

ILL

LIST

The Spaghetti Magic®

Frymaster®



Frymaster

8700 Line Avenue

P. O. Box 51000

(318) 865-1711 TELEX 6822010

PRINTED IN U.S.A.

SERVICE HOT LINE
1-800-551-8633

819-5009 Revised 11/85



DO NOT OPERATE KETTLE DRY
(PREVENTATIVE MAINTENANCE)

CLEAN KETTLES DAILY.

CLEAN HEATING ELEMENT DAILY.

PROPER CLEANING OF ELEMENT IS
REQUIRED—TO KEEP THEM CLEAN AND
FREE OF ACCUMULATED STARCH. A
BUILD UP OF STARCH ON THE ELEMENT
WILL SHORTEN THE ELEMENT LIFE AND
CAUSE A MALFUNCTION OF THE UNIT.

FOR CLEANING USE A SCOTCHBRITE
PAD OR MEDIUM GRIT SANDPAPER ON
THE ELEMENTS. TAKE EXTREME CARE
ON LEFT SIDE OF ELEMENT NOT TO
DAMAGE HIGH LIMIT BULB. RINSE KET-
TLE THOROUGHLY BEFORE COOKING.

HOW TO ORDER PARTS

Dealers, customers and independent service agencies should order all parts from the Authorized U.S. Parts and Service Agency in their area. When ordering parts, be sure to include the following: an accurate description of the part, the model and serial number of the unit, the type of gas being used or the voltage, phase and total kw. In Canada—Garland Commercial Ranges, Ltd., 1177 Kamato, Mississauga, Ontario.

I. GETTING

Upon arrival
 delivery
 receipt of
 freight

age to the
 15 days of
 note on the

Remove
 before
 manner

is installed
 in such a

II. PROPER

IN

ANY AL

FOR ELECTRICAL CONNECTIONS — remove the front control panel, open the door and remove the lower control box access panel cover. Attach a flexible metal conduit to the bottom side of the control box. Connect 40 AMP service for 208 volt, or 30 AMP service for 240 volt, to the line wiring of the machine. Incoming field wire size **MUST** be No. 8 AWG with No. 8 AWG ground.

Remount the control panel and access panel. **MAKE CERTAIN THE DISCONNECT PLUGS ARE FIRMLY CONNECTED.**

MODEL—ALL

LIQUID CAPACITY (WATER) GAL. 8.5

WIRING REQUIREMENTS

MODEL	VOLTAGE	PHASE	WIRE SERVICE	AMPS PER LINE
All	208	1	2	40
All	240	1	2	30
Input—	6KW			

PLUMBING REQUIREMENTS

THE 6C, 6BC, and 6SMS SPAGHETTI MAGIC UNITS MUST BE INSTALLED IN ACCORDANCE WITH ALL LOCAL PLUMBING CODES.

III. OPERATING

CAUTION: Do not touch the kettle with the power switch (marked "ON") when the heating element is energized. The "SIMMER, BOIL" switch is factory set at the

and fill the kettle with water. Turn the power switch to the "ON" position. The temperature, indicated on the dial, will be raised and the "SIMMER, BOIL" switch switched to the "SIMMER" position. The kettle will be reset at the

OPERATION

To operate the kettle, turn the power switch to the "ON" position. The basket will be lowered into the water and, at the end of the preset timing cycle, will be automatically raised to the "UP" position. The temperature on the dial will be raised and the "SIMMER, BOIL" switch switched to the "SIMMER" position. The kettle will be reset at the

IV. HOW TO CHECK CALIBRATION

1. Place a good grade mercury thermometer in the center of the pot approximately 3" below the water line. Place the "SIMMER, BOIL" switch in the simmer position.
2. Allow enough time for the temperature to stabilize.
3. The temperature reading should be approximately 205° F., but not greater than 208°. Temperature may vary with altitude.
4. To recalibrate, remove the chrome plug from access panel and turn the adjusting shaft clockwise with a screwdriver to reduce the temperature and counterclockwise to increase the temperature.

