

Sewing Machine Workshop



At BeAM Makerspaces

Safety Concerns

- Make sure the area surrounding the machine is clear.
- Stay with the sewing machine the entire time it is on.
- Use materials only approved by BeAM staff.
- Keep hands at safe distance from sewing machine's foot.



PARTS OF A SEWING MACHINE

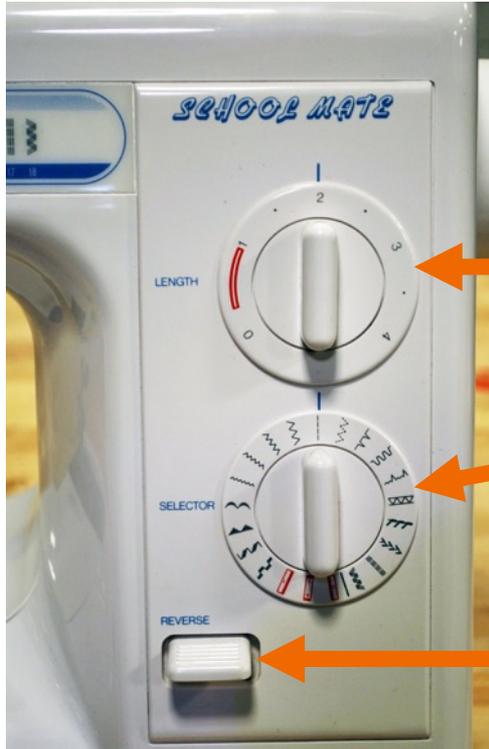
Janome School Mate and HD-3000



Parts of the Sewing Machine



Parts of a Sewing Machine



Zigzag Width Selector



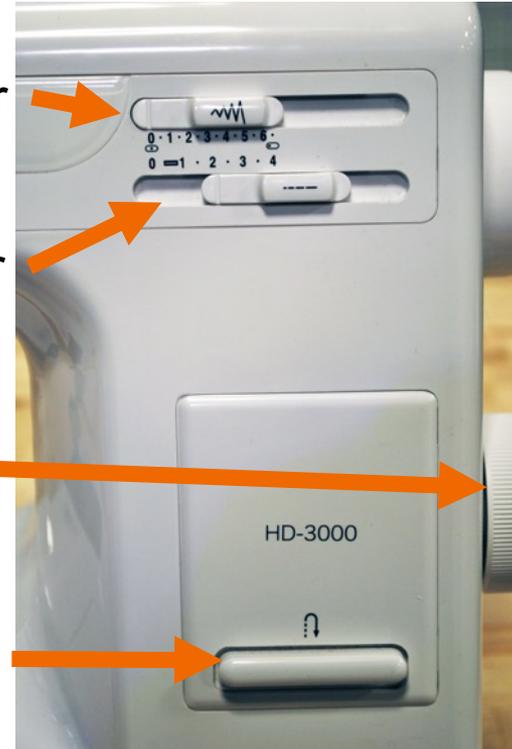
Stitch Length Selector



Stitch Selector



Reverse Stitch Lever



Parts of a Sewing Machine

School Mate



Balance/Hand Wheel

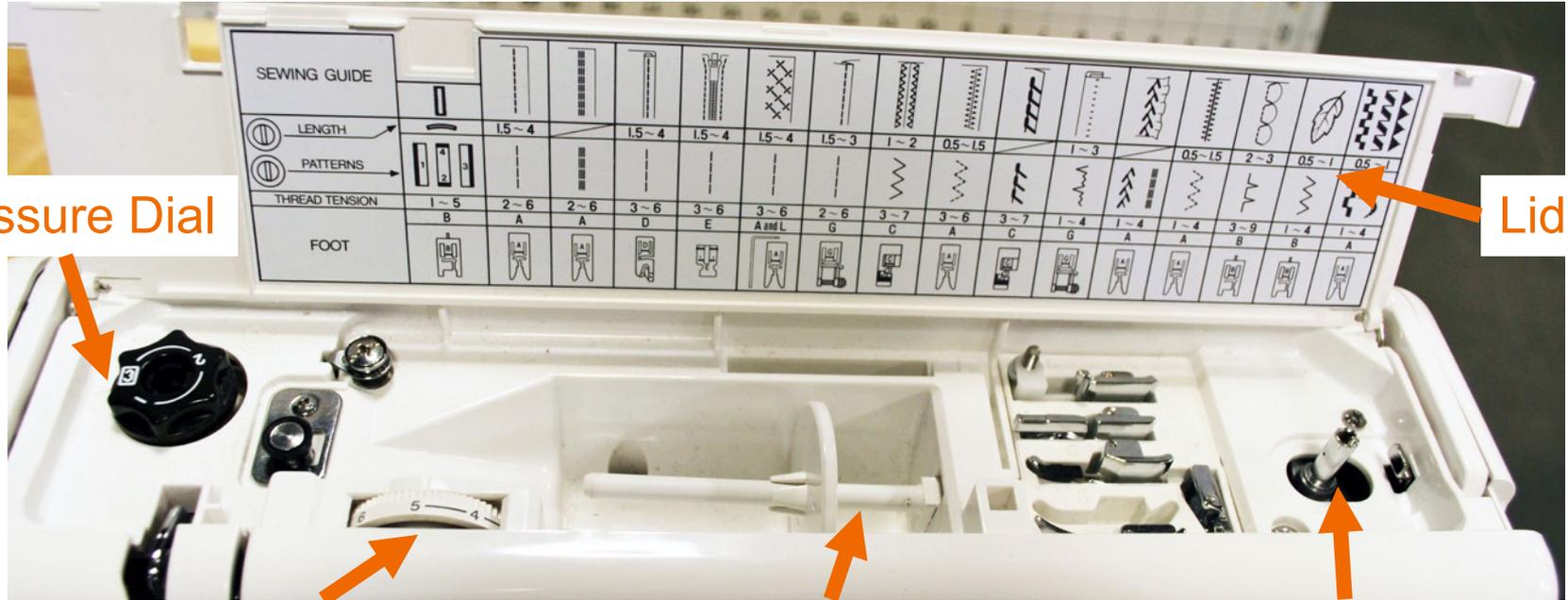
Stitch Selector

Power Switch



HD-3000

Parts of a Sewing Machine



Pressure Dial

Lid

Tension Dial

Spool Holder

Bobbin Winder

Parts of the Sewing Machine



