Your new

Pioneer X

spinning wheel

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all you need to spin your dreams...

Welcome to the Majacraft family

Congratulations on purchasing a new Majacraft Pioneer.

We are very proud of this wheel and hope that it allows you to express your creativity in new and exciting ways. Take time to read through the instructions before assembly, it really is worth it.

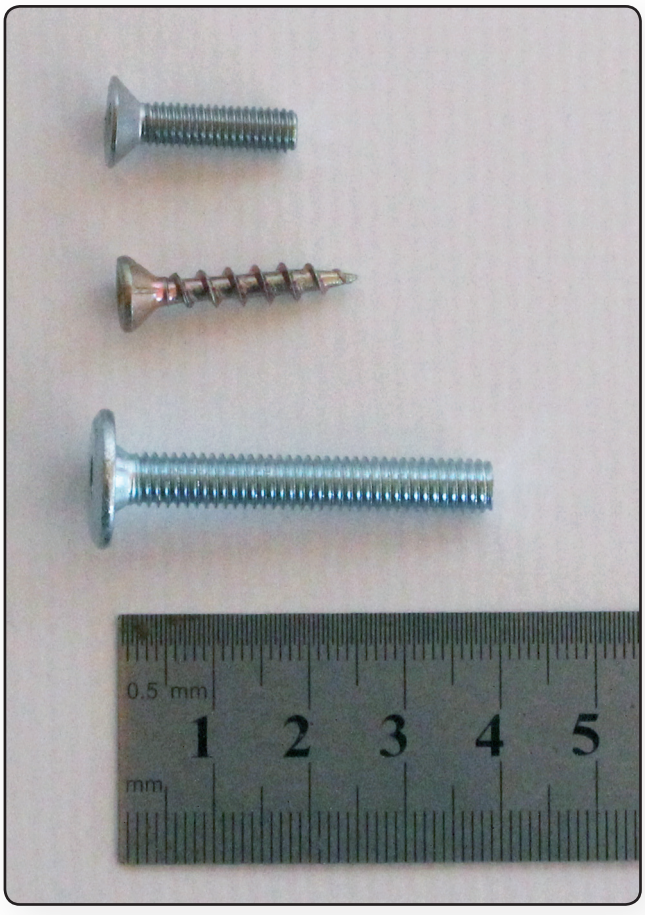
One of our goals is to make our wheels as easy and simple to use as possible, so they become almost invisible as you express your creativity through fibre.

If you were not already aware, we have designed of our craft tools and accessories to be compatible with each other. If you have an interest in a specific technique, we are likely to have specialist accessories that will fit straight on to this wheel. Talk to your dealer, visit our web site or email us directly and we will do what we can to help.

Thank you for choosing Majacraft, it is your belief in us that drives our innovation and creativity in building captivating tools for you.

From the team at Majacraft, good spinning!

Fastener Details



Crank screws - M5x20mm (3/4")
To attach the crank assembly to the drive wheel

Joiner screws - 25mm (1")
To attach the rubber joiners on the conrods to the pedals

Base bolt - JCB M6x40mm (1 1/4")
To hold the base and stem assembly together

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Assembling a Majacraft Pioneer

These instructions demonstrate how to assemble your Majacraft Pioneer spinning wheel.

1. Prepare the components

We recommend that you find a clear work area where you can lay out all the components for working on them.
The following tools are provided by Majacraft
- 4mm allen key
- 3mm allen key
- 2mm allen key

You will also need the following tools:
- Posidrive (Philips) screwdriver

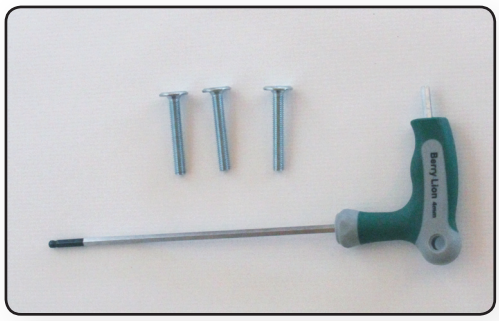
Please unpack with care and retain the packaging. In the box will be:

