

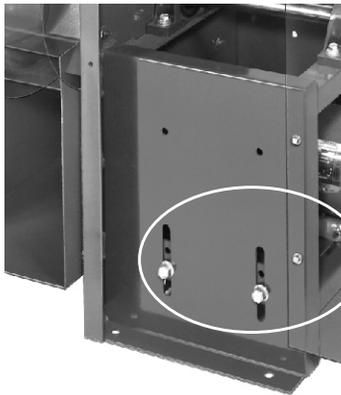
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DRIVE CHANGEOUT AND ADJUSTMENT ON CMB SERIES FANS

CAUTION: BEFORE PROCEEDING WITH ANY REPAIRS TO FAN, MAKE SURE ALL LOCKOUT AND TAGOUT PROCEDURES ARE FOLLOWED. ALL POWER MUST BE DISCONNECTED FROM THE FAN

Remove weather cover from fan if installed.

The belts on the two pulleys are tight under tension. To relieve the tension and put slack in the belts, loosen the bolts (see below) on both sides of the motor platform. Raise the motor platform until there is slack in the belt, and tighten the bolts to hold the motor in the elevated position.



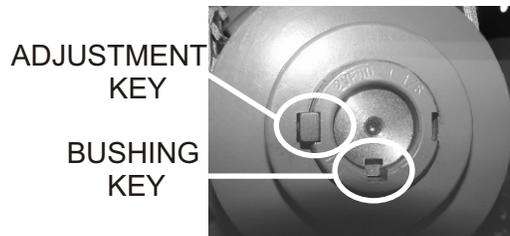
Loosen bolts on both sides of motor platform.
Raise platform until there is slack in the belts.
Tighten bolts to hold motor in upright position.



When tension is off belts, they can be removed from pulleys.

TO ADJUST OR CHANGE MOTOR SHEAVE

When the fans are constructed, an adjustable motor sheave is selected so that it can be set at about mid-point which will allow some adjustment for increasing or decreasing RPM if needed.



Drive in closed position

After the belts are removed, loosen set screws on the front and back of adjustable drive and remove the adjustment key that sets the drive. The bushing key does not have to be removed unless you are changing the drive. The drive can now be adjusted by opening or closing the drive on each side. The drive is keyed to increments of $\frac{1}{2}$ turns. **VERY IMPORTANT:** Equal amount of adjustment must be made on each side of drive. Closing the drive all the way will give the fan the maximum RPM. Opening the drive will decrease the RPM.

After adjustment, reinsert the key (Make sure the hole for the keys are aligned so key can slip through the drive), and tighten the set screws securely.



Drive in open position

Re-attach the belts. Loosen the bolts holding the motor in the up position and push the motor down to tighten the belts. The amount of adjustment made to the drive should not require a resizing of the belting material. See page 2 for additional instructions if you are attaching a different adjustable drive on the motor shaft.

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Attach the new motor sheave to the motor, making sure the drives are aligned. Reposition the belts on the two drives. NOTE: If belts show signs of wear, replace both belts at this time.



Loosen bolts on motor base to put tension on the belts, one side at a time, checking after each side to make sure the motor drive is level with the fan wheel shaft.



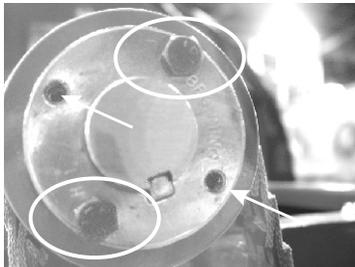
Check level of motor pulleys and shaft to make sure they are the same. Make sure the pulleys are aligned properly. Allow for bushing to draw sheave when tightening. After adjustment "peen" key in bushing with punch.



Tension on belts should be tight to prevent belt slippage.

TO CHANGE SHAFT DRIVE

Follow all of the steps listed for motor drive to loosen and remove belts.



Remove the two 7/16 bolts from the drive and attach and screw them in to the two open holes indicated by the arrows. This will release the drive from the shaft.

Remove the key and the drive, replace with new drive and insert shaft key. Repeat the procedure of removing the bolts and replacing them into the empty holes. Peen the key in bushing with punch to secure to shaft.

Follow procedures in aligning drives, and tensioning belts.

If any vibration is noticeable, sheaves may be out of alignment, or motor may not be level. Recheck all installation steps if necessary. If you need factory assistance, please give us a call.