

The engraved data are not positioned correctly on the plate.

if your engraved data are not correctly positioned on the plate, you might want to re-calibrate the home position of the machine.

To determine if there is a positioning problem, proceed as follows:

1. Engrave a rectangle on a plate with a fine tipped cutter. The plate size is not important, but make sure the upper left corner of the rectangle is 5.0 mm from the left and 5.0 mm from the top plate border.
2. After engraving the rectangle measure the real distance between the left side of the rectangle (the centre of the line) and the left plate border. If that size is 5.0 mm you do not need to change the X-motor calibration.
3. Then measure the distance between the top side of the rectangle (the centre of the line) and the top plate border. If that size is 5.0 mm you do not need to change the Y-motor calibration.
4. If any of these two dimensions are either too big or too small, you have to re-calibrate the home position of the machine.

To re-calibrate the X-axis home position, proceed as follows

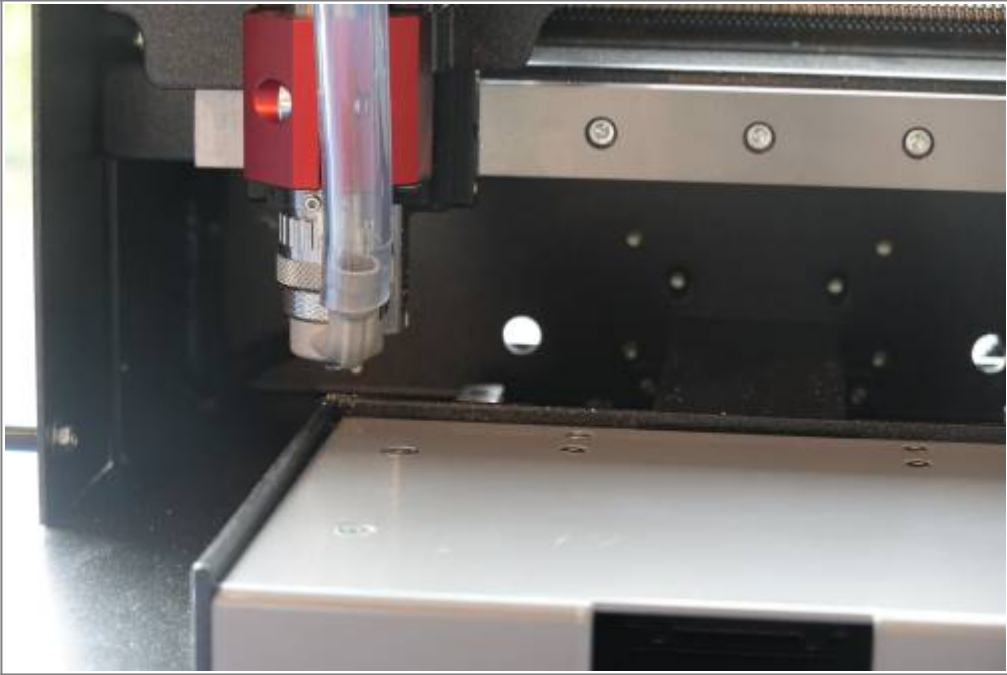
Image	Description
	If there is an engraving plate and/or a Multimat on the engraving table, remove them.