1 Base/Pedal assembly
1 Stem assembly with drive wheel
3 Plastic bobbins
1 Fine flyer
1 Pulley
1 Crank and conrod assembly
1 Hardware bag (screws, etc) spare screws are included

2. Attach stem to base assembly

Required:
3 - M6x40mm JCB (1 1/2") bolts *(in the hardware bag)*
4mm allen wrench *(in the hardware bag)*
Stem assembly
Base assembly

2a



2b

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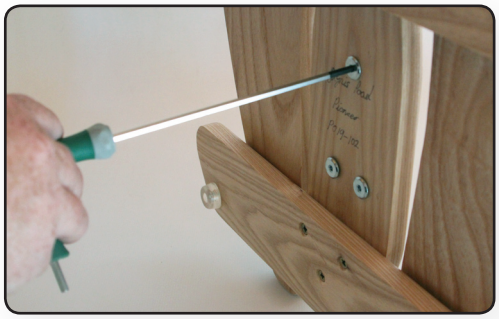
You will require the three 40mm JCB bolts and the 4mm allen key. Position the base assembly on it's edge and then push the JCB bolts through from underneath. Take care that the pedals do not swing free and become damaged.

2c

2d

Align the JCB bolts with the threaded holes in the stem/brace assembly. Use the 4mm allen key to screw the JCB bolts into place but do not tighten them fully.



2e

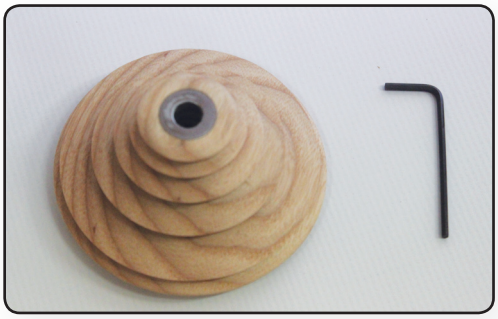
When they all located correctly then tighten the JCB bolts securing the stem onto the base assembly.

2f

The base is now attached to the stem/drive wheel assembly and should look like the image in 2f.

3. Pulley on to Flyer Shaft

Required:
Pulley
2mm allen key *(in the hardware bag)*



3a

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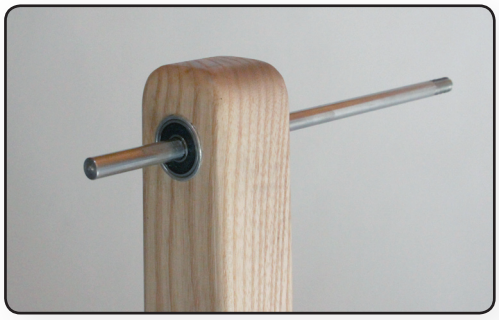
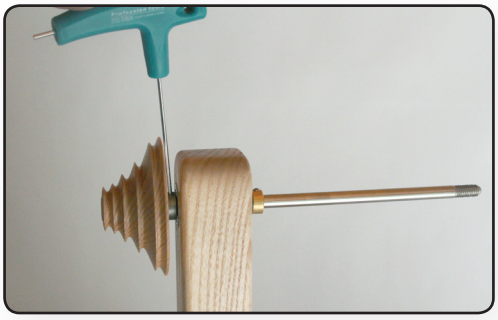


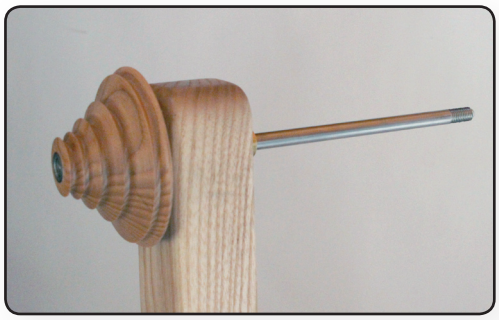
3b

Find the small flat area on the flyer shaft, it will be near the bearing on the head. Turn the flyer shaft so the flat is on top.



