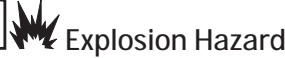


⚠ WARNING

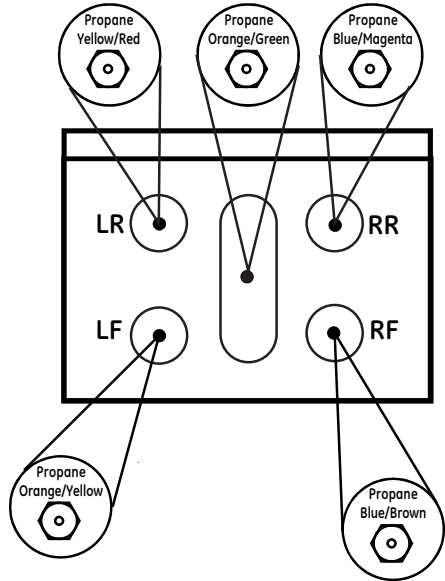


Explosion Hazard

Death or serious injury can result from failure to follow these instructions.

- Service by a qualified service technician only.
- Shut off gas supply and disconnect power before servicing.
- Reconnect all grounding devices after service.
- Replace all parts and panels before operating.

CONVERSION TO PROPANE GAS



To prevent leakage, make sure the orifices are securely screwed into the gas supply tubes.

BURNER OUTPUT RATINGS: BTU/HR				
Propane Gas 10" W.C.P.				
BURNER	BTU RATE	ORIFICE SIZE (mm)	COLOR	MARKING
RF	9,500	0.035" (0.89)	Blue/Brown	89L
LF	15,000	0.045" (1.14)	Orange/Yellow	114L
RR	12,000	0.039" (0.99)	Blue/Magenta	99L
LR	5,000	0.026" (0.66)	Red/Yellow	66L
C	8,000	0.034" (0.86)	Orange/Green	86L
OVEN	16,000	0.048" (1.21)	Pink	.048



95 Denotes 0.95mm Orifice size opening
Denotes Propane Gas

BURNER OUTPUT RATINGS: BTU/HR				
NG (Natural) Gas 5" W.C.P.				
BURNER	BTU RATE	ORIFICE SIZE (mm)	COLOR	MARKINGS
RF	9,500	0.053" (1.36)	Green	136N
LF	15,000	0.070" (1.78)	Brown	178N
RR	12,000	0.061" (1.55)	Red	155N
LR	5,000	0.040" (1.01)	White/Purple	101N
C	10,000	0.055" (1.40)	Yellow	140N
OVEN	18,000	0.076" (1.93)	None	.076



198 Denotes 1.98 mm Orifice size opening
Denotes Natural Gas

SPILL-PROOF SEALED BURNER

Brackets are mounted to the under side of the cooktop by T-15 Torx screws.

The screw heads are located under burner head (**these screws must be removed before lifting the cooktop**). Screws and bracket ensure proper alignment for gas to be injected into the burner head. It is critical that brackets are aligned correctly and screws fully torqued down during final assembly.

REPLACING ORIFICE HOLDER AND TUBING

The Orifice Holder and Supply Tubing are one assembly.

To replace the assembly:

- Follow the instructions under *To Remove the Cooktop*.
- Remove the 5/8" nut securing the orifice holder being replaced to the bracket. Use a 5/8" open ended or adjustable wrench to loosen the nut.
- Loosen the 1/2" nut securing the tubing to the valve.

