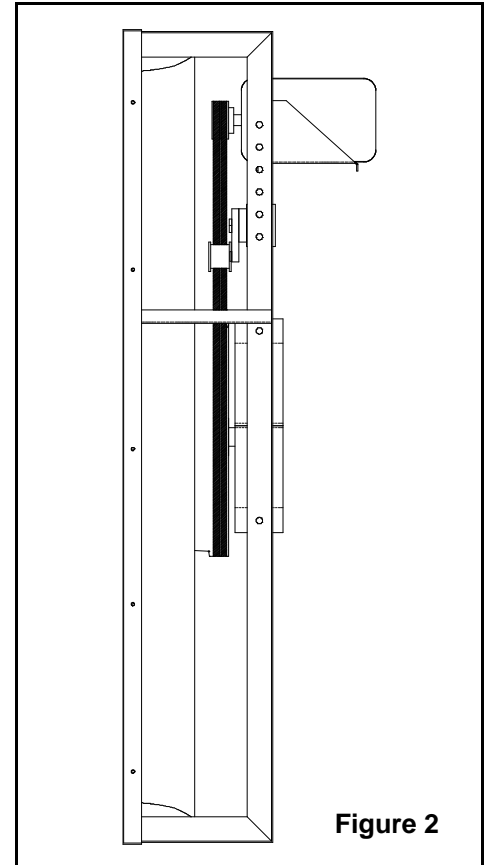
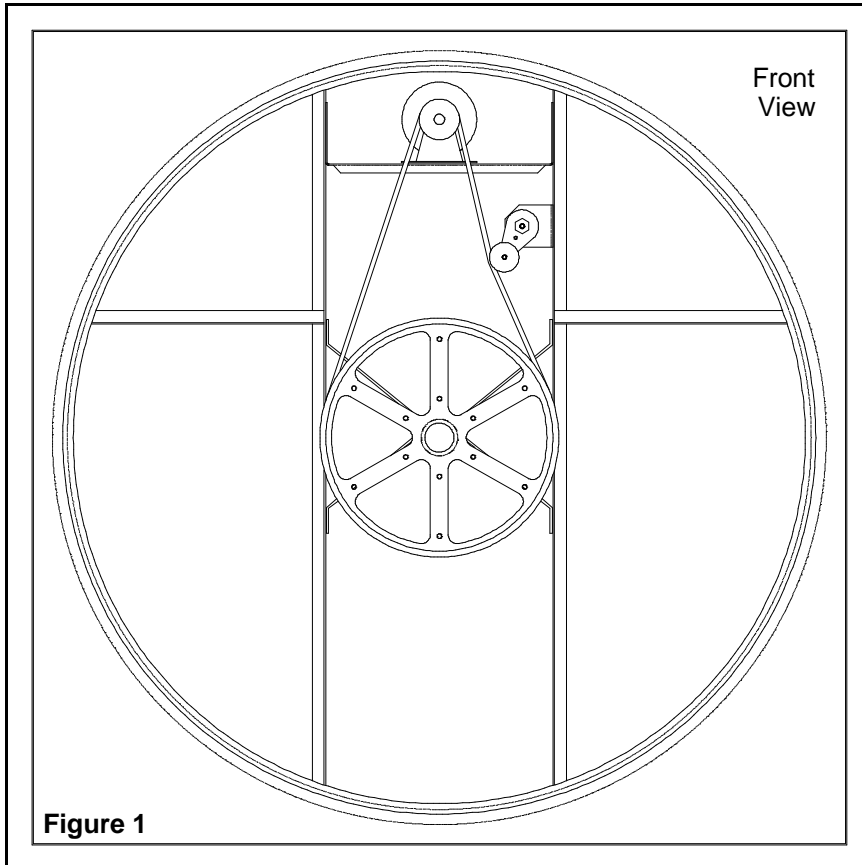




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MOTOR AND AUTO BELT TENSIONER MOUNTING INSTRUCTIONS FOR TYPE CBHX FANS



Assembly of motor and optional Coolair Auto Belt Tensioner (blades removed for clarity of detail)

Before beginning assembly of the auto belt tensioner, verify that all of the components are present. Each kit should consist of a belt tensioner and a tensioner bracket. All 1/2" hardware used to assemble the tensioner to the fan is included with the kit. A 3/8" bolt is included with the tensioner for mounting and adjustment.

When using the tensioner with a Coolair Type CBHX fan, the motor must be located at the top of the fan. See Figure 1. Mount the motor bracket in the fan as shown, and finger tighten the hardware. Determine the holes on the motor bracket that match those on the base of the motor. Using the bolts, flat washers, lock washers, and nuts provided with the fan, tighten the motor to the motor bracket.

