

PRE-INSTALLATION CHECK & ASSEMBLY INSTRUCTIONS FOR UBCA 12 - 20 | CRBA 12 - 18

Before installation of an American Coolair fan, thoroughly check all equipment for shipping damage which may affect operation of the unit. If damage is found, file a claim immediately with delivering carrier. UBCA and CRBA Power Roof Ventilators are shipped as a shell and a powerpack with the motor pulley, fan pulley, motor and belt packaged together. The instructions below detail the assembly of the powerpack. Installation on UBCA units may be made easier by removing the upper outer housing during installation.

- 1** Attach the motor pulley to the motor as shown, ensuring that the pulley is set to the turns open stated on the model specifications page.



- 2** Connect the motor bracket to the motor using the washers and bolts provided and pre-wire the motor for the specified voltage and counter-clockwise rotation.



- 3** Secure the motor bracket to the swivel bracket by pushing the swivel pin through the swivel and motor bracket holes.



- 4** Secure the swivel pin by inserting the hairpin cotter as shown.



- 5** Insert the key in the drive shaft keyway and attach the fan pulley, vertically aligning the fan pulley groove with the motor pulley groove that was installed earlier.



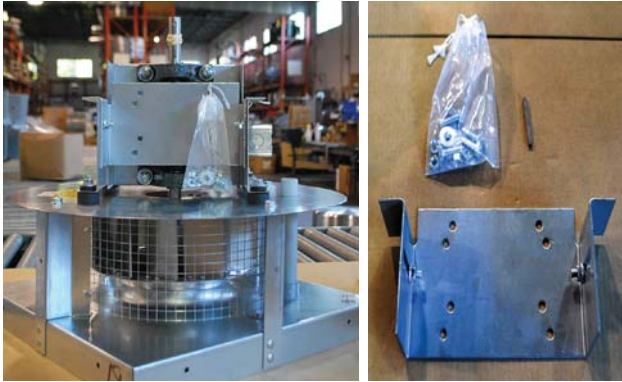
- 6** Thread the belt over the pulleys, and position the motor to tighten the belt. Ideal tension is the lowest at which the belt will not slip under peak load conditions. Run the tensioner bolt to the motor bracket and tighten the locknut to complete assembly.



PRE-INSTALLATION CHECK & ASSEMBLY INSTRUCTIONS FOR CRBA 06 - 10

Before installation of an American Coolair fan, thoroughly check all equipment for shipping damage which may affect operation of the unit. If damage is found, file a claim immediately with delivering carrier. CRBA Power Roof Ventilators are shipped as a shell and a powerpack with the motor pulley, fan pulley, motor and belt packaged together. The instructions below detail the assembly of the powerpack.

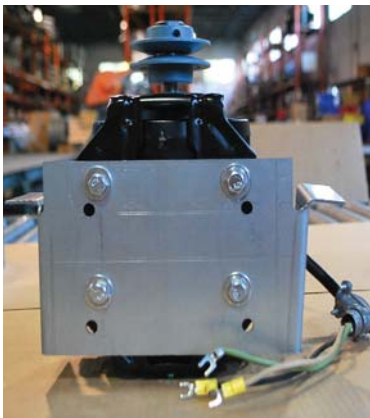
- 1** The unit ships with the motor bracket attached. Remove the motor bracket, hardware kit, and drive shaft key.



- 3** Place the motor bracket assembly between the support rails, loosely assemble using the hardware removed in step 1.



- 2** Mount the motor to the motor bracket using the hardware provided and pre-wire the motor for the specified voltage and counter-clockwise rotation. Attach the motor pulley to the motor as shown, ensuring that the pulley is set to the turns open stated on the model specifications page.



- 4** Insert the key in the fan shaft keyway and attach the fan pulley, vertically aligning the fan pulley groove with the motor pulley groove. Thread the belt onto the pulleys and slide the motor bracket assembly to tension the belt. Ideal tension is the lowest at which the belt will not slip under peak load conditions. Tighten the motor bracket hardware to complete assembly.



PRE-INSTALLATION CHECK & ASSEMBLY INSTRUCTIONS FOR CRDA | CUDA | CWDA

Direct drive models are shipped fully assembled. Follow the pre-installation check instructions before installing the unit.

- 1** Before installation of an American Coolair fan, thoroughly check all equipment for shipping damage which may affect operation of the unit. If damage is found, file a claim immediately with delivering carrier.
- 2** Before connecting the unit to a power source, turn the wheel by hand to ensure that it turns freely without striking anything. Check to make sure that the data on the motor nameplate agrees with the electrical service that is going to be applied, double checking the voltage and phase.
- 3** Check the wiring diagram to make sure that the proper connections are made for the electrical service being applied. Note the directional arrow for correct wheel rotation when power is applied.



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