TO REMOVE COOKTOP

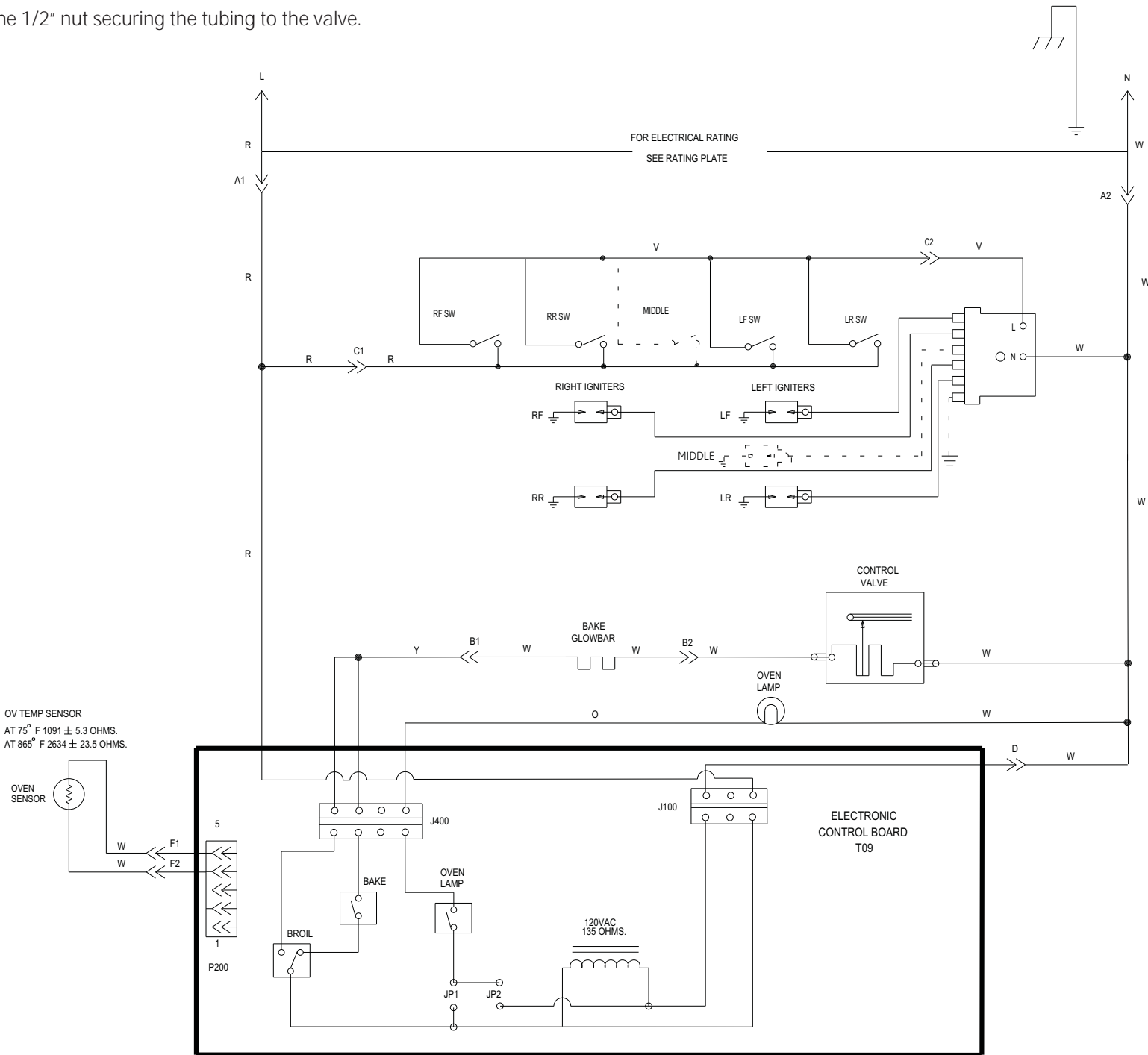
- Remove grates, burner caps, and heads.
 - Remove T-15 torxs screws - 3 under each burner head.
 - Disconnect electrode leads.
 - Disengage 2 front clips using a flat blade screw driver located between cooktop and manifold approximately 2-1/2" from each side.
 - Lift top up at front.
 - Shift top left or right to disengage hinge pins at the rear.
- IMPORTANT:** Before lowering the top onto the front clips, line up the burner bracket with the cooktop to replace screws.

NOTE: When reinstalling top, position top to be the equivalent of 1/2 way lowered before attempting to insert the top hinge pins into the corresponding slots on the backguard.

SCHEMATIC DIAGRAM



Power must be disconnected before servicing this appliance.



COLOR	SYMBOL	COLOR
RED	R	ROJO
WHITE	W	BLANCO
ORANGE	O	NARANJA
GREEN	G	VERDE
YELLOW	Y	AMARILLO
VIOLET	V	VIOLETA
BLUE	N	AZUL
GRAY	S	GRIS

NOTES:
--- THIS CIRCUIT NOT IN ALL MODELS.

OVEN TEMPERATURE CALIBRATION

- The bake temperature can be adjusted from its factory calibration (+ or -) 35°F in 1° increments.
1. Press and hold both the ***BAKE*** and ***BROIL*** pads for about 2 seconds until the display shows ***SF***.
 2. Press the ***BAKE*** pad. The current offset setting is in the display.
 3. Enter the desired temperature offset using the number pads.
 4. Use the ***BAKE*** pad to toggle between +/-.
 5. Press ***START*** key. The display will return to ***Time*** or ***Day Clock***.

BAKE BURNER REMOVAL

- Remove oven door and drawer.
- Remove the screws on the oven floor at the back of the oven cavity and remove oven floor/deflector.
- Remove 1/4" hex head screws from the bracket holding the burner to the back wall of the range.
- Remove the screw at the front of the burner.
- Disconnect the Igniter wires.
- Remove the Bake Burner.

