Brother Knitting Machine Orientation

K - Carriage Diagram

1. Row Counter Tripper
2. Carriage Handle
3. Tension Dial
4. Change Knob
5. Holding Cam Lever
6. Cam Button Release Lever
7. Weaving Pattern Brushes
8. Weaving Pattern Lever
9. Yarn Feeder Setting Screw
10. Cam Buttons
11. Yarn Feeder Lever
12. Yarn Feeder
13. Knobs
Brother Knitting Machine Orientation

K-Carriage Buttons and Knobs

01 Yarn Feeder:
Open gate and slide yarn into position A and then close gate. Position B is for multicolor knitting. If gate is open during knitting, yarn can come out and knitting will drop.

02 Holding Cam Lever:
N: Normal Position (All Needles Knit)
H: Holding Position (Needles in Position E will not knit)

03 Cam Release Lever and Cam Buttons:
Tuck: Right and Left buttons used for directional Tuck stitches
MC: Used for multiple color knitting (Jacquard)
Part: Right and Left buttons used for direction miss stitches

04 Weaving Pattern Knobs:
N: Normal Knitting (Brushes are up)
W-T: Knit weaving (Brushes are down)

05 Tension Dial:
The stitch length is determined by the tension dial position. 0= smallest stitch length (tightest tension)
10= largest stitch length (loosest tension).
Please adjust the tension depending on the thickness of yarn used. Thicker yarns will require looser tension.

06 Change Knob:
N-L: Normal Knitting / Lace Knitting
KC: Knit Card (Punchcard Knitting)
SM: Single Motif (Punchcard Knitting)
CR: Carriage Release (for carriage jams)
Needles and Positions:

01. Latch Hool Needle:
- Single Bed has 200 latch hook needles
- Hook: Holds the stitch
- Latch: Allows new stitches to form
- Butt: Used to push needles into various positions
- Stem: Length of needle

01. Needle Positions:
A: Non working position
B: Working position (used for general work)
D: Pattern Knitting Position (when using Punchcards)
E: Holding Position (when Holding Cam Lever is in position H, stitches will hold on the needle hook but will NOT knit.)
## Brother Knitting Machine Orientation

### Yarns and Knitting Tension

<table>
<thead>
<tr>
<th>Types of yarn</th>
<th>Recommended Tension #</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Very fine yarn</td>
<td>1 ~ 3</td>
</tr>
<tr>
<td>2. Fine yarn</td>
<td>3 ~ 5</td>
</tr>
<tr>
<td>3. Medium yarn</td>
<td>5 ~ 7</td>
</tr>
<tr>
<td>4. Thick yarn</td>
<td>7 ~ 9</td>
</tr>
<tr>
<td>5. Very thick yarn</td>
<td>8 ~ 10</td>
</tr>
</tbody>
</table>

- **LACEWEIGHT YARNS**
  - 2/32 - 2/16 (3/24)
  - Tension: 3–4

- **LIGHT FINGERING WEIGHT**
  - 2/16 (3/24) - 2/12 (3/18)
  - Tension: 5–6

- **FINGERING YARNS**
  - 2/12 (3/18) - 2/8 (3/12)
  - Tension: 7–8

- **SPORT WEIGHT YARNS**
  - Tension: 9–10
This is the order of threading the yarn through the tension mast:

1. Thread yarn through back yarn guide.
2. Pass the yarn through spring.
3–4: Pass yarn through front yarn guide.
5. Thread yarn through the Take up Spring.
6. Clip yarn into Yarn Clip.

NOTE: Please follow this order. Otherwise the yarn will not be tensioned correctly and this affects the knitting.
1. Latch Hook Tool:
   - Used for casting on and casting off stitches
   - Used for picking up dropped stitches
   - Used for linking knits together

2. 1 x 2 Transfer Tool
   - Used for transferring stitches for increases/decreases, cables etc.

3. 1 x 3 Transfer Tool
   - Used for transferring stitches for increases/decreases, cables etc.

4. 2 x 3 Transfer Tool
   - Used for transferring stitches for increases/decreases, cables etc.

5. Needle Pusher
   - Used to move stitches forward or as a ruler

6. Claw Weights
   - Used to weigh down the fabric while knitting, by hanging on the cast on comb or directly on the fabric

7. Cast on Comb
   - Comes in different lengths
   - Used during the cast on process to pull down each stitch while knitting
Brother Knitting Machine Orientation

Casting on: e-wrap

01  - Position K Carriage on the right side of the machine
     - Push all desired needles forward (into position E)
     - Wrap the yarn counterclockwise, starting on the left most needle and continue toward carriage

02  - Do not wrap the final needle, run the yarn under the last needle and put yarn into yarn feeder
     - Close yarn feeder and knit across one row

03  - After one row of knitting, hang cast on comb from stitches
     - Hang weights on cast on comb and continue knitting