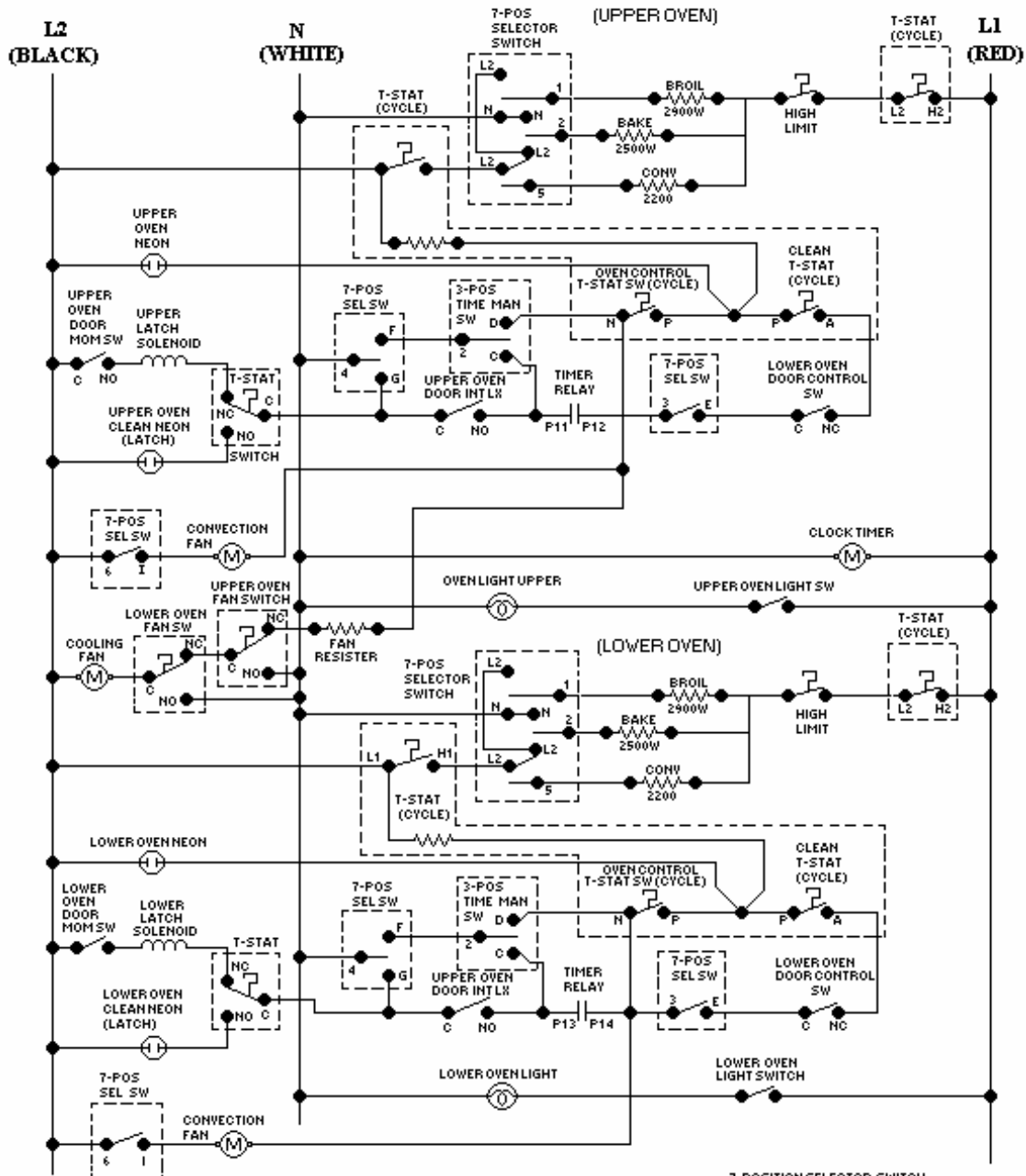


"G"

