

MOTOR REPLACEMENT

MOTOR-010-01



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.

Remove the KUUL® evaporative media

Step 1

Remove the evaporative media grill attached to the side of the evaporative cooler with screws. Remove the screws and set aside. Remove the screws attaching the evaporative media flap to the evaporative cooler and set aside.

Step 2

All KUUL evaporative media must be removed before accessing the inside of the evaporative cooler housing. Remove each piece of 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 1

Step 3

Remove all three pieces of 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 2

Motor replacement

(KUUL evaporative media must be removed)

Step 1

Release the four tabs holding the electrical box together and remove the bottom portion of the box. Pull the fan motor cord out of the switch box and disconnect. Remove the stack assembly. Remove the eight screws securing the transition piece to the cooler and lift the transition piece off. Release the blower housing from the evaporative cooler with the four bolts on the top and two on the front. Remove the four bolts holding the tubing transition piece in place and lift it from the cooler.

STEP 1

Step 2

Remove the worm gear clamp from the motor shaft on the blower wheel inside the blower housing. Turn the blower housing over and disconnect the green ground wire and the two wires that connect to the capacitor. Remove the four bolts that attach the fan motor to the blower housing and remove the fan motor from the blower wheel. Release screw holding the motor band together and remove the arms from the band. Discard old fan motor.

STEP 2

Step 3

Replace the motor band on the new fan motor and slide in the arms. Tighten the screw to tighten the motor band around the motor. Slide the new motor in the blower housing and secure with four bolts. Reconnect the green ground wire and the two wires to the motor capacitor. Secure the worm gear clamp to the motor shaft on the blower wheel.

Step 4

Replace the tubing transition piece in the cooler and secure it with four bolts. Replace the transition piece and secure it on the cooler with eight screws.

Step 5

Connect the fan motor cord to the switch in the electrical box. Place the plate cover back on the bottom of the switch box and secure with four tabs. Replace the stack assembly. Replace the media (see above). Pay close attention to the stickers on the media – the arrows on the pad sticker should point up and inward. Replace the evaporative media flap, securing it with screws. Replace the evaporative media grill cover, securing it with screws.

STEP 5

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