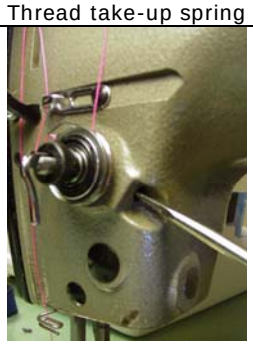
THREAD TAKE-UP PARTS

By Wayne Snyder, USAPR Instructor

THREAD TAKE-UP ARM allows slack in the top thread so the hook can take top thread around the bobbin case and after top thread is dropped off by the hook the thread take-up arm takes up this slack and sets stitch in the goods.	Thread take-up arm
THREAD TAKE-UP SPRING (check spring) The thread take-up (check) spring: takes up slack in the top thread when the needle is out of the goods so that the top thread does not loop around needle (or other parts) nor is it pierced by the needle.	Thread take-up spring off stop
a. Set tension by 2 hemostats rule: one hemostat weight will start deflecting spring and two hemostats will fully deflect spring to stop. b. Throw limits of spring. i. Spring goes to full-on stop while thread take up arm is setting stitch and stripping off more top thread for next stitch. ii. All spring tension is gone off top thread after needle pierces goods and **<u>must be off</u>** before needle is at bottom of stroke (B.D.C.)	Thread take-up spring full on
To remove the top thread tension assembly loosen screw	 Removing top thread tension assembly
Remove assembly	Assembly alone