CAUTION: DO NOT TURN ADJUSTING SHAFT MORE THAN TWO TURNS IN ANY DIRECTION.

V. NORMAL SERVICE REQUIRED

Servicing of this equipment should be performed only by a qualified serviceman.

CAUTION: High voltage. Extreme care must be taken when servicing this equipment.

A piece of service			will require
The following information will be beneficial to the technician performing the manual			occur with the following information feel would be beneficial subsequent
PROBLEM			/E ACTION E MAN
1. Thermos does not call for heat and will not close	<ul style="list-style-type: none"> c. Thermostat defective d. Power switch "OFF" e. Defective Contactor 	<ul style="list-style-type: none"> c. None d. Turn "ON" e. None 	<ul style="list-style-type: none"> ate ires or hermostat as necessary c. Replace and recalibrate d. Same e. Replace
2. Thermostat does not control at set point	<ul style="list-style-type: none"> a. Out of calibration b. Defective thermostat 	<ul style="list-style-type: none"> a. None b. None 	<ul style="list-style-type: none"> a. Recalibrate b. Replace and recalibrate
3. Water boils constantly	<ul style="list-style-type: none"> a. Thermostat set too high b. Capacitor shorted out c. Defective contactor d. Defective boil simmer switch 	<ul style="list-style-type: none"> a. None b. None c. None d. None 	<ul style="list-style-type: none"> a. Recalibrate b. Replace c. Replace d. Replace
4. Timer does not operate	<ul style="list-style-type: none"> a. Circuit breaker tripped b. Loose or broken wire c. Timer knob loose d. Defective timer 	<ul style="list-style-type: none"> a. Reset b. None c. Tighten d. None 	<ul style="list-style-type: none"> a. Same b. Repair or replace as necessary c. Same d. Replace
5. Basket lift travels continuously	<ul style="list-style-type: none"> a. Micro switch out of adjustment b. Micro switch defective c. Bell crank loose on shaft d. Gearmotor loose on mounting plate e. Defective gearmotor 	<ul style="list-style-type: none"> a. None b. None c. None d. None e. None 	<ul style="list-style-type: none"> a. Adjust roller arm on switch b. Same c. Tighten d. Tighten e. Replace
6. Water will not boil	<ul style="list-style-type: none"> a. Blown fuse(s) b. Defective on/off switch c. Open Hi-limit d. Defective boil-simmer switch e. Defective contactor(s) f. Defective element 	<ul style="list-style-type: none"> a. Replace b. None c. Reset d. None e. None f. None 	<ul style="list-style-type: none"> a. Same b. Replace c. Reset or replace d. Replace e. Replace f. Replace

