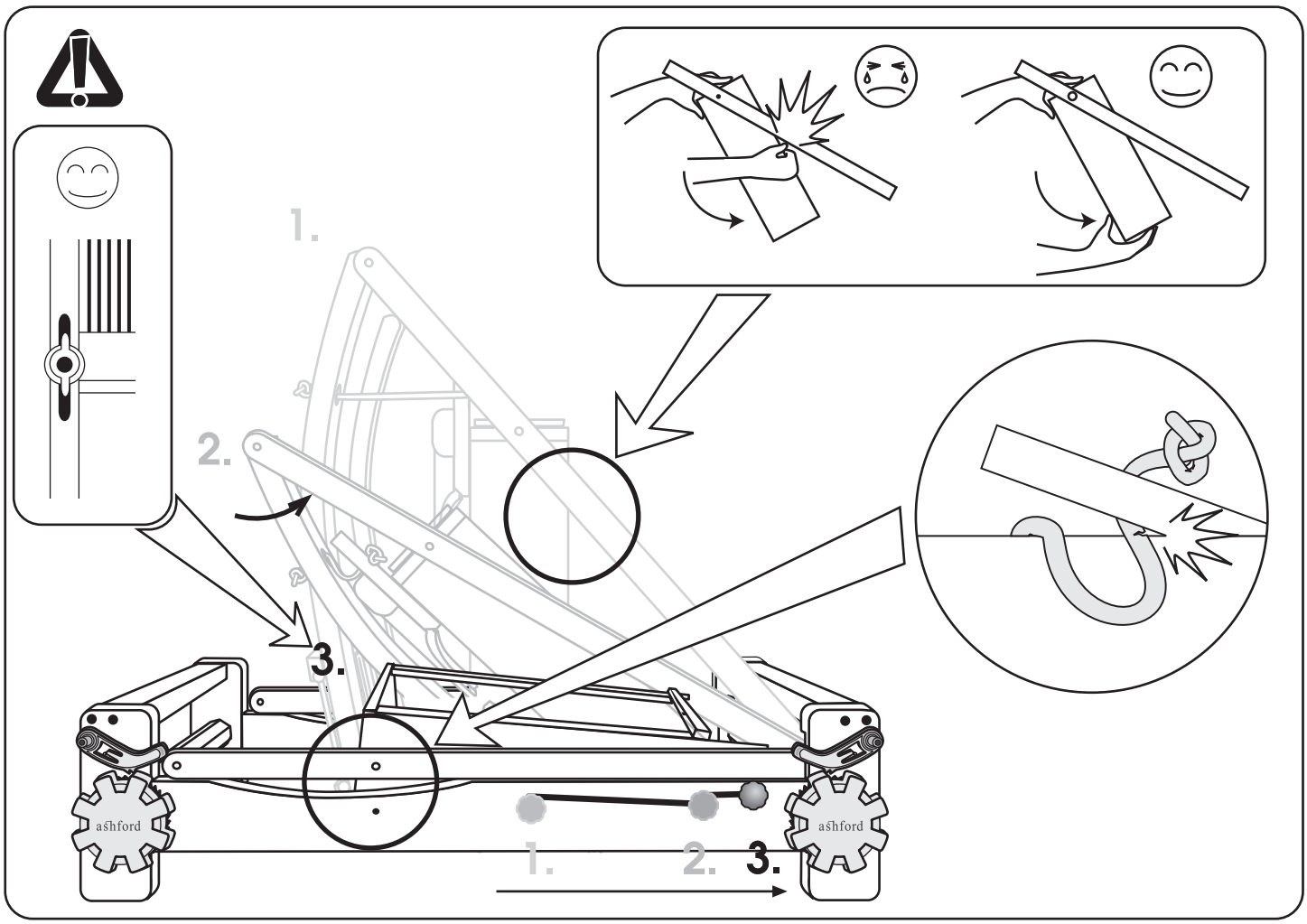
Attach beater frame to the support rails. Leave 0.5mm (1/32") gap so the beater can swing freely.

