

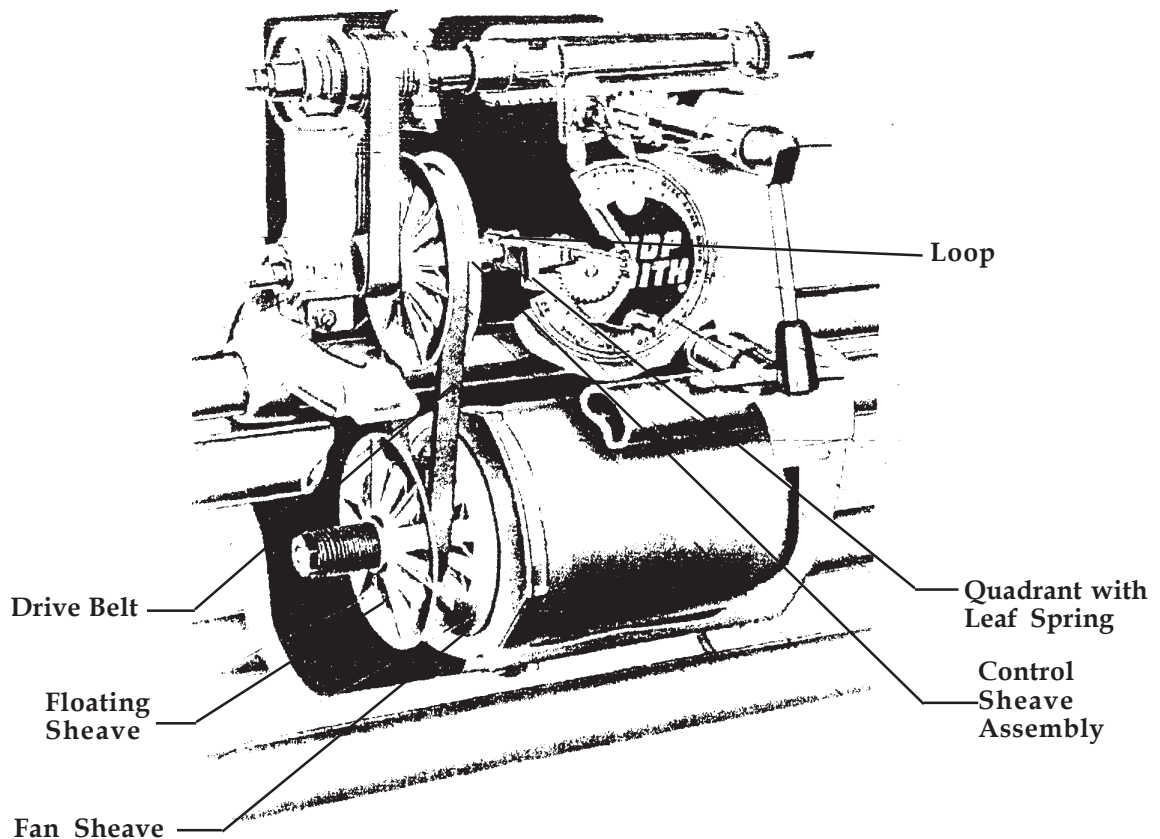


## Introduction

Replacement of the Drive belt in your headstock can be tricky if the proper steps are not followed. Improper installation or failure to follow these instructions could also result in damage to the headstock. These instructions should be followed closely for both replacement of the belt and for assembly.

### *Tools Needed:*

- Medium slot screwdriver
- #2 Phillips screwdriver



### **WARNING**

Be sure machine is turned off and unplugged before starting any service or maintenance procedure. Failure to do so could result in electrocution.

### **CAUTION**

The machine should never be turned off at high speeds except during maintenance.

---

## INSTRUCTIONS

### *REMOVAL PROCEDURE*

1. Turn the unit to high speed, turn off and unplug unit. This allows the drive belt to be near the outer edge of the motor pulley making it easy to spread the motor pulleys and unhook the drive belt from the motor.

**WARNING**

**Be sure machine is turned off and unplugged before starting any service or maintenance procedure. Failure to do so could result in electrocution.**

2. Slide the headstock and carriage as far to the right as possible and lock securely.
3. Remove the belt cover screws and slide cover as far as it will go toward the left.
4. Remove, or rotate the nameplate from the rear of the headstock to open the access hole. Depending on the age of your unit, this can be done either by popping the nameplate off with a slot screwdriver or removing the screw located at the bottom of the nameplate. Swing the nameplate around to expose the access hole and secure.

### NOTE

**Many older units DO NOT have an accessory hole. If this is your case simply omit this step and work through the available openings.**

5. Remove the drive belt from the motor sheaves by sliding the belt off the floating sheave while rotating the motor shaft.
6. Reaching through the access hole, disen-

gage the control sheave loop from the quadrant. This is done by depressing the quadrant leaf spring and pivoting the loop off the quadrant with your thumb.

7. Remove the drive belt from the control pulley by pushing the drive belt up into the unit while pushing the control sheave away from the quadrant. Once the belt is clear of the control pulley remove it from the headstock by pulling it down past the end of the control sheave, quadrant, and motor sheaves.

### *REPLACEMENT PROCEDURE*

1. Loosely place the drive belt between the two sheaves of the control sheave assembly. Hook the loop retainer over the quadrant, by depressing the leaf spring on the quadrant and pushing the loop over the quadrant with your thumb.
2. Install the drive belt on the motor pulleys. Pull the drive belt tight and hook the belt over the floating motor pulley while rotating the motor. The belt should jump right into the groove.
3. To reset speed dial back to slow, mount the sanding disk in the main spindle. Turn the sanding disk by hand, while turning the speed dial from fast to slow.

**CAUTION**

**Never turn the speed dial without rotating the spindle by hand or without the motor running.**

### NOTE

**If you have any additional questions or comments, please call our Customer Service Department at 1/800-762-7555 or visit our website at [www.shopsmith.com](http://www.shopsmith.com).**

