

# Service Pointers

## The MARK V Work Table and Carriage

Here is a listing of the most common work table or carriage problems encountered by users of the Shopsmith MARK V . . . along with their causes and recommended solutions. If you are encountering any of these problems, chances are, your solution is right here.

If you have tried these remedies and they didn't work...or if you're experiencing difficulties that are not listed here, feel free to call **Shopsmith's TOLL-FREE Technical Services Hotline (1-800-762-7555)** for the answer.

<b>Problem</b>	<b>Possible Cause</b>	<b>Remedy</b>
Table won't raise or lower - or is difficult to raise or lower.	Rocks or pinions clogged with foreign materials.	Clean racks and pinions.
	Table height lock is tightened.	Wax support tubes.
	Pinion gears are damaged.	Unlock table height lock.
		Replace gears.
	Burrs on support tubes, or in carriage holes.	Remove burrs with a fine file.
	Support tubes damaged.	Replace tubes.
	Table not level in carriage.	Turn table height handle counter - clockwise while lifting up on table tie bar. Once table is free of carriage, adjust table until it's level. Replace table in carriage.
Table wobbles	Tilt lock loose.	Secure tilt lock.
	Trunnion bolts loose.	Tighten bolts.
	Carriage lock loose.	Secure carriage lock.

Table won't fit in carriage	Racks and pinions clogged with foreign materials.  Table height lock secured.  Tie bar assembly bent.  Table in backwards.	Clean racks and pinions.  Wax support tubes.  Loosen lock.  Push support tubes together or spread them apart slightly. If this doesn't work, replace tie bars.  Turn table around.
Table insert not flush with table surface	Back setscrew not properly adjusted.  Sawdust under insert.  Table insert not bowed.	Adjust screw.  Remove insert & clean out sawdust Replace insert.
Table leaves black marks on stock	Dirty table	Clean and wax table surface.
Table won't tilt to drill press position	Tilt lock secured.  Auto stop engaged.  Impacted sawdust in trunions.  Front and back shields in the way.	Unlock tilt lock  Pull out trunion plunger.  Clean trunions.  Remove shields.
Table won't lower to boring position.	Side shield in the way.  Impacted sawdust on support tube racks.	Remove side shield.  Clean racks.
Carriage lock sticks	Foreign materials in mechanism.  Lock too tight.	Clean carriage lock mechanism.  Loosen lock.
Table won't lock at desire height	Table heightlock not secure.  Table height lock not supplying enough pressure.	Secure lock.  Remove lock handle and add another 3/8" flat washer on pinion shaft.