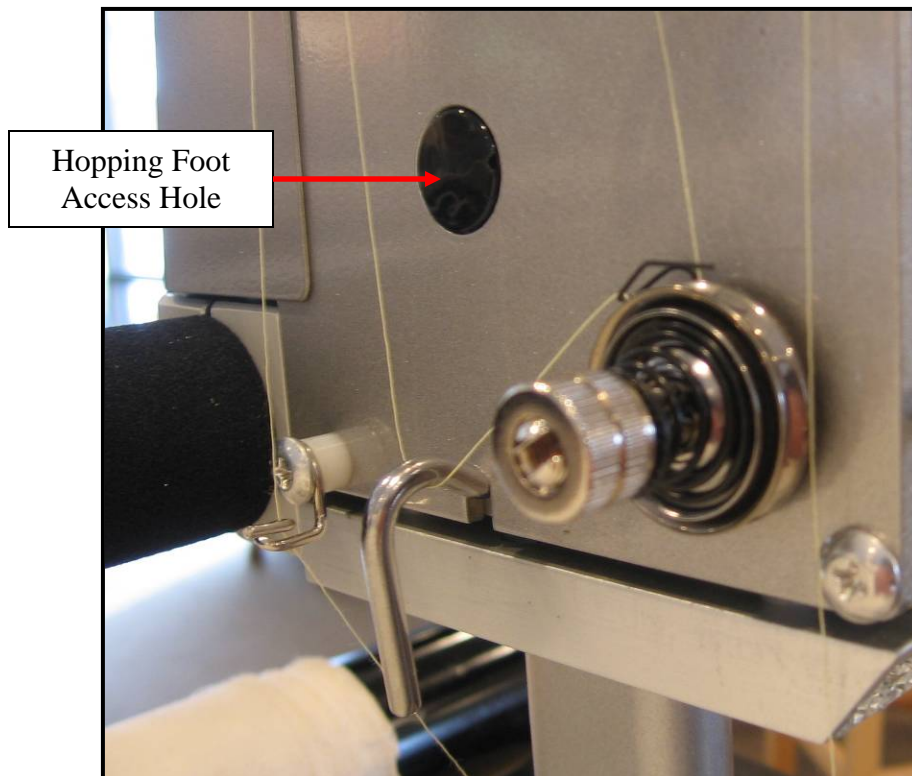


Appendix H

Adjusting the Hopping Foot

- The hopping foot height is set at the factory for today's popular thin battings. This height is 1/64"—about the thickness of a business card. The foot will “hop” up and down as the machine stitches so that the fabric is not pushed and bunched by the foot. Some circumstances may require you to raise the foot slightly, such as stitching through heavy fabric like denim, polar fleece, upholstery fabric, etc. Thick batting may also require raising the hopping foot, as well as quilts with bulky seams or intersections.
- Any hopping foot adjustment must be made with the needle bar in the LOWEST position. Use the fly wheel on the front of the machine to lower the needle completely. Note that the hopping foot also lowers.
- Check the hopping foot height by sliding a business card under the foot. It should slide easily under the foot without binding, but should not have a lot of “play” between it and the throat plate. This is the position you should return the foot to when you are finished with your special project.



- If you need to adjust the hopping foot, remove the black plug from the access hole on the right front side of the quilting machine (the same side on which the tension control knob is located). Insert a flat blade screwdriver into the access hole and engage the blade into the hopping foot locking clamp screw. *NOTE: You may find it easier to remove the front LEFT panel of the machine on the opposite side of the head before adjusting the hopping foot. This allows more light into the sewing head, making it easier to see the clamp screw.*
- Make sure the needle is in the lowest position before proceeding.
- Loosen the clamping screw by turning it to the left. You'll now be able to raise or lower the hopping foot as needed. Make the adjustments just a bit at a time; for example, try folding a business card and placing it under the foot, or place a dime under the foot (away from the needle, of course) for a bit more clearance. Let the foot rest on the card or dime, and make sure that the needle is centered in the foot's opening. Tighten the clamping screw by turning it to the right.
- Turn the fly wheel by hand and observe the foot as the machine progresses through a "stitch sequence." If any additional adjustments are needed, be sure to make them with the needle in the lowest position. Replace the black plug into the access hole.
- Place a sticky note or other reminder on/near your machine to remind you to return the foot to normal operating height (set the hopping foot so that the clearance is the thickness of a business card) when you are finished with your special project.