3c

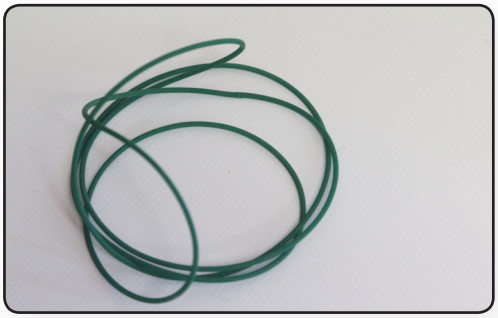
Slide the pulley onto the flyer shaft. Align the grub screw over the flat area. Then use the 2mm allen key to tighten the grub screw and secure the pulley on to the flyer shaft.



3d

4. Drive Band

Required:
1 - Green drive band *(in the hardware bag)*



4a

4b

The green drive band goes on the groove on the drive wheel and then through one of the grooves on the pulley.

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5. Crank Assembly

Required:
Crank assembly
3 - Silver M5x20mm (3/4”) bolts *(in the hardware bag)*
3mm Allen key

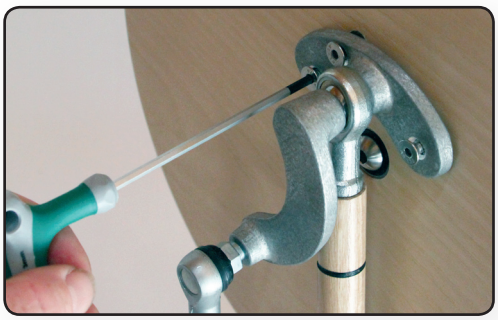
5a

The drive wheel has been predrilled with the holes which line up with the holes on the crank assembly. Make sure the drive belt is on before starting!

5b

Align the holes on the drive wheel with the holes in the crank assembly and screw it into place using the 3mm Allen key. It is recommended that you insert the centre bolt first. This will reduce your chances of possibly scratching your drive wheel.

Similar to the base/stem assembly process, do not fully tighten the centre bolt until you have aligned and started screwing in the two bolts on the sides.



5c

5d

When the three bolts are all in place, you can finish tightening them up.

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6. Conrods to Pedals

Required:
2 - Gold 25mm (1”) screws *(already in the pedals)*
Posidrive screwdriver

The green joiners have already been put in place in the wooden conrods. Place the wheel in front of you so the crank and drive wheel are facing you.

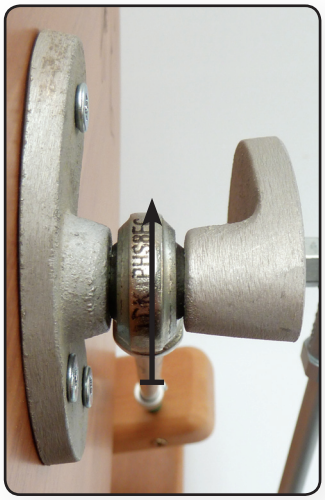
We will start with the pedal on your left hand side. Select the conrod that is CLOSEST to YOU. It is on the end of the curved arm and is attached to the crank assembly with the special right angle rod end connector. Unscrew the 25mm screw most of the way out of the side of the pedal but don’t remove it completely. Push the green joiner into the hole at the end of the pedal on your left until it protrudes by about 2mm. Screw the 25mm gold screw back into the pedal so it holds the green joiner in place.