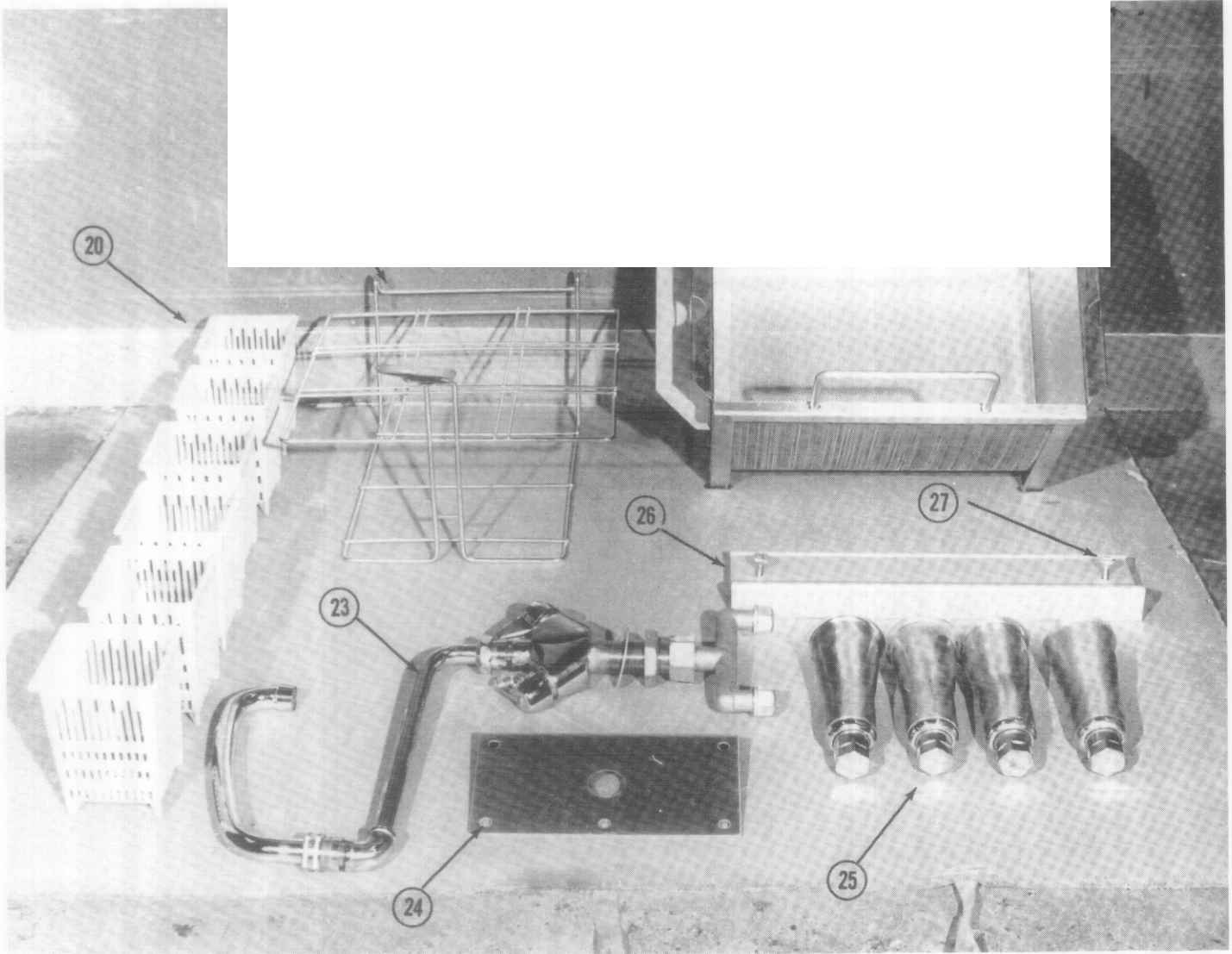
CAUTION: DISCONNECT OR SHUT OFF ELECTRICAL POWER BEFORE ATTEMPTING TO SERVICE THE UNIT



KEY NO.

8		
9		
*		
*		
*		
*		
*		
*		
*		
*	800-0017	Control panel only 6S
10	806-1332	Control panel only 6SMS
*	806-1266	Control panel only 6BC
*	806-1318	Control panel only 6C
*	910-6196	Control panel only ST
*	806-1961	Door assembly enameled
11	806-1962	Door assembly S/S
*	910-3672	Door Handle (New) Located at top of door
*	900-0734	Hinge (New)
*	809-0361	Screw for door hinge and door handle
12	820-0005	Insignia Frymaster
13	810-0180	Door pull (Old) located at side of door
*	809-0103	Screw for door pull
14	807-0044	Boil Simmer Switch
15	807-0044	On/Off Power Switch
*	807-0105	Timer 0-5 minute Paragon 208/240V
*	820-0027	Knob 0-5 minute Paragon
*	807-0106	Timer 0-15 minute Paragon 208/240V
16	820-0025	Knob 0-15 minute Paragon
17	814-0033	Push button, timer knob (Paragon)

