

Sewing Machine Service includes:

- 1) Hook timing (includes hook height, removal of burrs on the hook, and adjustment of hook to needle gap)
- 2) Feed system timing (includes setting feed dog height, as well as adjustment and lubrication of stitch length block, plus setting the "0" stitch length and stitch length balance)
- 3) Check and adjust tensions (includes cleaning tension assembly, bobbin case and calibrating tensions for both sewing and embroidery settings)
- 4) Calibrate and clean touch screen as needed
- 5) Check and adjust upper and lower shaft tolerances
- 6) Check, clean and adjust both manual and automatic thread cutters
- 7) Check and adjust check spring (includes cleaning)
- 8) Check motor, motor brushes and clean motor
- 9) Check and adjust motor belt tension
- 10) Check and adjust timing belt tension
- 11) Check and adjust gear mesh (includes cleaning gear teeth)
- 12) Check and adjust needle bar height, twist and needle position including centering the zig zag and end stop position
- 13) Check and adjust needle threader
- 14) Check and adjust built in walking foot height, position, and length
- 15) Update sewing machine firmware (operating software)
- 16) Check and adjust side feeding step motor, including balancing side motion stitching
- 17) Adjustment of the needle plate including removing and smoothing burrs from plate
- 18) Check and adjust the presser bar twist and presser bar height
- 19) Check and adjust bobbin winder stop
- 20) Check, clean and adjust bobbin winder release clutch
- 21) Check, clean and adjust reverse mechanism
- 22) Check clean and adjust pattern mechanism and free up cam followers and linkages

NOTE: (Component removal and replacement could take longer and could cost more)

Serger adjustments include all pertinent sewing machine adjustments as well as:

- 1) Looper timings, including height and remove burrs from loopers, plus setting looper tolerances and looper to needle tolerances
- 2) Looper/needle guard needle clearance
- 3) Adjust cutter timing and height
- 4) Adjust cutter covers
- 5) Adjust looper thread guides
- 6) Check and adjust machine for cover stitch and chain stitch

Embroidery unit service:

- 1) Check and adjust embroidery unit calibration
- 2) Check and adjust hoop sensor as needed
- 3) Check and adjust embroidery unit belt tensions
- 4) Lubricate embroidery unit as needed