

How To Replace The Carriage 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. Loosen the carriage 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.
3. Block up the way tubes at an angle sufficient for the headstock to clear the headrest when you remove it. Place a 1" x 4" x 16" wood block under the table tubes across the bench tubes.
4. 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.
5. With the way tube tie bar removed you can now slide the headstock from the way tubes. Place the headstock in a secure position.
6. Slide off the carriage after the headstock has been removed.
7. Place the carriage on a suitable work surface and drive out the roll pin that secures that handle to the shaft.
8. Hold the rod in the center and then turn the handle clockwise to remove from the rod.
9. Turn the wedges toward the center of the rod until they clear the holes in the carriage.
10. Place new wedges on the appropriate ends of the shaft and reinstall into the carriage opening.

11. Gauge the position the wedges by rotating the rod until the wedges seat against the inside of the carriage. The rod should then be 1/4" inside the rear locking wedge and the end of the rod with the roll pin hole should extend from the front locking wedge by approximately 3/4"
12. Thread on the handle until the hole in the handle aligns with the hole in the rod. Drive in the roll pin.
13. Place carriage back on way tubes and reposition the 1" x 4" x 16" wood block under the table tubes across the bench tubes.
14. Replace the headstock and reverse steps 4 to 1.

Tools needed:

Large - flat screw driver

1. Turn off and unplug the Mark V and place in the vertical position. Locate the locking shaft on bench opposite the locking handle.
- 2a. If the handle is too tight, turn the lock shaft counter clockwise.
- 2b. If the handle is too loose, turn the lock shaft clockwise.

NOTE: The locking handle should work freely. It should never be necessary to exert excessive force to lock the Mark V in the horizontal position.