

# 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.

| Problem                                                         | Possible Cause                                   | Remedy                                                                                                                                                                    |
|-----------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. | Clean racks and pinions.                                                                           |
|                                           | Table height lock secured.                        | Wax support tubes.                                                                                 |
|                                           | Tie bar assembly bent.                            | Loosen lock.                                                                                       |
|                                           | Table in backwards.                               | 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.              | Adjust screw.                                                                                      |
|                                           | Sawdust under insert.                             | Remove insert & clean out sawdust                                                                  |
|                                           | Table insert not bowed.                           | 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.                                | Unlock tilt lock                                                                                   |
|                                           | Auto stop engaged.                                | Pull out trunion plunger.                                                                          |
|                                           | Impacted sawdust in trunions.                     | Clean trunions.                                                                                    |
|                                           | Front and back shields in the way.                | Remove shields.                                                                                    |
| Table won't lower to boring position.     | Side shield in the way.                           | Remove side shield.                                                                                |
|                                           | Impacted sawdust on support tube racks.           | Clean racks.                                                                                       |
| Carriage lock sticks                      | Foreign materials in mechanism.                   | Clean carriage lock mechanism.                                                                     |
|                                           | Lock too tight.                                   | Loosen lock.                                                                                       |
| Table won't lock at desire height         | Table heightlock not secure.                      | Secure lock.                                                                                       |
|                                           | Table height lock not supplying enough pressure.  | Remove lock handle and add another 3/8" flat washer on pinion shaft.                               |