

Statement of Responsibilities

This document is for use by experienced and trained Qualified Cleveland Range, LLC Authorized Service Representatives who are familiar with both the safety procedures, and equipment they service.

Cleveland Range, LLC assumes no liability for any death, injury, equipment damage, or property damage resulting from use of, improper use of, or failure to use the information contained in this document.

Cleveland Range, LLC has made every effort to provide accurate information in this document, but cannot guarantee that this document does not contain unintentional errors and omissions.

The information in this document may be subject to technical and technological changes, revisions, or updates.

Cleveland Range, LLC assumes no liability or responsibility regarding errata, changes, revisions, or updates.

Qualified Cleveland Range, LLC Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, OSHA regulations, and disconnect / lock out / tag out procedures for all utilities including steam, and disconnect / lock out / tag out procedures for gas, electric, and steam powered equipment and / or appliances

All utilities (gas, electric, water and steam) should be turned OFF to the equipment and locked out of operation according to OSHA approved practices during any servicing of Cleveland Range equipment

Qualified Cleveland Range, LLC Authorized Service Representatives are obligated to maintain up-to-date knowledge, skills, materials and equipment.

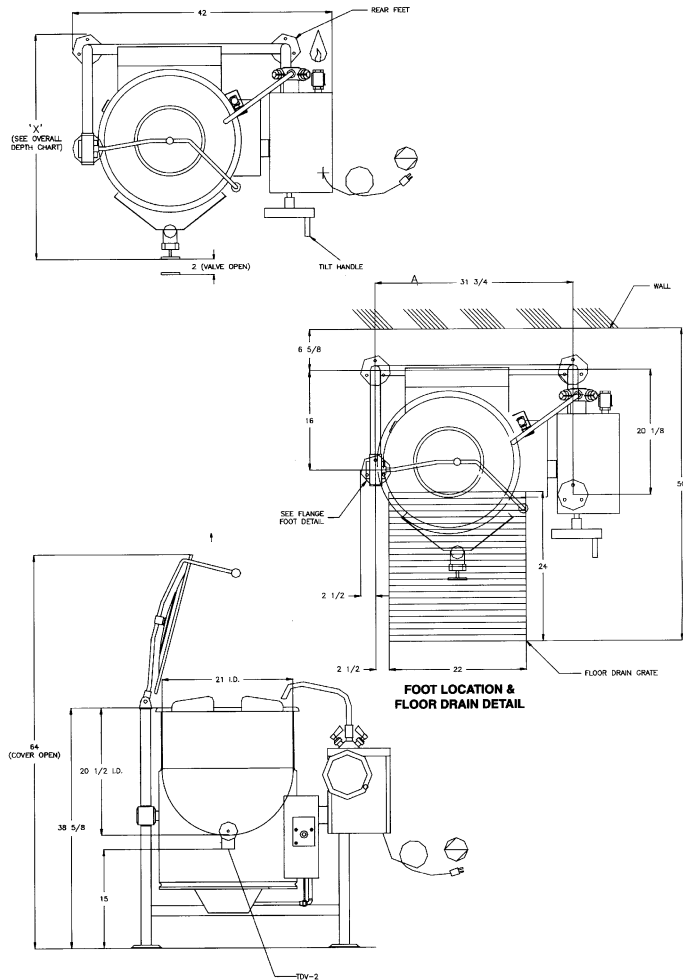


Steam Jacketed Kettles

GAS-FIRED TILTING, LEG-TYPE

2/3 STEAM JACKETED
25 GALLONS (100 LITERS)

KGL-25-T INSTALLATION REQUIREMENTS



UNIT SHOWN WITH OPTIONAL TDV-2, SPRING ASSIST COVER AND DOUBLE PANTRY FAUCET.

NOTES

1. MANUFACTURER MUST BE NOTIFIED IF UNIT WILL BE OPERATING ABOVE 2,000 FOOT ALTITUDE.
2. CONSULT FACTORY FOR MANUFACTURED GAS.
3. ALL VERTICAL DIMENSIONS SHOWN ARE MINIMUM. FEET ARE ADJUSTABLE TO 1 INCH MAXIMUM.
4. UNIT COMES WITH 6' POWER CORD.