BUILT-IN ELECTRIC WALL OVENS

| Built-in Electric Wall Ovens | |
|--|-------------|
| VEDO 27" Electric Wall Oven----- | G001 |
| VEDO 27" Gas Wall Oven----- | G002 |
| VEDO273 Component Testing----- | G003 / G006 |
| Schematic Wiring Diagram VEDO273 W. Wall Oven----- | G007 / G008 |
| VESO105 Wiring Diagram (Schematic) Built-in Electric 27" W. Single Wall Oven----- | G009 |
| Bake----- | G010 |
| Convection Bake----- | G010 |
| Convection Cook----- | G010 |
| Mini-Broil----- | G010 |
| Maxi-Broil----- | G011 |
| Convection Broil----- | G011 |
| Clean Initiate----- | G011 |
| Door Lock Below 575° F.----- | G011 |
| Door Lock Above 575° F.----- | G012 |
| Clean Finish Above 575° F. ----- | G012 |
| Clean Finish Below 575° F. ----- | G012 |
| VESO Relay Circuits----- | G013 |
| VESO Relay Circuits (Update)----- | G014 |
| VEDO205 Built-in Electric Double Oven----- | G015 |
| Relay Circuits Upper Oven----- | G016 |
| Relay Circuits Lower Oven & 8-Position Selector Switch----- | G017 |
| Relay Circuits Upper Oven (Update)----- | G018 |
| Relay Circuits Lower Oven (Update)----- | G019 |
| Upper Oven Bake----- | G020 |
| VEDO205 Lower Oven Bake----- | G021 |
| Upper Oven Convection Bake----- | G022 |
| Lower Oven Convection Bake----- | G023 |
| Upper Oven Convection Cook----- | G024 |
| Lower Oven Convection Cook----- | G025 |
| Upper Oven Mini Broil----- | G026 |
| Lower Oven Mini Broil----- | G027 |
| Upper Oven Maxi Broil----- | G028 |
| Lower Oven Maxi Broil----- | G029 |
| Upper Oven Convection Broil----- | G030 |
| Lower Oven Convection Broil----- | G031 |
| Upper Oven Clean (Before Door Lock)-- | G032 |
| Upper Oven Clean (After Door Lock)---- | G033 |
| Lower Oven Clean (Before Door Lock)-- | G034 |
| Lower Oven Clean (After Door Lock)--- | G035 |
| Designer Series Electric Wall Ovens | |
| DESO105 Designer Oven (single)----- | G036 |
| DESO105 Designer Time Piece (single)- | G037 |
| DEDO200 Designer Oven (double)----- | G038 |
| DEDE200 Designer Time Piece(double) | G039 |
| Designer Double Oven – Time Piece----- | G040 |
| Designer Single Oven – Time Piece----- | G041 |
| Cooking Module Layout----- | G042 |
| DEDO271-201 Wiring Diagram----- | G043 |
| DEDO205-275 Wiring Diagram----- | G044 |
| DESO175-105 Wiring Diagram----- | G045 |
| DESO171-101 Wiring Diagram----- | G046 |
| VEDO277-207-265 Wiring Diagram----- | G047 |
| VESO177-107-165 Wiring Diagram----- | G048 |
| VEOS100 Built-in Smoker Oven Diagram----- | G049 |
| DESO-DEDO Install Pre-Heat Boards 1----- | G050 |
| DESO-DEDO Install Pre-Heat Boards 2----- | G051 |
| DESO-DEDO Install Pre-Heat Boards 3----- | G052 |
| DESO-DEDO Install Pre-Heat Boards 4 ----- | G053 |
| DESO-DEDO Install Pre-Heat Boards 5 ----- | G054 |
| 36" Single Wall Oven with Pre-Heat----- | G055 |
| 36" Bake/Initial Cycle with Pre-Heat----- | G056 |
| 36" Bake after First Cycle with Pre-Heat----- | G057 |
| 36" Convection/Initial Cycle with Pre-Heat---- | G058 |
| 36" Convection Bake----- | G059 |
| 36" Convection Cook----- | G060 |
| 36" Mini-Broil----- | G061 |
| 36" Maxi-Broil----- | G062 |
| 36" Convection Broil----- | G063 |
| 36" Clean Initiate until Door Lock----- | G064 |
| 36" Clean Door Lock above 575° ± 25°----- | G065 |
| 36" Clean Door Lock below 575° ± 25°----- | G066 |
| 36" Clean Finish Door below 575° ± 25°----- | G067 |
| 36" Double Wall Oven with Pre-Heat----- | G068 |
| VEIS100 Built-in Smoker Oven----- | G069 |

VEDO WIRING SCHEMATIC



3-POSITION TIME/MANUAL SELECTOR SWITCH

| POSITION | SWITCHING | | | |
|------------|-----------|---|---|---|
| | 1 | 2 | 3 | 4 |
| OFF | X | O | X | O |
| LOWER TIME | X | O | O | X |
| MANUAL | O | X | O | X |
| UPPER TIME | O | X | X | O |

X-CLOSED
O-OPEN
180° ROTATION

THERMOSTAT

| POSITION | SWITCHING | | | | |
|------------|-----------|-----|---|-------|--------|
| | A-P | N-P | C | H1-L1 | H2-L2 |
| OFF | X | O | O | X | O |
| 150° BROIL | X | CYC | O | X | CYCLE* |
| ABOVE 550 | X | CYC | X | O | CYCLE* |
| BELOW 375 | X | CYC | X | O | CYCLE* |
| ABOVE 375 | CYC | CYC | X | O | CYCLE* |

