"B"

Freestanding

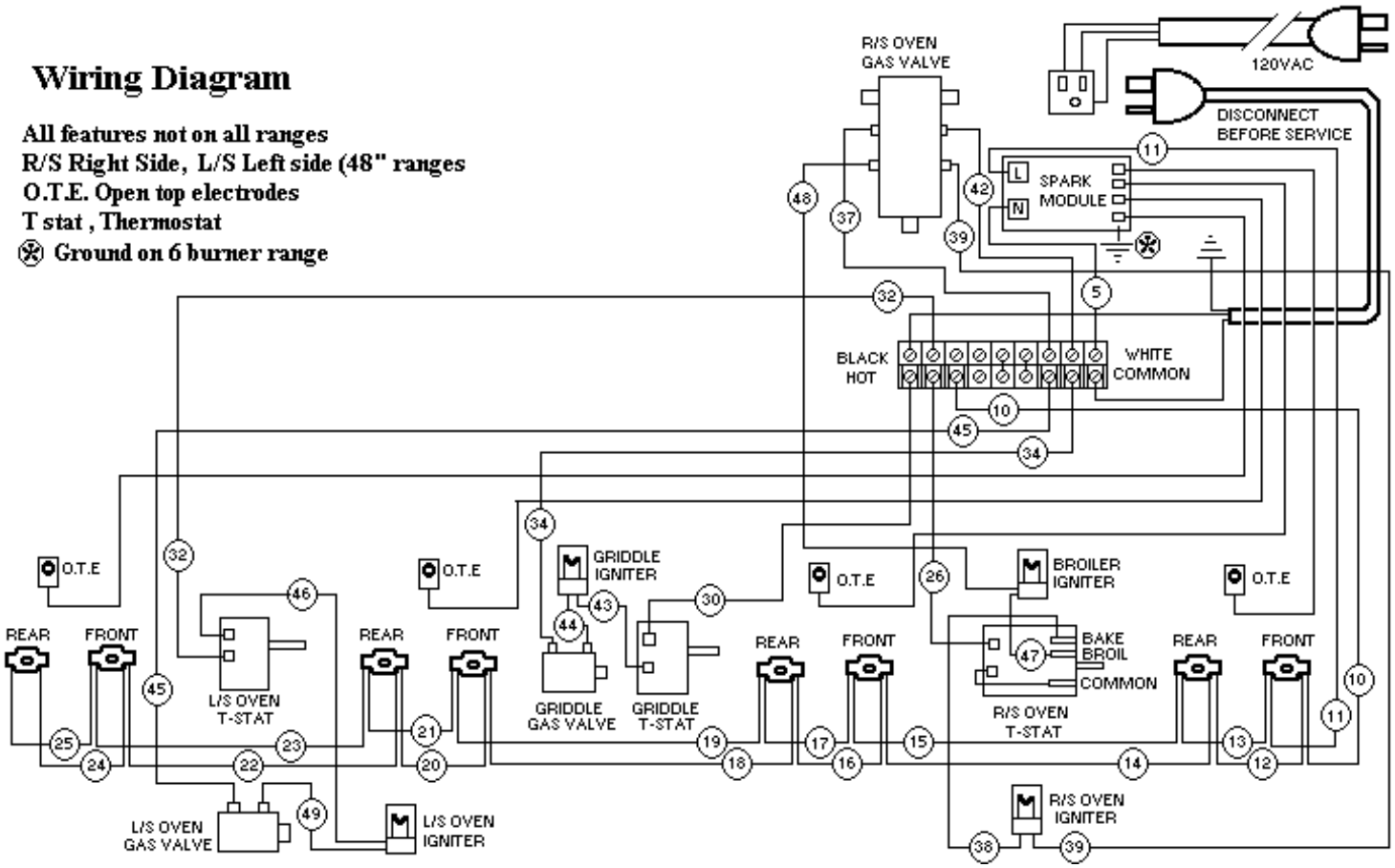
Gas Ranges

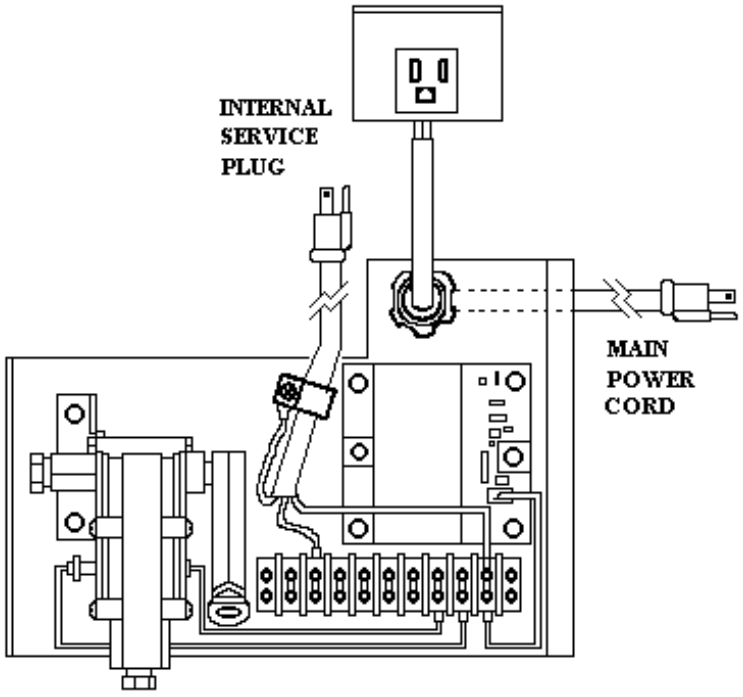
Gas freestanding ranges

VGR /VCM

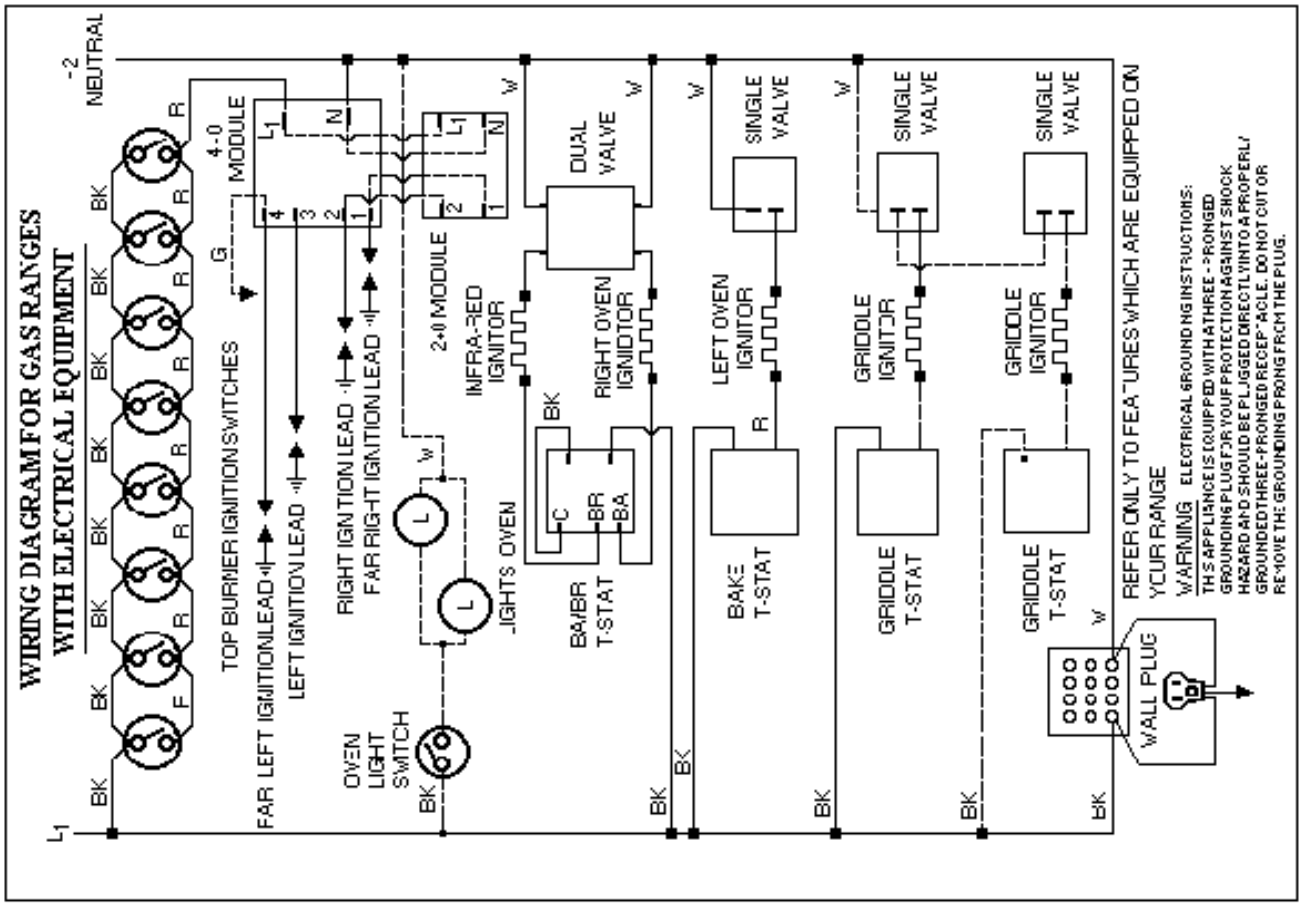
Wiring Diagram

All features not on all ranges
R/S Right Side, L/S Left side (48" ranges
O.T.E. Open top electrodes
T stat , Thermostat
Ground on 6 burner range

