

LONG ARM USER GUIDE

Updated 4/23/2025

Innova M24 Longarm Machine

THE RED KNOBS THAT ARE USED TO UNLOCK THE LEADERS SHOULD ONLY BE TURNED CLOCKWISE!

If you encounter any problems or have any concerns or questions about the longarm, kindly fill out the form named "Machine/User Concerns" available on the website.

Preparation

Unlock cabinets 104Z and 104AA.

Take USER GUIDE out of cabinet and follow ALL of the steps

Remove cover

Turn on machine

Horizontal and Vertical Hold

The longarm head's base is where the horizontal and vertical grips are located. They're gold and red. These locks are easy to operate and will secure to the machine's frame. The machine will operate in a horizontal line if the vertical hold is locked. The machine will operate in a vertical line if the horizontal hold is locked. The machine head as a whole will not move if BOTH are locked. The website has a video titled "Vertical and Horizontal Locks."

Make sure your quilt backing is squared properly and is 3-4 inches larger than the quilt top on ALL sides.

Wind your Bobbin/s (ONLY USE INNOVA BOBBIN CASE AND RED BOBBINS)

Use the Innova bobbin winder to wind the bobbin. Make sure the thread guide at the top is carefully lined up with the center of the bobbin. Check for even winding, and that the bobbin is not spongy. A well wound bobbin is your key to success.

Place the bobbin in the bobbin case, thread, and pull through the circle on the side. Bobbin must spin clockwise when thread is pulled. Test your bobbin. THEN place thread through the pelican slot.

Cleaning machine prior to each use.

Use DRY microfiber cloth to sweep all tracks including cross tracks. Clean rails and top of machine of loose debris.

ONLY use the paint brush to clean all areas of the bobbin holding area.

Loading the Innova:

Using Red Snappers:

Snap the bottom of your quilt backing to the leader that says BACK, positioning it right side DOWN, and centering it on the leader. Roll your quilt backing on the BACK LEADER leaving about 12 inches free.

Unlock the Takeup Roller, and bring the TAKE UP LEADER under the silver “Dead Bar.” **THE RED KNOBS THAT ARE USED TO UNLOCK THE LEADERS SHOULD ONLY BE TURNED **CLOCKWISE!**** Snap the top of your backing (centering it) to the TAKE UP LEADER. Lock the Takeup Roller, and unlock the Back Roller. Roll your Back onto the Takeup Roller until snug and lock BACK roller.

Attach clips to the sides of the backing.

Thread

DO NOT unthread the machine after each use. Place the spool on the holder and tie on the thread from the cone and pull it through the machine. Pull thread from the front of the machine at the TAKE UP BAR level and then thread it through the needle. When finished, unthread needle to the take up bar, secure BOTH cut ends of the thread around the closest handle.

Tension on machine

DO NOT CHANGE the tension on the machine or bobbin case. The tension is set for the Superior So Fine 50 weight thread that our club is purchasing for your use. ONLY use the thread the club has in the cabinet.

Needle

DO NOT change the machine needle. The needle will be changed according to manufacturer recommendations by the longarm committee.

Touch the left hand single stitch button to raise the needle to the highest position. With the needle raised to the maximum height, place just a single small drop of oil on the lower shelf of the race, at the 8 o'clock position. This must be performed at the start of every 4-hour user session on the machine.

Insert the bobbin with the latch in the CLOSED position directed at approximately 3 o'clock and push it firmly into place. You MUST hear a “click” to confirm it is properly positioned. Use the release latch ONLY for the removal of the bobbin case.

Batting and Top of Quilt:

Lay batting smoothly on top of the backing, about ½ “ from the top edge of the backing.

Place the quilt top with 3-4” on each side on top of the batting.

Smooth and straighten the quilt top, ensuring that the sides are straight.

Touch the Screen to Wake Up Stitch Regulator

This is the ONLY display you will utilize. The home display will modify stitches per inch, laser light, and lights around the needle. Press the Blue Cruise Button to switch to Gray Regulated mode. All machine operators should be using the Regulated mode only.

Needle Position

The needle position for individual work is easy to change. The needle position button is on the home screen. If the needle is in the UP position it's Gray. If you prefer the needle in the down position tap this button to change it to Blue. At the beginning of your session, please check which position we would prefer. You can refer to the diagram in the user guide for clarification.

Test your bobbin on the left side of your quilt in the excess area. This process will distribute the oil to lubricate the machine.

Set the Basting Stitch Regulator to the second position on the screen to set at 5 Stitches Per Inch. Baste all 3 layers together. (If you need a refresher, refer to the diagram in the user manual.)

Setup Pantograph

Unroll a pantograph on the rear table aligning it above the blue tape.

Using the laser light:

Slide the pantograph to align the starting point on the pantograph with the side of your quilt; map out the top of your quilt area positioning your quilt using the rollers; and place a blue strip on the pantograph designating the end of your quilt.

Quilting Your Quilt

Change the Stitch Regulator to the 4th position on the screen to set at 11 Stitches Per Inch. (If you need a refresher, refer to the diagram in the user manual.)

Position your needle at the starting point of your pantograph. Pull up your thread and secure it. You are now ready to quilt. Using the right hand button to begin quilting your pantograph. Use the right hand button to stop quilting at the end of your quilt.

After you've completed your first pass (one row of the pantograph), cut your threads.

Place marker (scissors) at reference point (the highest point of stitching) on the quilt top. From the back table move the longarm head until the laser is aligned with the corresponding spot on the pattern repeat (grayscale) row of the pantograph.

Unlock 'Back' roller, roll quilt until the marker (scissors) is inline with the machine head.

Remove scissors, baste sides, return to pattern starting point, pull up bobbin thread, and secure. Now you're ready to quilt another pantograph row. Repeat this process until you can baste the bottom of your quilt along with the sides of your quilt. If your pantograph pattern is larger than the area for your last row, place blue stripes on the pantograph to mark the top of your quilt to finish.

Closing and Cleaning:

At the end of your session turn off the machine.

Release the tension and remove the quilt.

Roll up leaders and engage rollers into the LOCK position.

Remove the bobbin case and bobbin, and RETURN THEM TO PROPER LOCATION in the cabinet.

Leave the machine threaded between users. Cut the spool thread - leave a long enough tail of thread to wrap around the handle on the front and rear of the machine .

Use the small paint brush to **thoroughly** clean out the bobbin area.

Use a DRY soft cloth to sweep all tracks including cross tracks and the longarm frame table. DO NOT put any liquid on the machine.

Cover the machine.

Recording your time spent on the machine:

Fill in the form on the inside of cabinet 104AA.

Print your full name, the date you used the machine, and the approximate time that the machine was actually stitching.

KEEP TRACK OF YOUR ACTUAL TIME THE MACHINE IS STITCHING

(ie: If each pass takes 5 minutes and you do 8 passes, $5 \times 8 = 40$ minutes ACTUAL sewing time.)

When quilting your personal quilt, the payment is 16.00 for the 4 hour session.

Place payment in the envelope that is provided by the club, or make payment on Zelle that day (please). When using Zelle, provide the date and designate longarm payment for our bookkeeping purposes.

Check that ALL ITEMS are neatly placed back in the longarm cabinet and that the cabinets are locked. Double check that the machine is turned off.