X-CLOSED
O-OPEN
** CLEAN OPERATES IN ANY POSITION
* DELAYED UP TO 60 SECONDS AFTER-N-P OR A-P CYCLE POINT

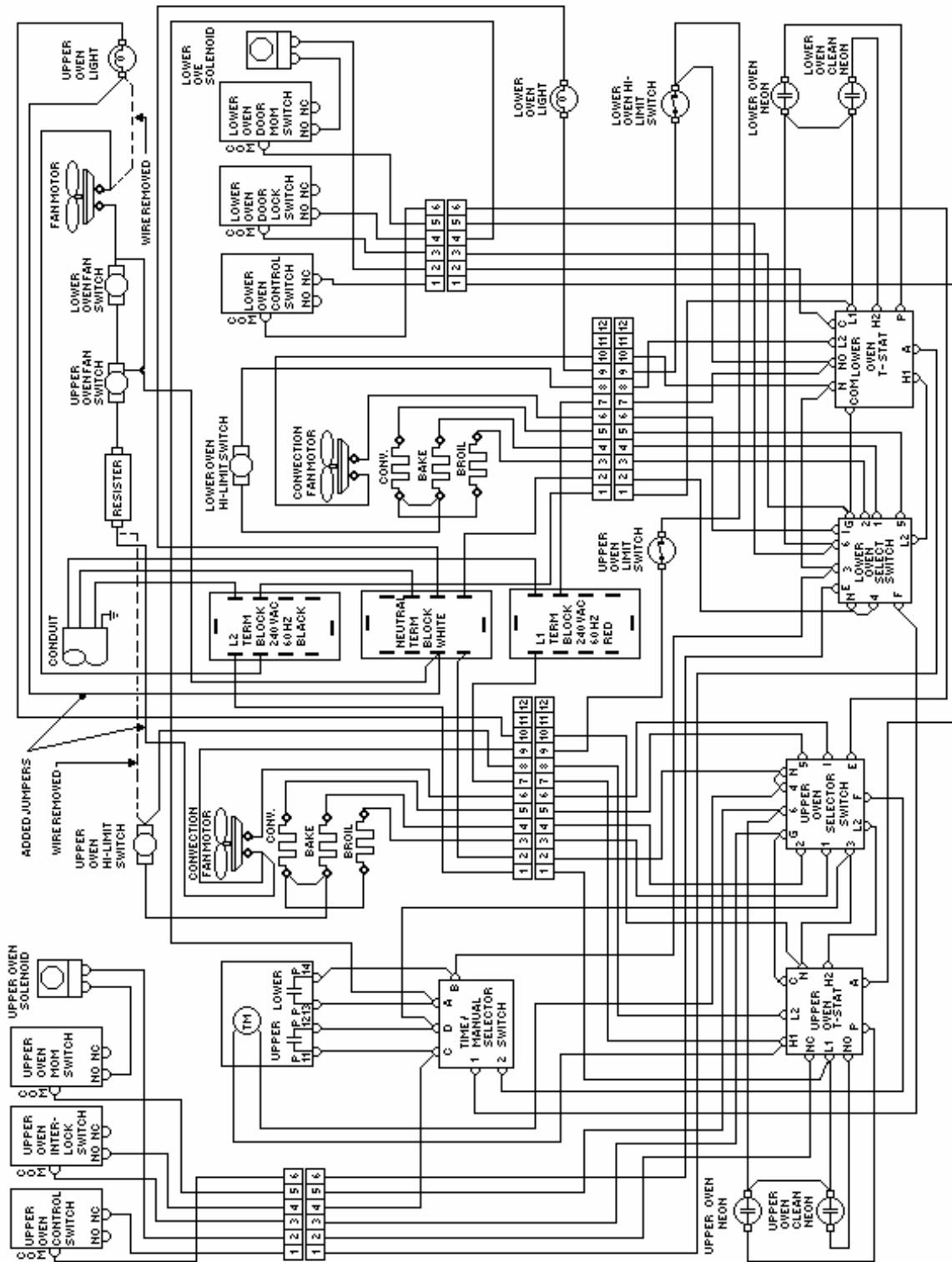
7-POSITION SELECTOR SWITCH

| POSITION | SWITCHING | | | | | |
|-------------|-----------|---|---|----|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
| OFF | L2 | N | N | L2 | E | F |
| CONV. BAKE | O | X | O | X | O | O |
| BAKE | O | X | O | X | O | O |
| CONV. COOK | O | O | O | O | X | X |
| CLEAN | X | O | X | O | X | O |
| BROIL | X | O | O | O | X | O |
| CONV. BROIL | X | O | O | O | X | X |

X-CLOSED
O-OPEN
360° CONTINUOUS ROTATION

WARNING ELECTRICAL SHOCK HAZARD - DISCONNECT POWER AT MAIN FUSE OR CIRCUIT BREAKER BEFORE SERVICING. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.

