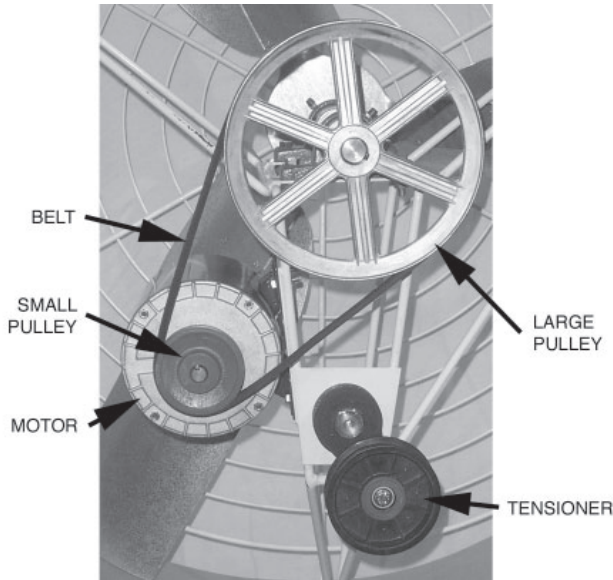


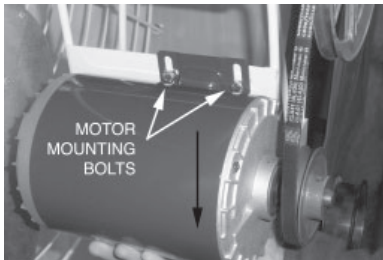
ADJUSTMENT PROCEDURES

BDAP-10/02



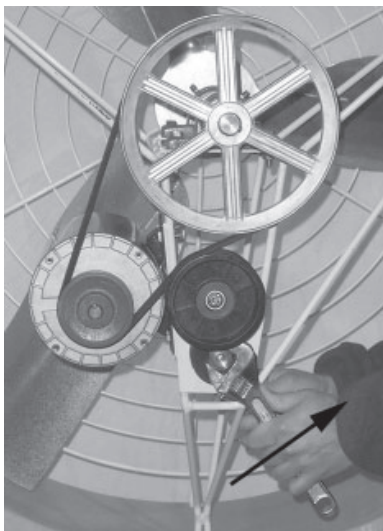
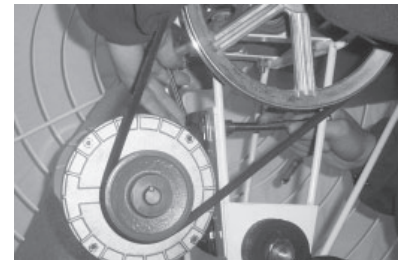
1. FAMILIARIZE YOURSELF WITH THE VARIOUS PARTS OF THE DRIVE SYSTEM.

- The motor is bolted onto the large plate on the left hand side of the wire frame using four 5/16" bolts.
- The small pulley is installed on the motor and aligned with the large pulley. Alignment is very important so use a straight edge to make sure the pulleys are properly aligned.
- The large pulley is mounted on the shaft connected to the fan blade. Ensure the set screw is tight.
- The belt should be installed before the tensioner is adjusted as trying to install the belt with everything tight could stretch or damage the belt.
- The tensioner may already be set to apply approximately the right tension from factory. When installing a new belt, loosen off the tensioner and let it hang out of the way as shown. A single bolt on the back side holds it in place.



2. ADJUST THE MOTOR TO REMOVE THE SLACK IN THE BELT.

- Loosen the 4 motor mounting bolts so that the motor can slide up and down.
- Drop the motor down until there is no slack in the belt.
- Tighten the four motor mounting bolts securely. Take care to make sure the motor shaft remains parallel to the fan shaft so that the pulley alignment remains true.



3. ADJUST THE TENSIONER SUCH THAT A 4-5 LB. FORCE WILL DEFLECT THE BELT 5/32".

- Loosen the 3/8" bolt holding the tensioner on the back of the tensioner.
- Use a wrench on the large brass nut on the front of the tensioner to rotate the tensioner into the belt - temporarily tighten the bolt holding the tensioner on from the backside of the tensioner.
- Check the tension of the belt using a tension tester. On the H48 fan with 10" center distance a 4-5 lb force applied on the belt between the two pulleys should deflect the belt 5/32" (see photo on right).
- When proper tension is achieved, hold the tensioner with the large wrench while fully tightening the bolt on the backside (see photo on the left).

