
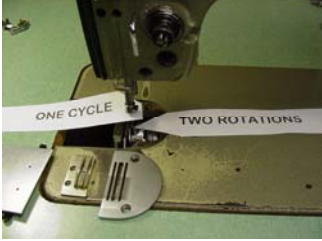


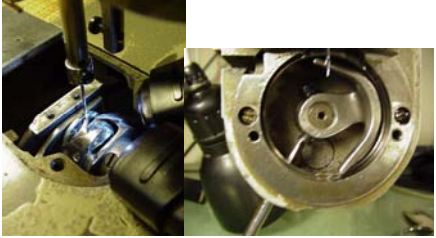




HORIZONTAL AXIS ROTARY HOOK - TIMING

By Wayne Snyder, USAPR Instructor

<p>NOTE: Hook makes 2 rotations for each cycle of needle bar (1 rotation of the top shaft)</p>	 <p>Hand wheel</p>
<p>Set machine to 8 S.P.I. Remove throat plate, presser foot, and feed dogs.</p>	 <p>Needle bar and hook</p>
<p>Insert largest diameter normally used needle correctly in machine, mark at 1/16 and 1/8 above eye of needle.</p>	 <p>Marked needles</p>
<p>Hand wheel forward to bring 3/32" mark up to bottom of lower needle bar bushing. If hook not aligned properly – loosen set screws and rotate point of hook to center line of needle.</p>	 <p>3/32 mark on needle bar</p>
<p>Try to get hook as close to needle as possible laterally without touching. To do this, move hook left or right on shaft and tighten set screws.</p>	
<p>Set needle bar height so point of hook is between 1/16" and 1/8" marks. Replace parts and test sew.</p> <p>Hand wheel needle bar to lowest position and mark needle bar at 3/32 inch below lower needle bar bushing.</p>	 <p>Correct timing</p>