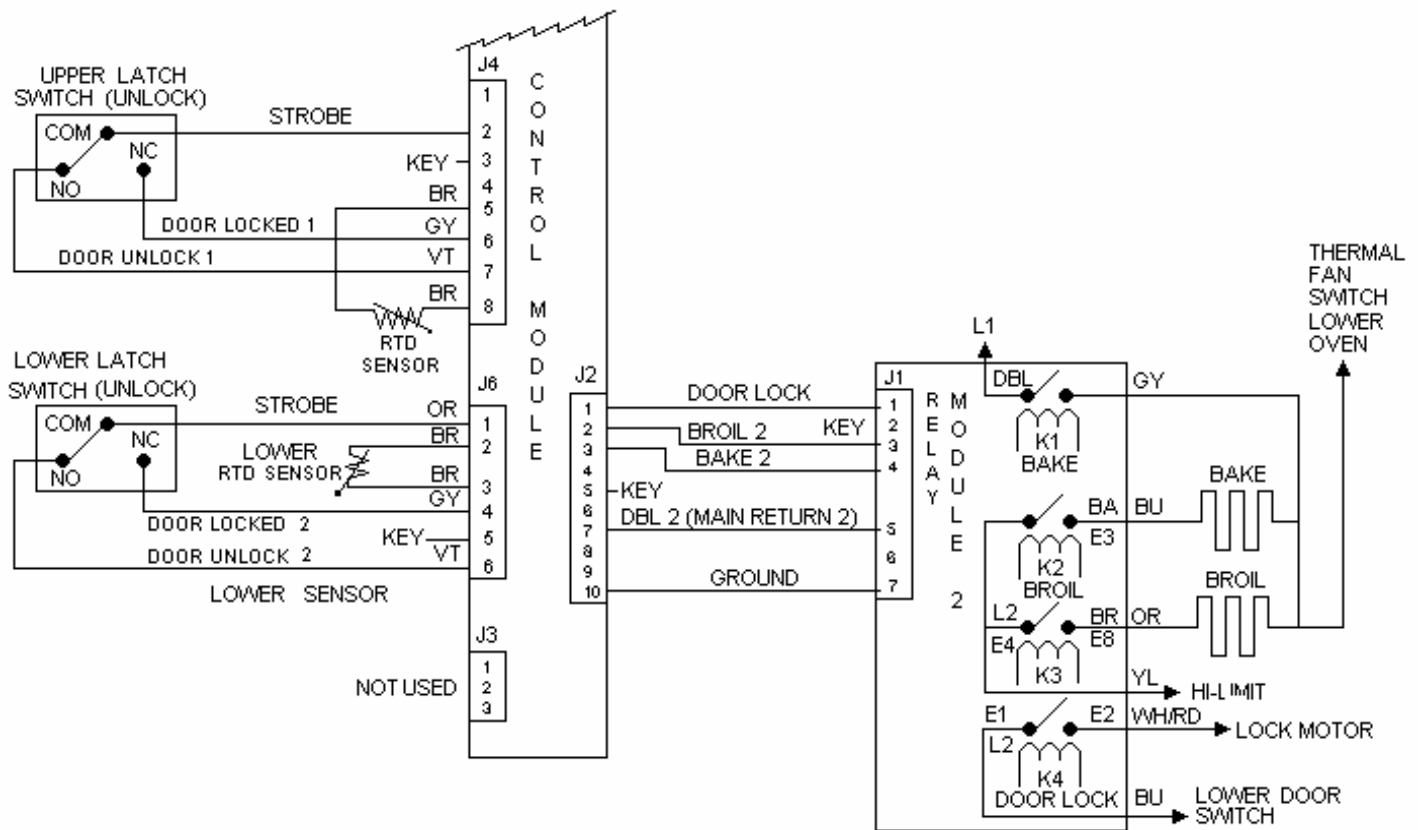
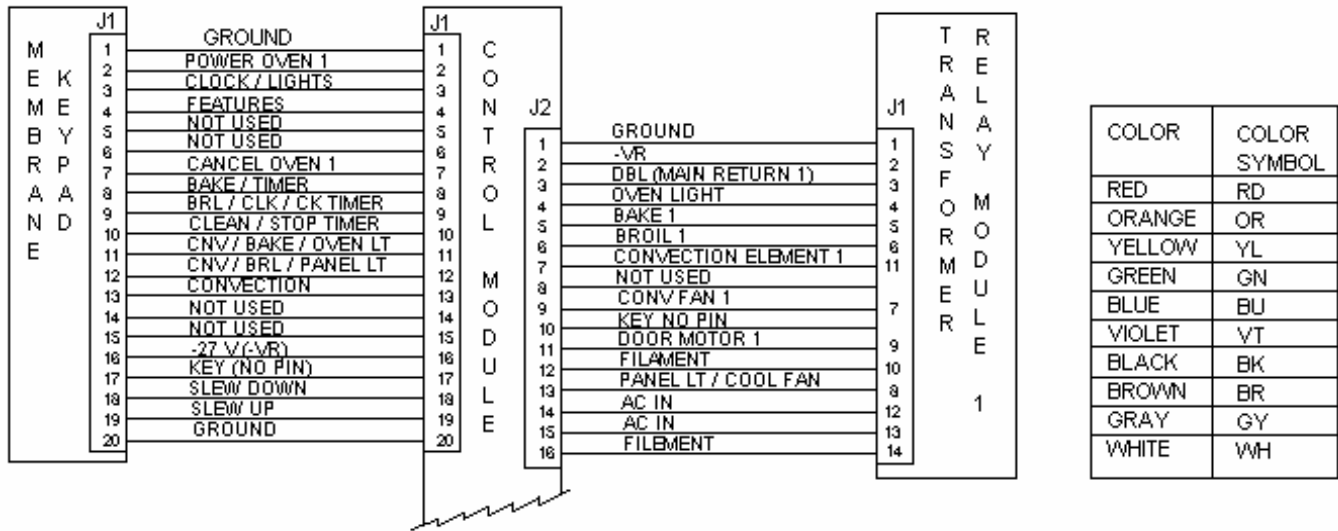
VEDO WIRING SCHEMATIC





To avoid risk of electrical shock, personal injury or death, disconnect power before servicing, unless testing requires it.