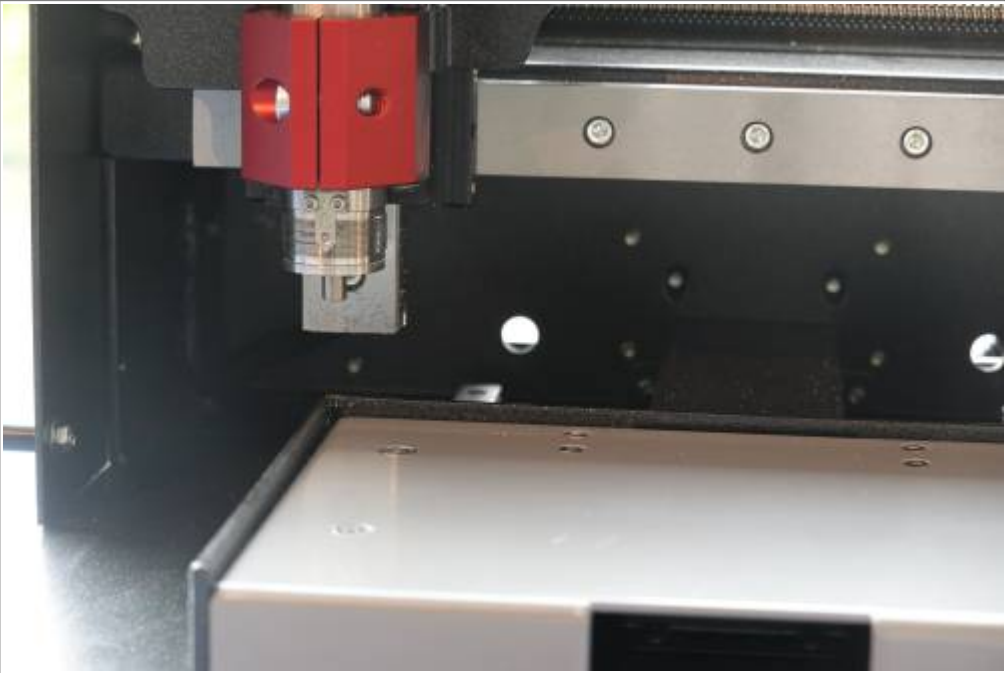
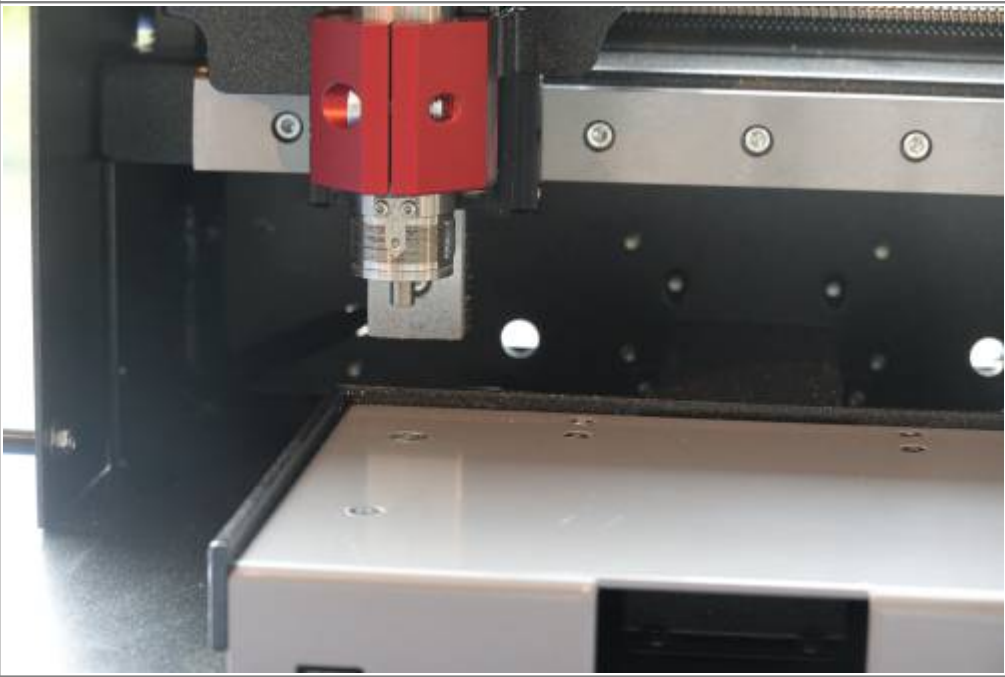
Image	Description
	Remove the depth regulator nose from the spindle.
	Jog the spindle some distance away from the upper left corner, both in the X and the Y directions.

