PLATO®

TECHSPRAY

SOLDER POT

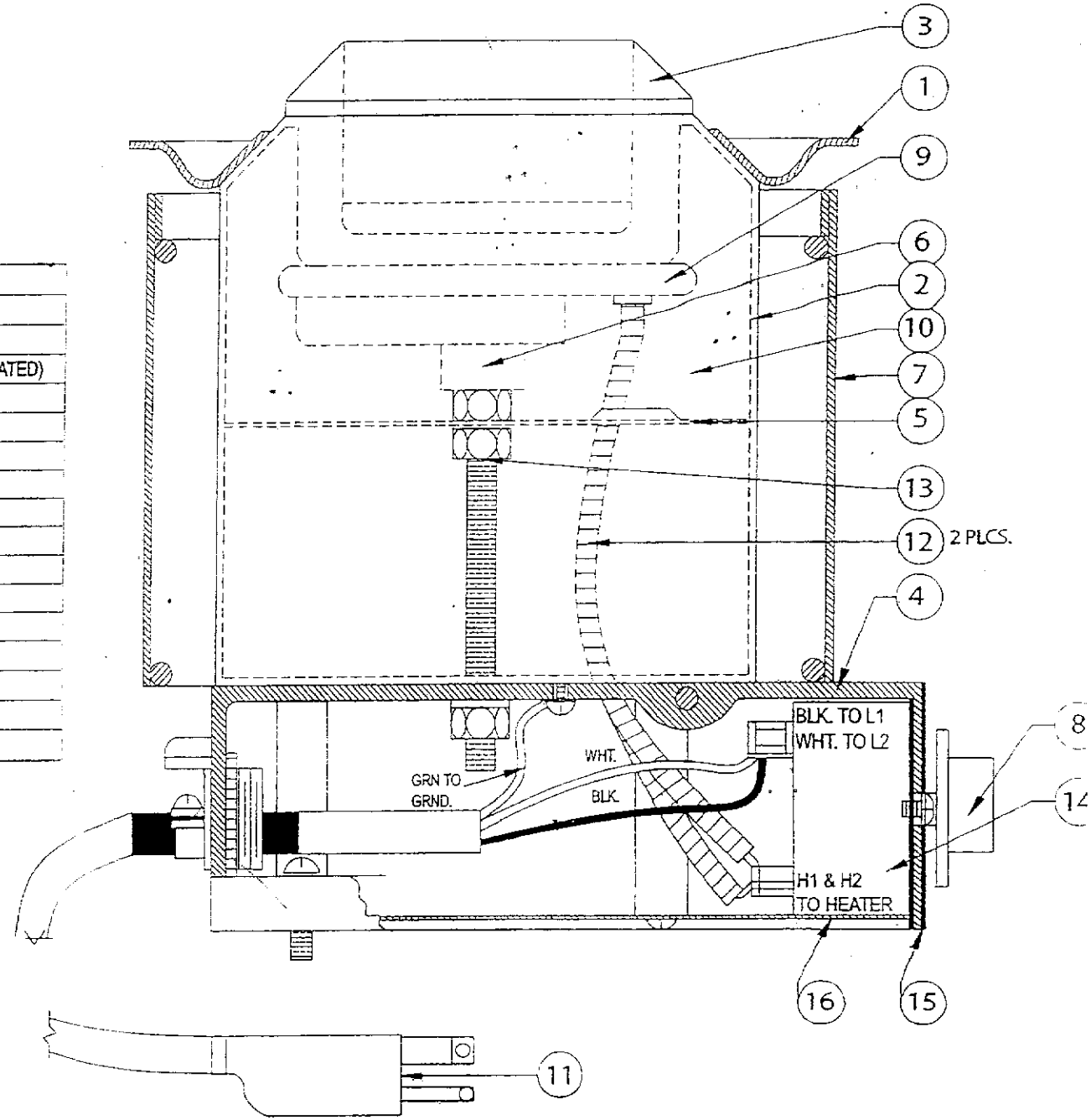
MODELS: SP-301, SP-301P

120 VAC - 500 WATTS

REPLACEMENT PARTS LIST

ITEM NO.	PART NUMBER	DESCRIPTION
1	SP-1101	DROSS TRAY
2	SP-1182	BODY ASSEMBLY
3	SP-1103/SP-1103P	CRUCIBLE/CRUCIBLE (PORCELAIN COATED)
4	SP-1183	BASE ASSEMBLY
5	SP-1176	CENTER BAFFLE ASSEMBLY
6	SP-1109	ELEMENT WASHER
7	SP-1181	OUTER SHEILD
8	SP-1170	KNOB
9	SP-1140	HEATING ELEMENT
10	SP-1129	INSULATION
11	SP-1153	CORD & STRAIN RELIEF
12	SP-1154	WIRE ASSEMBLY
13	SP-1009	STUD/NUT/WASHERS
14	SP-1155	TEMPERATURE CONTROL
15	SP-1159	DIAL PLATE
16	SP-1184	BOTTOM COVER

APPROX. 2 Lb. (1 Kg) SOLDER CAPACITY



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ZPM-340-

DIRECTIONS FOR PROPER USE OF PLATO SOLDER POTS

MODELS SP-101/101P, SP-201/201P, SP-301/301P, SP-401/401P

WARNING: Always wear suitable protective clothing, gloves, and eye protection when working at or near a solder pot.

BEFORE TURNING SOLDER POT ON:

1) Adjust the leveling screws so pot sits level on work surface. For safety, anchoring the solder pot to the work surface is recommended to avoid spilling of molten solder.

2) If work surface is heat sensitive, use insulation or sand tray under the solder pot.

3) Provide adequate ventilation or an exhaust hood over the solder pot.

4) Do not operate the solder pot without solder in the crucible. Keep crucible full.

Plato 240 VAC solder pots, MODELS SP-201/201P, SP-401/401P, SP-150T/150TP, SP-750T/750TP, are shipped without an electrical plug. The following is the color code used on the wires to the plug. Use this for proper connection to a 240 VAC electrical plug.

BLUE:	**NEUTRAL**
BROWN:	**240 VAC**
GREEN WITH YELLOW STRIPE:	**EARTH GROUND**

INITIAL START:

1) Plug solder pot into proper voltage outlet. Do not use the solder pot above rated voltage.

2) Turn the control dial to HI. Melt solder into the cast iron crucible until full. Do not use flux core solder.

3) Adjust the control dial setting to mid-range for normal operating temperatures.