COMPONENT TESTING INFORMATION (BLOCK DIAGRAM) VEDO273



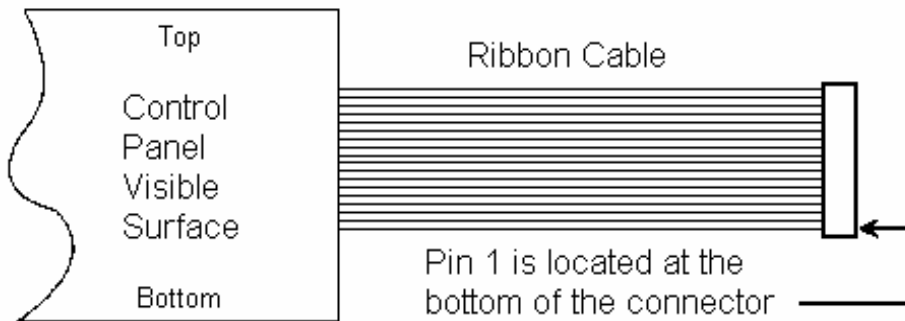
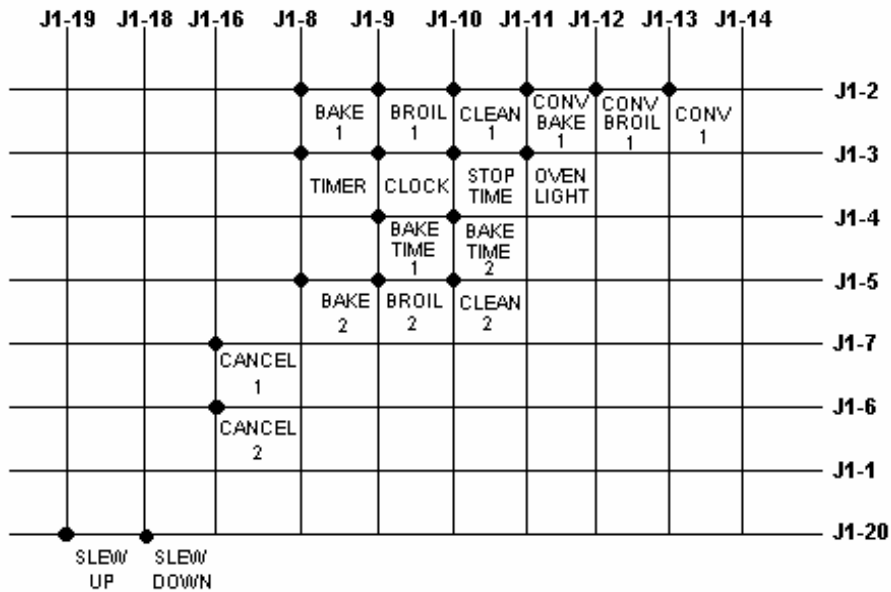


To avoid risk of electrical shock, personal injury or death, disconnect power before servicing, unless testing requires it.

VEDO273

COMPONENT TESTING INFORMATION

Continuity is indicated as 100 and below. Each pad must be press to perform the following test.

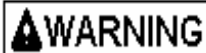


Element Cycle

Relay drive requirements are as a percentage of on time based on a 60 second cycle.

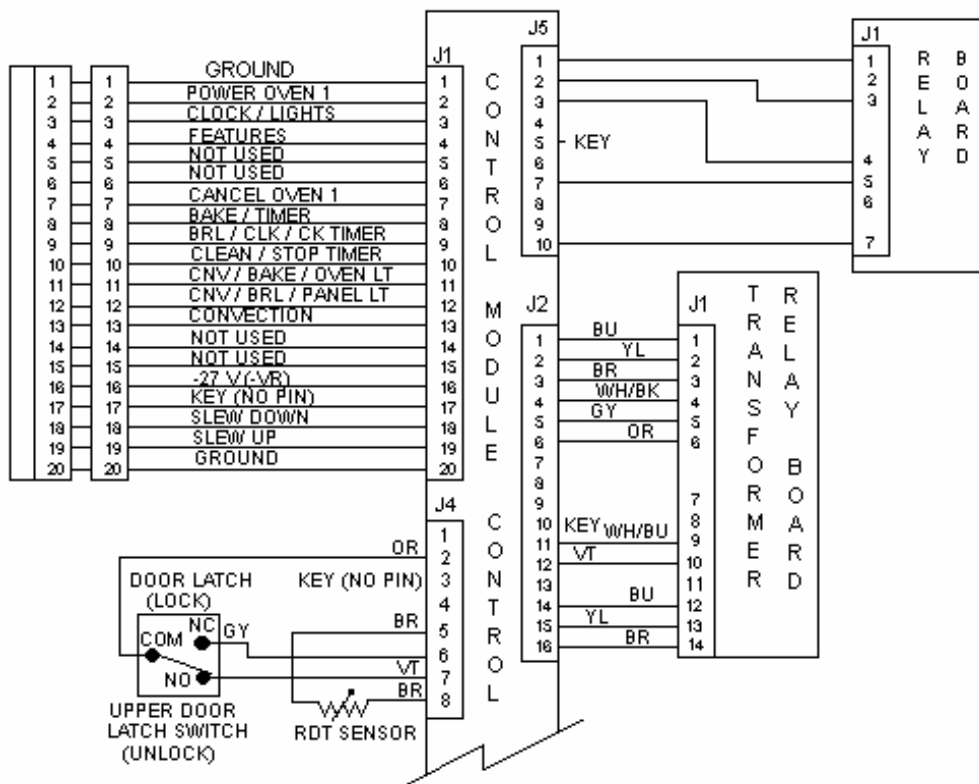
| | |
|------------------|---|
| Bake | First rise = 100% bake, 50% broil, then 100% bake, 25% broil. |
| Broil | 0% bake, 100% broil |
| Clean | Stage 1 - 100% broil, 0% bake, for 15 minutes. Stage 2 - 25% broil, 100% bake. |
| Convection | First rise = 100% bake, 50% broil, then 100% convection element and 100% convection fan*. |
| Convection bake | Same as bake plus 100% convection fan*. |
| Convection broil | Same as broil plus 100% convection fan*. |

*- Convection fan is de-energized when the oven door is opened.

