



## INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

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### MODEL HC114 OR HC210 – FAN MOTOR

#### SAFETY & OPERATION PRECAUTIONS

- A. Power to the chiller must be safely shut off prior to beginning work.
- B. Installing these parts requires access to the front and back side of the unit. If necessary, water lines should be disconnected from the unit in order to gain access. Be sure that the supply valves are shut off and a towel or bucket is used to catch any residual water remaining in the lines.
- C. Care should be taken not to puncture refrigeration system lines. Some lines contain gas under high pressure.
- D. Model HC114 is for HCR8 (115V). Model HC210 is for HCR8.50 (220V).
- E. Handle the fan blade with care to avoid bending.

**SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL PLEASE CALL:**

**TECHNICAL SUPPORT: 1-800-766-5612**

**FOR CUSTOMER SERVICE: 1-888-640-4297**

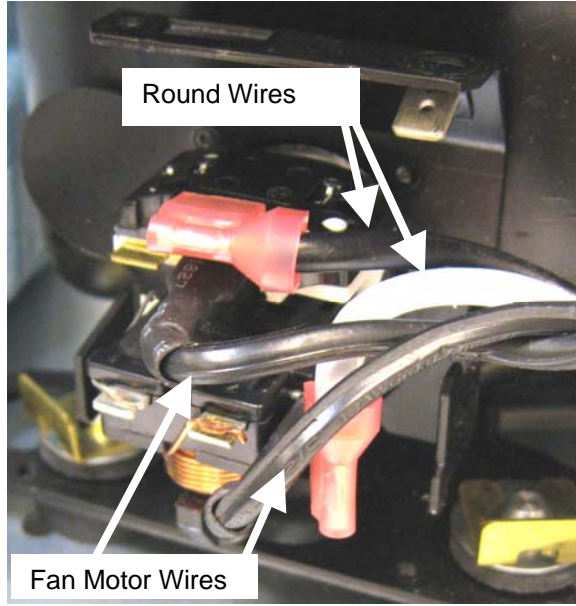
#### INSTALLATION

- STEP 1:** Remove the back panel from the unit by removing the quantity 10 corresponding screws.
- STEP 2:** Remove the front panel from the unit by removing the quantity 9 corresponding screws.
- STEP 3:** Remove the plastic electrical cover from the compressor by inserting a flathead screwdriver into the slot on the top face and pushing down on the handle. (See Figure 1). The wires can then be slid out of the slot in the right hand side and the cover can be removed by pulling towards the front of the unit.
- STEP 4:** Disconnect the round black and white wire terminals from the terminals on the ends of the fan motor wires. Take note of their locations. (See Figure 2).

- STEP 5:** Disconnect the fan motor wire terminals from their respective positions on the compressor thermal protector and relay.
- STEP 6:** Remove the two tie wraps securing the fan motor wire to the foam tube insulation.
- STEP 7:** Remove the quantity 4 bolts retaining the fan bracket to the top panel. Take care not to damage the condenser fins after freeing the fan assembly.
- STEP 8:** Hold the fan blade stationary by gripping the base of the blades, not the blades themselves (See Figure 3). Remove the nut retaining the fan blade and rubber damper. Use a glove if sharp surfaces are present on the fan blade.
- STEP 9:** Remove the fan blade and rubber damper.
- STEP 10:** Remove the fan motor bracket from the fan motor by removing the corresponding quantity 4 screws. (See Figure 4).
- STEP 11:** Assemble the fan motor bracket to the new motor. Take care that the bracket is assembled such that the notch will face the front of the chiller. The fan motor wire should exit the right hand side of the motor when the chiller is viewed from the front.
- STEP 12:** Install the rubber damper, taking care to align the four holes on the back side of the damper with the four nubs on the fan motor. (See Figure 5).
- STEP 13:** Install the fan blade. Take care to install with correct orientation (See Figure 6). The concave surface at the outside of the fan blades should face away from the fan motor. The four holes in the blade should align with the four nubs on the fan damper.
- STEP 14:** Re-assemble by reversing Steps 3-8. Take care not to damage or bend the fan blade.
- STEP 15:** Check for free rotation of the fan blade by manually spinning and visually inspecting gaps between nearby parts and the blade.
- STEP 16:** Re-assemble the front panel using the quantity 9 corresponding screws.
- STEP 17:** Re-assemble the back panel using the quantity 10 corresponding screws.
- STEP 18:** Reconnect water lines and electrical power and check for unusual noise or excessive vibration during fan running.



**Figure 1**



**Figure 2**



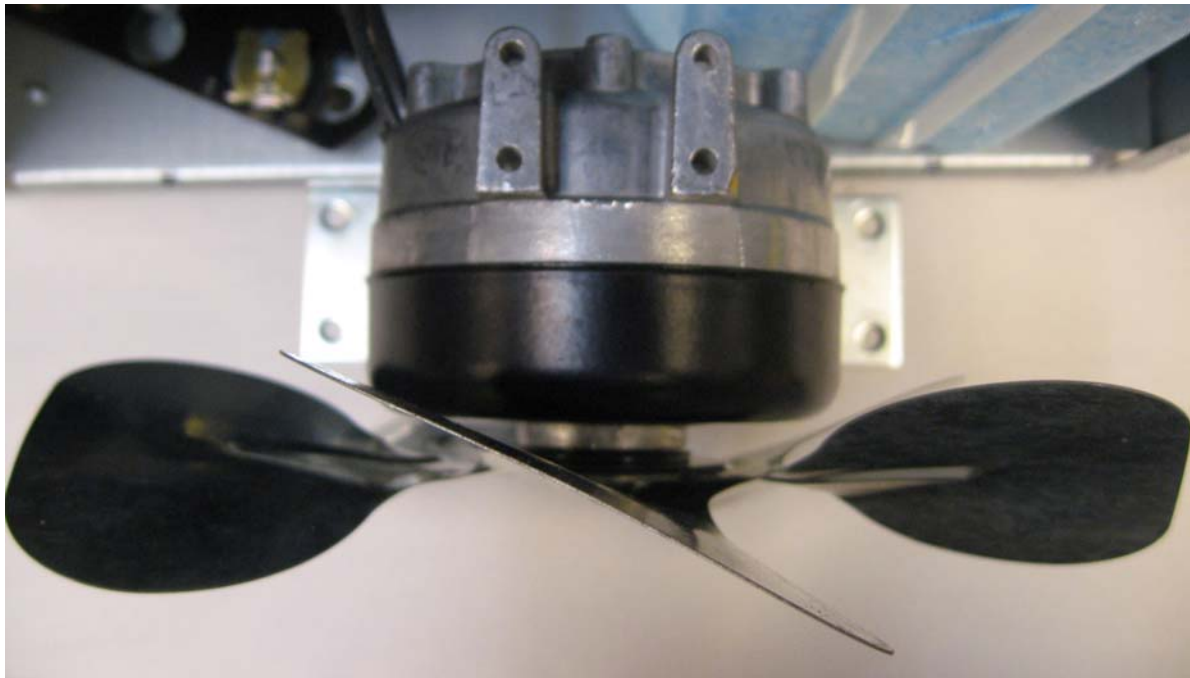
**Figure 3**



**Figure 4**



**Figure 5**



**Figure 6**

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