

POWER CORD INSTALLATION KIT

#100804,#101104

Please read complete instructions before replacing components.

Parts Included

This is a universal power cord replacement kit for all Polar Bear residential 26 & 42 model distillers. Please note that all parts will not be used!

26 Models

<u>Part #</u>	<u>Qty</u>	<u>Description</u>
100127	1	POWER CORD SET,16-3, SJT,N.A.
60012	2	SPADE,#10,16-14AWG
60001	1	RECEPTACLE,250,16-14AWG,NORMAL
60019	3	BUTT SPLICE, 14-16 AWG
80025	3	TIE WRAP, PLASTIC, 4"

42 Models

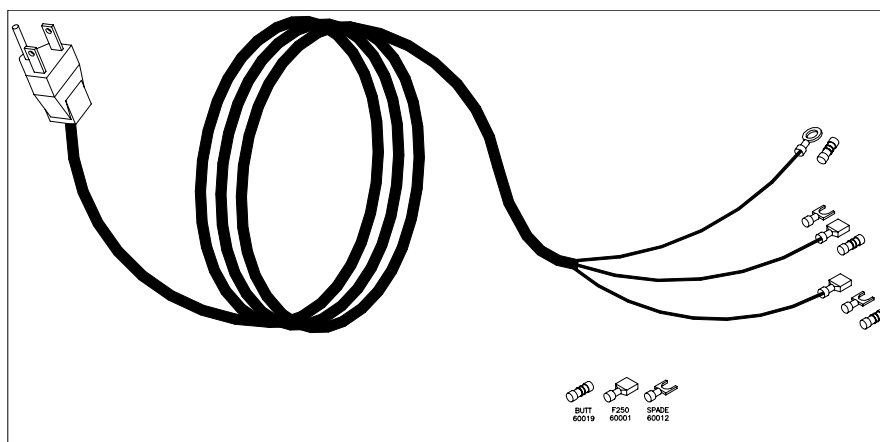
<u>Part #</u>	<u>Qty</u>	<u>Description</u>
101104	1	POWR CORD SET,14-3C,SJT,N.A.
80025	3	TIE WRAP, PLASTIC, 4"

Cord Assembly Chart

	26-CT	26D-8	26-M	26-E1	26-14	26C-8	42D10/25
Black Terminal End	same	same	60001	60001	60019	60010	same
White Terminal End	same	same	60012	60012	60019	60013	same
Green Terminal End	same	same	same	same	60019	same	same
DIMENSIONS							
Insulation Cut	none	none	4 ½"	1"	none	10"	none
A - White Cut	none	none	10"	none	none	none	none
B - Black Cut	none	none	2"	3 ½"	none	10"	none
C - Green Cut	none	none	none	none	none	none	none

Assembly Tools

Red Robertson Screwdriver
Adjustable (Crescent) Wrench
#2 Phillips Screwdriver
Wire Cutters
Electrical Terminal Crimping Pliers
Needle Nose Pliers



Assembly Instructions

1. Ensure that the correct parts are included in your replacement kit. A 26 model distiller uses 16 AWG cord, while a 42 model distiller uses 14 AWG cord. Please note that the power cord sent in the 26 model replacement kit is used as is on a 26-CT or 26D-8 distiller. Any other 26 model distiller will require some modifications to the power cord. The cord in the 42D replacement kit is used as is on all 42 model distillers.
2. Turn main power switch on distiller off and drain the boiler tank. CAUTION: DRAIN VALVE MAY BE VERY HOT. Unplug cord from wall plug and wait at least 1 hour for distiller to cool.
3. Using the Robertson and Phillips screwdrivers, remove the Distiller covers. This will require disconnecting the water feed line and removing the brass reducer fitting on 26-CT, 26D-8, 26C-8 and 26-14 models. ENSURE THE SADDLE VALVE IS CLOSED BEFORE DISCONNECTING WATER FEED LINE.
4. Using the wire cutters, cut the new power cord insulation the amount specified in the cord assembly chart, ensuring that you do not cut or remove any insulation from any power cord wires.
5. Cut any power cord wires that require cutting the amount specified in the cord assembly chart. Double check lengths against the old power cord before cutting! If the actual lengths of your old distiller cord vary from those given in the assembly chart, use the lengths of the old cord rather than the lengths given in the chart.
6. Using the wire strippers on the crimping pliers, remove about 3/8" of insulation from the end of each wire that needs a new connector.
7. Slide the appropriate terminal connector on the end of the wire. The wire should be inserted far enough so that the wire insulation is butted against the inside of the connector. Using the crimping pliers, squeeze the neck of the connector until it is firmly attached to the wire.
8. Remove the strain relief bushing by using the needle nose pliers to compress the bushing, and push the bushing back out the hole. Save the bushing as it will be reused on the new cord.
9. Using the needle nose pliers remove the old power cord wires, carefully noting where each wire was removed from and the routing of each wire. It may be useful to make a small diagram to remember each wire location. Use the crescent wrench to remove the nuts on the ground wire. Cut any wire ties on power cord wires. Remove the old power cord.
10. Push the end of the power cord through the hole in your distiller. Using the needle nose pliers, install the power cord wires to the locations where the old wires were removed from. If you forget the proper wire locations, refer to the electrical schematic in your manual. Ensure that none of the wires interfere with fan blade motion. Retie any wire ties that were cut earlier.
11. Install the strain relief bushing by pressing it into the distiller hole. Replace the distiller covers, and replace the brass reducer and feed line if they were removed.

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.