

TIP 90 — Heavy Cuts Can Force the Mill Column out of Alignment/Sherline Products

A Cautionary Tale

There is a possibility that the Z-axis column can be forced out of alignment on the 2000-series and the 5800-series Sherline mills while taking heavy cuts, especially under stepper motor operation (See Figure 1, refer to rotational axis #7). If this occurs, you will need to re-align the Z-axis column following these steps (see the Exploded view on page 2 for P/N references):

- 1. Loosen the flange nut (P/N 56230) located on the side of the ram arm (P/N 56330). (see Figure 2).
- 2. Square the Z-axis column bed per the instructions. https://sherline.com/Wordpress/wp-content/uploads/2016/01/2000inst.pdf
- 3. Tighten the flange nut to snug, for now, to hold the column in place.
- 4. Loosen one of the two 10-32 x 5/8" SHCS (P/N 40330) that sit atop the column adjustment block (P/N 56350). (NOTE: If these screws are not loosened prior to tightening the flange nut, you will not be able to fully lock down the flange nut.)
- 5. Tighten the flange nut down to full torque to lock the column in place.
- 6. Finally, re-tighten the 10-32 x 5/8" SHCS you loosened previously.

Thank you, Sherline Products Inc.

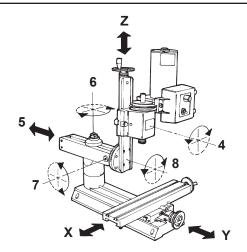


FIGURE 1—The axes of movement of a Sherline 8-direction mill.

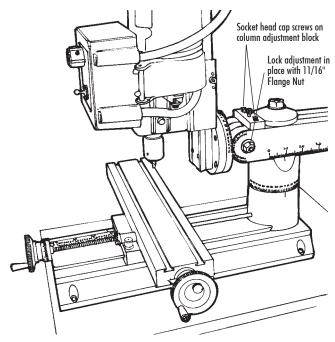


FIGURE 2—Shows the location of the flange nut and the SHC srews on the column adjustment block.

Sherline Model 2000 Mill Column

