Belt Replacement - Y-Axis [PLS]

Take note of the current tension of the Y-Axis Belt by using your thumb and index finger. You will need to try and match the current tension of the old belt to the new Y-Axis Belt that will be installed.

1. Power OFF and unplug the PLS.
2. Remove the X-Axis Arm.

3. On both Y-Axis Rails is a Y-Axis Belt Clamp. Unscrew all 6 screws, 3 on each, and set the screws and clamp aside.

4. After the Y-Axis Belt Clamp has been removed staple the new Y-Axis Belt (1) to the old belt (2). Do not overlap the belt and make sure that the teeth are in the same direction.

5. Slowly pull the other end of the old belt, allowing the new belt to be pulled through the inside of the Y-Axis Rail. Make sure that you do not twist the belt going through the rail. The teeth of the belt should be facing inward.

6. Once the new belt is completely through the Y-Axis Rail, remove the staple and discard the old belt.
7. Insert the new Y-Axis Belt ends into the belt clamp with the belts teeth facing inward. The Y-Axis belt in the following image was twisted for reference only.

8. Once the belt is attached to the belt clamp you will need to tension it. Located on both ends of the Y-Axis rails are Idler Pulleys (1). To tension the Y-Axis belt turn BOTH tensioning screws on the Y-Axis rail the same amount.

9. Installation is opposite of removal.

10. Once everything back in place you need to square the X-Axis Arm (X-axis Arm Alignment Check and Adjust).