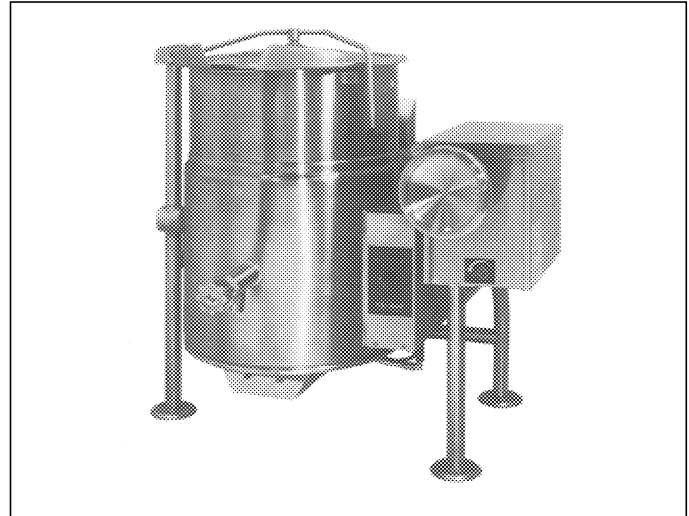
SPECIFICATIONS

MODEL	ELECTRICAL SUPPLY:				GAS SUPPLY:				PIPING 3/4 NPT				APPROVALS				CLEARANCE:	SHIPPING WEIGHT
	VOLTS	PHASE	AMPS	FREQ	TYPE	BTU RATING	WATER COLUMN	BTU PER CU. FT.	SUPPLY PRESSURE	AGA	CGA	CE MARK	NSF	RIGHT: 0 inches	LEFT: 0 inches	REAR: 4 inches		
KGL-25-T	120	1	5	60	NAT	90,000	4.2	1000	4" TO 14" W.C.	✓	✓	✓	✓	ALLOW 12" SPACE MINIMUM ON RIGHT SIDE FOR SERVICE	320 LBS.			
	120	1	5	60	LP	90,000	10	2500	4" TO 14" W.C.	✓	✓	✓	✓					
	220	1	3	60	NAT	90,000	4.2	1000	4" TO 14" W.C.									
	220	1	3	60	LP	90,000	10	2500	4" TO 14" W.C.									

MODELS: KGL-25-T

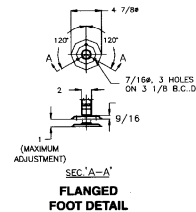
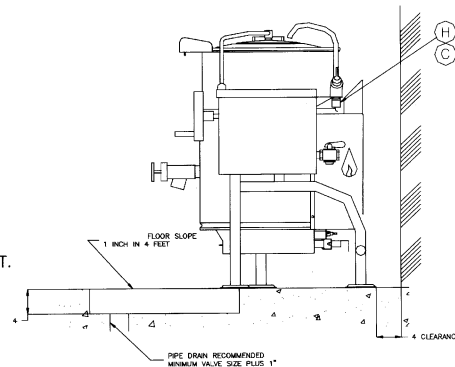
ITEM NUMBER _____

JOB NAME / NUMBER _____



SHORT FORM SPECIFICATION

Shall be CLEVELAND, Gas-Kettle, self-contained, tilting, Model KGL-25-T; 25 gallons, natural or LP gas, 2/3 Steam Jacketed, Type 304 Stainless Steel and supports. Jacket rated at 50psi with Safety Valve. Complete with "Splash-Proof" Solid-State Water Level, Temperature, and Safety Low Water Power Cut-Off, including L.E.D. Indicators for Heat Cycle and Low Water Warning.



Cleveland Range reserves right of design improvement or modification, as warranted.

