



Spindle Brake Little Machine Shop 5500 Installation Guide

Thank you for purchasing the Spindle Brake from Priest Tools. I developed this tool to improve the productivity of performing tool changes, and to make tool changes easier and more convenient.

Your new Spindle Brake is made from 6061 Aluminum and is machined to exacting specifications in state-of-the-art CNC machining centers. The Spindle Brake is a very high quality tool that works well and is a great addition to your collection of mill accessories.

I am very interested in your feedback on this product. Please email me with your questions, comments, or concerns at gregpriest@cox.net. If requested, I will respond to your inquiry at my earliest opportunity.

I hope you enjoy using the Spindle Brake from Priest Tools for many years to come.

Greg Priest
Owner, Priest Tools

What's Included



Hardware

1. Spindle Brake disc
2. Modified drawbar
3. M4-.7 x 16mm socket cap screw
4. 3/8"-16 x 3/8" socket set screw w/patch
5. Al spacer, .166 ID, .25 OD, .25L
6. Instructions

Tools required for installation

3mm and 3/16" hex wrenches

Caution

Obviously, never operate the mill with the locking pin engaged with the spindle through the spindle Brake Plate or otherwise.

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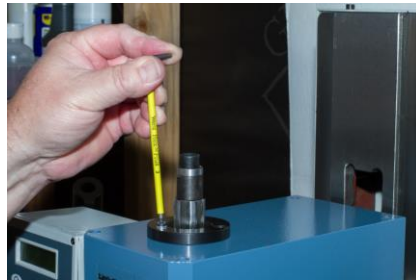
1. Disconnect power to mill.
2. Remove tooling from spindle.
3. Lower mill head to near its lowest point.
4. Remove the drawbar cover



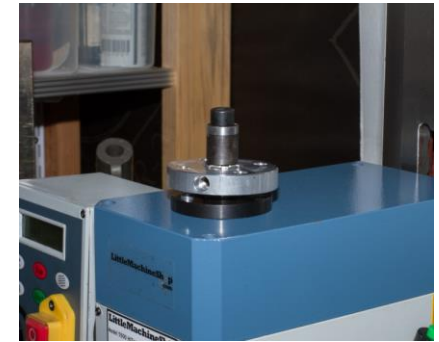
10. Slide the Spindle Brake disc down over the drawbar to the top of the spindle. Rotate the disc until the socket set screw meshes with one of the spindle splines, and the disc slides down over the spindle.



5. Remove the front 4mm socket cap screw from the drawbar cover collar.
6. Install the supplied 4 x 16mm socket cap screw and spacer in the same hole.



11. Rotate the spindle from the bottom until one of the holes in the Spindle Brake disc accepts the socket cap screw and spacer that was installed earlier. The spindle is now locked.

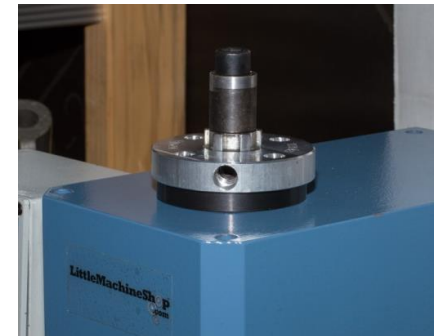


12. Tighten the 3/8-16 socket set screw in the disc on the spindle then back-off 1/4 turn.

7. Install the 3/8-16 socket set screw in the Spindle Brake disc so that it extends slightly into the ID of the disc.
8. Remove the factory supplied drawbar from the spindle.
9. Insert the supplied drawbar into the spindle.



13. Slide the Spindle Brake disc on and off the spindle several times to ensure a smooth fit. Adjust the tightness of the 3/8-16 socket set screw accordingly.



Congratulations, installation of your new Spindle Brake is complete!