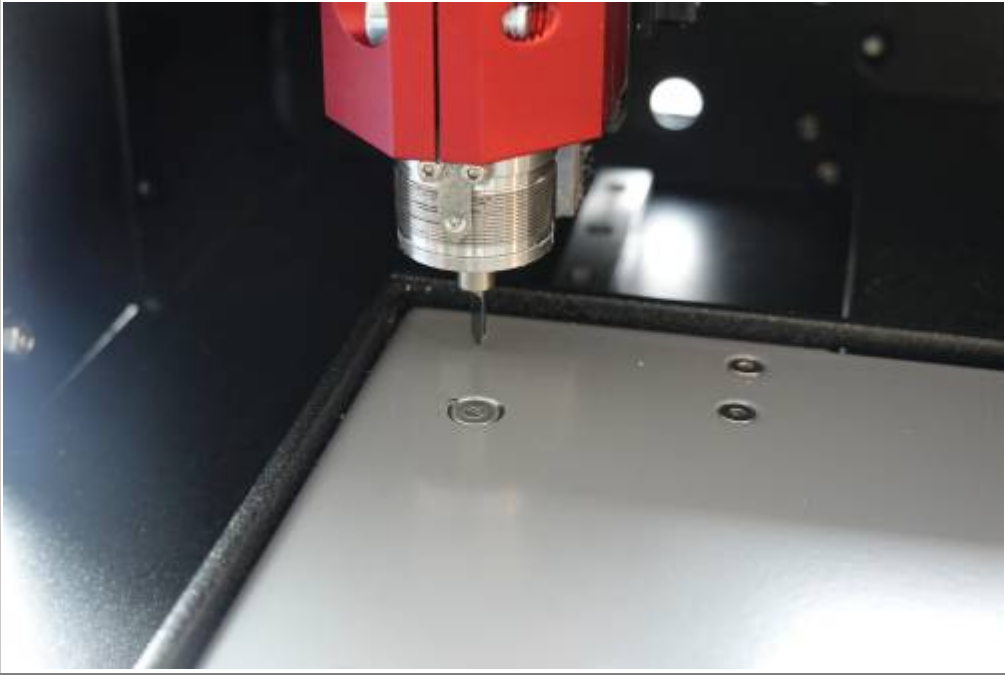
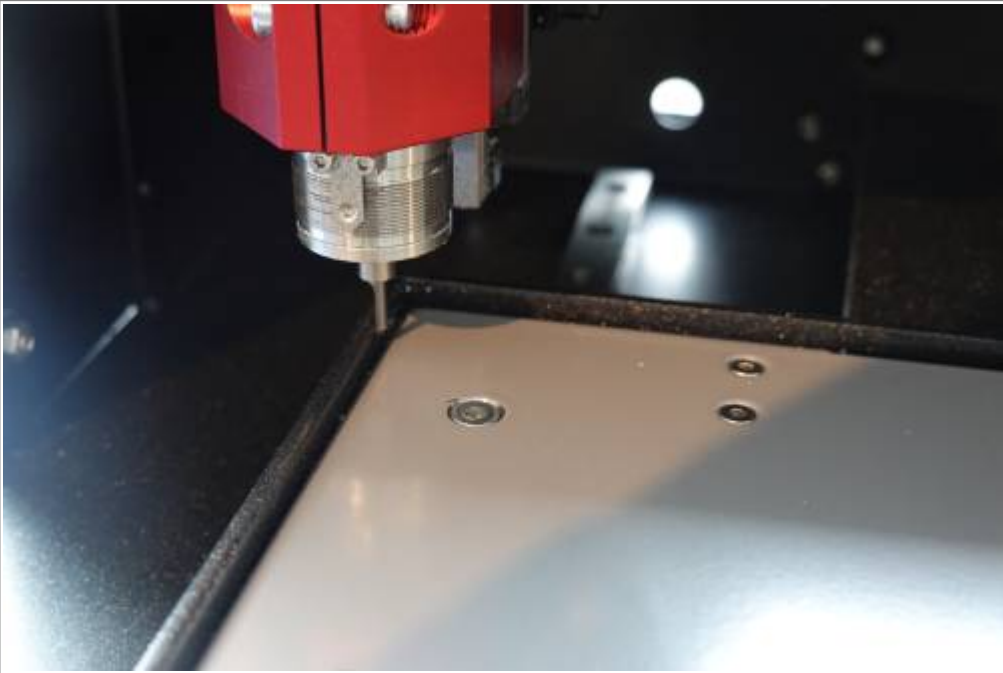
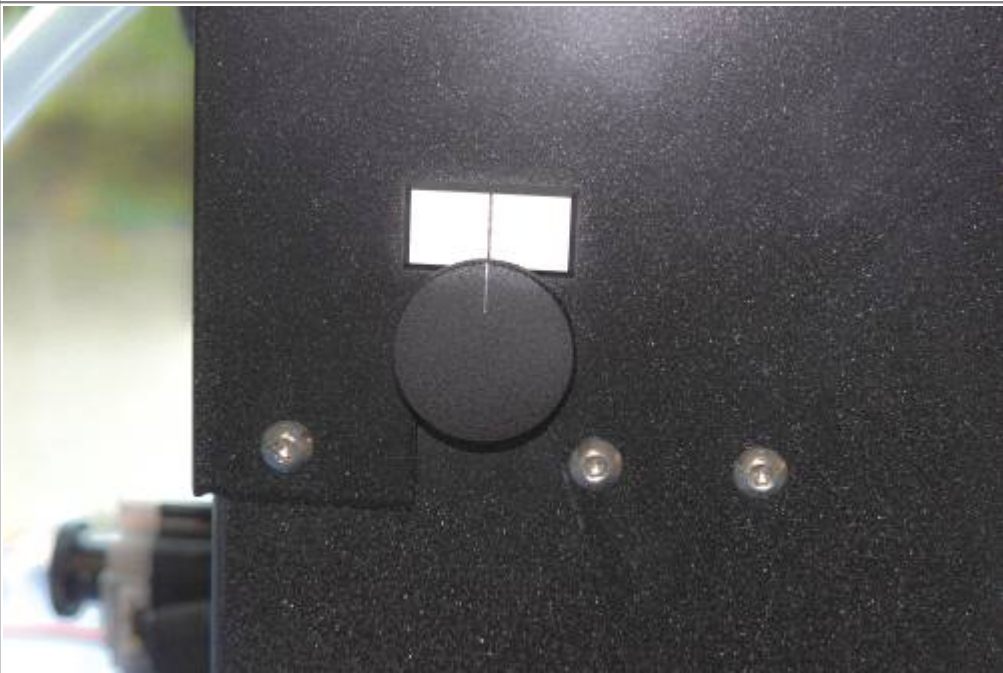
Image	Description
	Jog the Z-axis (the spindle) down till there is about 15 mm distance to the table surface. After that screw a cutter knob counter clockwise in the spindle. Then gently push a cutter through the cutter knob and the spindle. It has to stick out of the spindle at the bottom. Push the cutter through the spindle till its tip is as close as possible to the table surface, but without touching it. Tighten the cutter knob screw.
	Switch off the machine using the mains switch.