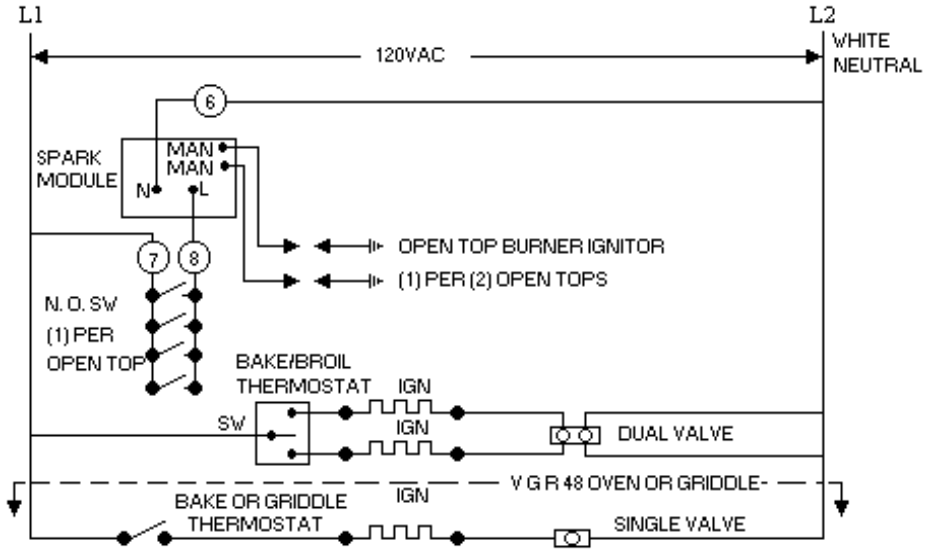




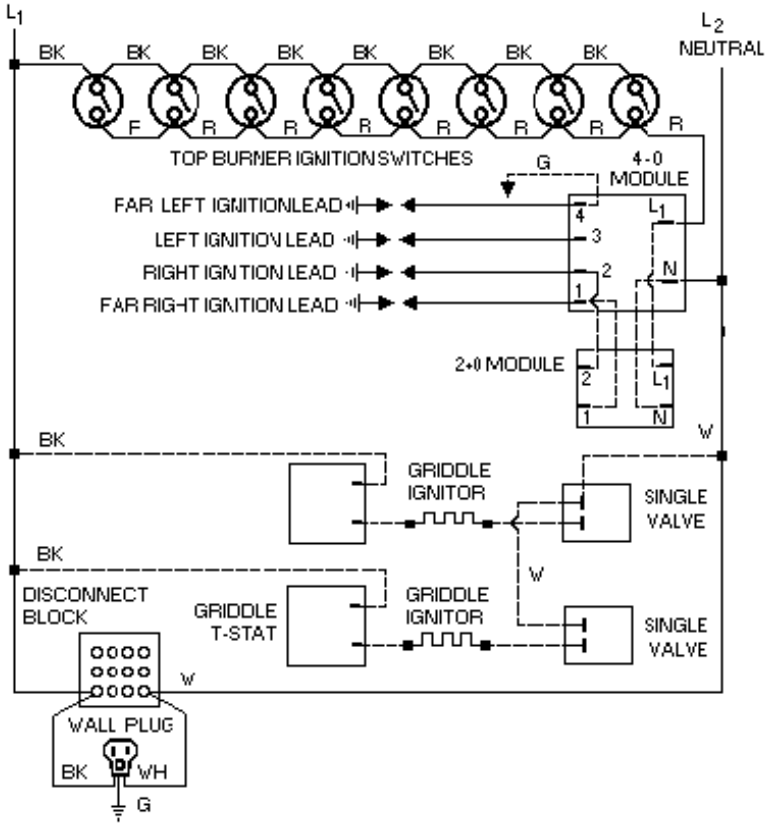
WIRING DIAGRAM FOR GAS RANGES WITH ELECTRICAL EQUIPMENT



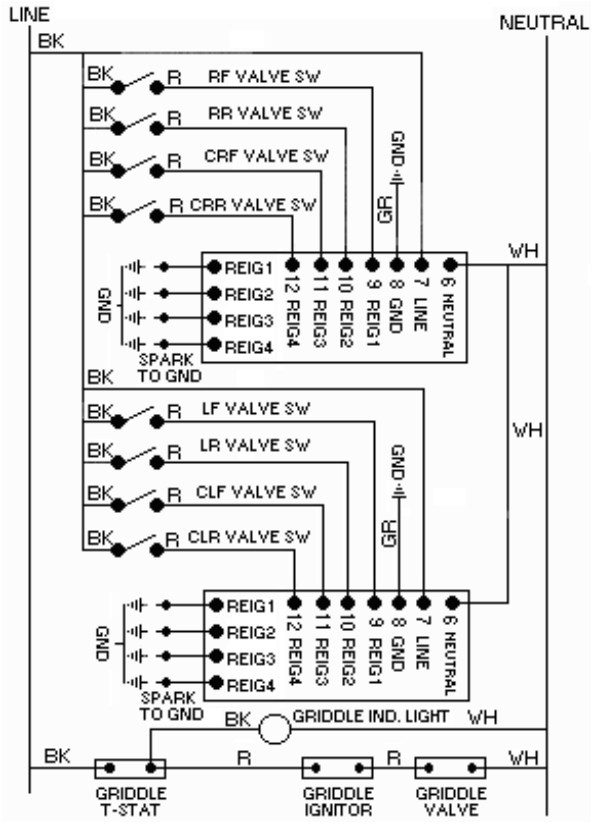
VGR (1st GENERATION) 36" / 48" RANGES
ONE (1) SPARK ELECTRODE FOR TWO (2) BURNERS



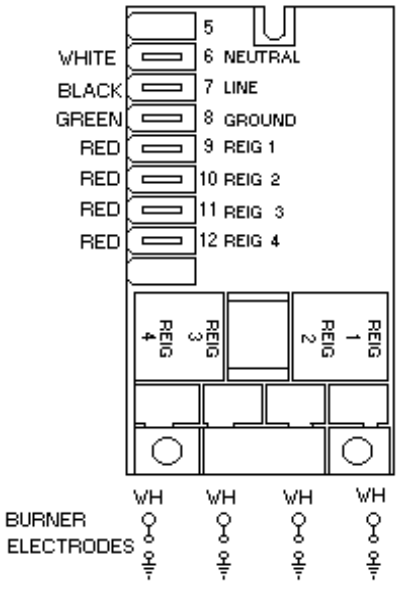
VRT / VRT-R RANGETOP WIRING DIAGRAM
(NO AUTO REIGNITION)



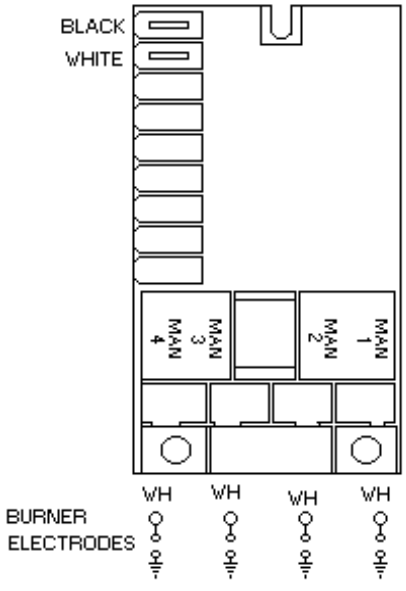
VGRT RANGETOP WIRING DIAGRAM
(WITH AUTO REIGNITION)



