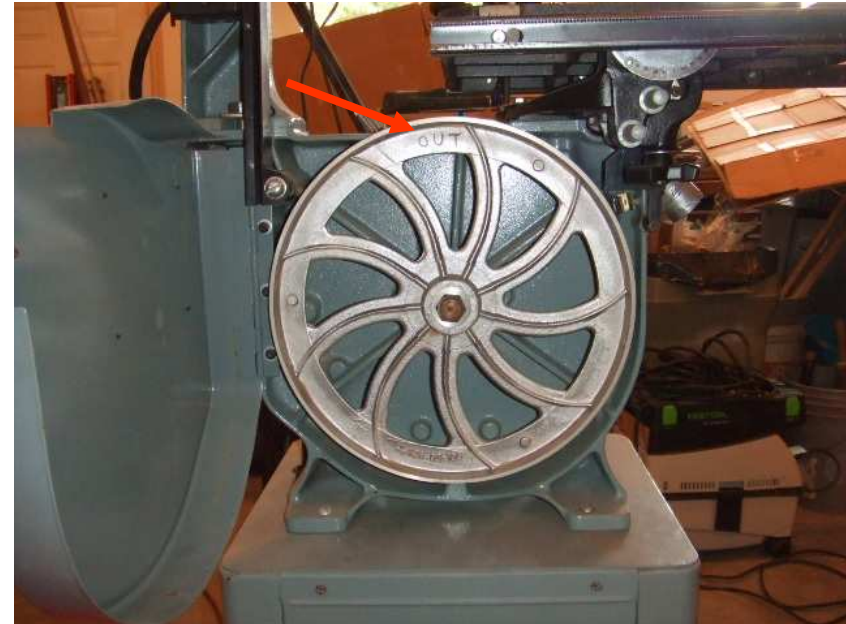
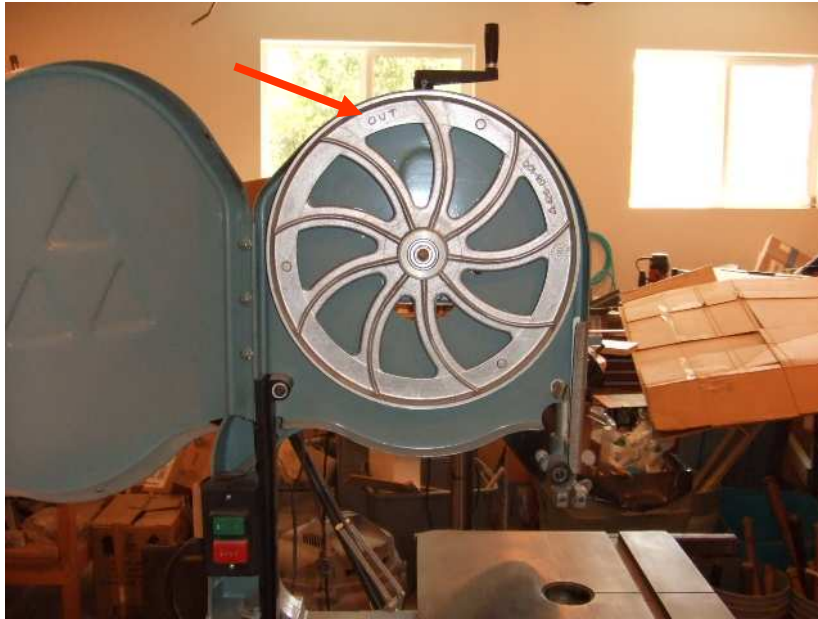


# Rebuilding a Bandsaw

## Overview

- Step 1 - Get the bandsaw ready - clean & safe
- Step 2 - Mark and remove the wheels & table
- Step 3 - Remove the upper and lower guide assemblies
- Step 4 - Replace the bearings and tires on the wheels
- Step 5 - Replace the bearings on the guide assemblies
- Step 6 - Reinstall the wheels and check for 'coplanar' alignment
- Step 7 - Reinstall the table and guide assemblies
- Step 8 - Install and tune the blade
- Step 9 - Install and adjust the upper and lower guides

