

# Section IV – Maintenance

## Introduction

A good preventative maintenance program is a major step forward to assure trouble-free tying machine operation. In order to be effective, routine inspection, lubrication and adjustment schedule must be established and followed.

For tying machines subjected to normal usage which is considered to be approximately 30 hours of operation weekly, the following maintenance and lubrication schedule should be followed. Substantial deviations from normal usage should require an adjustment in the indicated frequencies.

The Lubrication Requirement has frequencies of 30 and 90 hours. The following mechanical components should be checked daily: Stringholder button holes for lint or twine buildup, knife condition, loose hardware and broken or weak knotter flat springs. The twine running tension should be checked on a monthly basis.

Any abnormal noises or loose components should be inspected and corrected. Power cord should be checked for fraying and the motor inspected for excessive lint or dirt.

***Direct spraying with caustic chemicals will void warranties***

LUBRICATION ITEM	Frequency	
	30 Hours	90 Hours
<b>Note:</b> Apply several drops of mineral oil or food grade unless otherwise specified. f necessary,, refer to		
<b>Knotter Head Assembly</b>		
1. Oil cup (Knotter Head Pivot).	X	
2. Two oil holes (identified in red on machine).	X	
3. Between knotter lever and knotter head assembly.		X
4. Around diameter of knotter roller.		X
5. Knotter lock plunger.		X
<b>Stringholder Assembly</b>		
1. Between knife trap pivot and knife trap lever assembly.	X	
2. Between knife trap shoulder screw and knife trap lever assembly.	X	
3. Replace knife blade once a week	X	
<b>Main Table Assembly</b>		
1. Around diameter of drawslide lever assembly roller.	X	
2. Between washer and drawslide lever.		X
3. Between drawslide lever assembly and main table subassembly.	X	
4. Into three oil holes (identified in red on machine).	X	
5. Between stripper and main table subassembly so that stripper pivot pin is lubricated.	X	
<b>NOTE:</b> Apply a liberal coat of recommended lubricant to the following unless otherwise specified.		
<b>Drive Assembly</b>		
1. Knotter rack assembly cam surface and teeth.		X
2. Cam riser surface.		X
3. Knotter switch cam surface.		X
5. Apply several drops SAE 10 oil to chain gear oil hole (identified in red on machine).	X	
6. Apply several drops of SAE 10 oil to the two oil cups.	X	
7. Apply several drops of SAE 10 oil to the back frame two oil holes (identified in red on machine).	X	
8. Clutch fork pivot (identified in red on machine).	X	