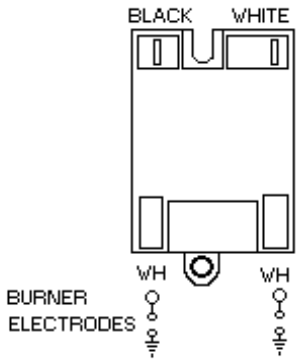
VGRC / VGRT / VGSC
RE-IGNITION MODULE



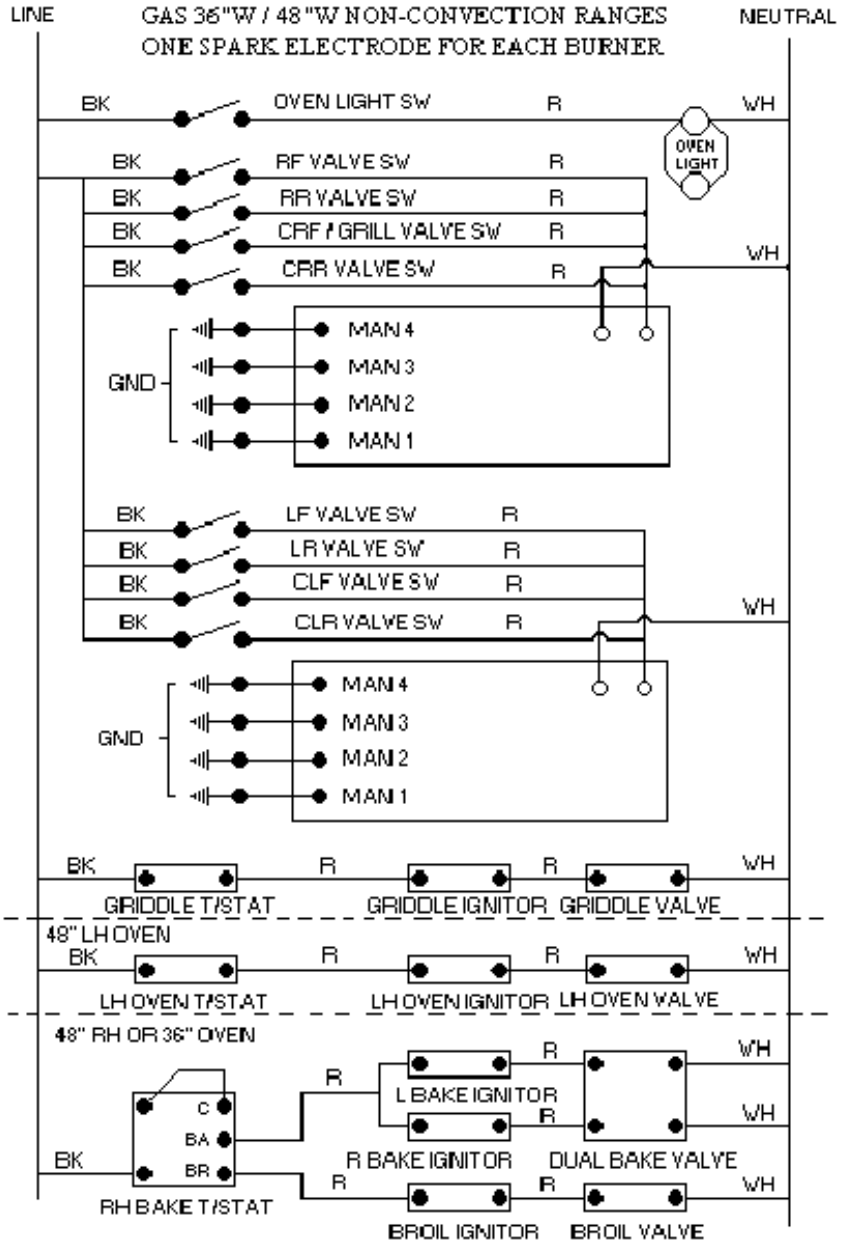
VGIS / VGSS
NON RE-IGNITION MODULE



VGIS / VGSS

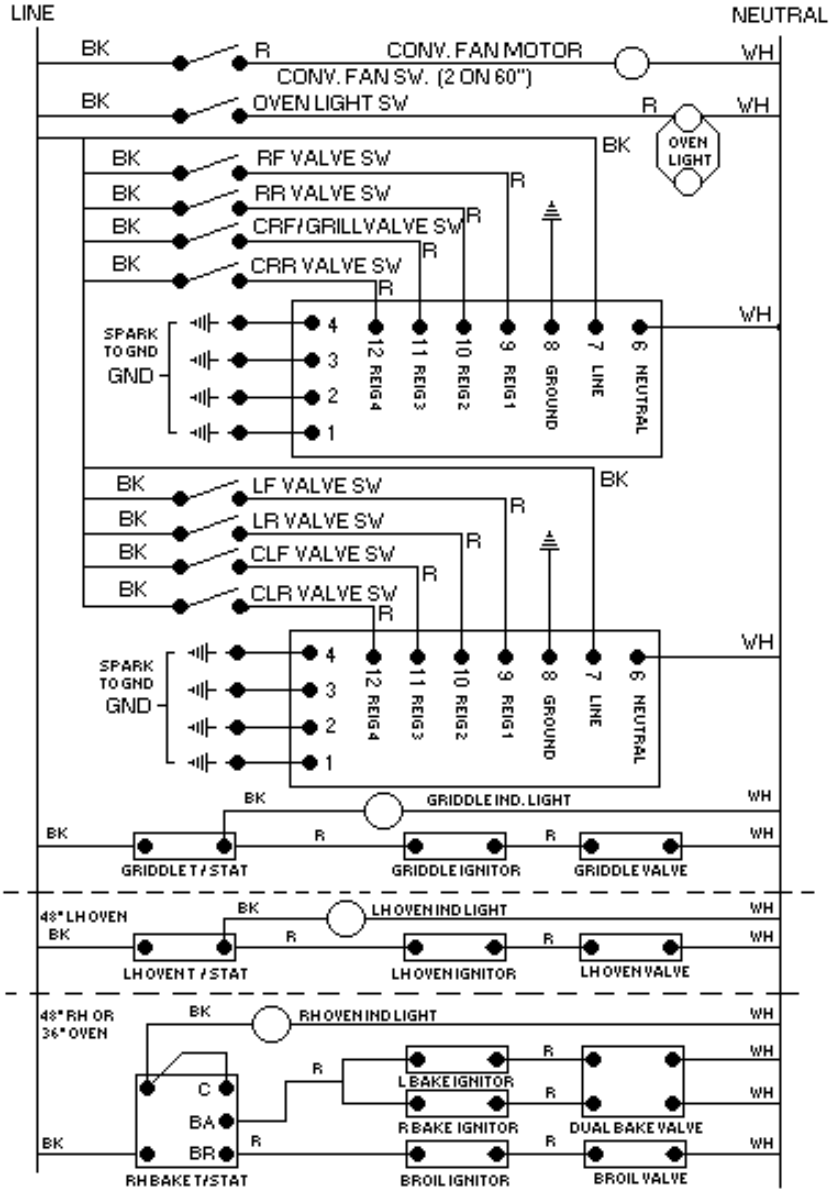


WIRING DIAGRAM



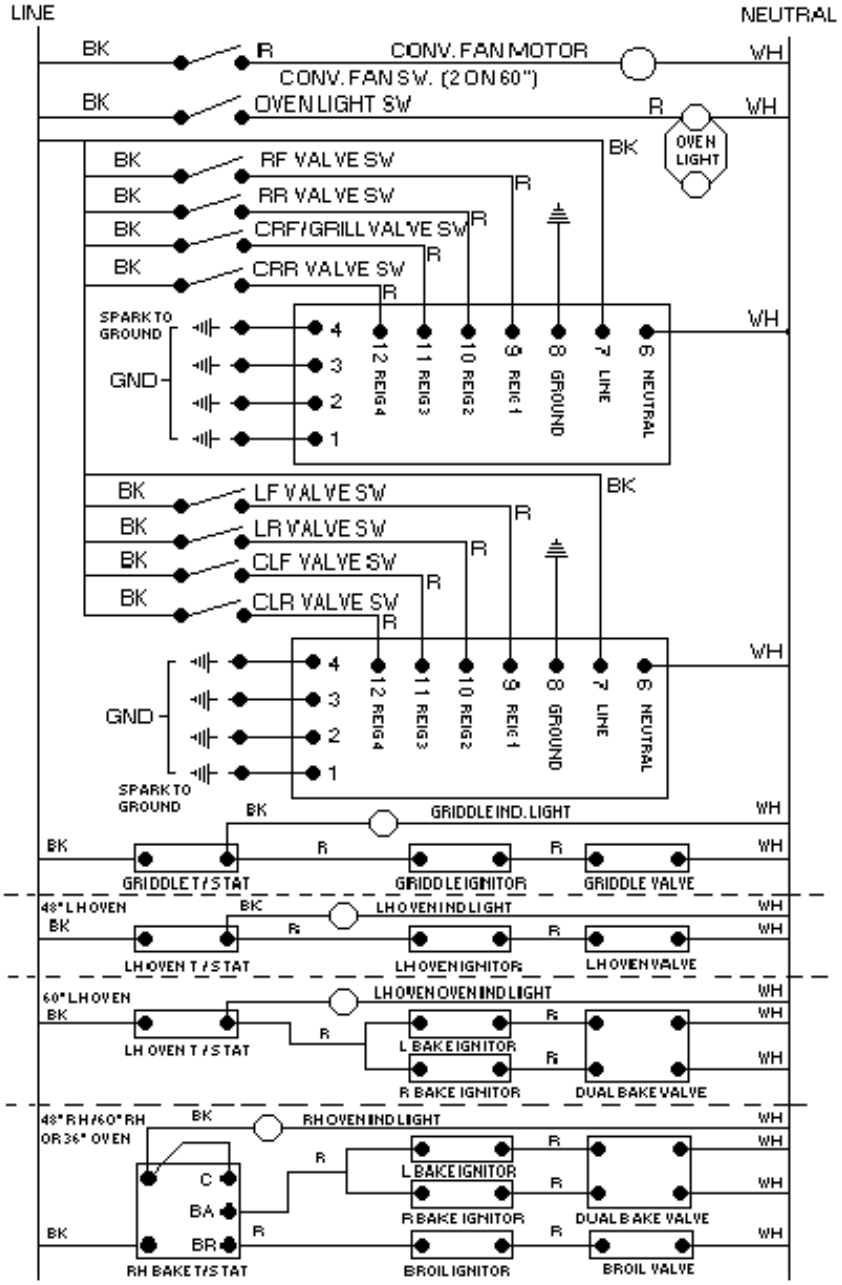
WIRING DIAGRAM

GAS 36"W / 48"W CONVECTION RANGES



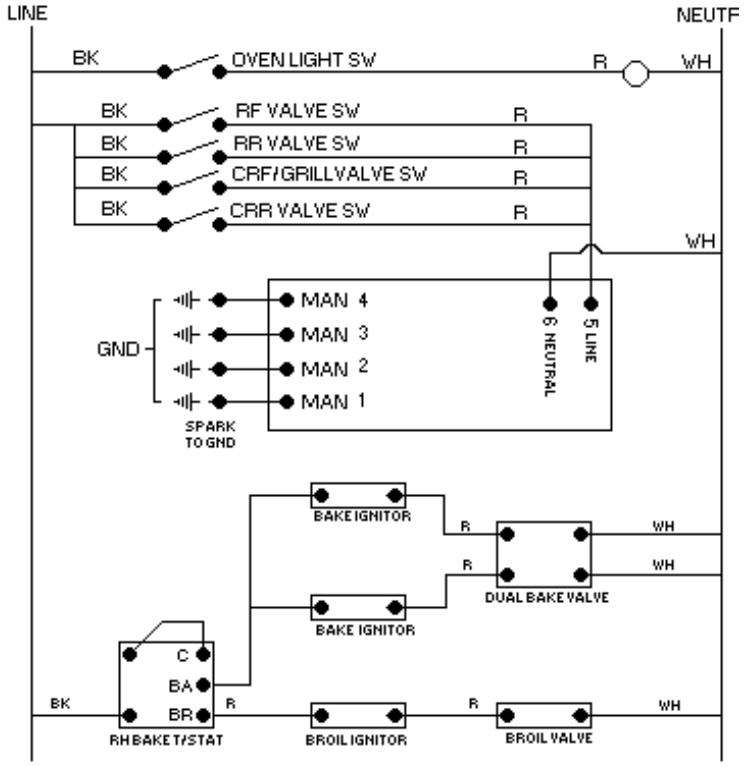
WIRING DIAGRAM

GAS 36"W / 48"W / 60"W CONVECTION RANGES



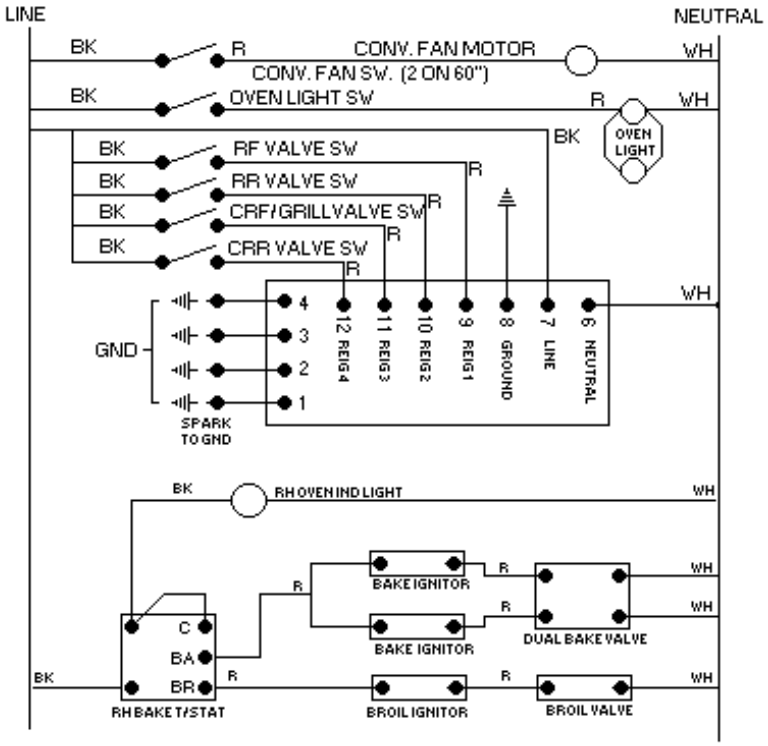