# Getting Started



Step 1 - Unplug the bandsaw and test to be sure it won't start

Step 2 - Remove the drive belt

Step 3 - Mark the outboard side of each wheel

# Getting Started



Step 4 - Remove the table

Step 5 - and the lower guide assembly

# Getting Started



Step 6 - Remove the upper guide assembly

Step 7 - Disassemble the lower guide assembly

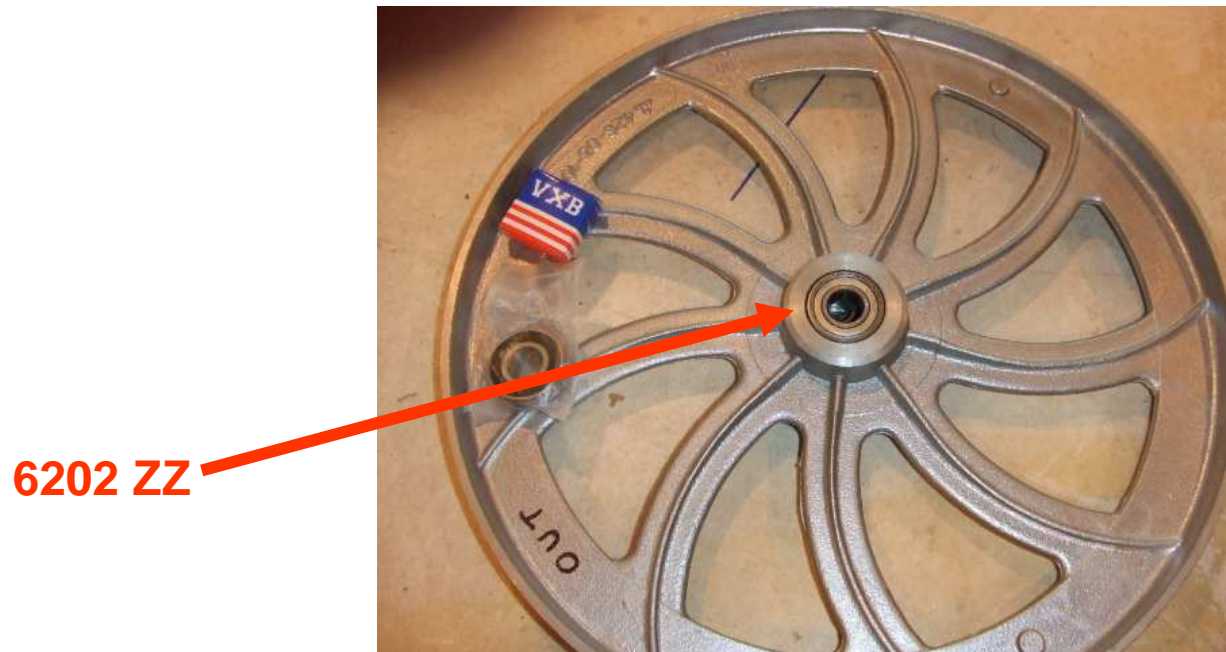
# Getting Started



Step 8 - Remove the lower wheel

Step 9 - and the upper wheel

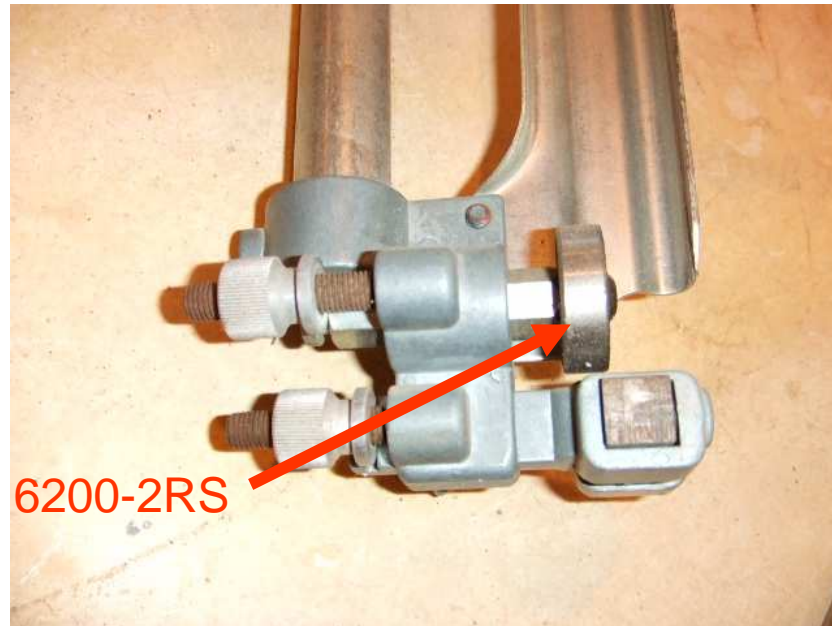
# Replace the bearings



Step 1 - Replace both bearings on the upper wheel (Part# 6202 ZZ)  
(no bearing on the lower wheel)