6a

6b

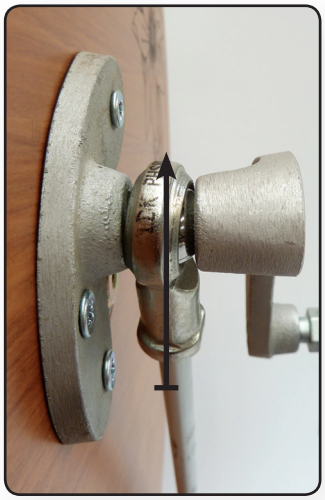
6c

Now work on the pedal on your right. Obviously there will only be one available conrod now which is the one that is CLOSEST to the DRIVE WHEEL. Unscrew the 25mm screw most of the way out of the side of the pedal but don’t remove it completely. Push the green joiner through the hole in the pedal end into the right hand pedal. It should protrude through the bottom of the pedal about 2mm. Check the alignment of the rod end in the crank assembly as shown in the images below. You may need to twist the green joiner in the pedal to correct the alignment. When the rod end is aligned correctly - parallel with the face of the drive wheel - screw the 25mm screw into place. The screw should only be tightened until the head just touches the side of the pedal. DO NOT OVERTIGHTEN!



6d

CORRECT



6e

INCORRECT

6f

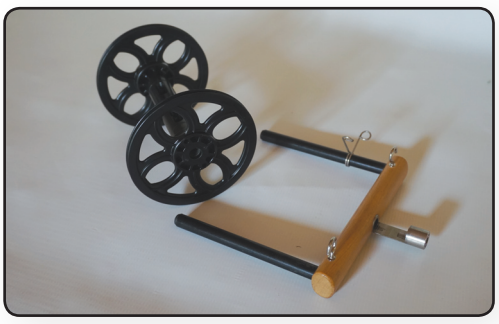
EXTRA

If you are not certain of the connection arrangement, here is a full description. Place the wheel directly in front of you so you are looking at the crank assembly attached to the drive wheel. The rubber joiner that is on the conrod that is closest to you goes into the hole in the pedal on your left. The joiner on the conrod that is furthest from you goes into the hole in the pedal that is on your right.

7. Bobbin, Flyer and Scotch Tension

Required:
1 - Bobbin
1 - Flyer
1 - Tension knob

If you have some petroleum jelly or vaseline, rub a small smear onto the flyer shaft.



7a

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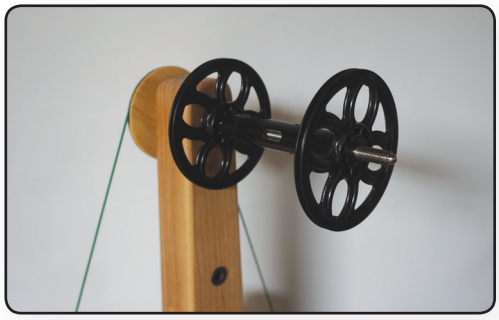
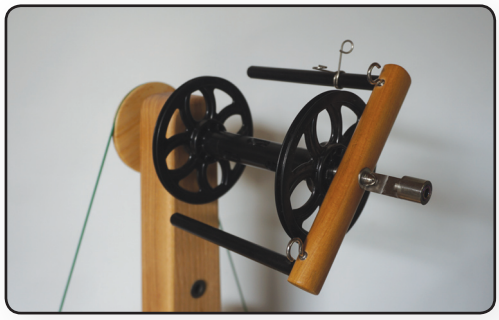


7b

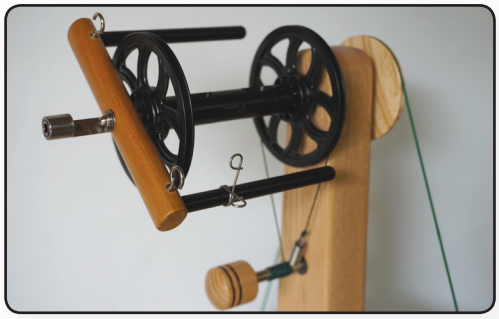
Firstly slide the bobbin on to the flyer shaft.