WIRING DIAGRAM

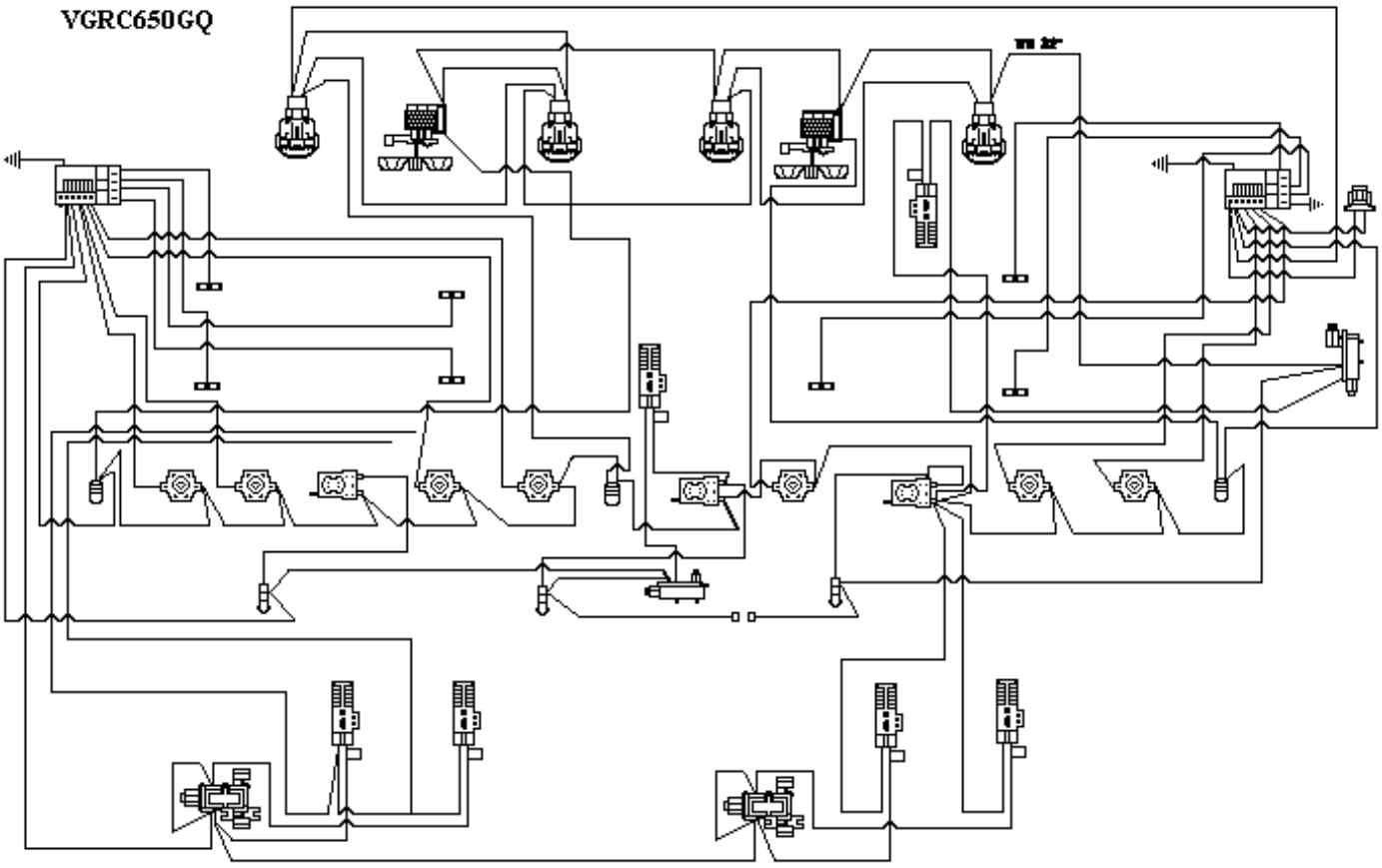
GAS 30"W NON-CONVECTION RANGES



WIRING DIAGRAM

GAS 30"W CONVECTION RANGES



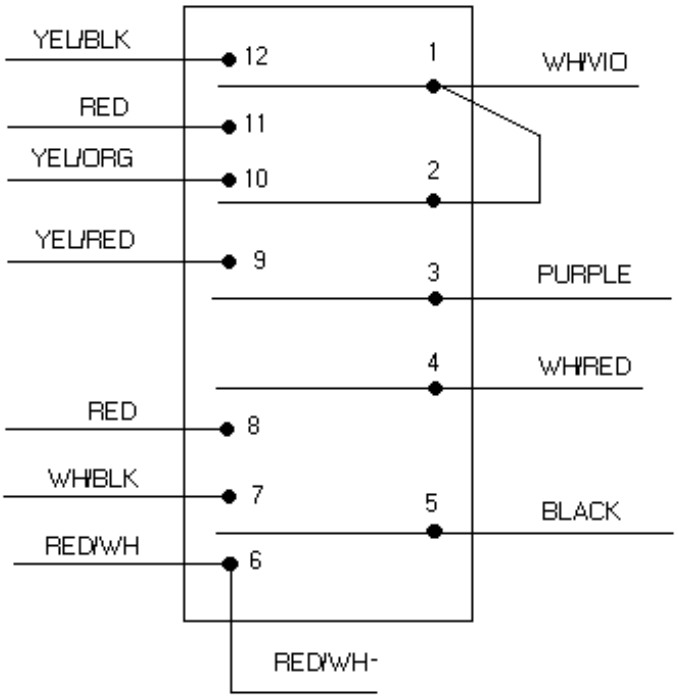

VGRC650GQ

VGSC FREESTANDING SELF-CLEAN GAS RANGE COMPONENT DIAGRAMS

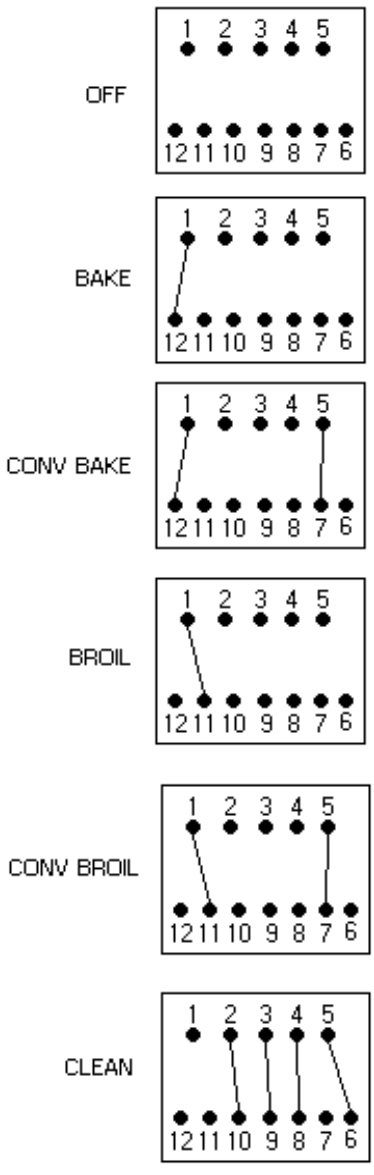
SELECTOR SWITCH

POSITION		1-11	1-12	2-10	3-9	4-8	5-6	5-7
OFF	1	0	0	0	0	0	0	0
BAKE	2	0	X	0	0	0	0	0
CONV BAKE	3	0	X	0	0	0	0	X
BROIL	4	X	0	0	0	0	0	0
CONV BROIL	5	X	0	0	0	0	0	X
CLEAN	6	0	0	X	X	X	X	0