*NOT SHOWN



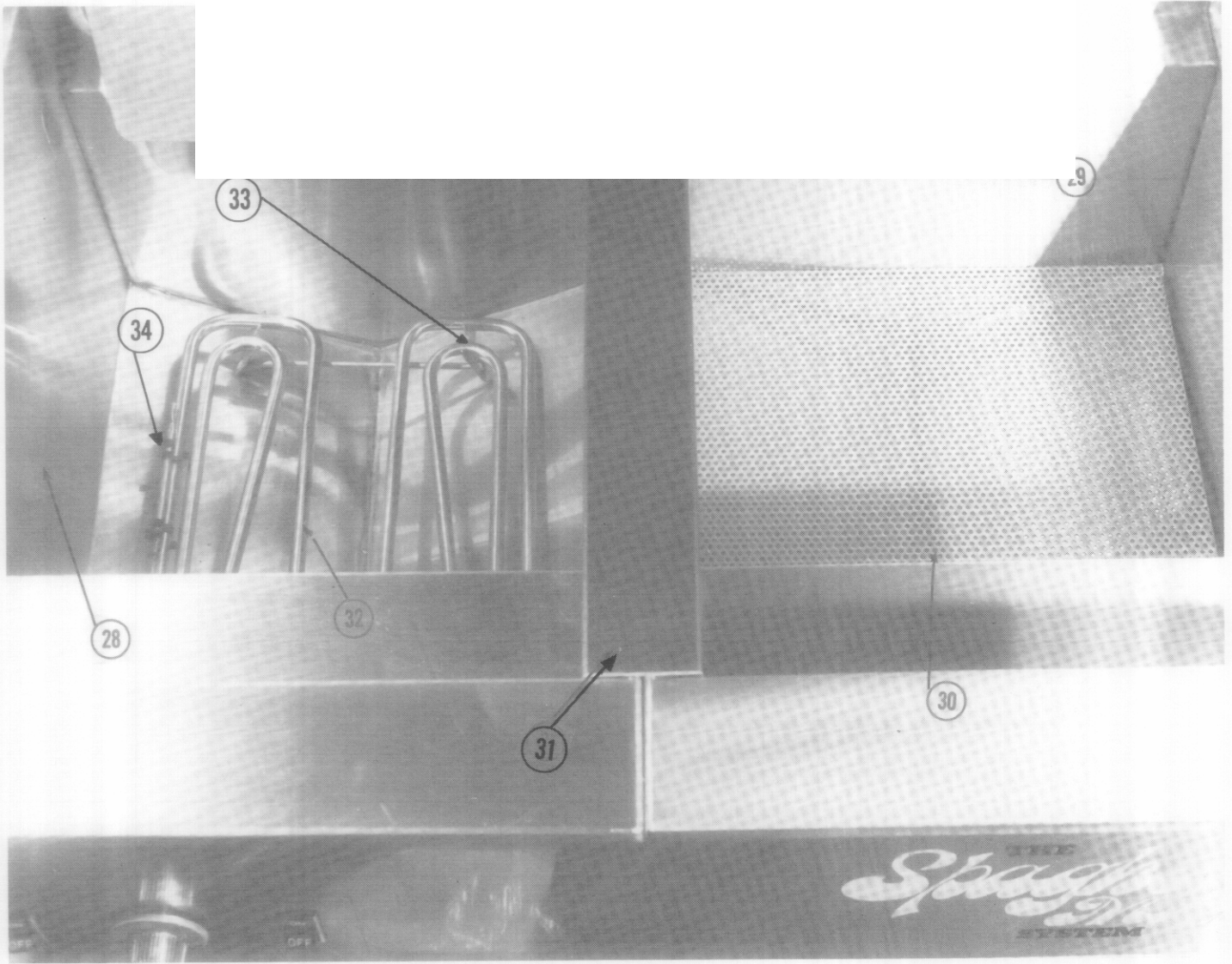
—
—
SAL
SAL

27

809-0171

Basket hanger screw

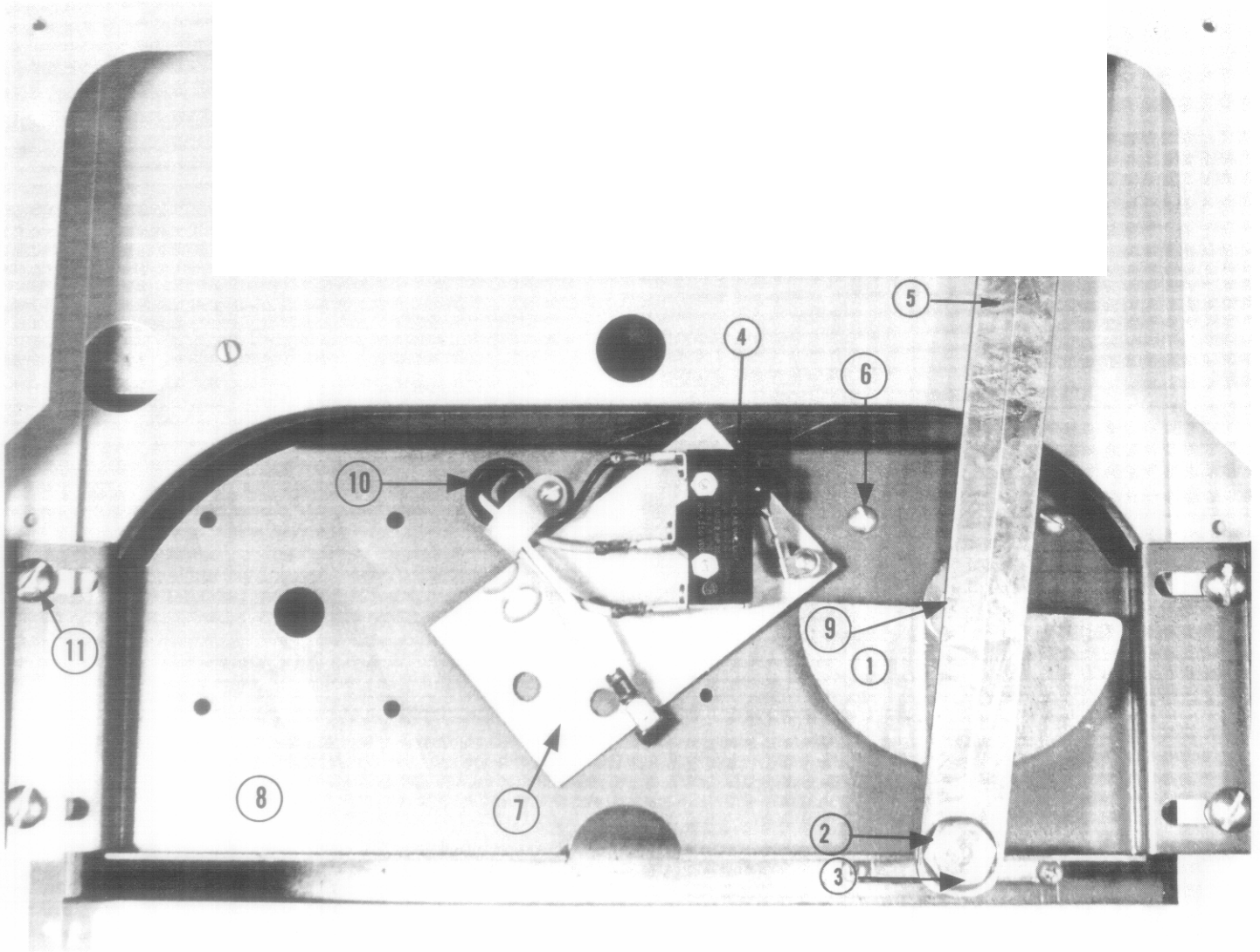
*NOT SHOWN



DN

*	809-0348	Brass nut for heating element
33	823-0439	Heating element support bracket
34	809-0044	Clamp for hi limit temperature bulb