The Bobbin



The sewing machine pulls thread from the spool and the bobbin.

SET UP

Video Explanations

Continue to the next slide if you'd prefer text/pictures.

Winding the Bobbin: <https://youtu.be/zLXRYEnpZag>

Inserting the Bobbin: <https://youtu.be/2cmHqL5vsp0>

Top Threading the Machine: <https://youtu.be/fbC8UrhSWyU>

Sewing Tips: <https://youtu.be/kfxl-puVSYs>

Getting Set Up: Winding the Bobbin



Take the thread from the spool, wind it around the knobs in a clockwise motion, then send the thread through the bobbin from the inside of the spool to the outside

Getting Set Up: Winding the Bobbin



Place the bobbin on the holder and push both to the right.

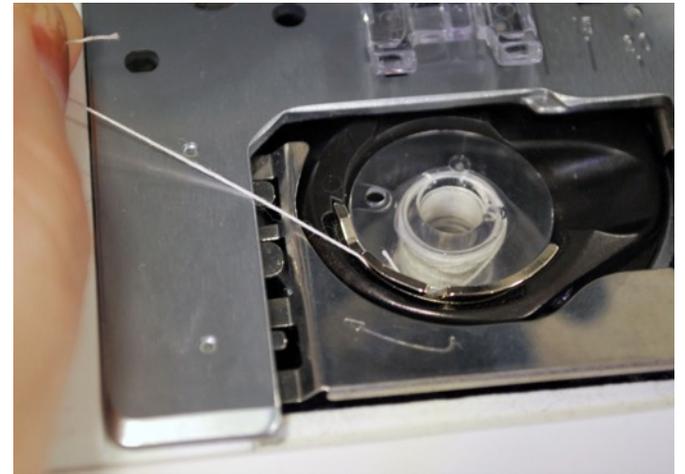
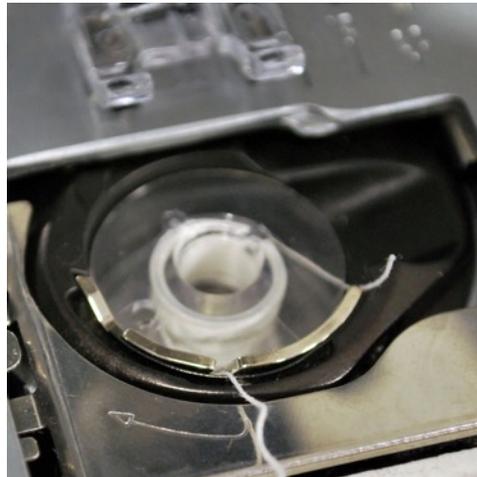
Wind the spool with as much thread as you need, then push the bobbin and holder back to the left.

