

Shopsmith Mark V

additional horizontal adjustments

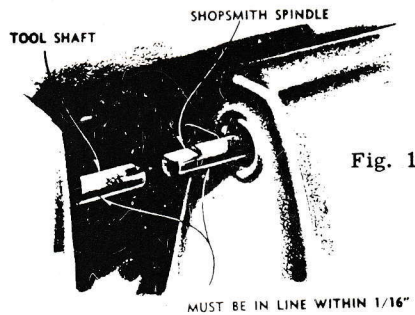


Fig. 1

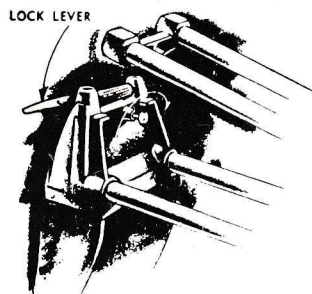


Fig. 2

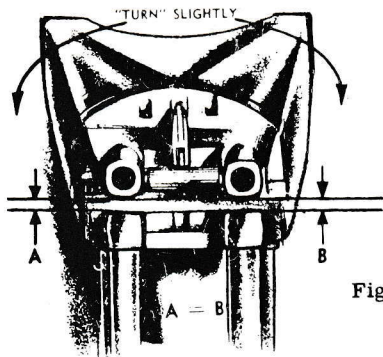


Fig. 3



Fig. 4



Fig. 5

To assure most efficient operation of SHOPSMTIH ADD-A-TOOLS, such as Jigsaw, Jointer, Belt Sander, Sprayer, and Band Saw, when mounted on SHOPSMTIH* Mark V, the tool drive shaft should be in line with the SHOPSMTIH auxiliary spindle within 1/16". (Fig. 1) This alignment is a very simple matter, if instructions provided with the tool are carefully followed. Occasionally, due to knocks and jars the machine receives during transit, it may be necessary to proceed a little further. If shaft alignment is not achieved by following the normal instructions, check the following paragraphs to be sure your MARK V is in as perfect condition as it was when it left the factory.

Level Floor

Make sure the unit is level. A rough, uneven floor may cause misalignment.

Tie Bar

When the tie bar is clamped down, it should sit solidly on both shoulders of the headrest. If the lock lever doesn't accomplish this, turn the screw sketched at left slightly clockwise. (Fig. 2) This will increase the clamping pressure of the lever.

Squaring Headrest

The gap between tie bar and headrest casting should be equal at both ends. ("A" = "B", Fig. 3) Check this with a scale and, if adjustment is necessary, slightly loosen the two bolts which lock the BENCH TUBES to the underside of the headrest. (Fig. 4) This will permit "turning" the headrest to equalize the gap. Be sure to re-tighten the two bolts securely.

Adjustment Screw (Fig. 5)

On MARK V's with a serial number above 290367, an adjustment screw is provided in one shoulder of the headrest. This screw may be utilized to provide a slight lateral movement of the tool shaft. Be sure the screws in the tie bar which lock it to the tubular ways are loosened before the screw is adjusted, then tightened after the adjustment is made.

If your SHOPSMTIH MARK V is below serial number 290367 (machines which do not have adjustment screw), you may accomplish the same thing by lightly filing one shoulder of the headrest, as sketched at left. USE A SMOOTH FILE, TAKE A FEW STROKES, CHECK ALIGNMENT AFTER EACH. File rear shoulder to move headstock spindle toward rear; file front shoulder to move spindle toward front. BEFORE FOLLOWING ANY OF THESE PROCEDURES, BE SURE YOU HAVE CAREFULLY CHECKED THE MOUNTING INSTRUCTIONS ON THE SHEET PROVIDED WITH THE TOOL.

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