Step 2 - Check the bearings on the lower drive shaft - replace if  
necessary

## Replace the Bearings

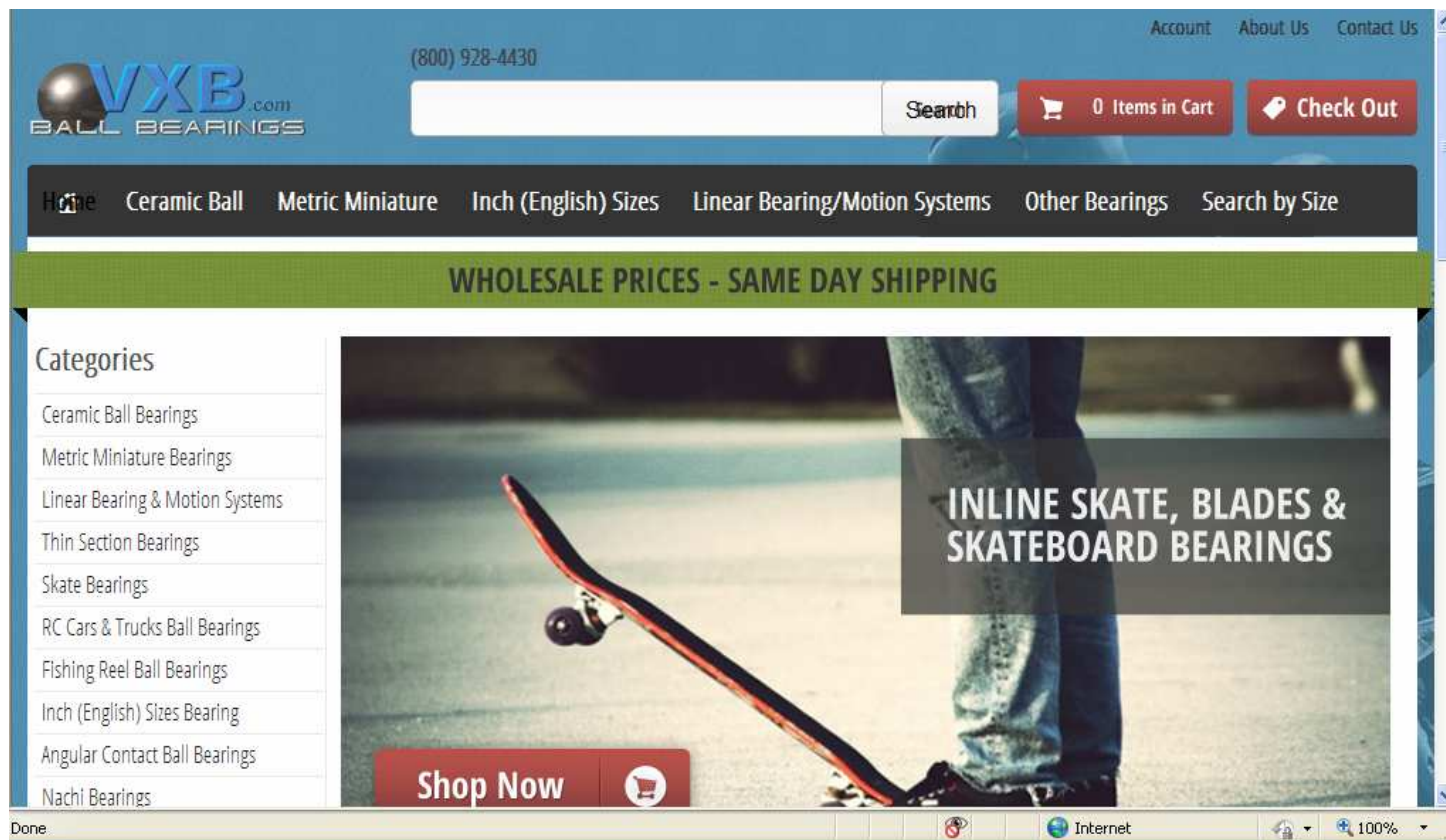


Step 3 - Replace the bearing (6200-2RS) on the upper guide assembly

Step 4 - Replace the bearing (6200-2RS) in the lower guide assembly



# Replace the bearings



www.VXB.Com is a good source for bearings

## Delta 14" Band Saw Bearings:

- **6202 ZZ** (15x35x11 sealed both sides - \$1.49ea.)

Fits the top wheel. Requires 2 bearings

- **6200-2RS** (10x30x9 sealed on both sides - \$ .99 ea.)

Fits the guide rollers. Requires 2, one for the top and one for the bottom.

The bottom bearing is hard to change -(unscrew allen screw on the adjuster - it comes apart to release the bearing).

- **Source:** [WWW.VXB.COM](http://WWW.VXB.COM)

