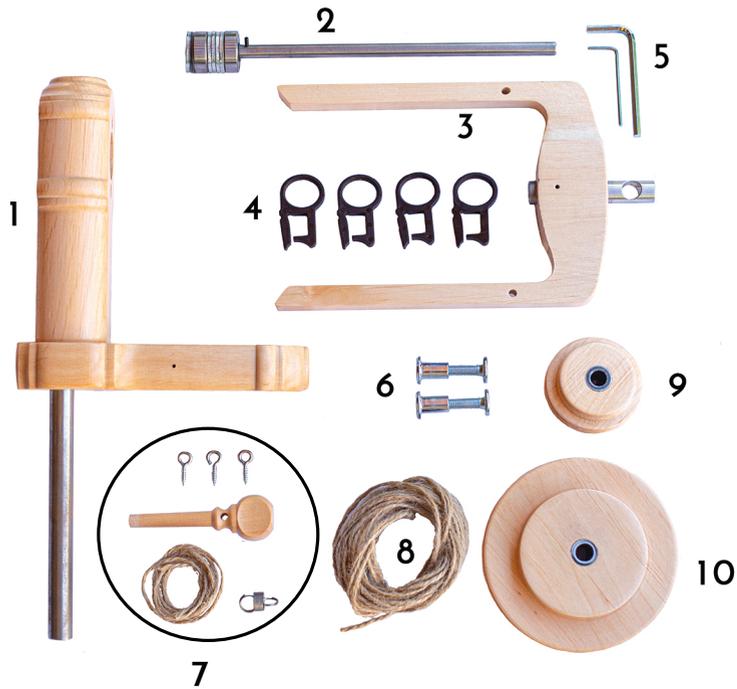


1. Flyer head
2. Spindle
3. Flyer
4. Sliding hooks (4)
5. Hex wrenches (2)
6. Hex bolts (2)
7. Brake band set
8. Double drive band
9. Standard fast whorl
10. Standard slow whorl



# MAGNETIC SONATA *Flyer Head*



## ASSEMBLY INSTRUCTIONS

### Questions? Contact us!

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### additional whorls available

Extra Slow - Jumbo Whorl:  
4,4:1 and 6,5:1  
Extra Fast Whorl:  
20:1 and 22:1



Whorls already included in the set:  
Standard Slow Whorl:  
5,5:1 and 9,5:1  
Standard Fast Whorl:  
10,5:1 and 15:1

### choose your color!



Yellow, pink or blue flyer hooks are available as an optional purchase. Brown flyer hooks are already included in the set.



1. Remove the old Flyer Head and set aside.



2. To assemble the Mother of All, gather these parts: MOA Base, Spindle, Cap Nuts and Bolts (2) Allen Wrench



3. Carefully remove the tape from the end of the spindle. Make certain to keep all of the washers in place.



4. Insert the end into the large hole on the base. Carefully align the washers as you push the spindle all the way in. You may need to tap gently with a light hammer as you do so.



5. It should rest flat against the base.



6. Next, insert the cap nuts and bolts. Use the allen wrench to tighten.



7. The caps will overlap the spindle washer and hold everything in place. The MOA is now ready to attach to the wheel.



8. Locate the pin on the spindle.



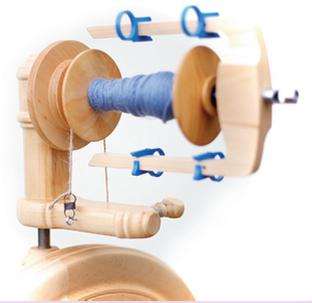
9. Loosen, but do not remove, the tiny screw on the whorl using the included allen wrench.



10. Slide the whorl onto the spindle. Adjust the position until the pin slides into the notch on the center of the whorl.



11. Use the allen wrench to tighten the screw and secure the whorl in place.



12. Slide the flyer hooks onto the flyer so that there are 2 on each arm. Each set should face in opposite directions for balance.



13. Place the bobbin onto the flyer with the larger pulley towards the back.

14. Rotate the whorl as you slide the flyer onto the end of the spindle. The magnets will connect and the flyer will lock into position.

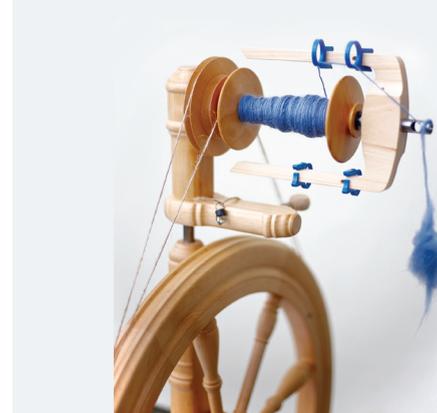


15. Install the eye hooks onto the MOA base, one on each side, so that the opening faces down.

16. Slip the brake spring onto the hook on the left. Lay the brake band across the bobbin pulley and through the second hook. Insert the tension peg into the hole on the MOA base.

The Sonata Flyer Head Kit comes with a long hemp string. This is a drive band. With this new flyer head, your wheel now has the ability to become a **Double Drive Wheel!**

Tie the original poly drive band around the base of the wheel post to keep it out of the way. Do the same with the double drive band should you decide to switch back and forth between the two.



**Install the double drive band:**

Wrap the drive band around the drive wheel, over the bobbin pulley, back down and around the wheel a second time, ending up with both ends of the string coming together over the largest diameter groove of the whorl. Tie a snug square knot. Pull the knot ends as tight as possible. Trim the ends close. To adjust the tension, raise or lower the MOA using the knob at the top of the wheel post.