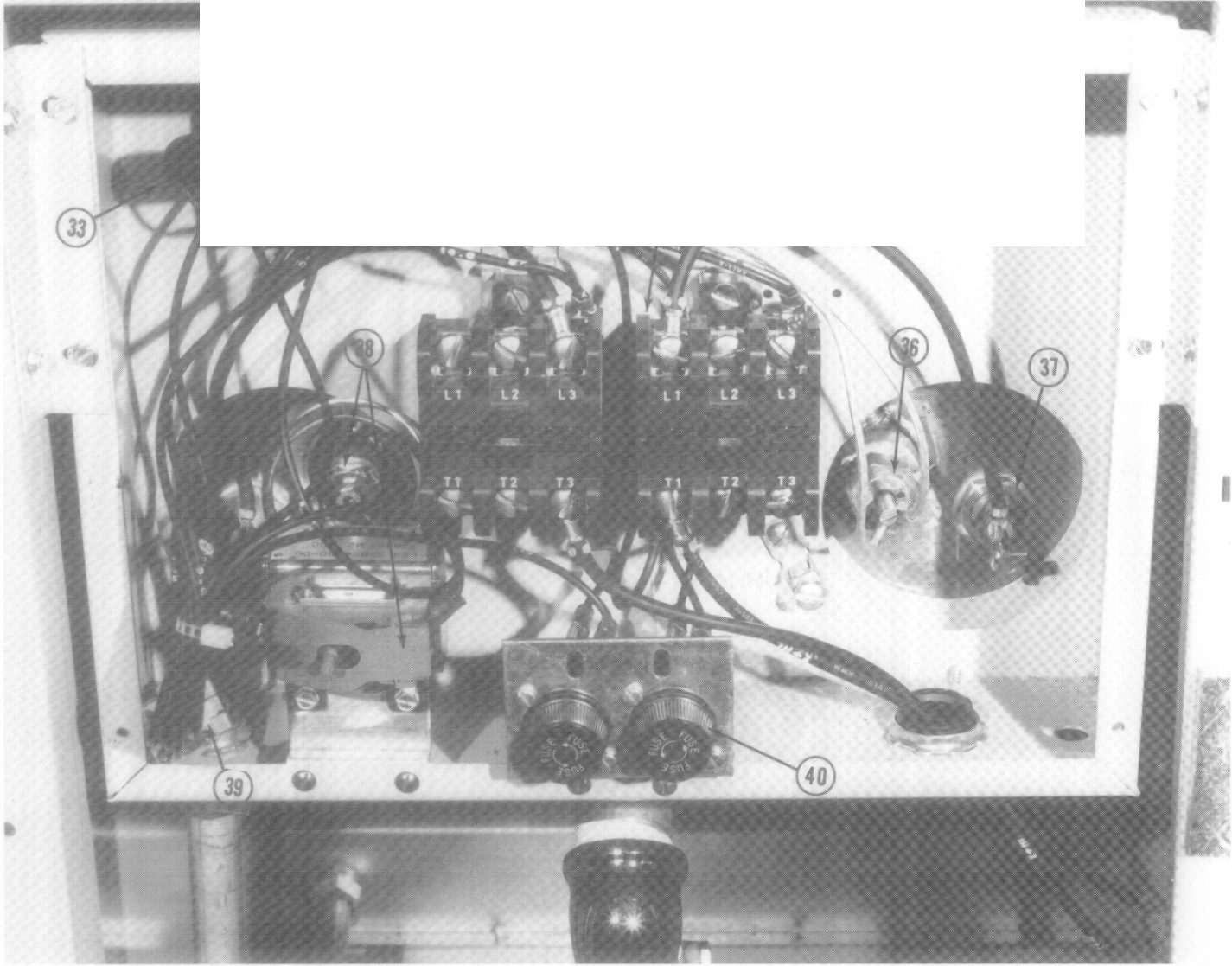
*NOT SHOWN



KEY

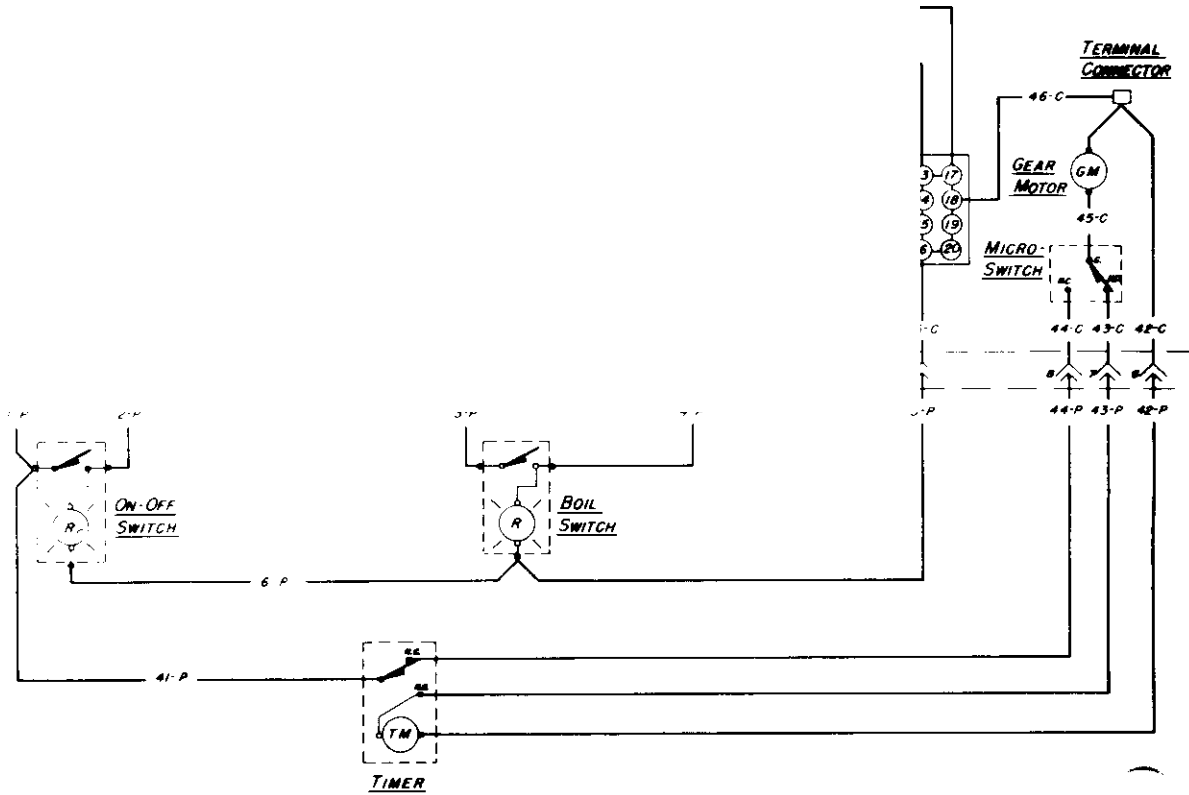
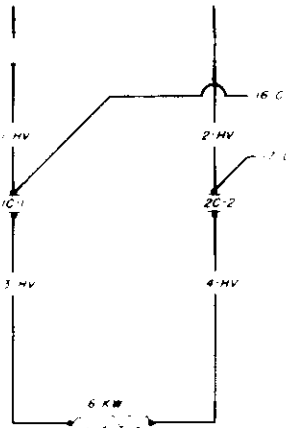
1		
2		
3		
*		
4		
*	806-0934	Gearmotor
*	813-0035	Bronze bushing for basket lift rod
*	810-0192	Basket lift rod
5	920-3190	Basket lift link
6	809-0196	Motor mount screw
*	809-0050	Motor mount nut
7	812-0138	Insulator paper
8	920-3095	Motor mount bracket
9	809-0063	Bell crank jam nut
10	807-0124	Wire insulator bushing
*	910-3177	Motor access cover SS
*	900-3177	Motor access cover painted
11	809-0127	Motor bracket mount screw

*NOT SHOWN



38	809-0044	Hi-limit thermostat 250°F
*	809-0044	Clamp for hi-limit temperature bulb
39	807-0155	Quick connect plug
*	807-0156	Quick connect cap
*	810-0241	Drain valve
40	807-0922	Fuse holder
*	807-0921	Fuse SC3

*NOT SHOWN



PLAN WIRING DIAGRAM FOR 6C
208 OR 240V, 60 HZ, 1Ø, 2 WIRE SERVICE