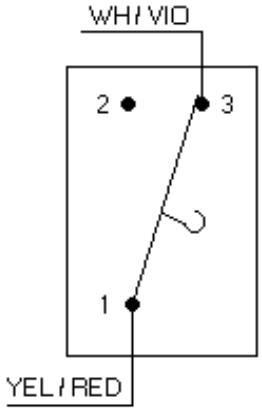
O OPEN X CLOSED



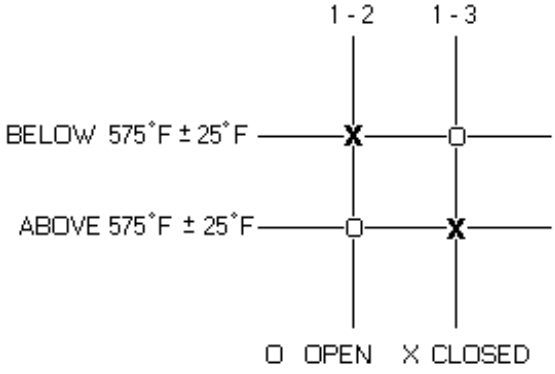
SELECTOR SWITCH



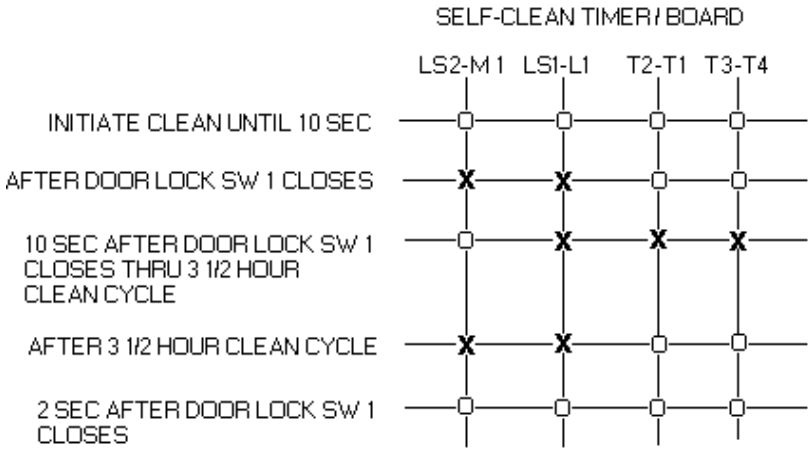
AUTO RESET

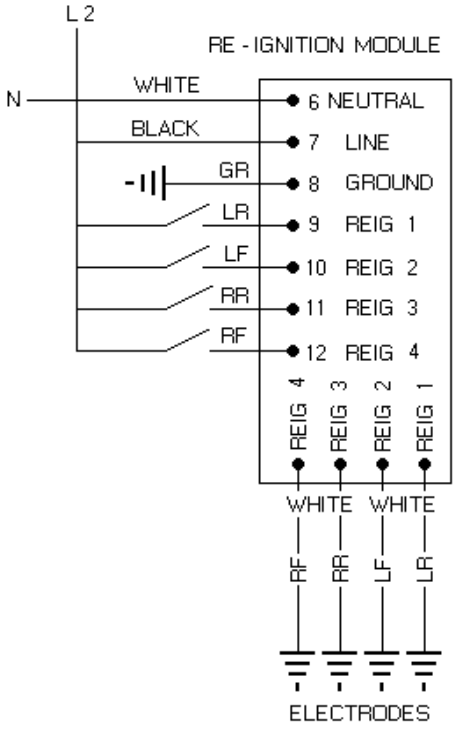


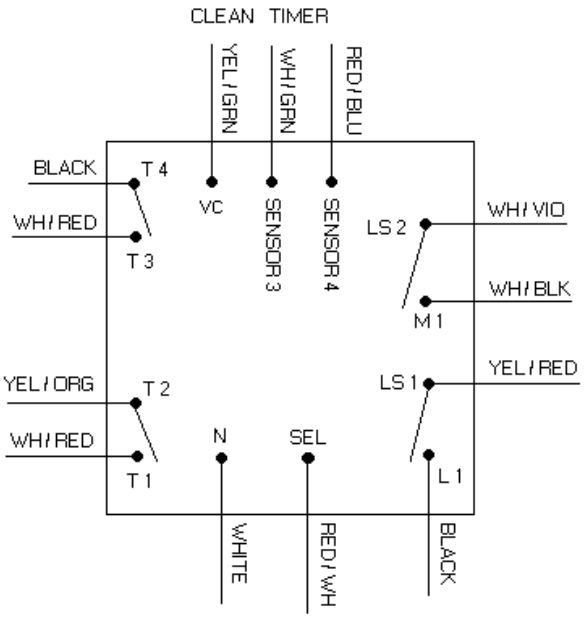
AUTO RESET

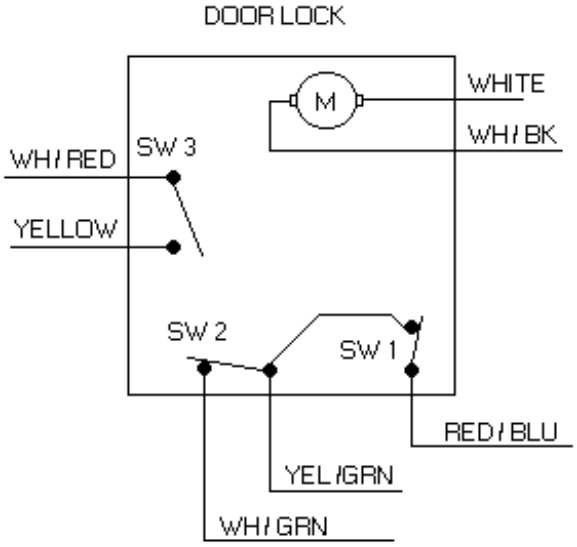


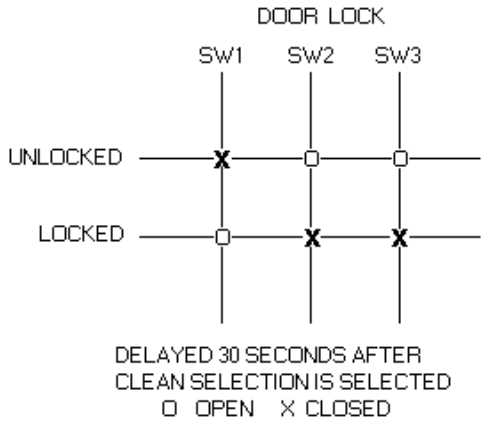
VGSC FREESTANDING SELF-CLEAN GAS RANGE COMPONENT DIAGRAM (Con't)