Image	Description
	Gently rotate the black knob on the back side of the X-axis stepper motor till the flat side of the cutter is well aligned with the left table stop.
	Now check if the finely engraved line on this knob corresponds with the engraved line on the indicator plate. If that is not the case, loosen the black knob and rotate it to properly align it with the engraved indicator plate.
	Re-tighten this knob.
	Screw the depth regulator nose back onto the spindle.

To re-calibrate the Y-axis home position the procedure to follow is the same:

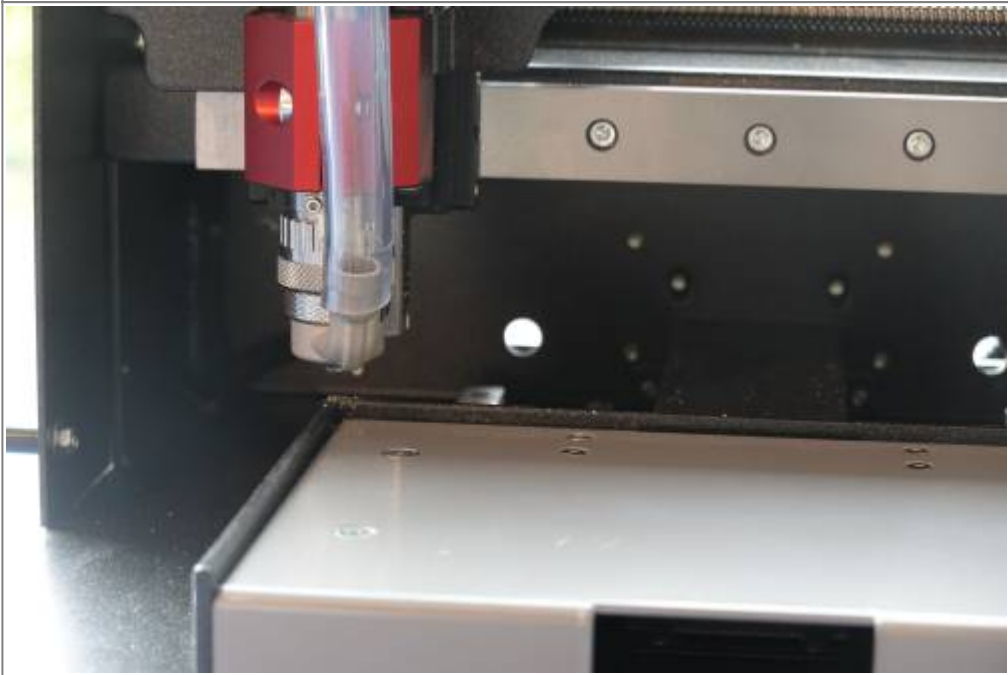
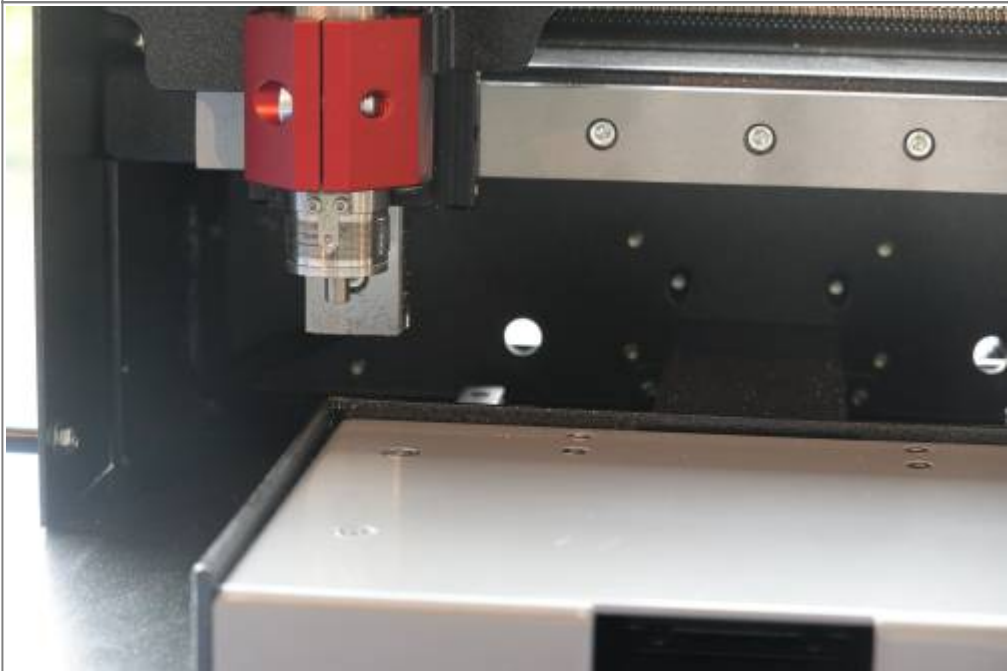
Image	Description
