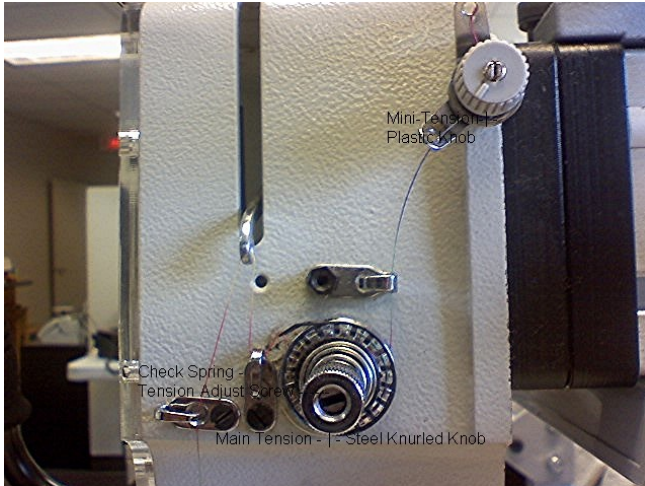




Service Bulletin

Adjusting the Tension on the Innova Quilting Machine



Setting the tensions on the Innova Machine require the correct setting of the – 3 different tensions on the front side of the machine. Before adjusting it is necessary to re-set these tensions back to the factory starting point.

- (1) Loosen the Mini-Tension plastic knob all the way until the two tension discs can be separated, and hold that open position.
- (2) Loosen the main tension- steel knurled knob until the chrome bee hive spring is floppy and loose.
- (3) Rotate the check spring tension adjust screw counter-clockwise until the check spring rotates with the screw driver. After moving to the left- rotate the screwdriver clockwise until the check spring stops in the original position. Now give the screw driver a $\frac{1}{4}$ turn more clockwise.
- (4) Now thread the machine and pull on the loose end of the thread either in the needle or last thread guide. **Caution:** there should be NO tension on the thread at this point. The thread should pull very easily. Watch the check spring to see if it pulls down to the thread guide just below it. It can wiggle but must NOT pull down. If it does; adjust the tension adjust screw 5 more minutes clock wise. Repeat this process up to 3 times.
If the check spring still pulls; down check your threading process, make sure the rotary disc is still threaded.

If the check spring still pulls down call ABM for assistance.

Now adjust the Mini-Tension knob clockwise until the two steel discs come completely together, then; add 1 full turn clockwise. DO NOT TOUCH THIS TENSION AGAIN FOR ANY FUTURE ADJUSTMENTS.

Now start turning the Main steel knob tension clockwise while you pull the loose end of the thread. Continue to adjust the tension knob until the check spring pulls down to the thread guide just below it.

You are NOW ready to sew.....

Remember the check spring tension can be as important as the main tension. The check spring helps to set the stitch. If the stitches are not good continue- In the beginning adjust the check spring at least 5 more minutes clockwise. Then add 5 more minutes of the main tension. Repeat this process up to 2 more times.

If the stitches are still not quite right adjust ONLY the main tension Knob.

Additional important points.....

Initially set the hopping foot at the thickness of a nickel when the needle is down. If the results are still not quite right try a dime.

Do not Struggle... if you are not HAPPY ----C A L L.