At this point screw the flyer on to the flyer shaft. It may help to hold the pulley with your left hand and tighten the flyer with your right (assuming you are right handed).



7c

It is time to put on the tension knob and spring. Start by sliding the tension knob into the hole on the stem.

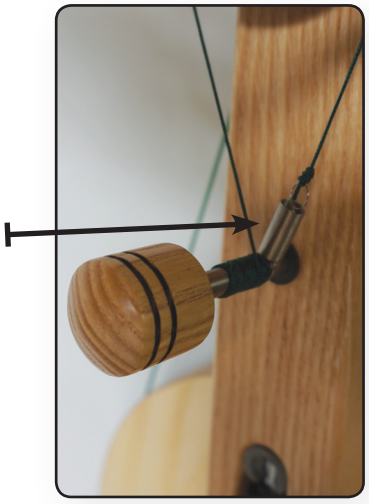


7d

When looking at the wheel from the front (the pedal side), loop the brake tension band over the top of the bobbin from the left hand side over to the right hand side. Slide the tension knob out of the hole in the stem and push the loop of the tension spring over the tension knob shaft. Now slide the tension knob back into the stem.

Here is a more detailed image of the arrangement of the tension spring.

Spring is directed toward the right hand side of the bobbin



7f

You can refer to the Majacraft Spinning Manual for a more thorough description on setting the tension.

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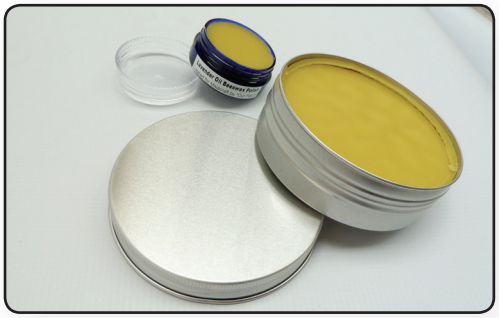
8. Polish

At this point, we recommend that you polish your Pioneer using Majacraft Lavender Polish or alternatively a standard wood polish. While not essential, it will help keep your Pioneer looking great into the future.



8a

Your Majacraft Pioneer is now assembled and you are ready to start on a new spinning adventure! From the team at Majacraft, we wish you great spinning in the future.

Note

The images contained in this instruction manual are a guide only. There may be slight differences in your own Pioneer.

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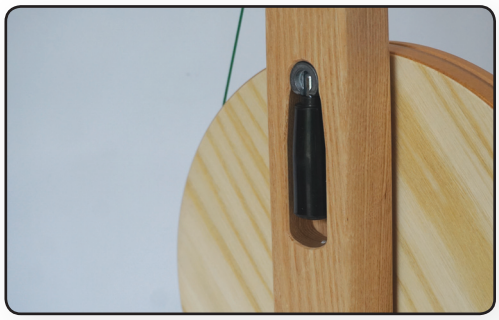
Extra information

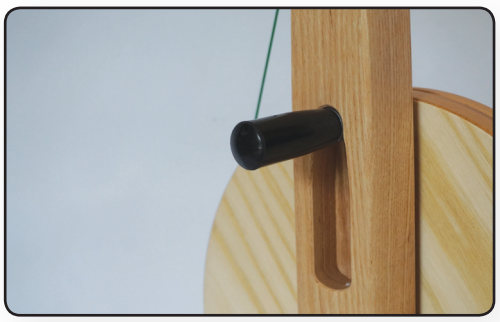
9. Folding handle

The Pioneer has an integrated carry handle. It is simple to open which is achieved by simply reaching under the black plastic end on the stem and lifting it out to clip into the horizontal position.



9a

To fold it back in, grip the black plastic handle and pull it slightly away from the stem in the horizontal direction which will release it from the locking mechanism and then push it downward to fold back into the recess in the stem.



9b

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Notes