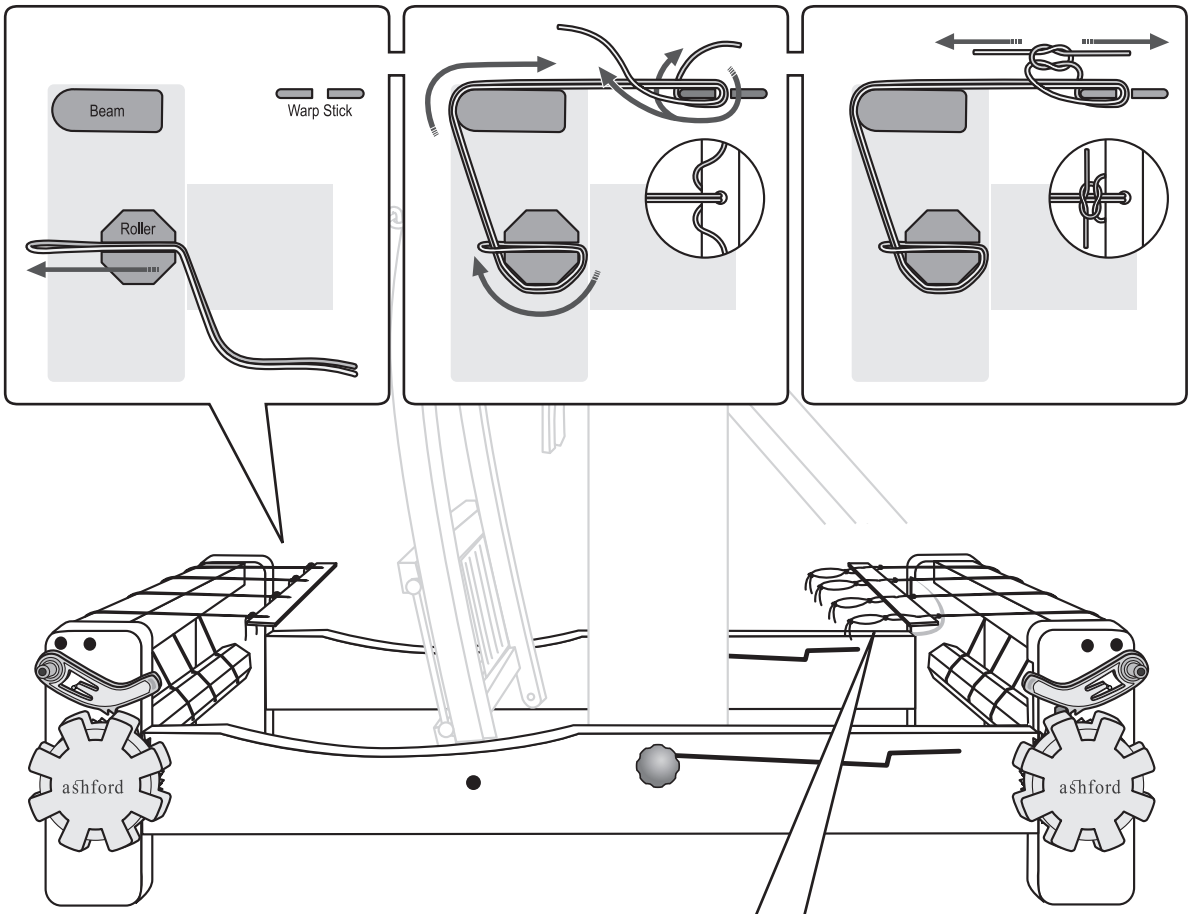
Note: If the beater frame rubs against the loom sides loosen the wing nuts and screws and retighten. Stretchy cord - knot the cord 10mm (½") from one end, slide through the hole in the beater support rail, the hole in the castle front and loosely knot the other end. Adjust the position of the knot behind the castle front to increase or reduce the tension so the rubber feet on the beater touch the castle sides.