Next, attach the tensioner assembly to the fan upright using the 1/2" hardware supplied with the kit. The tensioner bracket is slotted to allow for adjustment in and out of the fan to align the belts with the tensioner pulley. Also, there are four slots in the tensioner bracket. Two of them will match the holes in the fan upright. Tighten the bracket to the upright using the 1/2" bolts, flat washers, lock washers and nuts provided. See Figures 1 and 2.

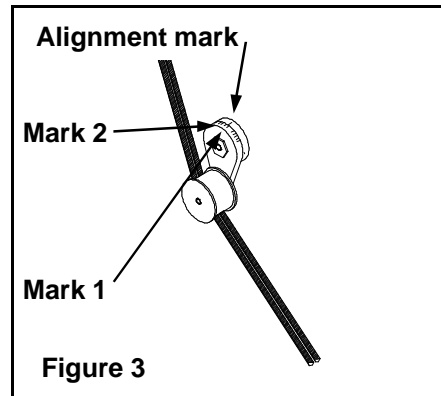
Check the alignment of the motor pulley, the tensioner idler pulley, and the fan disc grooves. If necessary, adjust the position of the motor bracket, the tensioner bracket, and/or the motor pulley so that all three line up. Tighten down all hardware.

MOTOR AND AUTO BELT TENSIONER MOUNTING INSTRUCTIONS FOR TYPE CBHX FANS (continued)

(continued)

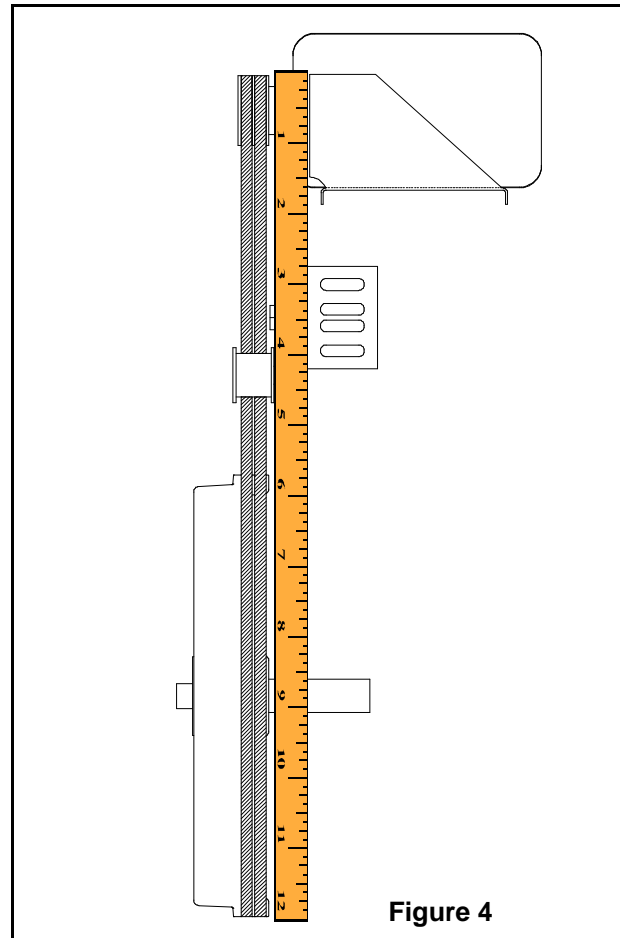
Thread the belts over the fan disc and the motor pulley. With a 15/16" wrench, rotate the tensioner assembly such that the idler pulley is against the backside of the belts and the alignment mark is between mark 1 and 2 on the idler arm. See Figure 3. Tighten the 3/8" bolt.

Turn the blade assembly by hand to insure free rotation. **Do Not Over Tension The Belt.** This will cause premature belt and bearing failure. To check that the belt tension is not too high, place a finger midway between the fan pulley and motor pulley and push inward about 1/2". The force required to do this is not to exceed 5 pounds.



BELT ALIGNMENT INSTRUCTIONS

The fan drive assembly must be aligned for proper fan performance. Before wiring and operating the fan, check that the drive pulley, driven disc and belt tensioner are aligned by using a straight edge such as a scale or yard stick. See Figure 4. Motor pulley and tensioner bracket will slide in or out to align with the fan disc grooves.



Detailed View of Properly Aligned Fan Sheaves (Blades and fan frame removed for clarity of detail)