Getting Set up: Inserting the Bobbin



Place the bobbin into the needle plate with the thread hanging down the left side (making a letter P).

Getting Set up: Inserting the Bobbin



Place the bobbin into the needle plate.

Thread the bobbin's material through the notch

Pull the thread through the channel

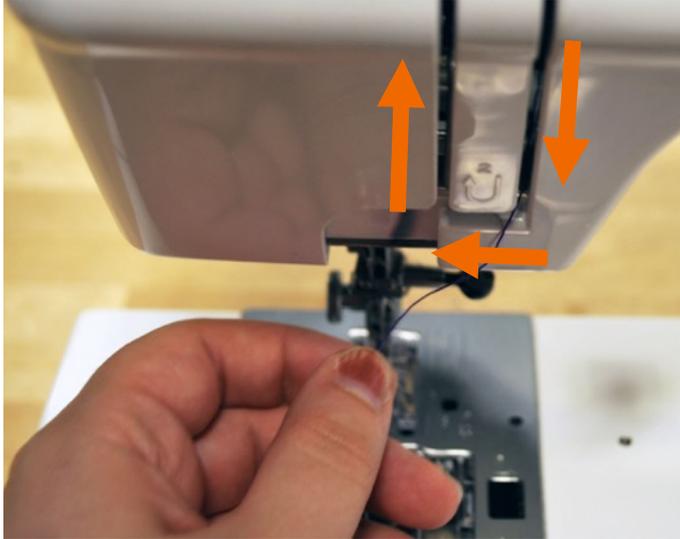
Getting Set Up: Threading the Machine



Put thread on the spool holder

Take the thread from the spool and wrap it around the knob

Getting Set Up: Threading the Machine



Bring the thread down the channel and make a U-Turn



Pull the thread through the metal latch and run back down to the needle.

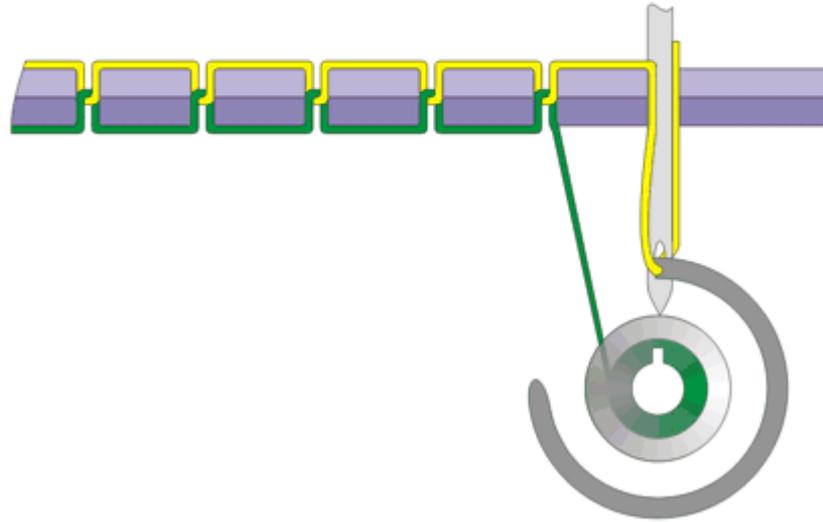


Getting Set Up: Threading the Machine



Feed the thread through the metal latch above the needle, and then thread the needle.

Getting Set Up: Drawing up the Bobbin



Getting Set Up: Drawing up the Bobbin



Hold the thread coming from the spool to keep tension.

Once you see a loop from the bobbin and the spool's thread going through the loop, use either the needle plate cover or a similar shaped object to pull both threads away from yourself – through the back of the needle plate area.

USE

Starting to Sew



- The Foot must be down before sewing.
- At the start and finish of your stitch, reverse the sewing path to stitch over top of what you've run. This “knots” your stitching.

Changing Directions

Ensure the needle is **DOWN** in the fabric.

Raise the foot, so it is not holding the fabric down

Turn the material to the direction you next want to go

Re-press the foot to secure the material and continue sewing.