# Replace the Tires



Step 1 - Remove the old tires

Step 2 - Clean the wheels

## Replace the Tires

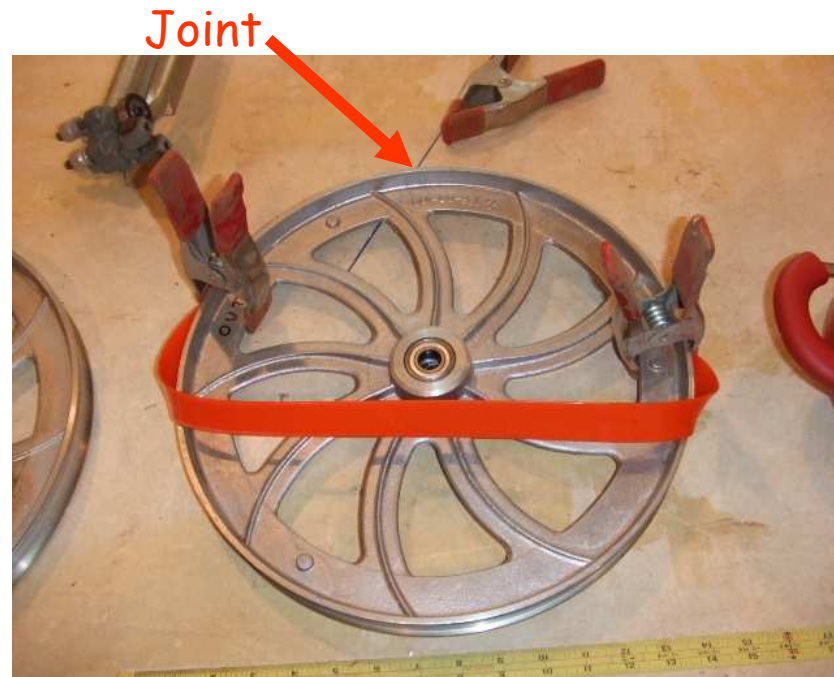


Step 3 - I used Urethane Replacement Tires

Source: Hartville Tool

Cost: ~\$29 for both

## Replace the Tires



Step 4 - Warm the new tires in a pan of warm tap water & soap

Step 5 - Start putting new tire - use clamps to hold your progress

Step 6 - Use a round blade screwdriver to pry the new tires in place

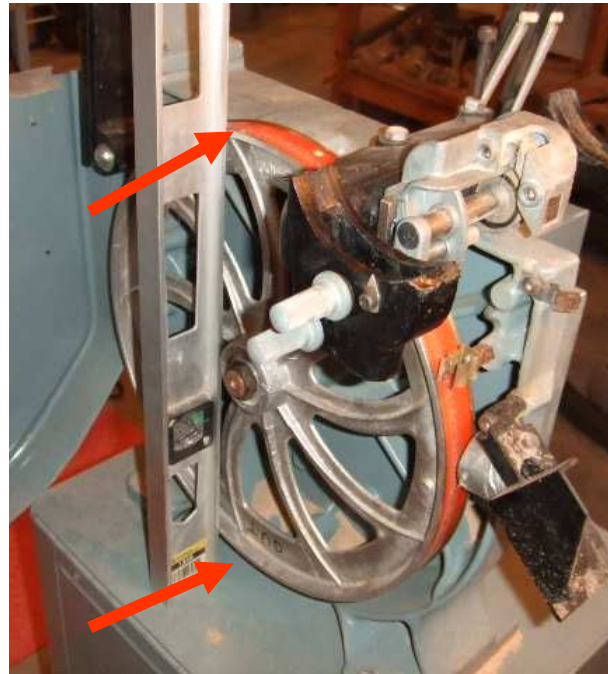
# Replace the Tires



Step 7 - Roll screwdriver around the entire wheel to equalize the tension

Step 8 - Dry the wheel