Cleveland Range, LLC

Ph: 1-216-481-4900 Fx: 1-216-481-3782

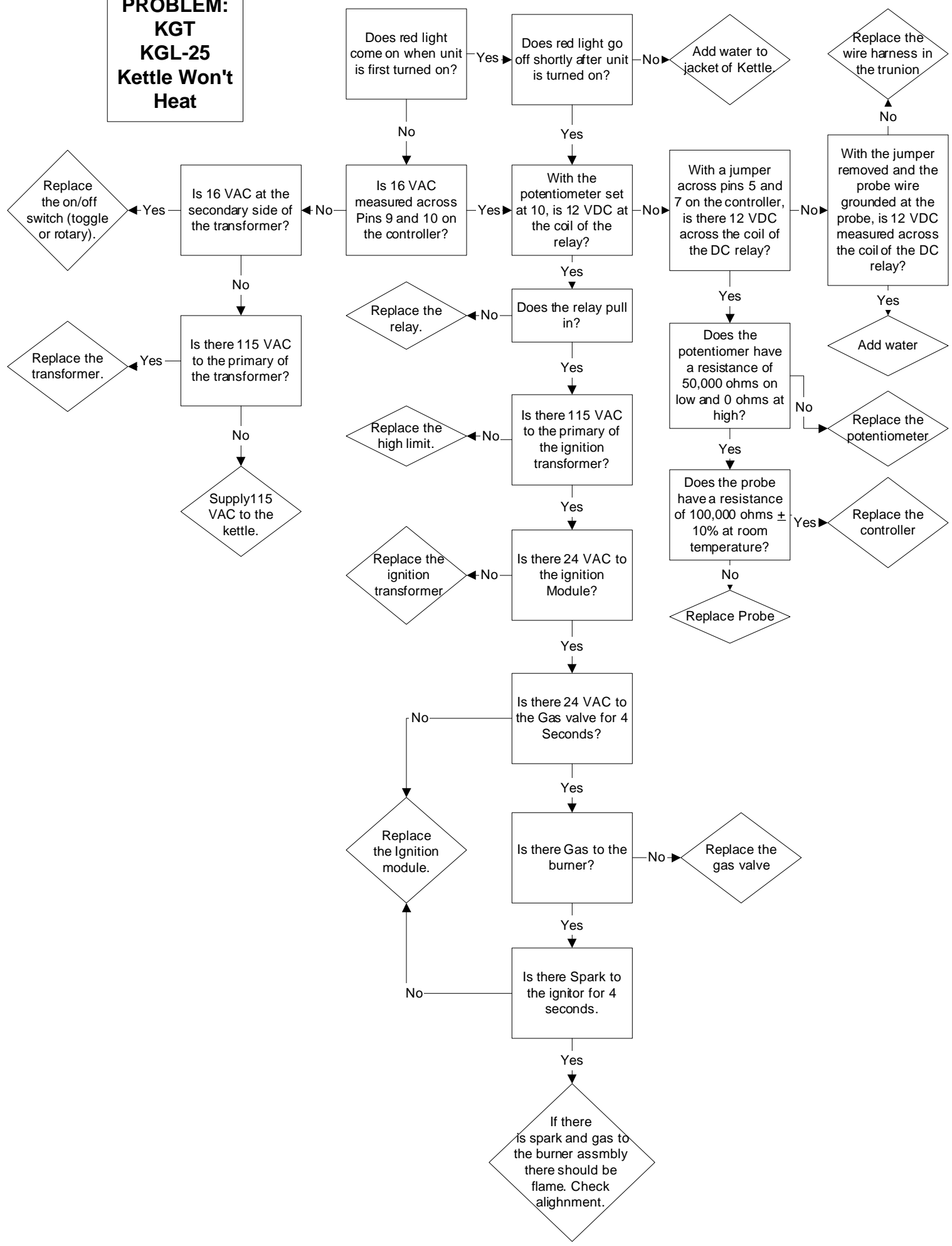
1333 East 179th St., Cleveland, Ohio, U.S.A. 44110

