

HOW TO REPLACE THE HEADSTOCK LOCK

Tools Needed:

5/32" Allen wrench

Rubber mallet

1/8" Drive punch

Hammer

medium Phillips screw driver

medium flat screw driver

1" x 4" x 16" wood block

1. Turn off and unplug the Mark V.
2. Attach the sanding disc to the main spindle and rotate it toward you as you turn the control handle to fast. DO NOT force. This will take the tension off the motor drive belt so that you can remove it from the motor pulley.
3. Loosen the headstock lock and continue turning the handle in a counter clockwise direction until the wedges are firmly locked in the open position.
NOTE: This is very important to maintain the "timing" of the wedges.
4. Block up the way tubes at an angle sufficient for the headstock to clear the headrest when you remove it. Place a 1"x4" x16" wood block under the table tubes across the bench tubes.
5. With the way tubes in the angular position, loosen the two set screws (one on each tube) located in the way tube tie bar. Use a rubber mallet to tap off the way tube tie bar. DO NOT use excessive force, always tap lightly alternating from side to side against the way tube tie bar.
6. With the way tube tie bar removed you can now slide the headstock from the way tubes. Place the headstock in a secure position where you may easily work on it.
7. Use the drive punch and hammer and drive out the roll pin that secures the handle to the headstock-locking rod.

8. Remove the belt cover from the left end of the headstock to allow access to the motor drive belt. Remove the drive belt from the motor pulley by gently sliding off on side of the belt and rotating the motor shaft so the belt will ride off entirely.
9. Remove the nameplate assembly to expose the access hole located on the opposite side of the control handle. NOTE: depending on the age of your unit this can be done by popping off with a flat head screw driver or by removing the screw located at the bottom of the nameplate cover. Some older units did not have access holes and you may have to lower the motor pan assembly down on the bench tubes to have enough room to work on the locking mechanism.
10. Disconnect the wires from the on/off switch. Remember the wire color location for reinstallation later.
11. Remove the motor pan screws and carefully lower the motor pan assembly down on your work surface. Have someone help you hold the motor pan assembly so that it will not fall and cause damage or possible injury. You now will have access to the locking rod and wedges.
12. Hold the rod in the center and then turn the handle clockwise to remove it from the rod.
13. Turn the rod until the wedges are near 1" to $\frac{1}{2}$ " from rod ends and are free of the casting. If unable to rotate you may have to cut the rod with a hacksaw.
14. Install the new assembly.
15. Gauge the new wedge position on the rod. The rear wedge should be even with the threaded rod. The distance from the front wedge to the end of the rod should be $\frac{5}{8}$ ".
16. Reinstall the handle on to the rod and drive in the roll pin.

Reverse procedure for installation of the switch and motor assembly.