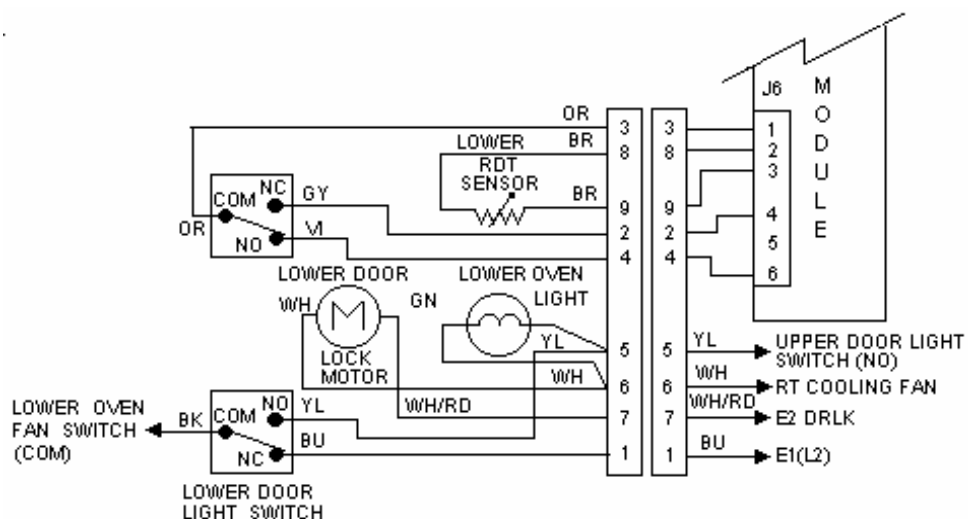


To avoid risk of electrical shock, personal injury, or death, disconnect power to unit before servicing.

VEDO273 COMPONENT TESTING INFORMATION



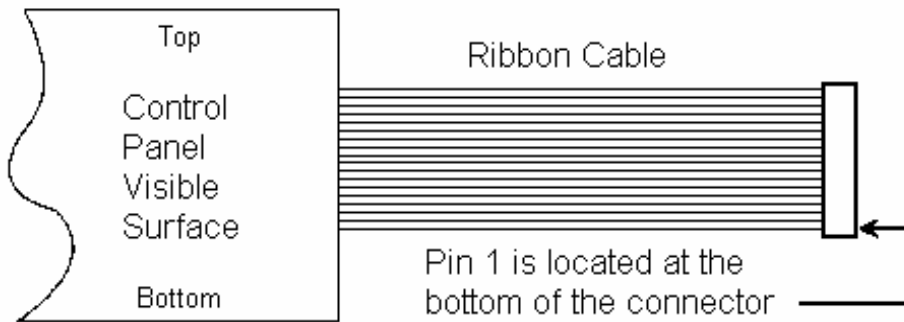
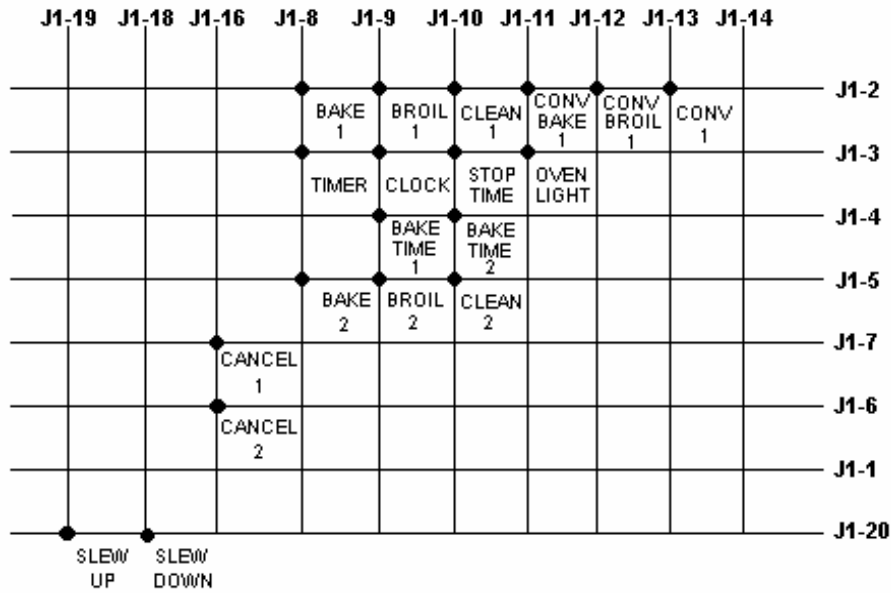
| COLOR | COLOR SYMBOL |
|--------|--------------|
| RED | RD |
| ORANGE | OR |
| YELLOW | YL |
| GREEN | GN |
| BLUE | BU |
| VIOLET | VT |
| BLACK | BK |
| BROWN | BR |
| GRAY | GY |
| WHITE | WH |



WARNING To avoid risk of electrical shock, personal injury, or death, disconnect power to unit before servicing.

**VEDO273
COMPONENT TESTING INFORMATION**

Continuity is indicated as 100 and below. Each pad must be pressed to perform the following test.