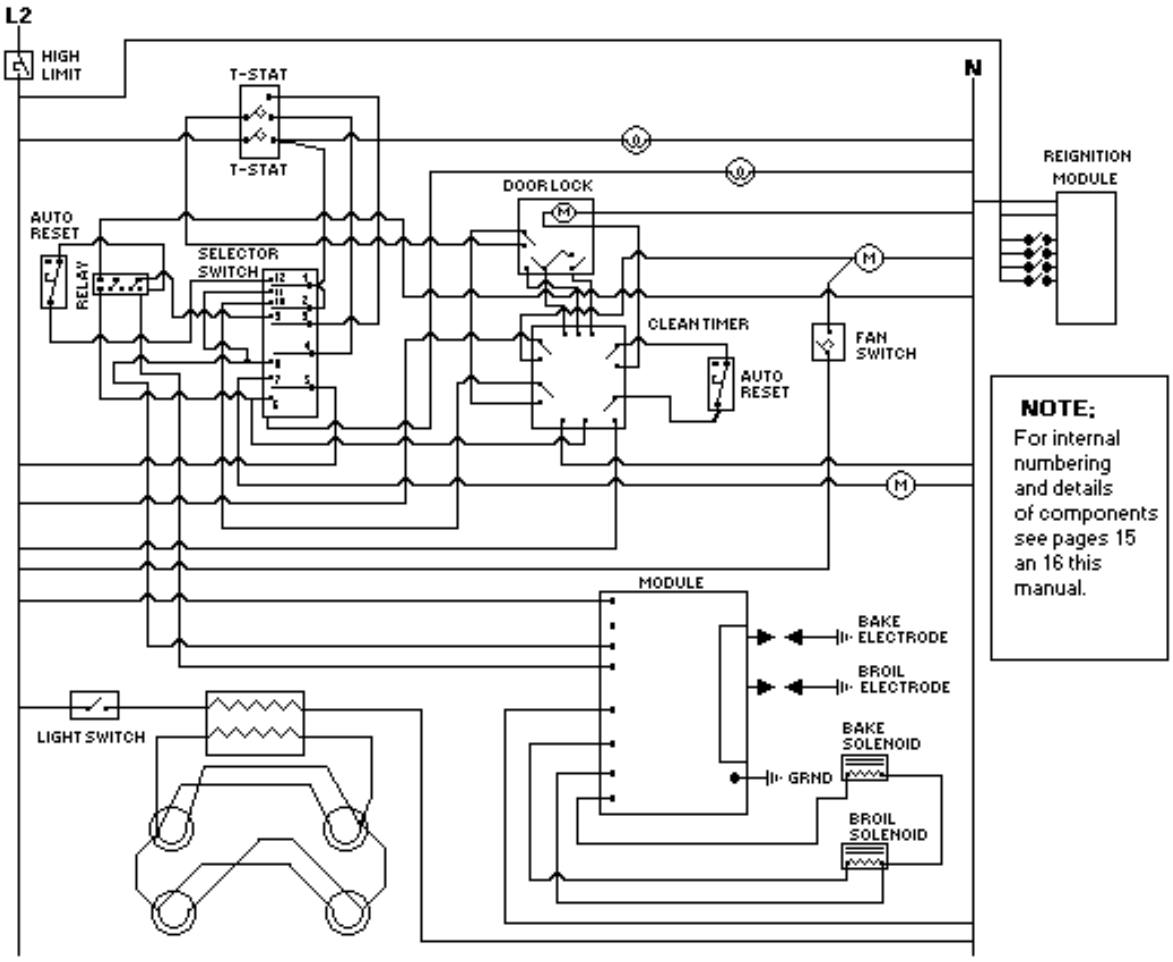




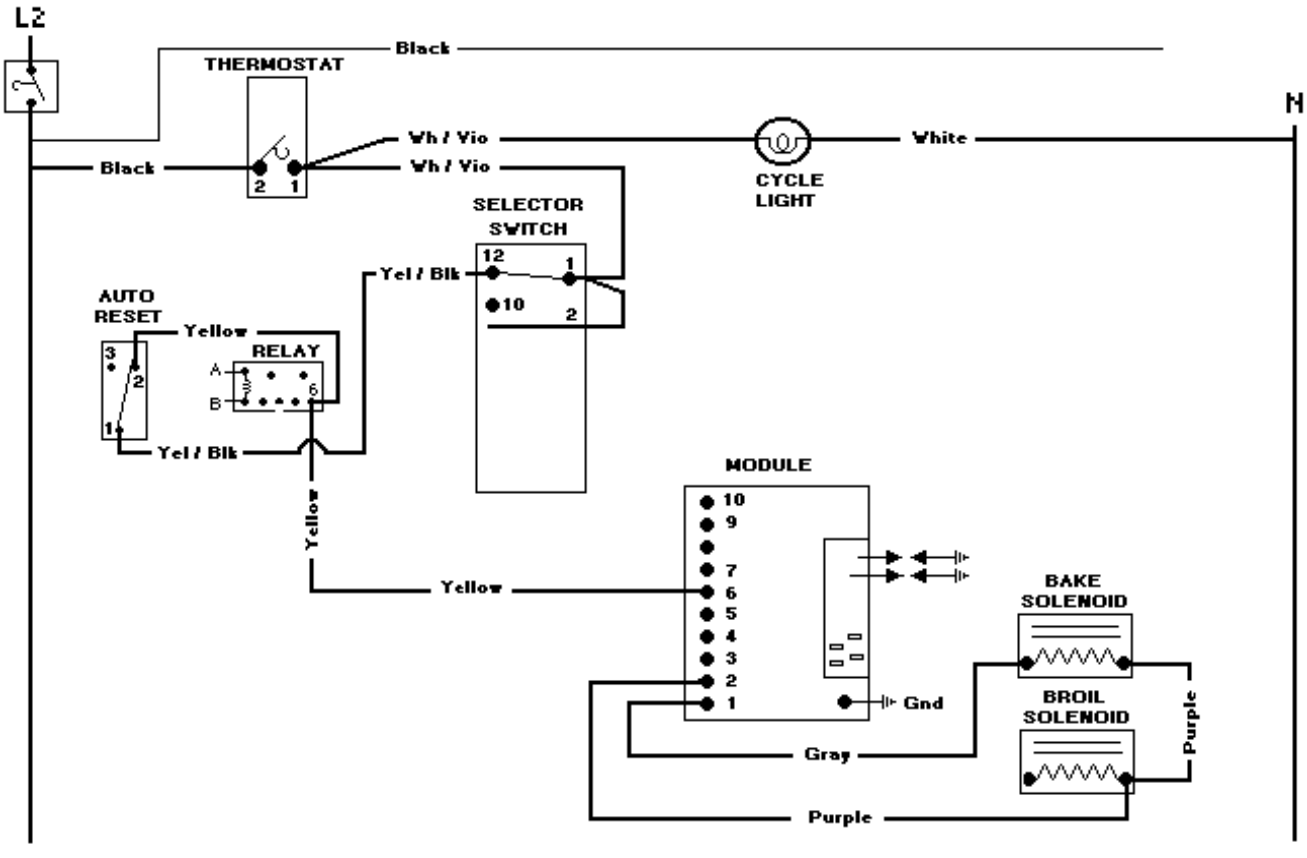




WIRING DIAGRAM
FREESTANDING GAS SELF-CLEAN RANGES

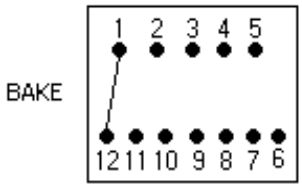


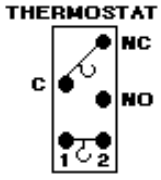
WIRING DIAGRAM
VGSC SELF-CLEAN
BAKE



SELECTOR SWITCH

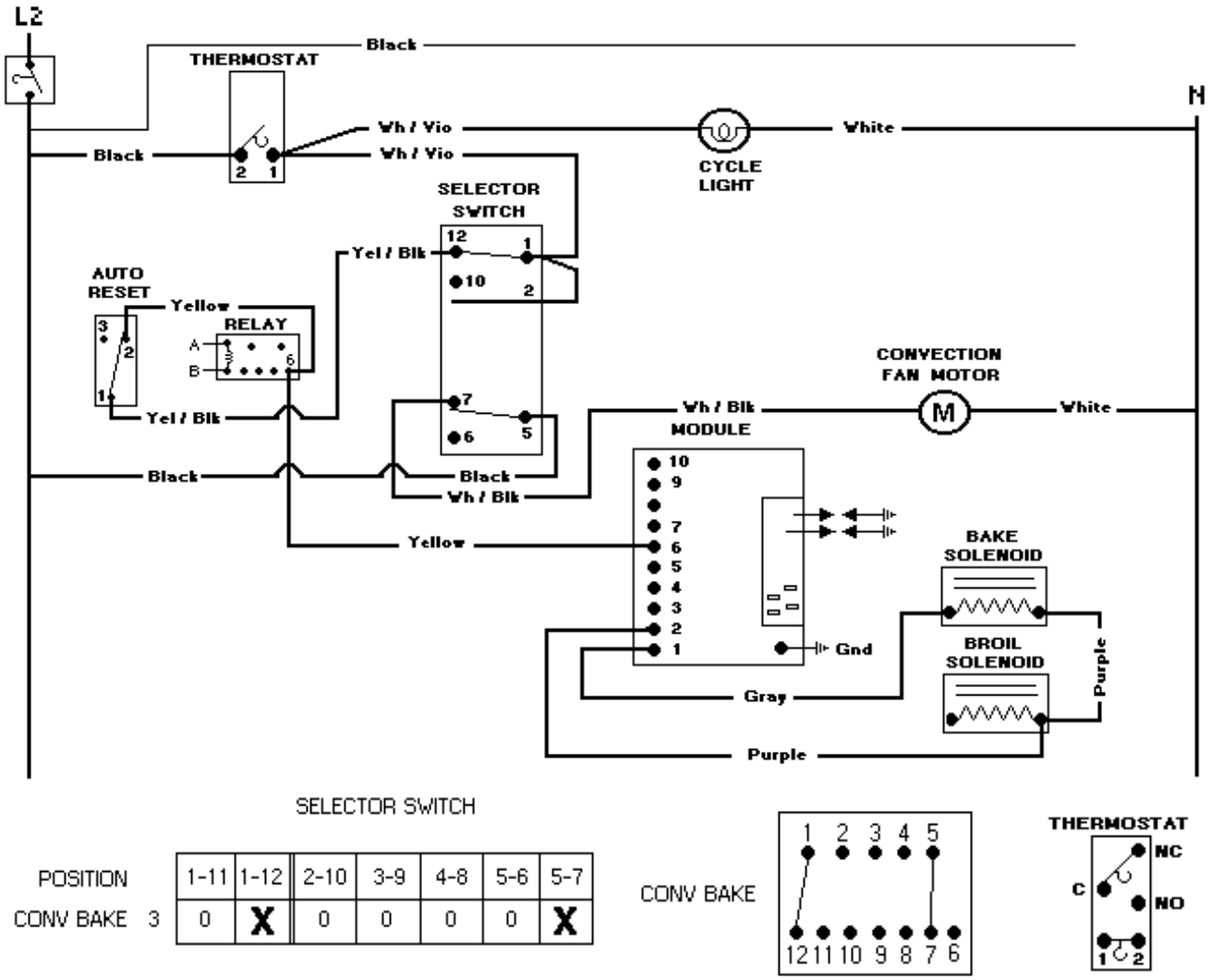
POSITION	1-11	1-12	2-10	3-9	4-8	5-6	5-7
BAKE 2	0	X	0	0	0	0	0





WIRING DIAGRAM BAKE MODE: Turn the selector switch to the BAKE POSITION, closing SELECTOR SWITCH contacts 1 & 12.Turning the temperature control to the desired temperature will close THERMOSTAT contacts 1 & 2. The CYCLE LIGHT will come on and cycle with the THERMOSTAT when the desired temperature is reached and will go off and on with the cycle of the thermostat to maintain the desired temperature. The contacts 1 & 2 will remain closed on the AUTO RESET until the temperature raises beyond 600 F. L1 voltage is applied to BAKE input (pin 6) on the module. The BAKE input is detected by the micro, which operates the BAKE VALVE and SPARK IGNITION sequence. (See pages 12 and 13 for a full description of operation and page 14 for the timing sequence.)

WIRING DIAGRAM
VGSC SELF-CLEAN
CONVECTION BAKE

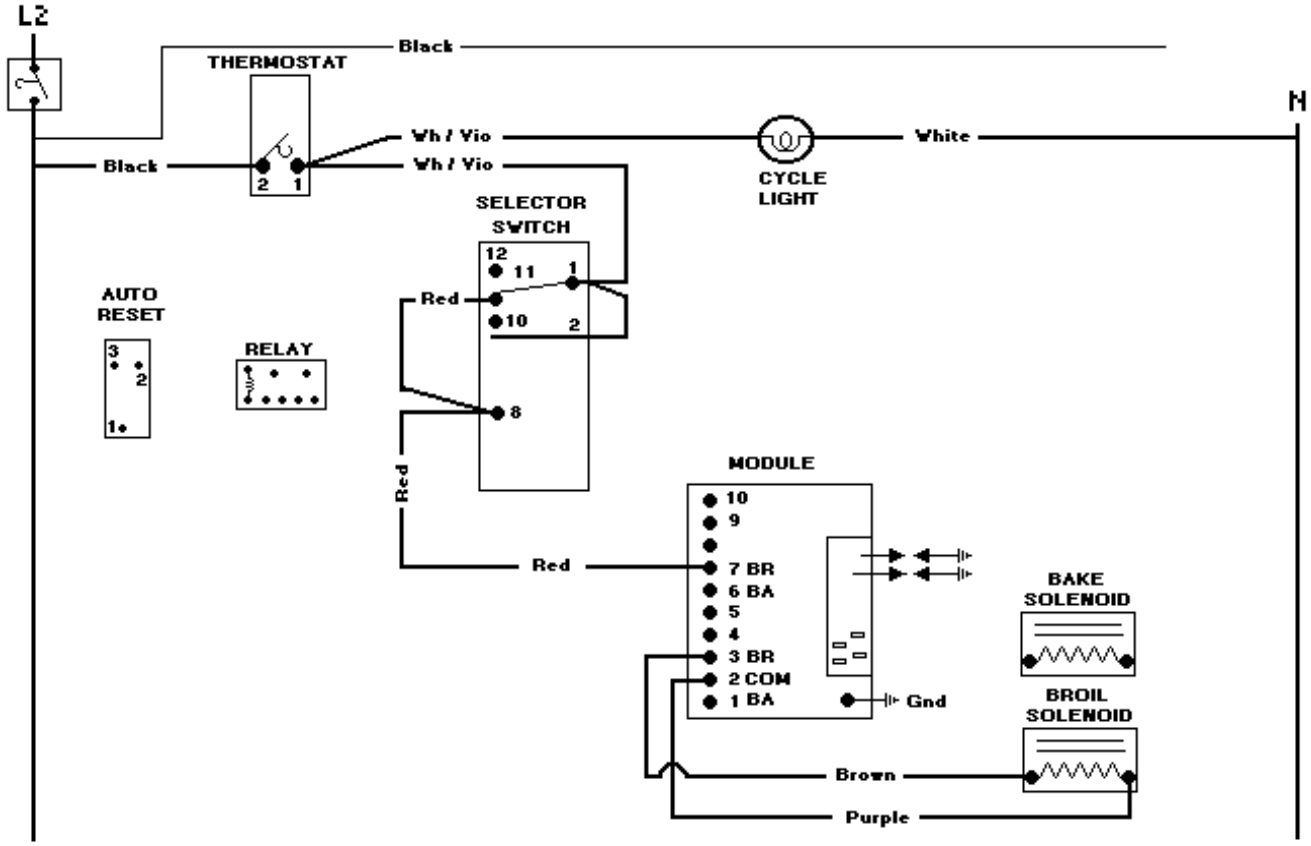


SELECTOR SWITCH

POSITION	1-11	1-12	2-10	3-9	4-8	5-6	5-7
CONV BAKE 3	0	X	0	0	0	0	X

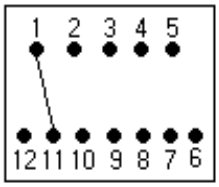
CONVECTION BAKE MODE: Turn the selector switch to the CONV. BAKE POSITION, closing SELECTOR SWITCH contacts 1 & 12 and 5 &7. Contacts 1 & 12 supplies L1 voltage to the MODULE. Contacts 5 & 7 supplies L1 voltage to the CONVECTION FAN MOTOR. Turning the temperature control to the desired temperature will close THERMOSTAT contacts 1 & 2. The CYCLE LIGHT will come on and cycle with the THERMOSTAT when the desired temperature is reached and will go off and on with the cycle of the thermostat to maintain the desired temperature. Contact 1 & 2 will remain closed on the AUTO RESET until the temperature raises beyond 600 F. L1 voltage is applied to BAKE input (pin 6) on the module. The BAKE input is detected by the micro, which operates the BAKE VALVE and SPARK IGNITION sequence. (See pages 12 and 13 for a full description of operation and page 14 for the timing sequence.)

