

# MOTOR REPLACEMENT

PARMTRJ2500A



## WARNING!

Disconnect evaporative cooler from electrical source before beginning work on product. Electrical shock resulting in injury or death can occur when working in a wet environment. Perform all maintenance with evaporative cooler unplugged.

### Before beginning

Position evaporative cooler with plenty of working room on all sides. Disconnect evaporative cooler from electrical and water supplies. The two back casters on the evaporative cooler must be in the locked position before beginning to work on this product.

## Remove the KUUL® evaporative media

### Step 1

Lock the casters to keep the evaporative cooler from moving while you are working. Remove the evaporative media flap attached to the top of the evaporative cooler with screws. Remove the screws and set the evaporative media flap aside.

### Step 2

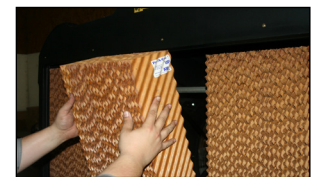
All KUUL evaporative media must be removed before accessing the inside of the evaporative cooler housing. Remove the center piece of the evaporative media first by grasping at the top and tilting it out and away from the evaporative cooler. While tilting the evaporative media out, lift the piece up and out.

### Step 3

Remove remaining evaporative media in the same manner. Set aside in a safe place to prevent damage while out of the evaporative cooler. Once all the evaporative media has been removed, you should have access to the inside of the evaporative cooler housing and internal components.



STEP 1



STEP 2

## Motor replacement

(KUUL evaporative media must be removed before replacing motor)

### Step 1

Once the evaporative media has been set aside, locate the control box and remove the screws. The cover should remove easily.

### Step 2

Find the fan motor cord in the control box and disconnect the cord from the switch. Cut the zip ties holding the cord to the fan brace. **DO NOT CUT ELECTRICAL WIRES.**

### Step 3

Loosen the four bolts holding the motor support arms to the venturi. Remove the fan brace from the motor with a star driver. Remove the motor and the motor support arms from the evaporative cooler housing.

### Step 4

Remove the fan hub cover. Remove the nut and washer from the motor shaft holding the fan blades in place. Loosen the bolts on each motor support arm and slide them from the old motor. Be sure to save key. Discard the old motor.

### Step 5

Replace the motor support arms on the new motor in the same location they were on the old and tighten the bolts - the arms **MUST** be at 90 angles from one another and should be flush with the top of the motor. Line up the key with the fan hub, then place the fan blades on the motor shaft and secure with the washer and nut. Replace the fan hub cover.

### Step 6

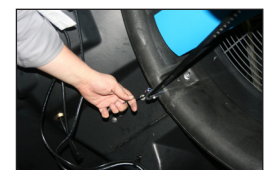
Replace the motor support arms inside the evaporative cooler housing and secure with four bolts. Connect the fan motor wire to the switch in the control box. Gently place all cords back in the control box and place the cover back on, securing with four screws. Replace the evaporative media, beginning on the outer edges and working towards the center. Pay close attention to the stickers on the evaporative media - the arrow sticker should point up and inward. Replace the evaporative media flap, securing it with screws.



STEP 1



STEP 2



STEP 3



STEP 4



STEP 5

**PORTACOOL**

WHEN COMFORT COUNTS™

Check out the collection of HVAC and refrigeration we offer.