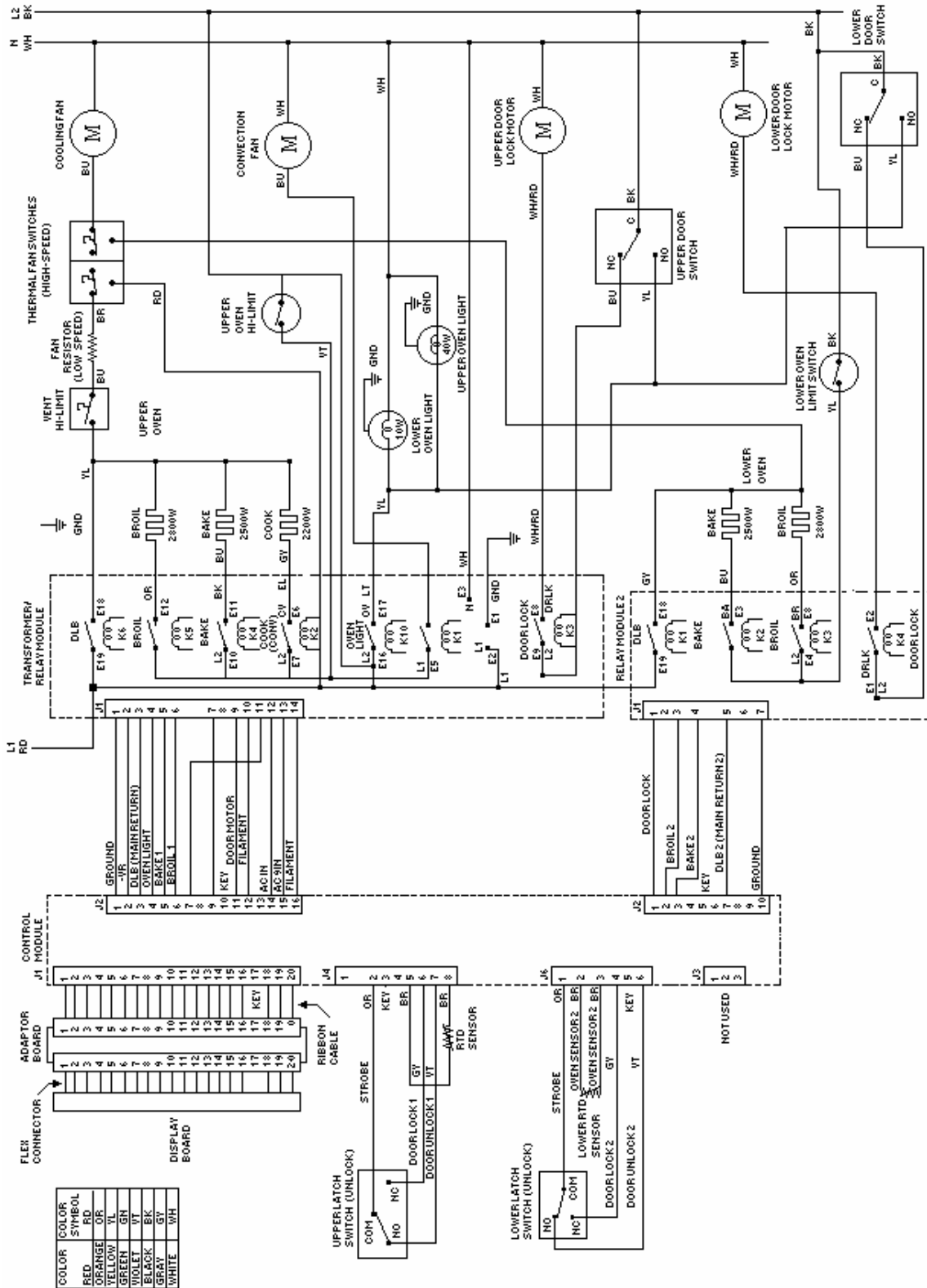


Requirements

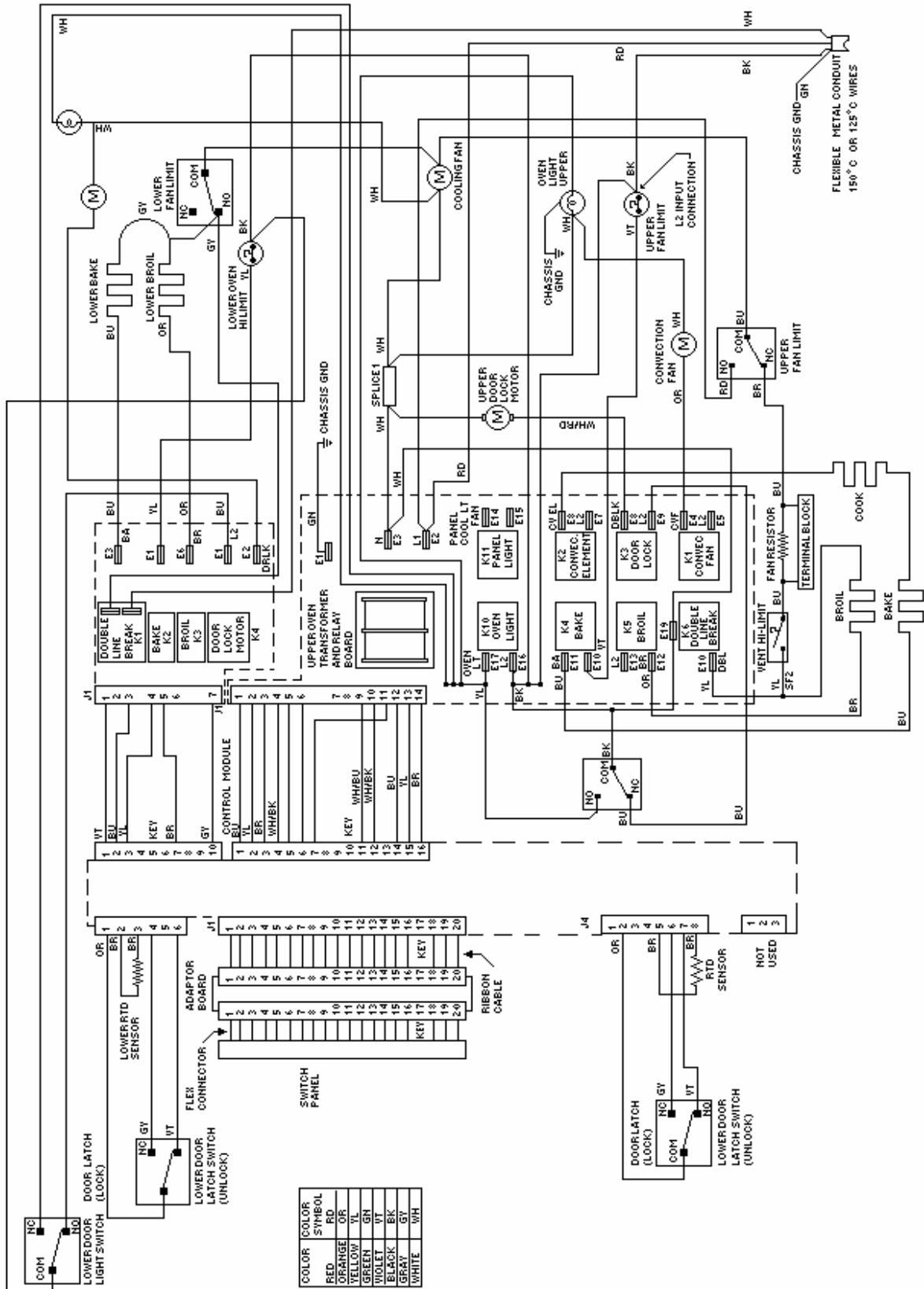
Relay drive requirements are defined as a percentage of on time based on a 60 second cycle.

- Bake 100% bake