## Reinstall the Wheels



- Step 1 - Reinstall the top and bottom wheels
- Step 2 - Check for "coplanar" alignment - use tracking adjustment
- Step 3 - Adjust by adding or removing spacer washers on the top wheel

## Reinstall and Tune the Blade



- Step 1 - Turn the blade "inside out" so that the teeth are facing up
- Step 2 - Install and tension the blade - with guides removed
- Step 3 - 'true the teeth' using a grinding stone on both sides



## Reinstall and Tune the Blade



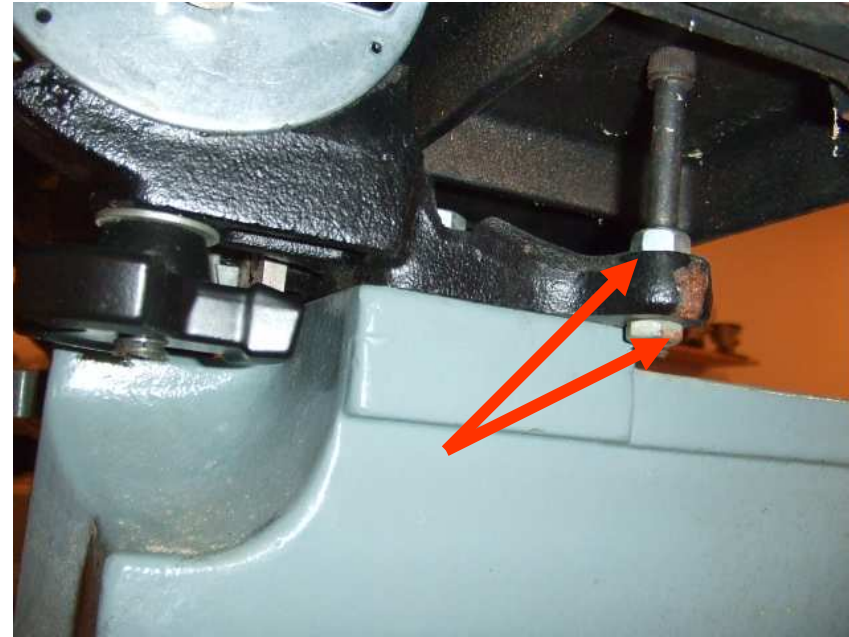
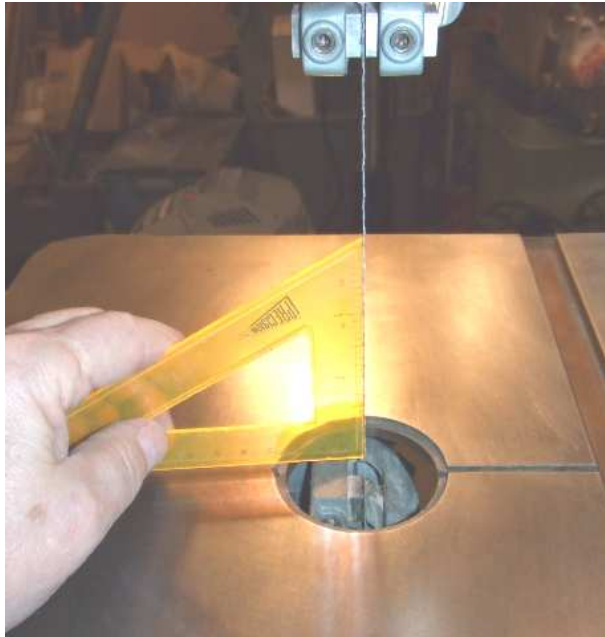
- Step 4 - Round over the back edge of the blade

