

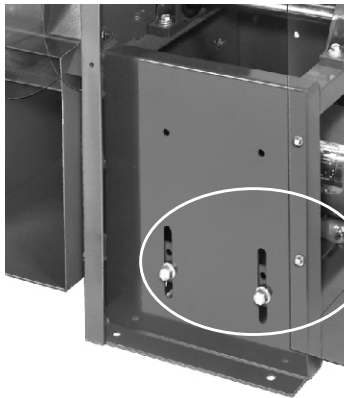
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SHEAVE CHANGEOUT AND ADJUSTMENT ON CMB SERIES FANS

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 sheaves are tight under tension. To relieve the tension and put slack in the belts, loosen the bolts (see below) on the long side (side with most room clear of motor) of the motor platform. Raise the motor platform until there is slack in the belts, and tighten the bolts to hold the motor in the elevated position.

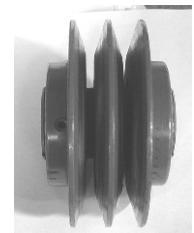
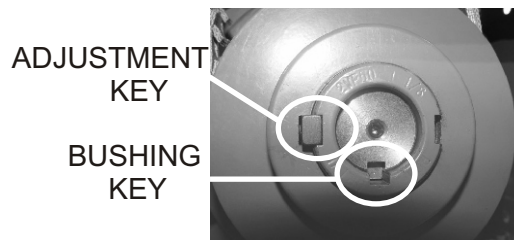
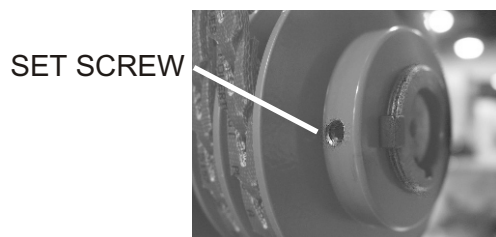


Loosen the two bolts on one side of motor platform. Pry loosened side of motor platform until there is slack in the belts. Then tighten bolts to hold motor in upright position.

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

TO ADJUST OR CHANGE MOTOR SHEAVE

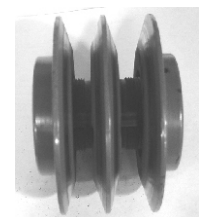
When the fans are constructed, an adjustable motor sheave is selected so that it can be set at about mid-point which will allow some adjustment for increasing or decreasing RPM if needed.



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

Sheave in closed position

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



Sheave 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 sheave should not require a resizing of the belting material. See page 2 for additional instructions if you are attaching a different adjustable sheave on the motor shaft.

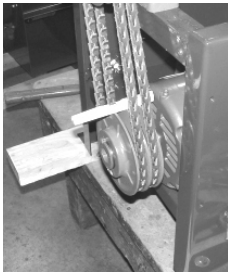
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Attach the new motor sheave to the motor, making sure the sheaves are aligned. Reposition the belts on the two sheaves. NOTE: If belts show signs of wear, replace both belts at this time.



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 sheave is level with the fan shaft.



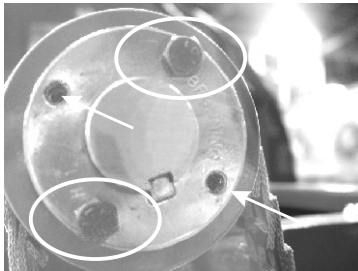
Check level of motor sheaves and shaft to make sure they are the same. Make sure the sheaves are aligned properly. Allow for bushing to draw sheave when tightening. After adjustment "peen" key in bushing with punch.



Tension on belts should be tight to prevent belt slippage.

TO CHANGE SHAFT SHEAVE

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



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

Remove the key and the sheave, replace with new sheave 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 sheaves, 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.