

High Speed Adjustment

Remove the belt cover. Turn on your Shopsmith and crank up the speed until the drive belt is $\frac{1}{8}$ " to $\frac{1}{16}$ " from the outside edge of the **motor** pulley, or until the high speed stop keeps you from turning it any further. *If you are using a linkbelt see the note at the bottom of this document.*

Remove the control handle. Watch out-the machine is running and the belts are exposed. However, you can turn off the machine at this time.

Use a small screwdriver to hold the set screw, then loosen the jam nut.

Turn on the Shopsmith if you have turned it off.

If the high speed stop engaged before the drive belt was near the edge of the motor pulley, turn the set screw **COUNTERCLOCKWISE** and, at the same time, turn the worm shaft **CLOCKWISE** until the belt is between $\frac{1}{8}$ " and $\frac{1}{16}$ " from the outer edge of the pulley. Note the use of pads on the pliers (not pictured) is to protect the worm shaft. This is the Shopsmith recommended procedure.

Turn off your Shopsmith. Re-tighten the jam nut. Press in and turn the speed dial until it reads "fast."

IF YOU ARE USING A LINK BELT the measurement of the the belt from the outer edge of the **Motor** Pulley changes. Instead of being $\frac{1}{16}$ to $\frac{1}{8}$ from the **inside** of the pulley the belt will protrude from the pulley about $\frac{1}{8}$ inch; that is, it will be about $\frac{1}{16}$ to $\frac{1}{8}$ on the outside of the pylley. This is due to the additional depth provided by the links.