## Reinstall and Tune the Blade



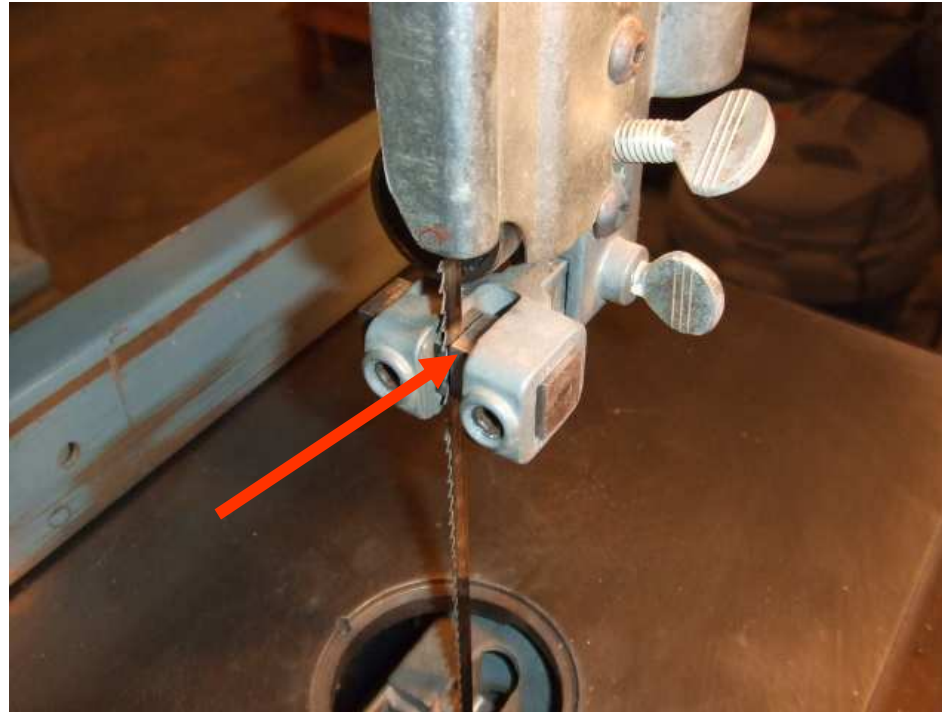
- Step 5 - Remove the blade and turn it 'right side out' - teeth facing down
- Step 6 - Reinstall and tension the blade
- Step 7 - Adjust the tracking so that the blade is slightly left of center