BACKGUARD DISASSEMBLY

- Remove screws located on the back of the backguard. (There is a set of screws on each side.)
- Remove the torx screw on the front inside corner of backguard (1 on each side).
- Gently lift backguard off.
- Be sure to reassemble rear cover and backguard per original assembly.

OVEN BURNER IGNITION SYSTEM

The ignitor is a "Norton" style rectangular glowbar. The ignition circuit consists of the electronic control, the igniter, and the oven safety valve (gas valve). The three components are wired in series.

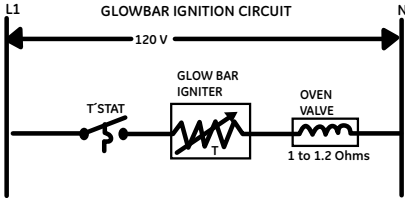
The most important points to know about the ignition system are:

1. THE IGNITOR RESISTANCE DECREASES AS THE IGNITER SURFACE TEMPERATURE INCREASES.
2. THE SAFETY VALVE OPERATES BY CURRENT, NOT VOLTAGE.

From a cold start, the ignitor needs 30-60 seconds, with voltage applied, to reduce the electrical resistance enough to provide a minimum of 2.9 amps of current flow in the series circuit. This is the required current flow needed for the safety valve to open to supply gas to the burner. The glowbar should provide a steady current flow of between 3.2 to 3.6 amps flowing in the circuit. The igniter will remain energized at all times during burner operation. If the igniter glows red but does not draw at least 2.9 amps, the fault is usually with the igniter, not the valve. Always check the oven shut-off valve for a "No Oven" condition.

IGNITER GLOWBAR REPLACEMENT

- The igniter glowbar and its protective cage are one assembly on this Norton style igniter. The round Carborundum igniter CANNOT be substituted for the rectangular Norton Igniter.
- Remove the burner from the oven. See *Bake Burner Removal* in this manual.
 - Remove the 1/4" hex head screws securing the igniter to the burner.
 - Remove the old igniter.
 - Install the new igniter and re-install the two 1/4" hex head screws to secure the igniter.
 - Reinstall the burner.

