

# CHANGING THE PRESSER FOOT SHAFT ADJUSTMENT

As all presser feet are unique, the machine may require some adjustments. These adjustments should be made when attaching the foot to the presser foot shaft. The following pages detail the information on the adjustments when attaching a new foot.

**It may be necessary to follow these steps when changing to a different presser foot.**  
**Try attaching the presser foot first before making any adjustments.**

1. Remove the front cover on the sewing machine by removing single screw on top and two screws on the bottom.
2. To release pressure on the spring inside the front of the machine, unscrew presser foot pressure knob, but do not remove it. Next loosen the shaft collar. This will make it easier to adjust the presser foot height.  
*See Fig. 1 and 2.*
3. Make sure presser foot lever is in the down position. Attach new presser foot by removing presser foot screw completely. Attach new foot and tighten presser foot screw.
4. Use a large screwdriver to loosen the set screw on presser foot shaft collar.

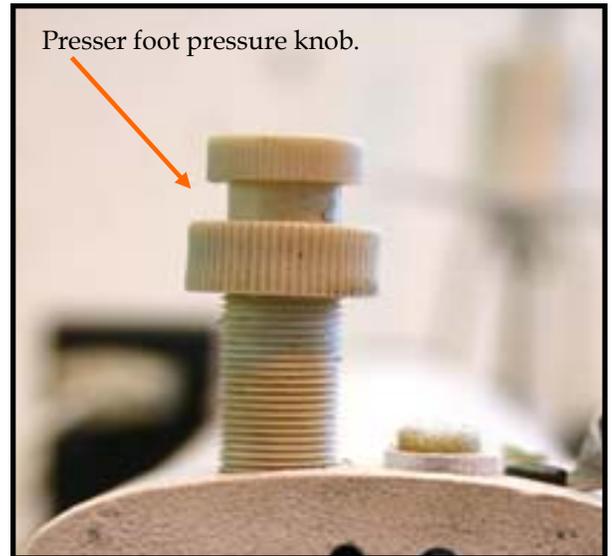


FIG 1

Presser Foot Shaft Spring

Presser Foot Shaft

Presser Foot Shaft Collar

Set Screw

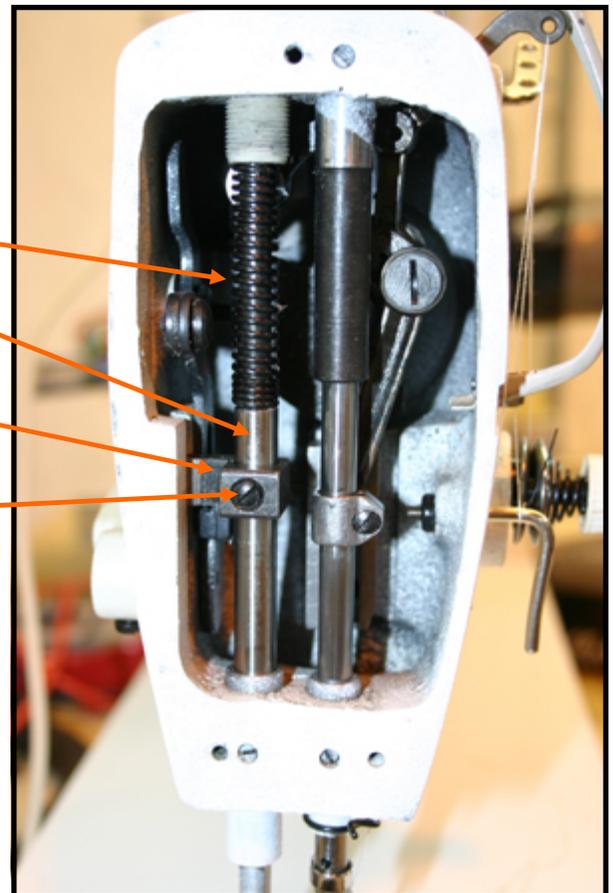


FIG 2

# PRESSER FOOT SHAFT ADJUSTMENT

5. Raise Presser foot lever to up position. *Fig 3.* If attaching the “Hinterberg Fat Foot”, the presser foot lever should be in the down position.
6. Using your finger under the ‘heel’ of the presser foot, push the foot up until it rests against the underside of the head of the machine. *See Fig 3A.* If using the “Hinterberg Fat Foot”, push the foot up to the desired height off the throat plate (approximately the thickness of a dime).