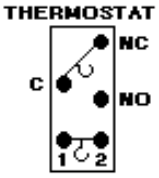
WIRING DIAGRAM
VGSC SELF-CLEAN
BROIL



SELECTOR SWITCH

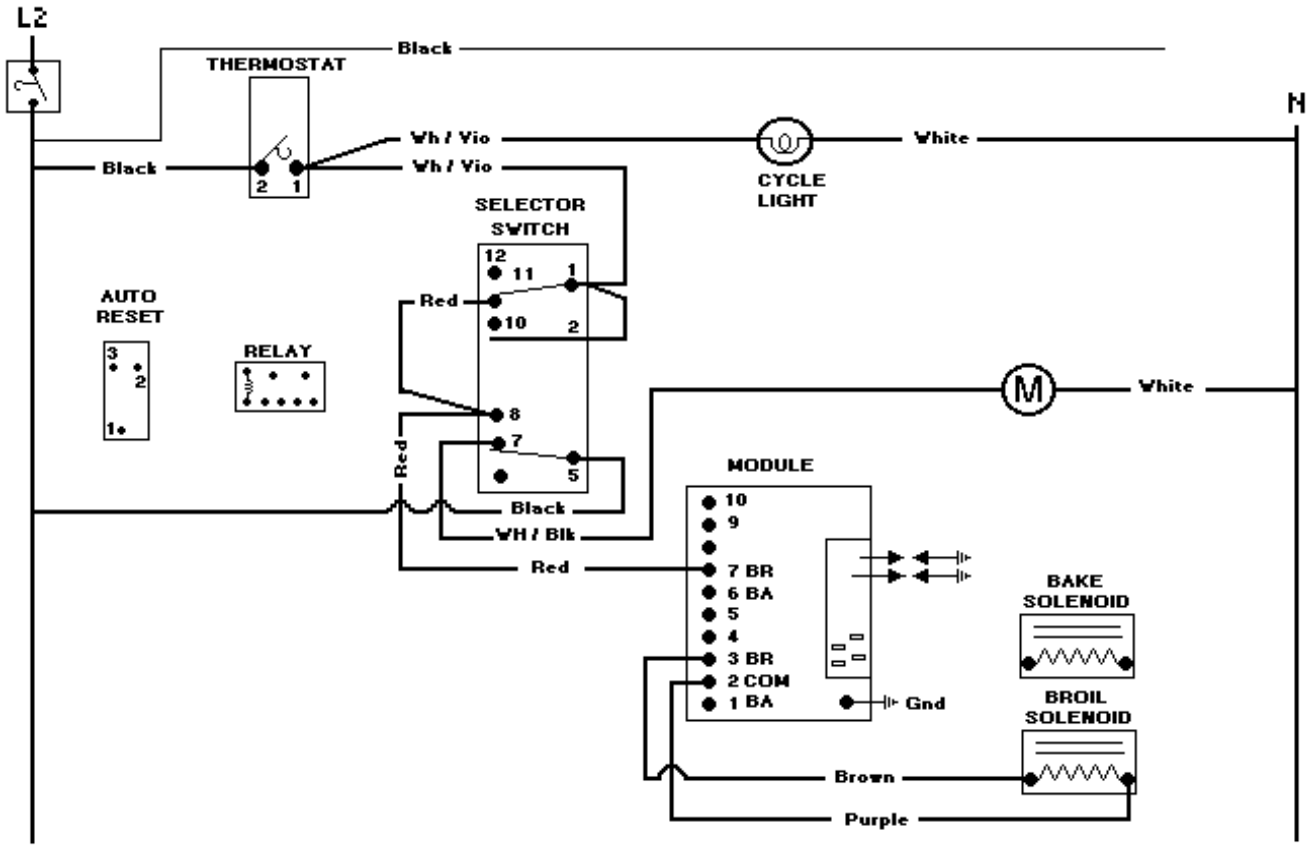
POSITION	1-11	1-12	2-10	3-9	4-8	5-6	5-7
BROIL 4	X	0	0	0	0	0	0





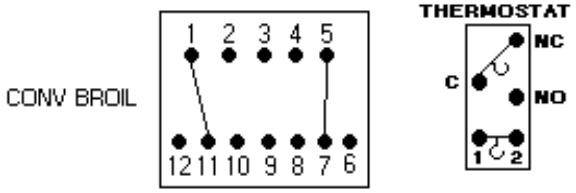
BROIL MODE: Turn the selector switch to the BROIL POSITION, closing SELECTOR SWITCH contacts 1 & 11. Turning the temperature control to BROIL will close THERMOSTAT contacts 1 & 2. The CYCLE LIGHT will come on and will cycle off and on with the cycling of the THERMOSTAT. L1 voltage is applied to BROIL input (pin 7) on the module. The BROIL input is detected by the micro, which operates the BROIL VALVE and SPARK IGNITION sequence. (See pages 12 and 13 for a full description of operation and page 14 for the timing sequence.)

WIRING DIAGRAM
VGSC SELF-CLEAN
CONVECTION BROIL



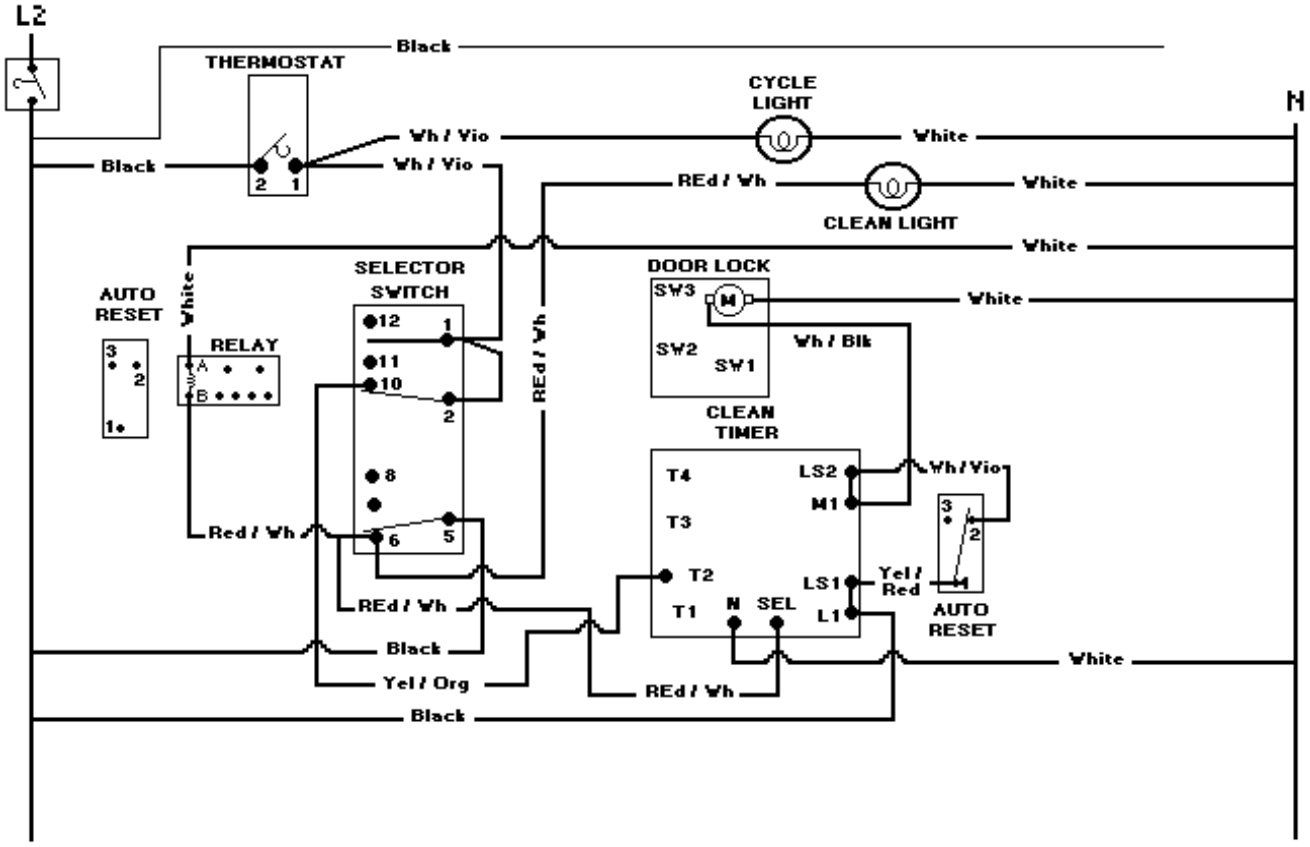
SELECTOR SWITCH

POSITION	1-11	1-12	2-10	3-9	4-8	5-6	5-7
CONV BROIL 5	X	0	0	0	0	0	X



CONVECTION BROIL MODE: Turn the selector switch to the CONV. BROIL POSITION, closing SELECTOR SWITCH contacts 1 & 11 and 5 & 7. Contacts 1 & 11 supplies L1 voltage to the MODULE. Contacts 5 & 7 supplies L1 voltage to the CONVECTION FAN MOTOR. Turning the temperature control to CONV. BROIL will close THERMOSTAT contacts 1 & 2. The CYCLE LIGHT will come on and will cycle off and on with the cycling of the THERMOSTAT . L1 voltage is applied to BROIL input (pin 7) on the module. The BROIL input is detected by the micro, which operates the BROIL VALVE and SPARK IGNITION sequence. (See pages 12 and 13 for a full description of operation and page 14 for the timing sequence.)

WIRING DIAGRAM
VGSC SELF-CLEAN
CLEAN BEFORE DOOR LOCK

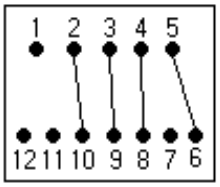


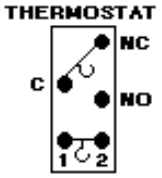
SELECTOR SWITCH

CLEAN (BEFORE DOOR LOCK)

