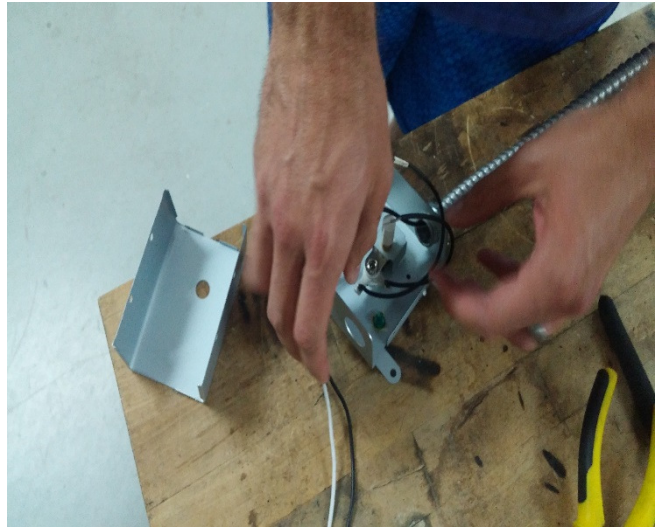


Power Vent Motor Replacement

Step 1: Disconnecting ALL power from the Power Vent Unit

Remove ALL Power from the Power Vent Fan prior to removing the motor from the motor brackets.



Step 2: Removing the Fan Blade

Use a 5/32" Allen Wrench to loosen the Allen screw on the outside of the fan.



If the Allen screw is too tight to loosen with the wrench you may use pliers to assist the loosening process.



The fan will set on top of the motor bracket while the motor is being removed.

Step 3: Loosing the Motor Bracket Bolts

Using a 1/4" socket or open end wrench loosen the three bolts closest to the motor on the motor bracket.



When all three bolts are loosened you will be able to slide the motor out of the motor bracket.



Step 4: Disconnecting the Electrical Conduit from the Motor.

The electrical conduit will be removed from the motor by turning the conduit counter clockwise.



When the electrical conduit is removed from the motor pull the motor wires out of the conduit by pulling on the conduit and sliding it down the electrical wires.



When the wires are out of the electrical conduit, remove the conduit from the thermostat box by turning the conduit counter clockwise. This will make it much easier when installing the new motor wires into the conduit.



If the wires are difficult to reinstall into the electrical conduit, install a piece of wire into the conduit. Tape your motor wires to the wire you installed and use that wire to pull your new wires thru the conduit.



Step 5: Reinstalling the New Motor Wires

Screw the thermostat box back into the electrical conduit by turning clockwise until it stops.



Screw the electrical conduit back into the new motor by screwing the conduit clockwise.



Step 6: Installing the new motor

Install the new motor back into the motor bracket.
Center the motor bracket midway on the motor.



Tighten the three motor bracket bolts that were loosened in step 3.



Step 7: Attaching the Fan to the Motor

The motor shaft has a flat surface that the Allen screw tightens up on. Line this flat surface to the Allen Bolt on the fan blade prior to tightening with the Allen Wrench. The farthest end of the fan hub (the round part on the fan that contains the Allen bolt) should be flush with the end of the motor shaft



When in position use the Allen wrench to tighten the Allen Bolt. Use the pliers to assist in tightening the Allen bolt.



At this point spin the fan on the new motor to ensure that the fan is not rubbing anywhere.

Step 8: Wiring the new Motor Back into the Thermostat.

Wire the new motor back into the thermostat using the same wiring configuration that was used for the old motor.
Congratulation. You have wired the new motor into your Power Vent Unit.