Visit our Web Site at www.clevelandrange.com

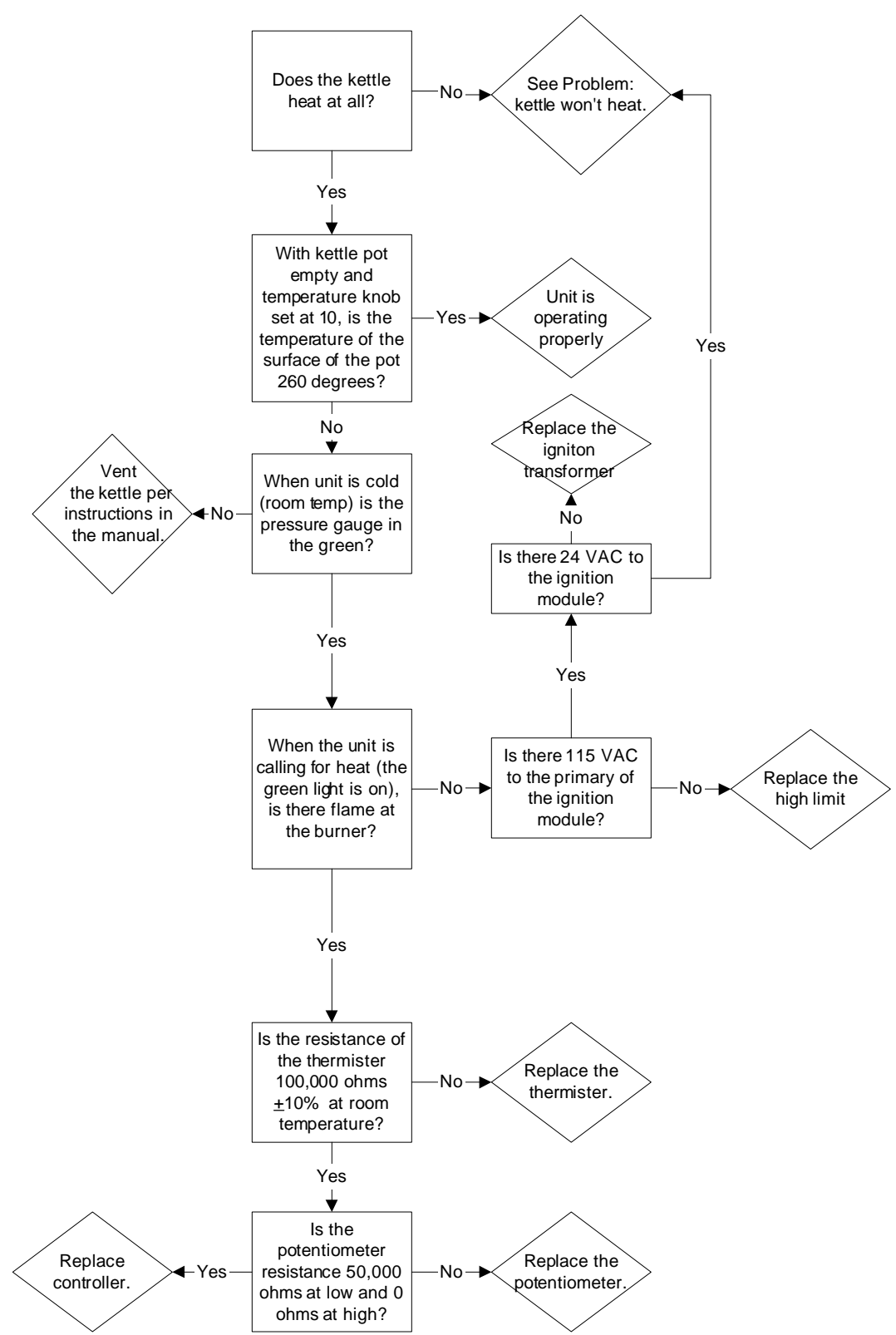
CLEVELAND RANGE KGL-25 SEQUENCE OF OPERATIONS

1. To turn the unit on, turn the switch to the on position.
 - Power is sent to primary side of the 120vac/16vac transformer.
 - Power is sent to the normally closed high limit.
 - From the high limit power is sent to the normally open contacts of the 12VDC relay.
2. From the secondary of the transformer 16VAC is sent to the controller.
 - Power is sent to the red LED (low water indicator light) from terminal 4 of the controller.
 - If the water probe is grounded through water the LED will go off.
 - If the water probe is not grounded the LED will remain on and the unit will not heat.
 - If the resistance of the thermistor is higher than the setting of the potentiometer(the unit is calling for heat) then 16VDC is sent to the coil of the relay and the green LED (heat indicator light)
 - The 12VDC relay will close until the unit reaches temperature
3. With the contacts of the relay closed, power is sent to the 24 VAC transformer.
 - The transformer sends 24 VAC to the ignition module.
 - Ignition module sends 24 VAC to the Amber LED
 - The ignition module will send spark to the igniter and 24 VAC to the gas valve.
 - With 24VAC to the gas valve the valve opens and gas is sent to the burner.
 - Spark and gas together cause ignition.
 - When this happens and the module reads at least 0.7 micro amps DC within 4 seconds, the Amber light will go out and the 24 VAC will remain on the gas valve.
 - The unit will heat causing the water to boil and steam to be generated.
 - If the module does not see the 0.7 micro-amps in 4 seconds, the module will try again in 15 seconds. It will try 3 times then lock out.
4. The kettle will heat (build pressure) until the controller is satisfied by the thermistor at the setting of the potentiometer.
 - The controller will then turn off the heat circuit until the temperature of the kettle is below the setting.
 - When the temperature drops below the setting the controller will send 12 VDC to the relay and the heat circuit will be energized again.
5. To turn the unit off, place the switch in the off position.
 - Power will be removed from the controller and the heat circuit will de-energize.

