



## **Directions for Changing Drive Belt on TSM-35 Pocket Machine**

- ***All directions oriented as if you are standing at the front of the machine.***

1. Lift white pallet:  
Turn off the air supply.  
Using a  $\frac{7}{16}$ " wrench, remove the four carriage bolts closest to you that secure the pallet to the case sides.  
Tilt up the pallet and tighten the two remaining bolts so that it doesn't fall down on you.
2. Remove belt cover:  
Using a  $\frac{7}{16}$ " wrench, remove the two nuts holding the belt cover to the red motor carriage.  
Slide out the U-Bolt and put aside for re-assembly.
3. Relax belt tension:  
Using a  $\frac{9}{16}$ " wrench, loosen the four  $\frac{3}{8}$ " hex head bolts anchoring the motor pull plate to the red motor carriage.  
Again using the  $\frac{7}{16}$ " wrench, loosen the nut on the set screw protruding through the front facing edge of the red motor carriage.
4. Remove belt:  
Using the  $\frac{7}{16}$ " wrench, remove the two nuts, above the nuts that held the belt cover on, to remove the spindle. You only need to move the spindle enough to slip the old belt off and the new one on.
5. Install new belt:  
Slip the new belt on in the same fashion as you removed the old belt. There are arrows marked on the belt, make sure that the arrows point in the direction of rotation (counter clockwise). Replace the spindle.  
Again using  $\frac{7}{16}$ " wrench tighten the nut on the set screw all the way until it bottoms out.  
Now, using the  $\frac{9}{16}$ " wrench, re-tighten the four  $\frac{3}{8}$ " hex heads.  
Replace belt cover.  
Lower the white pallet and secure.

### **\*\*\*Handy Tip\*\*\***

Here's a method for determining proper belt tension:

When belt is uninstalled, lay it flat, use a pen or pencil to make two marks two-and-a-half inches ( $2\frac{1}{2}$ " ) apart from each other.

When belt is installed, measure the distance between the two marks, they should just measure two-and-nine-sixteenths inches ( $2\frac{9}{16}$ " ) apart for proper tension. Loosen the motor mounting screws on the red carriage and slide the motor forward or back as necessary to achieve the  $2\frac{9}{16}$ " tension.