	If there is an engraving plate and/or a Multimat on the engraving table, remove them.
	Remove the depth regulator nose from the spindle.

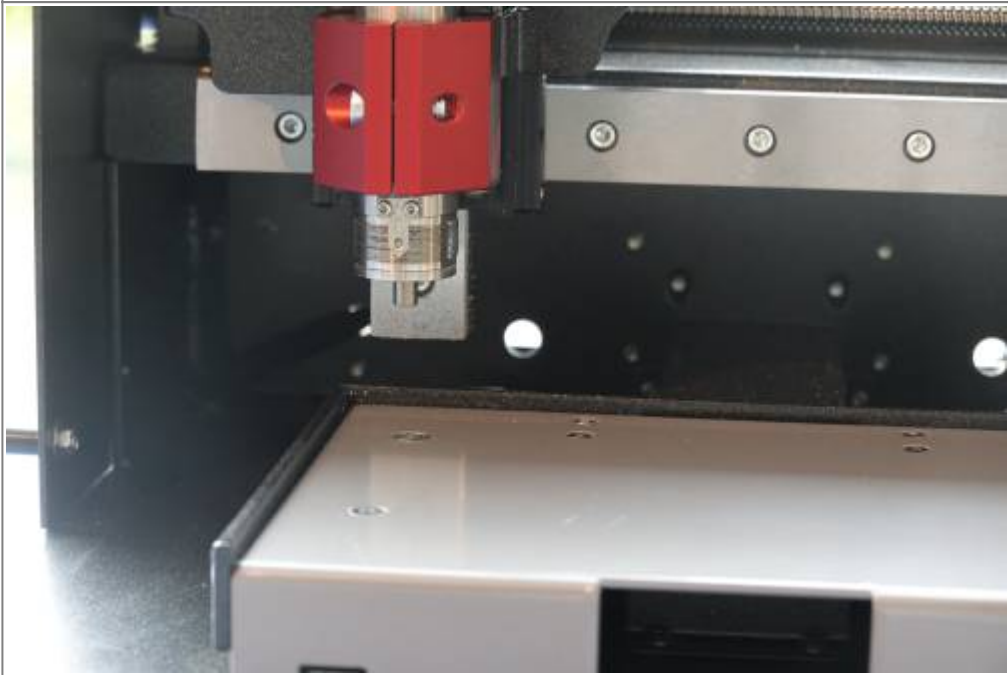
Image	Description
	Jog the spindle some distance away from the upper left corner, both in the X and the Y directions.
	Jog the Z-axis (the spindle) down till there is about 15 mm distance to the table surface. After that screw a cutter knob counter clockwise in the spindle. Then gently push a cutter through the cutter knob and the spindle. It has to stick out of the spindle at the bottom. Push the cutter through the spindle till its tip is as close as possible to the table surface, but without touching it. Tighten the cutter knob screw.

