

MARK V SAW GUARDS

The upper and lower Saw Guard System on the Shopsmith MARK V should be considered to be just as important as the Machine's motor. Proper maintenance of this System will provide years of safe, trouble-free operation.

After every five hours of running time, you should brush off and blow away all the sawdust that accumulates in the Saw Guards. The Upper Guard, for example, has a plastic insert toward the front, where most of the sawdust builds up. This Guard is easily removed, cleaned and reinstalled. Dissolve any impacted sawdust with mineral spirits or turpentine. **Do not use lacquer thinner or acetone.** These products will dissolve plastic parts, causing distortion and cloudiness.

After every ten hours of running time, wax and buff the splitter on the Upper Guard. Check that the anti-kickback fingers and spring-loaded Lower Guard operate smoothly. If either of these seems stiff, apply powdered graphite to the springs.

WARNING: Unplug the Machine before performing any of these maintenance operations.

Problem	Possible Cause(s)	Remedy
Wood hits or binds on Splitter	Splitter not properly aligned Splitter bent	Realign Splitter Replace Splitter
Upper Guard hits Saw Blade	Guard not properly aligned	Realign Guard
Upper Guard hard to mount	Foreign material in mounting slots Table tilted	Clean slot with mineral spirits or turpentine Set Table at "0"
Upper Guard cloudy	Impacted sawdust on Guard	Remove insert and clean with mineral spirits or turpentine
Anti-Kickback Fingers don't grab the wood	Springs broken Anti-Kickback Teeth dull	Replace springs Sharpen teeth with file
Lower Guard binds or sticks	Rods need lubrication Foreign material in Guard	Lubricate rods with powdered graphite Clean Guard
Screws that hold Shield in place are hard to turn	Screws cross-threaded Screws turned-in too far	Rethread screws Back out screws slightly