GENERAL OPERATING INSTRUCTIONS:

CAUTION: "Outgassing" or solder splash may occur when remelting a full solder pot. To prevent solder splash, it is recommended that a suitable cover be placed over the crucible during solder remelt.

The solder pot has a four-position control dial (OFF, HIGH HEAT UP, ON-LOW, and NORMAL OPERATING RANGE The HI HEAT UP position will continuously energize the heating element. Use this position when first warming up th pot. After 15 to 20 minutes, you should reduce the control setting by turning the dial to the NORMAL OPERATIN(RANGE. As the dial is turned clockwise from the HI HEAT UP position, the temperature will decrease. Temperature are infinitely adjustable over this range.

If the dial is set on the ON-LOW position, the pot will not produce sufficient heat to keep the solder molten. To d so, the dial must remain in the NORMAL OPERATING RANGE. If the molten solder temperature is reduced due t constant heavy usage, adjust the control dial counter-clockwise to increase the temperature.

If a precise solder temperature is required, the correct dial setting can be determined by trial as follows: Allow th solder temperature to stabilize at the control dial setting in the middle of the normal operating range. Measure th molten solder temperature. (Accurate measurement of solder temperature may be accomplished with a pyromete or temperature recording device.) Adjust the control dial as required until the desired setting is achieved. Note th control setting for future reference.

For future use, merely adjust the control dial setting to the HI position until the desired temperature is approache Then reduce the control dial setting to the previously noted position for your temperature requirement.

When solder becomes contaminated, it should be replaced.

For maximum heater life, operate the solder pot in the lowest temperature setting that will accommodate the wor Leaving the heating element in the HI position will substantially decrease heater life. For maximum pot life, turn th pot off when not in use.