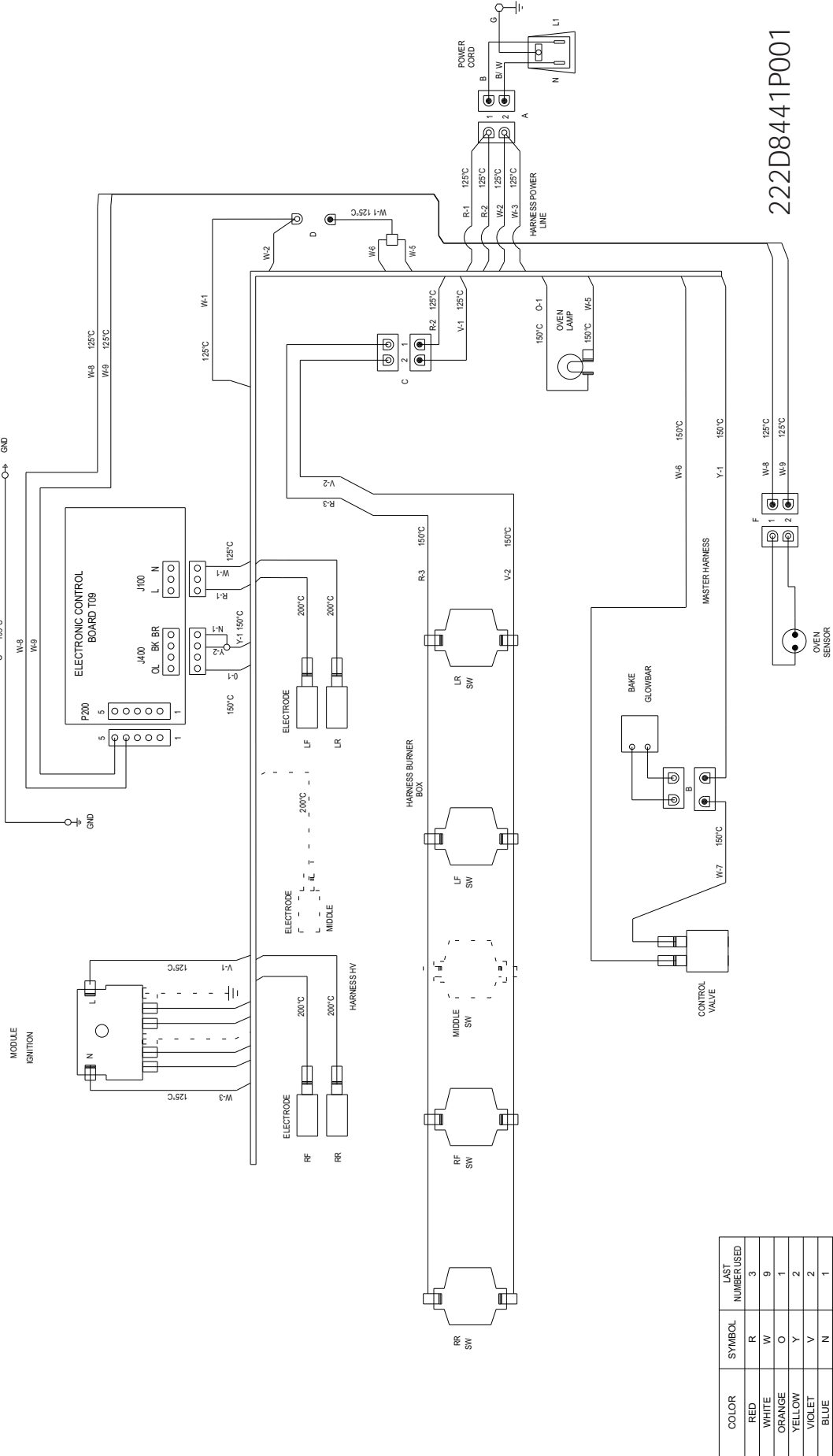


T09 FAULT CODES

FAILURE CODE	MEANING	CORRECTION
F0	SHORTED CANCEL/OFF KEY	Power down then power up the range. If the fault condition reappears within 15 minutes--REPLACE CONTROL.
F2	OVEN OVERTEMPERATURE CONDITION <ul style="list-style-type: none">• Door unlocked--oven exceeded ~620°F• Door locked--oven exceeded ~930°F• Door latch unlocked while oven in excess of ~620°F	<ol style="list-style-type: none">1. If no overtemperature condition occurred--check all contacts and connections in sensor circuit. Eliminate excessive resistance in sensor circuit due to increased contact/connector resistance.2. If overtemperature condition occurred--look for welded relay contacts on bake, broil, or double-line-break relays. If relay contact welding is confirmed--REPLACE CONTROL.3. Ensure Door Latch stays locked for duration of CLEAN cycle.
F3	OPEN OVEN SENSOR Sensor resistance >2900 ohms	Disconnect sensor/latch connector from the control. Measure sensor circuit resistance at sensor/lock switch connector (should be ~1100 ohms at room temperature). Ensure each sensor lead to chassis ground resistance is infinitely high.
F4	SHORTED OVEN SENSOR Sensor resistance <950 ohms	<p>If open or short circuit is detected:</p> <ol style="list-style-type: none">1. Look for cut or pinched sensor harness wire.2. Look for sensor leads shorted to chassis ground.3. Look for loss of terminal contact in the harness and at the control.4. Check sensor resistance directly at sensor harness connector (away from the control). If reading is abnormal--REPLACE OVEN SENSOR. <p>If sensor circuit appears to be normal:</p> <ol style="list-style-type: none">1. Reinstall sensor/lock switch connector on the control and measure sensor resistance at solder joints on the back of the control circuit board. If abnormal resistance reading is observed--RESTORE CONTACT PRESSURE OR SENSOR/LOCK SWITCH CONNECTOR. <p>If corrective actions above do not eliminate the problem--REPLACE CONTROL.</p>
F5	CONTROL SUPERVISORY CIRCUIT FAILURE	REPLACE CONTROL.
F7	SHORTED MATRIX KEY	Power down then power up the range. If the fault condition reappears within 15 minutes--REPLACE CONTROL.
F8	EEPROM ERROR	Power down then power up the range. If the fault condition reappears within 5 minutes--REPLACE CONTROL.

WIRING DIAGRAM

WARNING Power must be disconnected before servicing this appliance.



COLOR	SYMBOL	LAST NUMBER USED
RED	R	3
WHITE	W	9
ORANGE	O	1
YELLOW	Y	2
VIOLET	V	2
BLUE	N	1
GRAY	S	-
BROWN	C	-
BLACK	B	-
BLACK/WHITE	B/W	-

NOTES:
ALL LEADS WITH DESIGNATION NUMBERS THAT ENTER COMMON LEAD PATH, **MUST BE** TRACED TO THEIR TERMINATIONS.
---- THIS CIRCUIT NOT IN ALL MODELS.