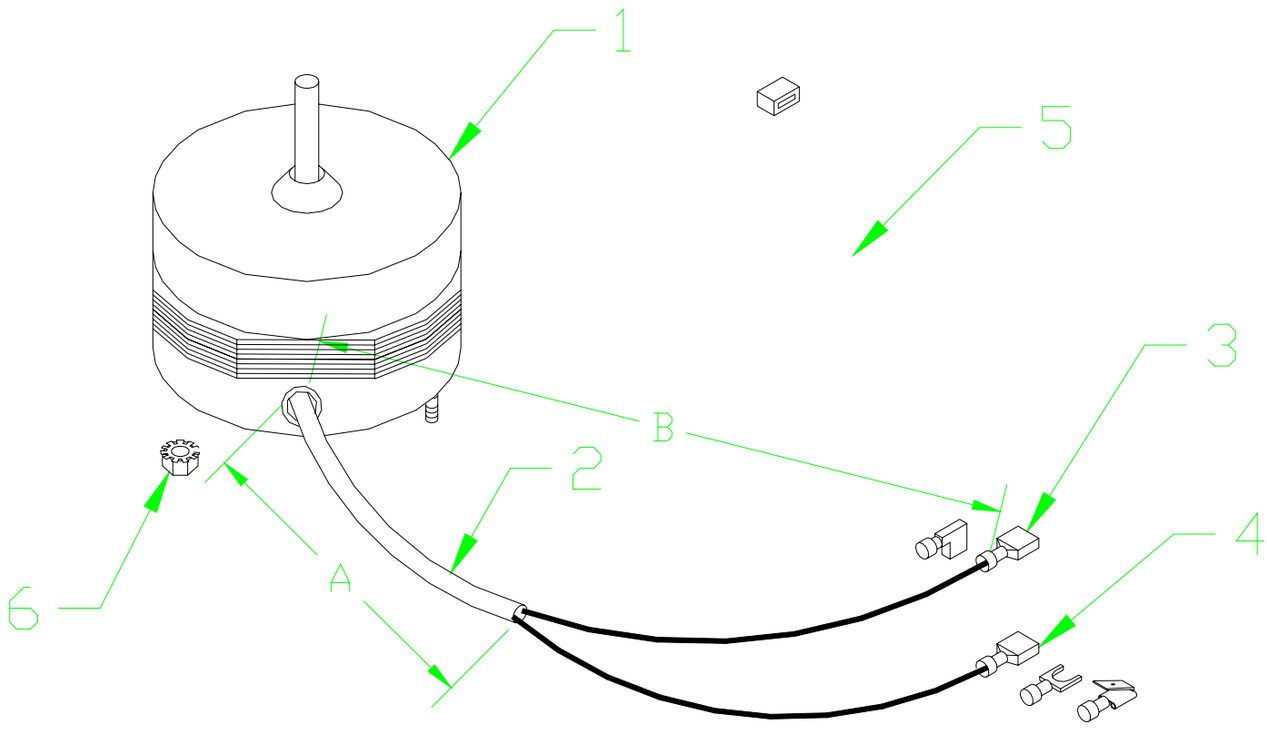
Fan Motor Replacement Guide

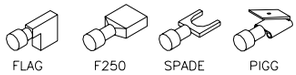
Assembly Tools

Electrical Terminal Crimping Pliers
Wire Cutters
Red Robertson Screwdriver (square peg)
11/32” Nut Driver or small Adjustable Wrench (Crescent Wrench)
1/8” Hex wrench (Allen Key)
Needle Nose Pliers
Flat Head Screwdriver

Assembly Instructions

1. Ensure that all the parts that you require as listed in the Parts Assembly Chart are included in your replacement kit.
2. Turn main power switch on distiller off and drain the boiler tank. CAUTION: DRAIN VALVE MAY BE VERY HOT. Unplug the supply power cord from wall outlet and wait at least 1 hour for distiller to cool.
3. Using the Red Robertson screwdriver, remove the front and rear distiller head covers.
the wire.
8. Using the hex (Allen) wrench, loosen the set screw attaching the fan blade to the motor shaft and slide the fan blade up & over motor shaft. This may require GENTLY lifting the condenser coil slightly. BE CAREFUL NOT TO BEND THE FAN BLADE OR COIL. Keep the fan blade and screw for reassembly.
9. Disconnect the fan wires from the distiller. Use the needle nose pliers for F250, Flag and Pigg connectors (see main diagram) and use the flat screwdriver to undo the screws for Spade connections.*Note where each wire was removed from and the routing of each wire before removing.*
10. Using the wire cutters, cut the plastic tie strap attaching the old motor wires to the distiller body and note location of this zip tie.
11. Using the nut driver or adjustable wrench, remove the keep nuts on the bottom of the distiller attaching the old motor to the distiller body. Remove the motor.
12. Insert the new motor in the distiller body and reattach with the new keep nuts.
13. Connect the wires to the locations where the old wires were removed from using the same wire routes. If you are unsure of where they should be connected, refer to the electrical schematic in your manual. Ensure the wires do not interfere with fan blade motion.
14. Using the plastic tie wrap, secure the wires over the fiberglass insulation to the base of the distiller where the old zip tie was attached. Cut the excess strap using the wire cutters.
15. Reattach the fan blade to the motor. Blade height must be adjusted so that there are no obstructions during rotations. Turn blade by hand to check for obstructions. Reattach covers.
16. Ensure impurities drain valve is closed.
17. Double check wiring to ensure all the wires are connected properly before reinstalling the front and rear distiller covers.
18. Carefully plug the power supply cord into the outlet socket and turn on the power, fan, and water (some models) switches.
19. The distiller should now operate properly. If it does not, confirm that the wires are connected to the proper location by referring to your electrical schematic. If they appear correct, we suggest you take your distiller to an authorized service representative.





ALL DIMENSIONS IN INCHES (mm)		
TOLERANCES		
DECIMALS	RMS	FRACTIONS
.X ±0.05	500	XX-X/X ±1/16
.XX ±0.02	250	X-X/X ±1/32
.XXX ±0.005	125	X/X ±1/64
T.I.R. ±0.010	THD ±1 TURN	∠ ±1°

No.	Part Number	Description	Qty.

MATERIAL:		AMADA#:		NEXT ASSY:	
OPERATION:		SCALE: NTS	BY: AJH	CHK:	DATE:

PART NO.	DWG. NO.	REV