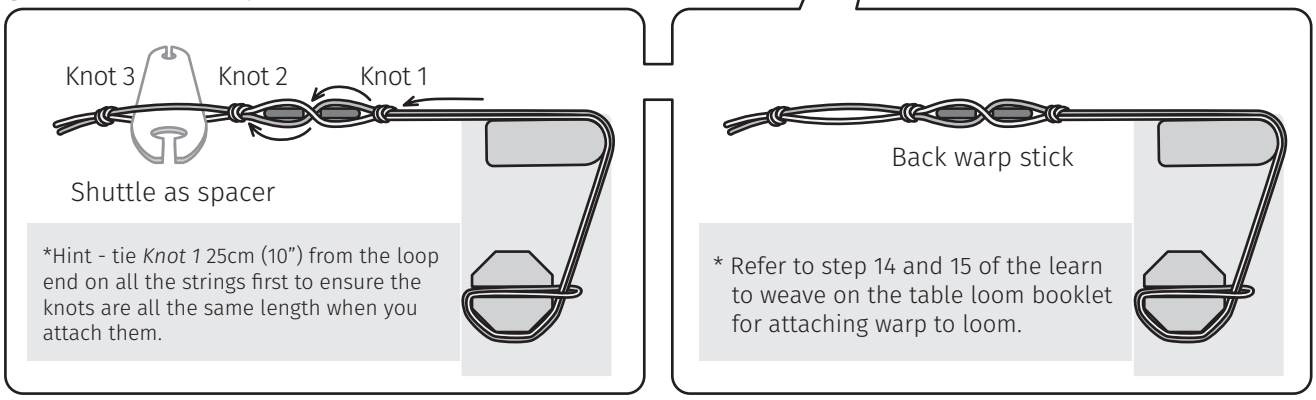




Tying on the front warp stick

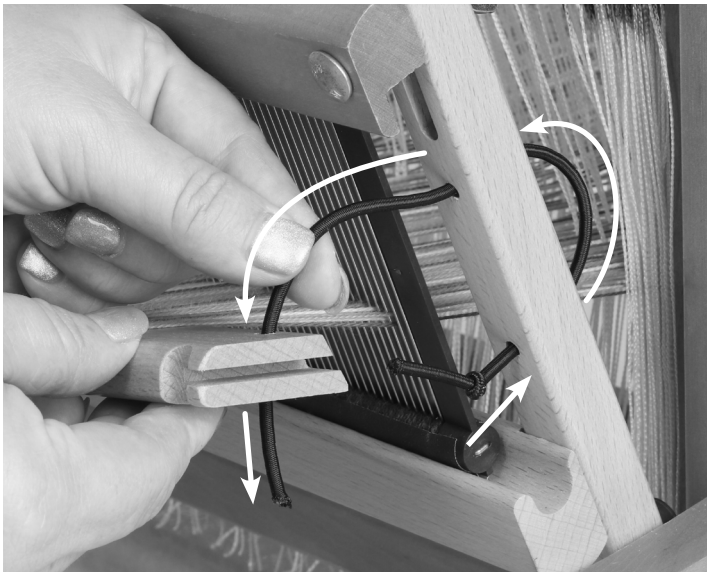


Tying on the back warp stick



Attaching the shutte race

1. Tie a knot in one end of the stretchy cords and thread the unknotted end through the bottom hole in the beater arm, up the back and through the top hole.
2. Then down through the hole in the Shuttle Race and tie a knot loosely (so it can be adjusted).
3. Repeat for the other side.

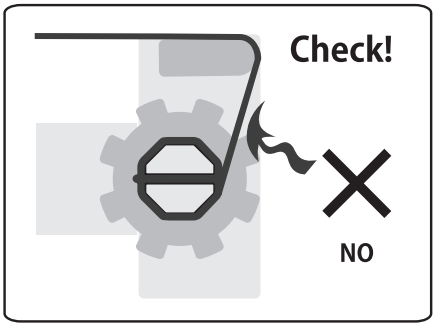


NOTE: For convenience when dressing the loom and threading the reed, the Shuttle Race can be dropped down out of the way by removing the bungy cord from the slot.

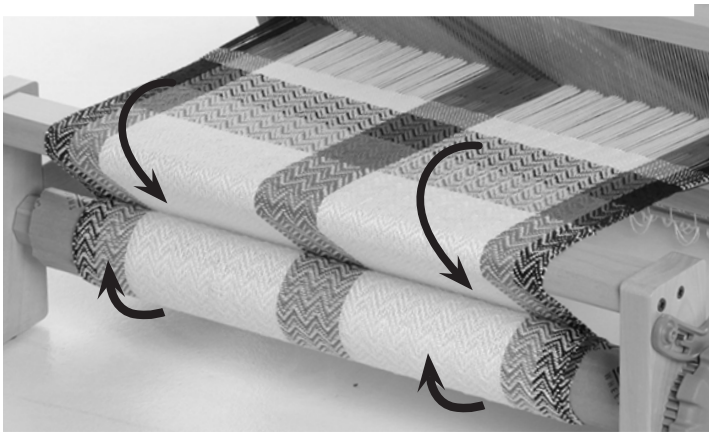
4. Hold the Shuttle Race against the reed and pull the knot out from the beater arm, through the slot in the end of the Shuttle Race and position the knot into the notch. Repeat for the other side.
5. Adjust the position of the knots to increase or decrease the flexibility of the Shuttle Race. The Shuttle Race should flex down when you gently press it. This is so it can flex out of the way when you are beating.

