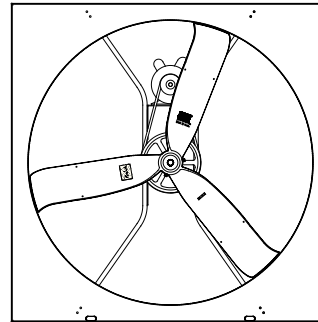


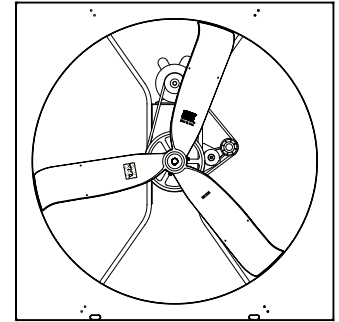
Belt Tensioner Kit (FH2415) includes:

1	FH2402	Tensioner (Factory Assembled)
1	KS1031	1/4"-20 x 1.5" Bolt, ZP
1	KW4908	M8 x 32mm Flat Washer, ZP
1	KN1705	1/4"-20 Nylock Nut, ZP

**⚠ Belt required, sold separately**



AX/GB without  
Tensioner



AX/GB with  
Tensioner

### INSTALLATION INSTRUCTIONS



**Disassembling the fan.** (Keep all fasteners, as they will be reused, unless otherwise noted.)

**Step 1**

Remove the shutter or inlet guard from the fan.

**Step 2**

The propeller may need to be removed. Before removing propeller, place an alignment mark on shaft with a marker. This will be used later to reinstall the propeller to this location. Remove the propeller from the shaft.

**Step 3**

Remove the existing drive belt. Remove bolt, nut and washer from strut where tensioner bracket will be installed. Bolt to be removed is the upper bolt fastening the bearing support to the strut on the right side while working from the propeller side of the fan. **See Figure 1.**



**Step 4**

Install the belt tensioner bracket tight, to the left strut (if viewed from back of fan) using (1) 1/4" x 1.5" bolt, nut and washer (all provided). Through the top hole of the new bracket and into the open hole of the strut above the bearing base. Reinstall the bolt and nut removed in **Step 3** into the lower hole in the new bracket. **See Figure 2.**

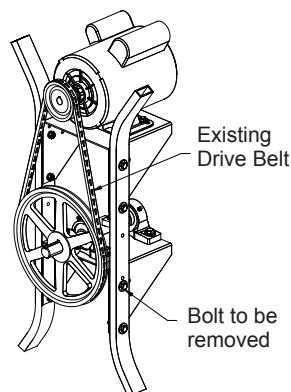


Figure 1

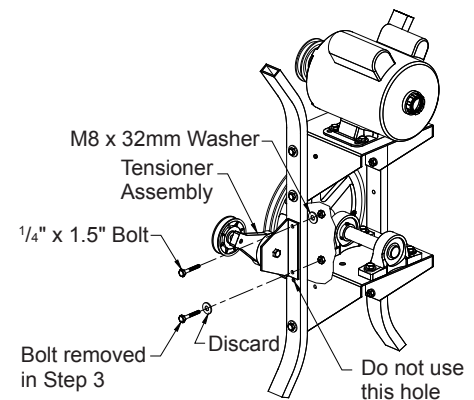


Figure 2

### Step 5

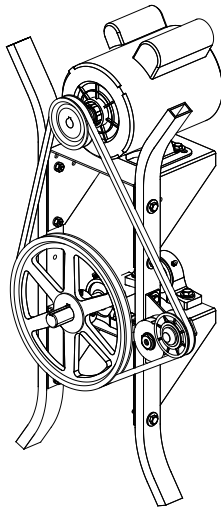
Install new belt. Start by placing belt over motor pulley, then over idler pulley and rotate around bottom of propeller pulley. **See Figure 3.**

### Step 6

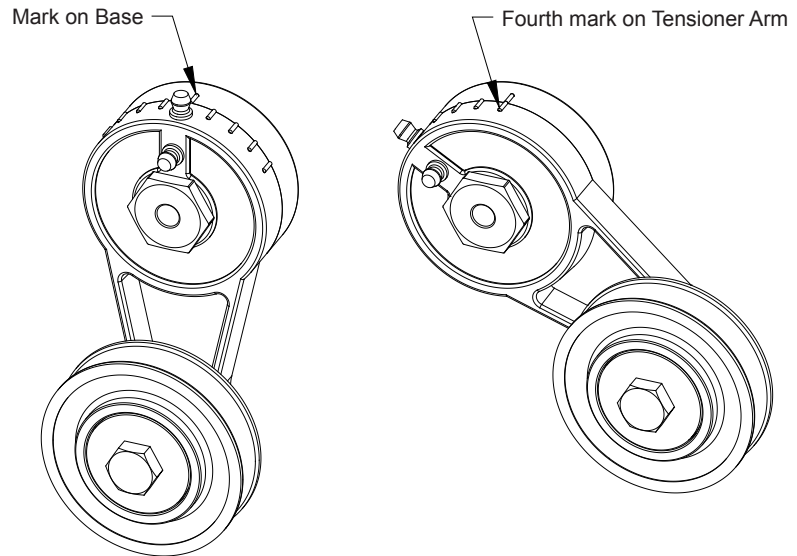
Slide propeller on the shaft to its original position as marked on shaft in Step 2 and tighten set screw to 150 in lbs of torque.

### Step 7

To adjust the belt tensioner to the proper setting, loosen 10 mm bolt (using 17mm end wrench) to allow tensioner arm to rotate. Working from inlet/motor side of fan, place a 27 mm (1 $\frac{1}{8}$ " ) wrench onto the hex on the tensioner. Turn wrench counterclockwise until the single mark on base of the belt tensioner is aligned with mark 4 on the tensioner arm. Hold tensioner at this setting and tighten the 10mm bolt to 40 ft.-lbs [54 N-m] torque.



**Figure 3**



**Figure 4**

### Drive Alignment

#### Step 1

Use a straight edge to check the alignment of the pulleys. **See Figure 5.**

#### Step 2

Check alignment of belt on idler pulley, it should be centered on the idler pulley. The belt tensioner's idler pulley is fixed in position, therefore, alignment must be obtained by adjusting the motor and propeller pulleys.

#### Step 3

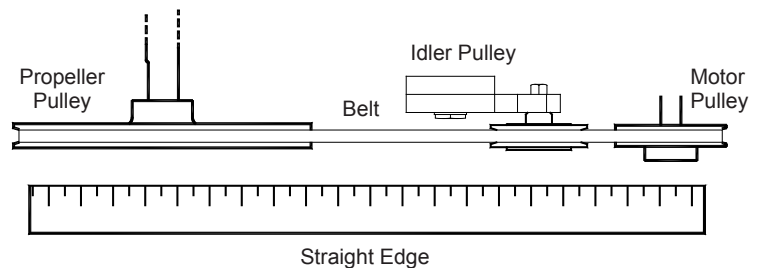
If an adjustment is needed, remove the belt, then loosen the set screws in the pulleys and move them as necessary to achieve proper alignment.

#### Step 4

Remember to tighten the pulley set screws after making an adjustment.

#### Step 5

Drive alignment is very important for long belt life and proper operation.



**Figure 5**

Installation now complete, reconnect power to the motor and install the shutter or inlet guard.