# Adjust the Table to 90 degrees



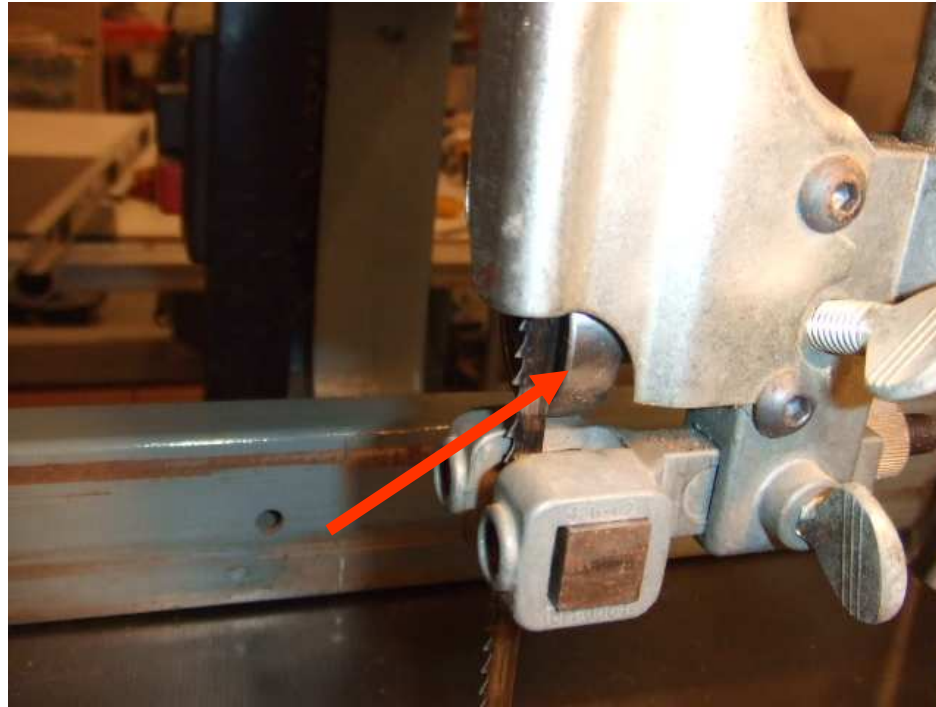
- Step 1 - Install the upper and lower guide assemblies
- Step 2 - Check the table to blade angle using a drafting triangle or machinist's square
- Step 3 - Adjust the 90 degree stop and lock in place

## Adjust the Guide Block Assemblies



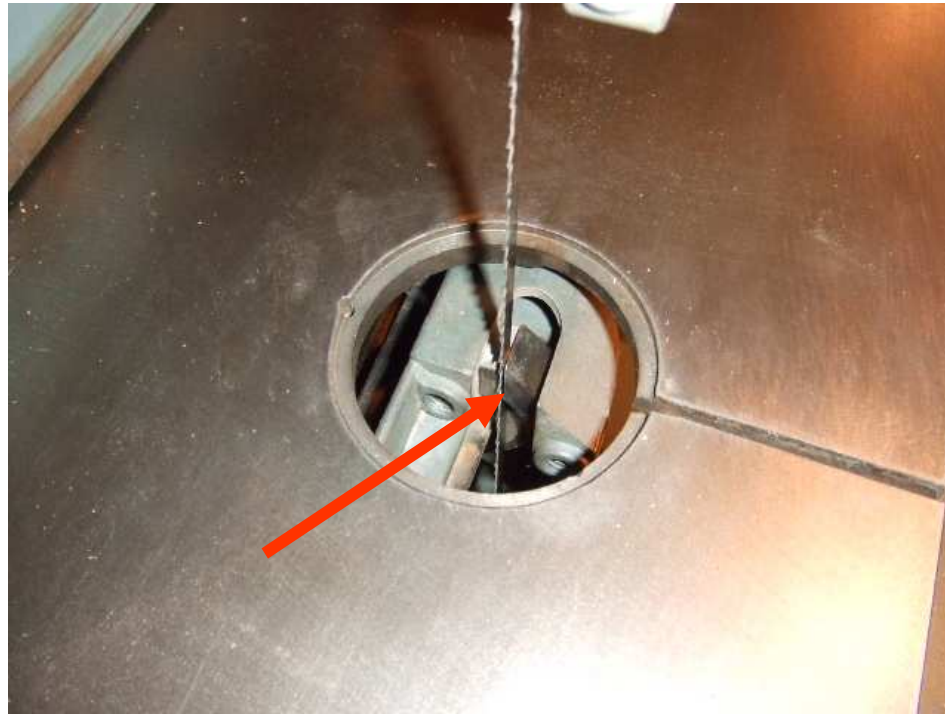
- Step 1 - Run the saw and 'warm up' the blade
- Step 2 - Adjust the blocks so that they are behind the teeth on the blade
- Step 3 - Adjust the spacing of the blocks so they are not touching the blade

## Adjust the Guide Block Assemblies



- Step 4 - Adjust the backing bearing so that it almost touches the blade

# Adjust the Guide Block Assemblies



- Step 5 - Repeat for the lower guide block assembly

Rebuilding a Bandsaw

Richard Hicks on March 25, 2013