IMPORTANT

Check the warp winds onto the front and back rollers in the correct direction.



Winding the warp on the back roller.

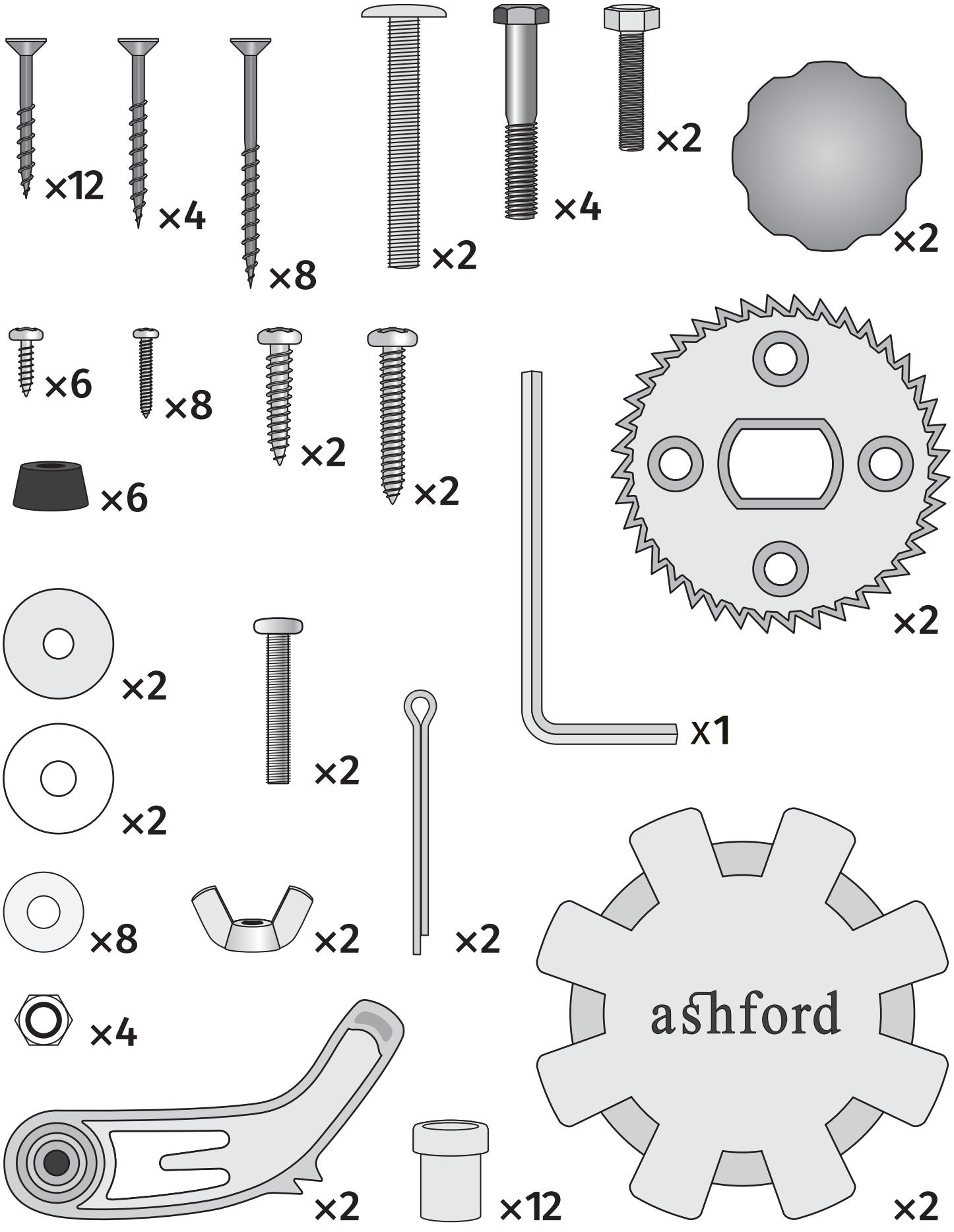


Winding the warp on the front roller.

*Hints - To release the warp tension to advance the warp, turn the handle slightly and then lift the pawls on both ends out of the teeth. Lift all the heddle frames before folding.

Now follow the easy step by step “Learn to weave on the Table Loom booklet” for your first woven sample!

Real scale hardware list for Table Loom



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WHEELS & LOOMS

Ashford Handicrafts Limited
415 West Street, Ashburton 7700, New Zealand
Telephone 64 3 308 9087
sales@ashford.co.nz www.ashford.co.nz