

Recommended Maintenance Schedule

Each Quilting Session	Clean lint from bobbin case with every bobbin change
	Wipe needle bar to remove any oil
	Wipe hopping foot to remove any oil
	Dust off table
	Check oiling wicks with fingertips; oil if needed
Between Every Quilt (or more often if quilt project is extensive)	Clean and oil machine as described in manual
	Insert a new needle (or check current needle for burrs or wear)
	Check that canvases are still parallel to the roller
	Blow compressed air between tension disks
	Dust off table
	Wipe rails and carriage with a soft rag and rubbing alcohol to remove any oxidation
	Wipe wheel grooves with a soft rag or a Q-tip and rubbing alcohol to remove any oxidation
Once a Month	Remove the left front cover and check for any thread wrapped around the fly wheel if optional fly wheel cover is not used; wipe out dirt and excess oil
	Check that oiling wicks are correctly positioned inside sewing head
	Remove needle plate cover and wipe out hook assembly area, including under the needle plate
	Check hook assembly for burrs
Every Six Months	Check hopping foot for looseness or “play”
	Check needle bar for looseness or “play”
In Humid Climates or during Humid Weather Season	Remove left front cover and put one drop of oil on the shaft behind the rocker arm for the hopping foot
Every Year	Check Motor Brushes
	Remove top covers and blow compressed air on circuit boards, belts, etc.
Every 3-5 Years (depending on usage)	Consider sending the sewing head to APQS for a thorough check-up

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If Needle Breaks	Insert a new needle
	Check hook assembly for burrs
	Check needle hole in throat plate for burrs
	Review timing if stitch quality is affected
If Top Thread Breaks Frequently	Check tension setting
	Check tension disks for lint
	Check pigtail thread guides for wear or grooves
	Check thread path
	Place cotton batting in first thread guide to provide resistance
	Check spool's winding pattern and use correct thread holder—vertical or horizontal
	Replace the Needle
	Remove front left cover and check for thread wrapping inside the machine
	Try a different spool of thread
	Loosen bobbin tension
Try a different weight bobbin thread	
If Needle Up/Down Slows Down	Remove left front cover and check for any thread wrapped around flywheel if optional flywheel cover is not used
	Check motor brushes
	If both above are ok, then adjust circuit board for positioning speed