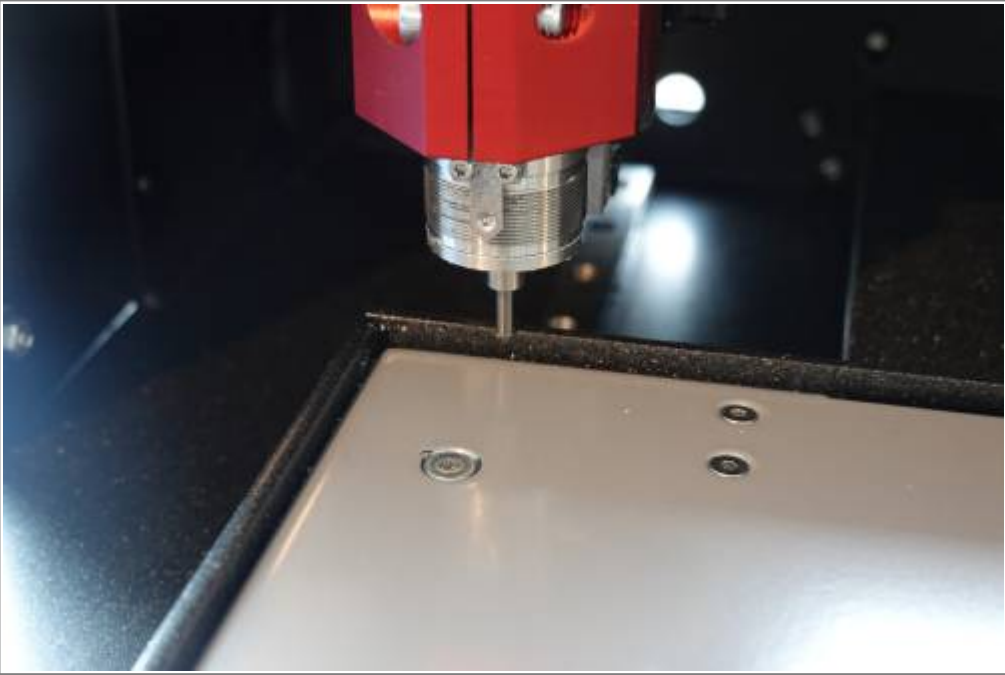
Image	Description
 A close-up photograph of the rear panel of a machine. It shows a black rocker switch in the 'off' position (marked with '0'). To the left of the switch, a black power cord is plugged into a port. To the right, a red cable is plugged into another port. The machine's body is dark grey or black.	Switch off the machine using the mainswitch.
 A photograph showing the red and silver cutter head of a CNC machine. The silver spindle is lowered, and the cutting tool is positioned just above a light-colored, rectangular workpiece mounted on the machine bed. The background is dark.	Gently rotate the black knob on the back side of the Y-axis stepper motor till the flat side of the cutter is well aligned with the rear table stop.
 A close-up photograph of a stepper motor assembly. A black, circular adjustment knob is visible on the front. A white rectangular label is attached to the top of the motor housing. A black braided cable is connected to the side. The background is dark.	Now check if the finely engraved line on this knob corresponds with the engraved line on the indicator plate. If that is not the case, loosen the black knob and rotate it to properly align it with the engraved indicator plate.

Image	Description
	Re-tighten this knob.
	Screw the depth regulator nose back onto the spindle.

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