FIG 3A

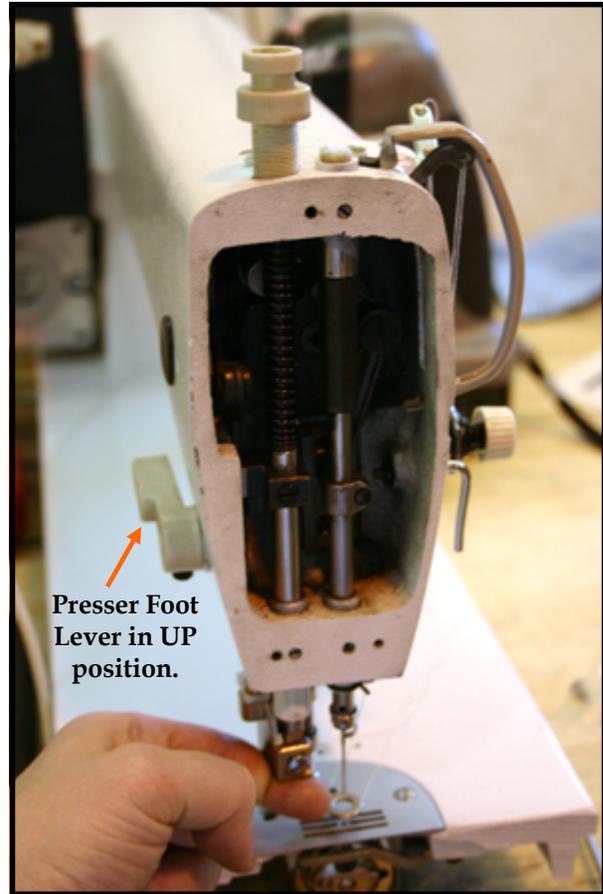


FIG 3

7. While holding presser foot up, tap the shaft collar down with screwdriver to make sure the collar hasn't moved while making the adjustment to the presser foot shaft. (It is likely that it hasn't moved.)
8. While holding presser foot up, tighten set screw. You have now adjusted the height of your presser foot shaft so that there is enough room for the newer, larger foot.
9. Make sure that the needle hole is centered in the foot. If it is not centered, loosen the screw and turn the presser foot shaft until it is centered. *See Fig 4*
10. Test the new presser foot height by raising and lowering the presser foot using the presser foot lever.
11. Screw the presser foot pressure knob back into place and tighten the collar. If you find your presser foot lever to be stiff (when raising and lowering the foot), unscrewed the knob a few turns to make it easier to raise and lower the foot.



FIG 4

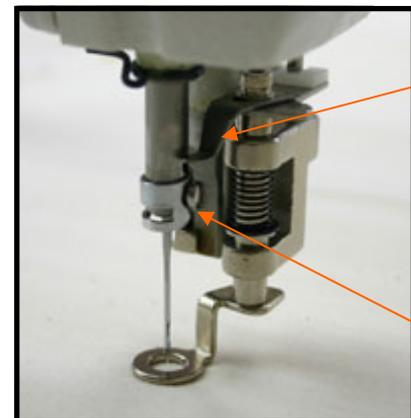
# ATTACHING THE HOPPING FOOT

1. Using a needle-nosed pliers, or a 2.5 mm Allen wrench, loosen the screw at the top of the foot which holds the hopping lever in place. Don't remove the screw, just loosen it so that the hopping lever can swing easily. See Fig. 1



Fig. 1

2. Attach the hopping foot and turn the hopping lever so that it will make contact with the top of the needle screw. You may need to power off your machine and turn the hand wheel to get the needle into the right position for setting the hopping lever. See Fig. 2.



Hopping  
Lever

Needle  
Screw

Fig. 2

3. Tighten the screw to hold the lever in place. Turn the hand-wheel a few times to make sure that the needle screw lifts the hopping foot at the hopping lever. If the needle screw pushes up on the hopping lever when the needle is in the highest position, the hopping lever may bend and break. To solve this problem, you will need to adjust the height of your presser foot (See pages 3 & 4, presser foot shaft adjustment) or put small washers under the hopping lever to raise it and avoid bending the lever.

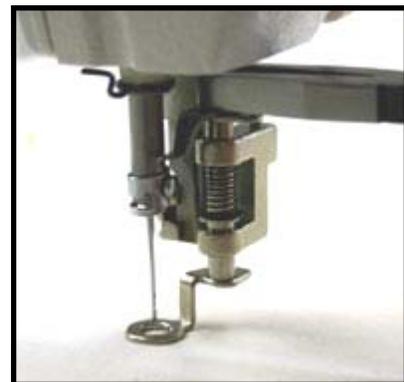


Fig. 3