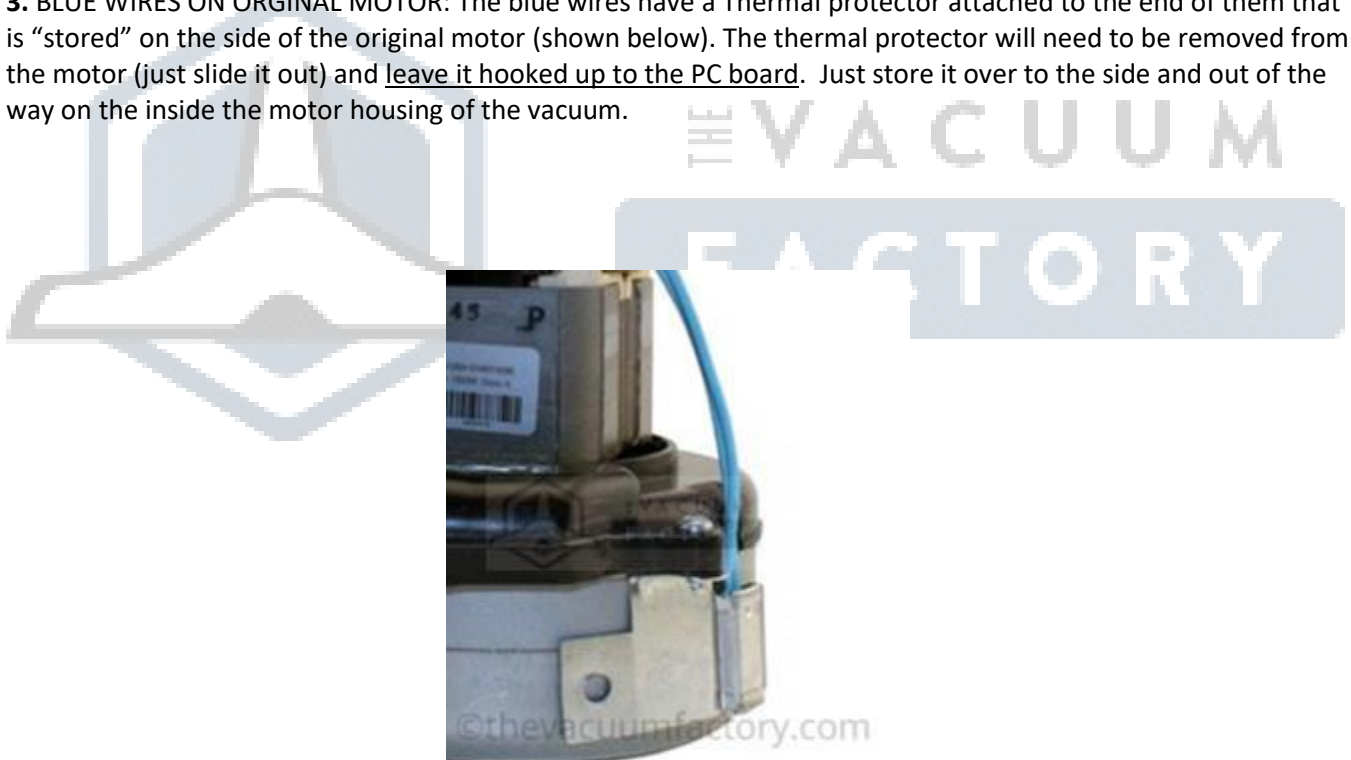# NUTONE VX550 MOTOR REPLACEMENT INSTRUCTIONS

Please be sure to unplug your central vacuum before you replace the motor. We suggest that if you have questions or are unsure of your abilities, please consult a qualified electrician. These instructions are simply a guideline that may be followed.

1. Snip the Black/Red wire and the White wire 3 inches from their connection points on the ORIGINAL motor. We say Black/Red because some of the VX units were built with black wires and some with red wires. We snip these so that you can use the existing wires of the unit without running into any issues with wiring everything up correctly on the PC Board of the unit.

2. Disconnect all of the ground wires (green wire) from the original motor.

3. BLUE WIRES ON ORGINAL MOTOR: The blue wires have a Thermal protector attached to the end of them that is "stored" on the side of the original motor (shown below). The thermal protector will need to be removed from the motor (just slide it out) and leave it hooked up to the PC board. Just store it over to the side and out of the way on the inside the motor housing of the vacuum.

4. Remove the motor from the canister

5. EXHAUST EXTENSION TUBE: Remove this tube from the original motor and connect it to the new motor BEFORE any of the wire connections are made.

6. Mount the new motor in place in the canister.

7. BLACK WIRES ON NEW MOTOR: This is the "easy" part. If you look at the new motor you just received; there will be a "mark" on top of one of the orange carbon brushes sticking out of the side as shown below:

8. Connect the Black/Red wire that was snipped off the ORIGINAL motor to the wire that is on the same side as the carbon brush with the mark on the NEW MOTOR. The white wire will of course connect to the other black wire on the opposite side.

9. ORIGINAL MOTOR GREEN WIRES: Nutone grounded the original motor in 3 different spots; one at the top, one in the middle, and one on the bottom. This original motor green wire has to be "turned into" just one wire that will ground next to the plastic cooling fan cover on top of the new motor shown below:

If unit starts up with no problems, then you are good to go.

NOTE: If the unit does not work after motor has been switched, unplug the unit from the wall and the Blue wires that we tucked away earlier inside the canister, you will need to snip off the thermal protector and splice the two blue wires together. If snipping off the thermal protector does not work either, it is probably not a motor issue but a PC Board issue or worst case scenario, a motor and a PC Board issue.