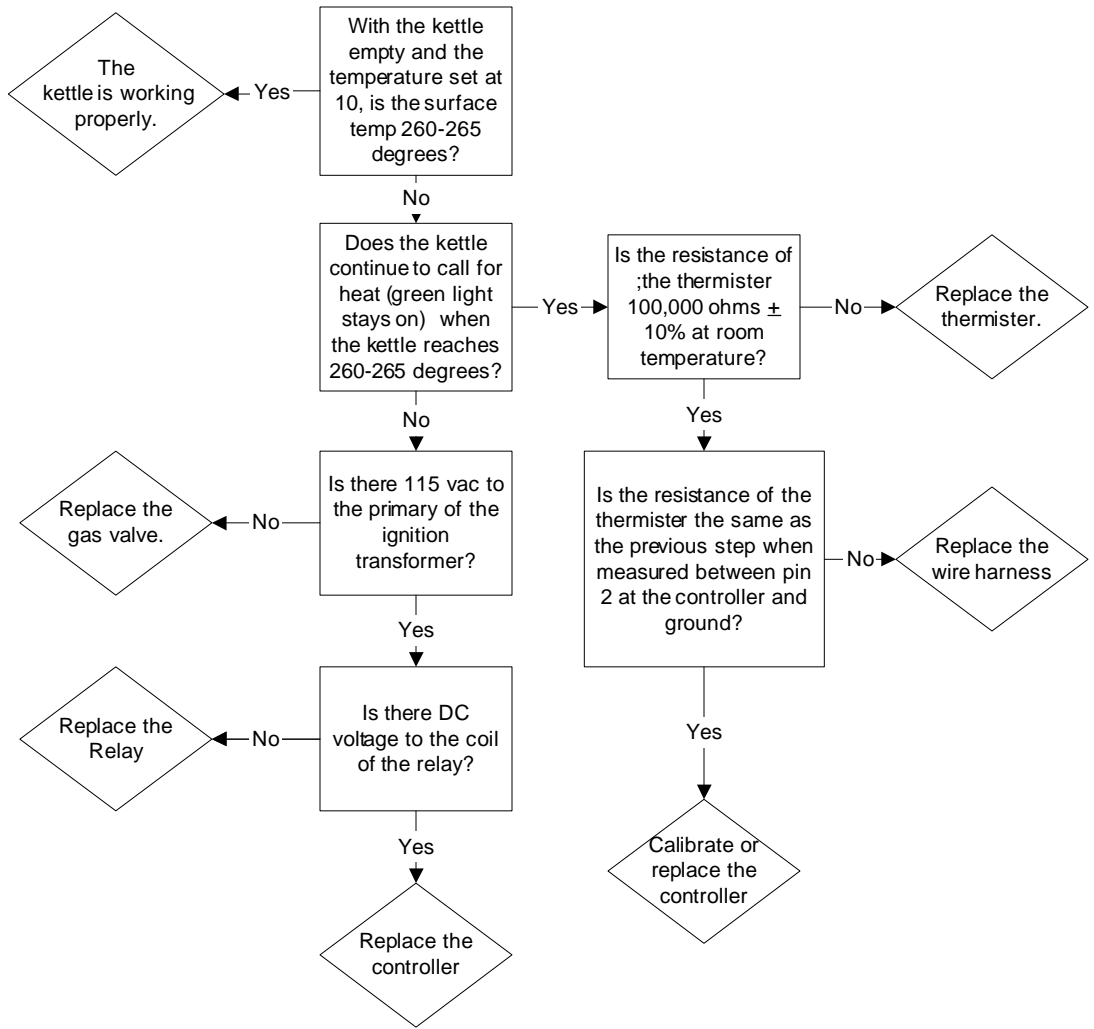
**PROBLEM:
KGT
KGL-25
Kettle Won't
Heat**



**PROBLEM:
KGT
KGL-25
Kettle Not
Hot Enough**



**PROBLEM:
KGT
KGL-25
Kettle Gets
Too Hot**



PROBLEM: Red Add Water LED Stays On