POSITION	1-11	1-12	2-10	3-9	4-8	5-6	5-7
CLEAN 6	0	0	X	X	X	X	0

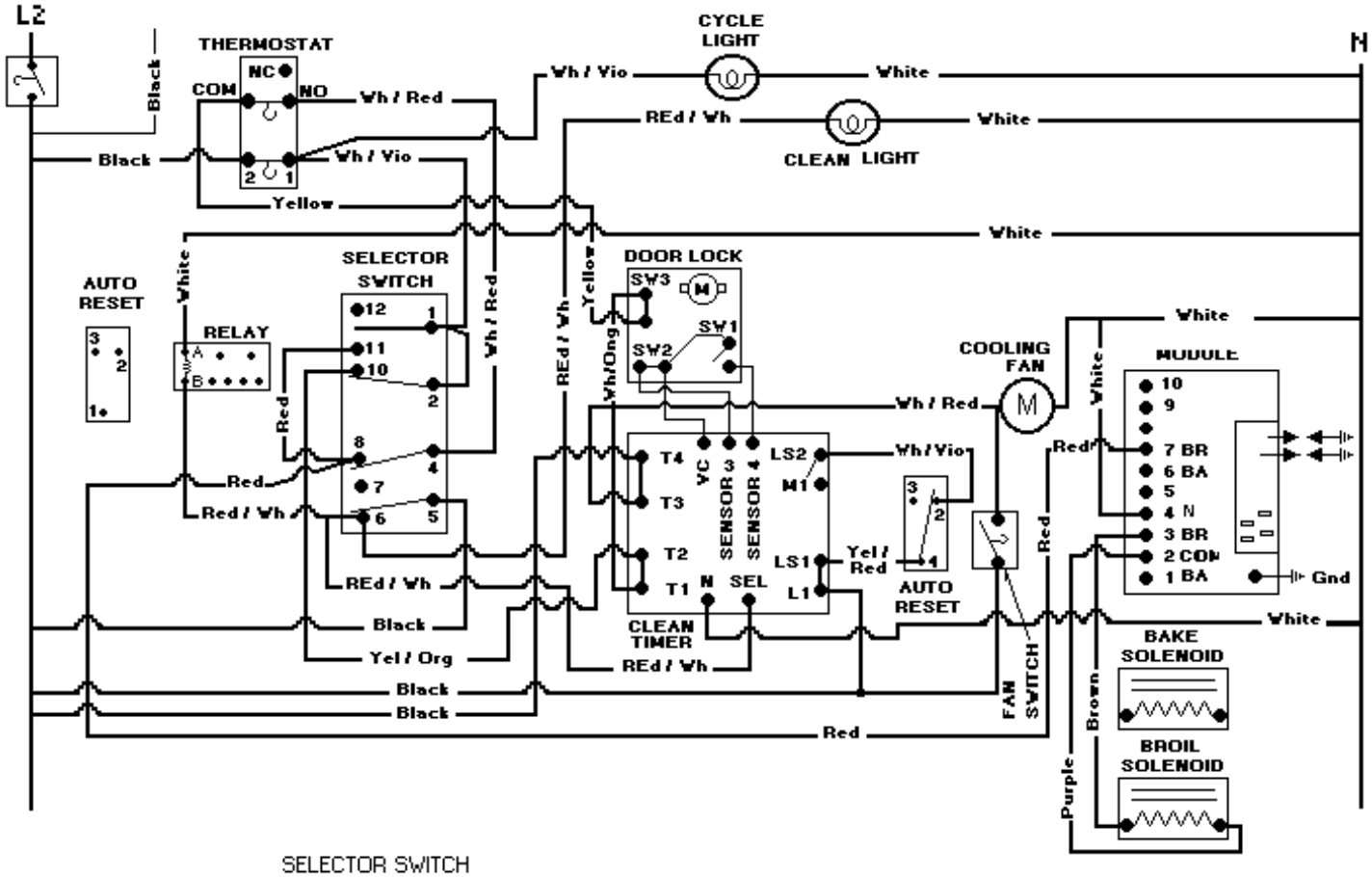
O OPEN X CLOSED





SELF-CLEAN MODE (Before the door locks): Turn the SELECTOR SWITCH to the SELF-CLEAN MODE. Turn the TEMPERATURE control past the clean setting until the knob stops. THERMOSTAT contacts 1 & 2 will close supplying L1 voltage to the SELECTOR SWITCH contacts 1 & 2. SELECTOR SWITCH contacts 2 & 10 will close supplying voltage to CLEAN/TIMER contact T2. SELECTOR SWITCH contacts 5 & 6 will close supplying voltage to CLEAN/TIMER contact SEL. and will power the relay coil. Power to SEL on the CLEAN/TIMER board will close contacts L1 & LS1 completing the circuit for the DOOR LOCK MOTOR through the AUTO RESET contacts 1 & 2 and LS2 & M1 on the CLEAN/TIMER board. This powers the DOOR LOCK MOTOR until 10 seconds after SENSOR 3 is signaled by VC that the DOOR LOCK SWITCH SW2 has been closed mechanically (along with SW3) by the DOOR LOCK BOLT.

WIRING DIGRAM
VGSC SELF-CLEAN
CLEAN BEFORE 600° F. AFTER DOOR LOCK



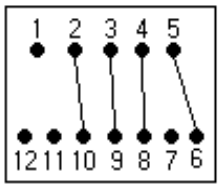
SELECTOR SWITCH

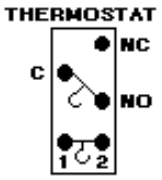
CLEAN (BEFORE 600°F AFTER DOOR LOCK)

POSITION	1-11	1-12	2-10	3-9	4-8	5-6	5-7
CLEAN 6	0	0	X	X	X	X	0

O OPEN X CLOSED

CLEAN

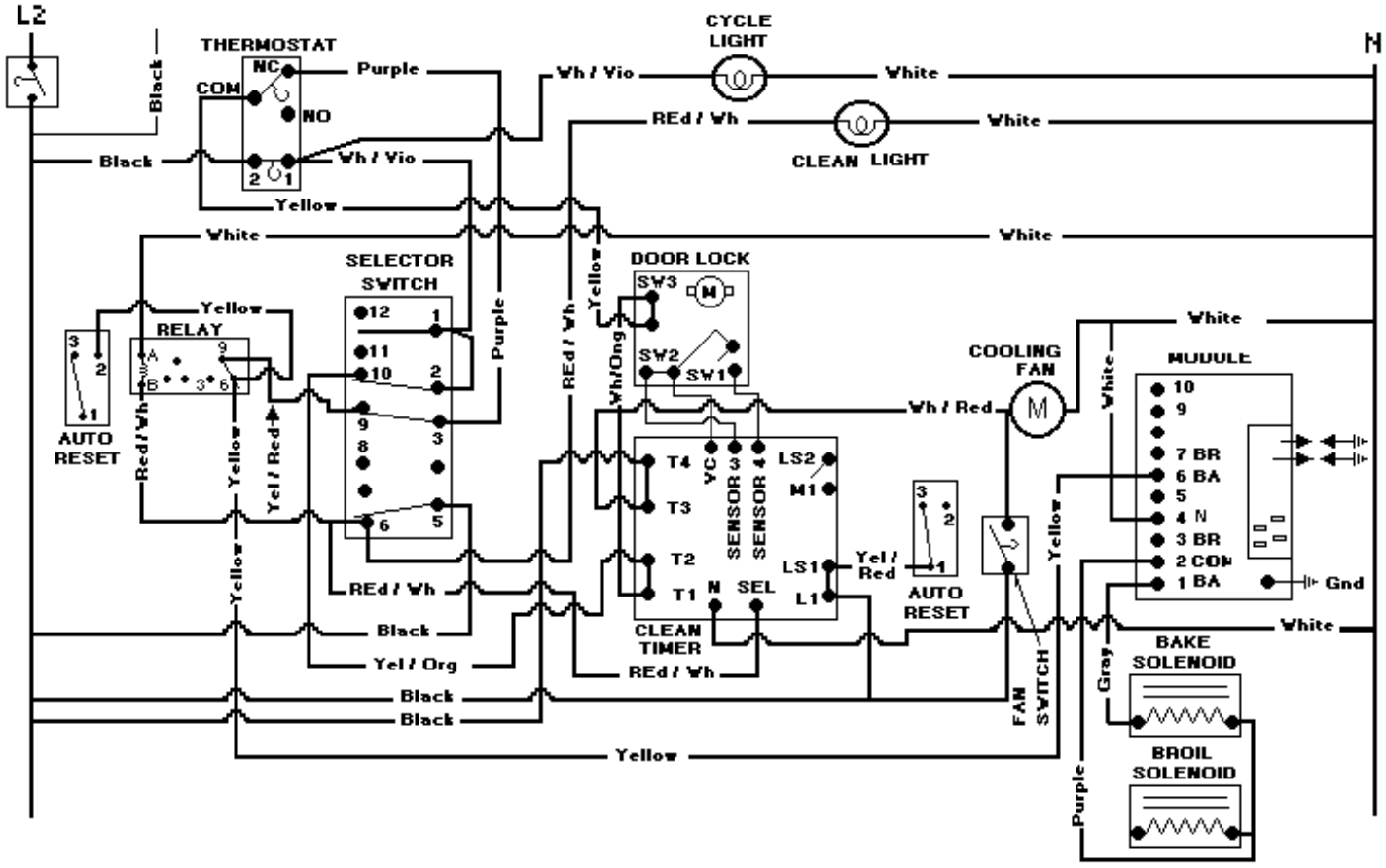




SELF-CLEAN MODE (Before 600 F after door lock): **10** seconds after the signal to SENSOR 4, SWITCH LS2 & M1 is opened, stopping the DOOR LOCK motion. T1 &T2 closes applying voltage to BROIL input Pin 7 on the MODULE. (L2 - T-STAT contacts 1 & 2 - SEL. SW. Contacts 2 & 10 - CLEAN TIMER contacts T2 & T1 - DOOR LOCK SW3 - T-stat COM & NO - SEL. SW. 4 & 8 - MODULE PIN 7 BROIL). The BROIL input is detected by the micro, which operates the BROIL VALVE and SPARK IGNITION sequence. The Broil Burner is energized for the step in the Clean Cycle.

T3 & T4 close powering the COOLING FAN MOTOR (L2 - CLEAN TIMER T4-T3 to COOLING FAN MOTOR - Neutral.)

WIRING DIAGRAM
VGSC SELF-CLEAN
CLEAN AFTER 600° F. AFTER DOOR LOCKS

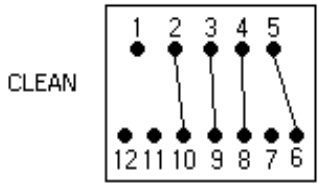


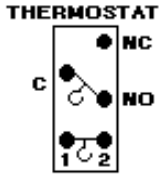
SELECTOR SWITCH

CLEAN (AFTER 600°F AFTER DOOR LOCK)

POSITION	1-11	1-12	2-10	3-9	4-8	5-6	5-7
CLEAN 6	0	0	X	X	X	X	0

O OPEN X CLOSED





SELF-CLEAN MODE (After 600 F after door lock): L2 to THERMOSTAT, contacts 2&1, - SEL. SW. contacts 2 &10 to CLEAN TIMER contacts T2-T1 and to DOOR LOCK switch SW3 to THERMOSTAT contacts COM & NC to SEL. SW. contacts 3 & 9 to BAKE RELAY to MODULE pin 6 (Bake). The BAKE input is detected by the micro which operates the BAKE VALVE and SPARK IGNITION sequence.

After approximately 3 ½ hours the CLEAN TIMER board will time out and will terminate the cycle. The temperature and the selector switch is to be turned OFF. 30 minutes will be required for the oven to cool enough for the door latch to disengage. `