- Broil 100% broil
- Clean Stage 1 - 100% broil, 0% bake, for 30 minutes
Stage 2 - 0% broil, 100% bake

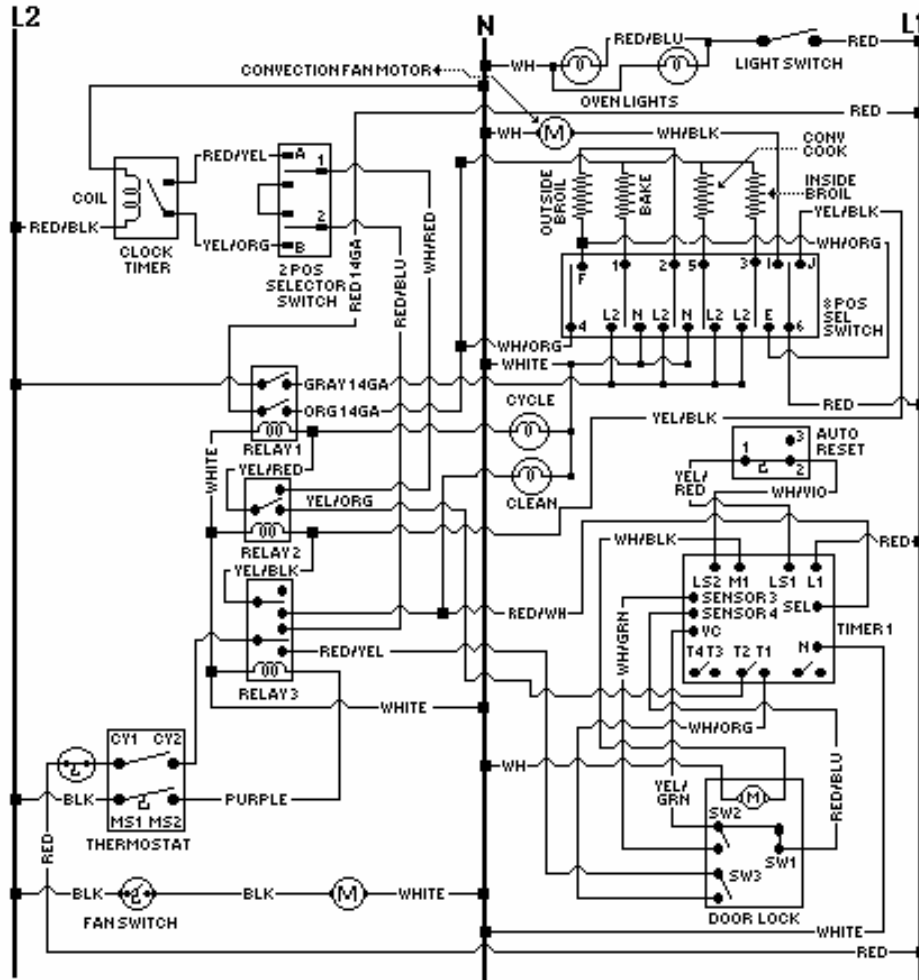
WIRING DIAGRAM (SCHEMATIC) BUILT-IN ELECTRIC 27" DOUBLE OVEN VEDO273

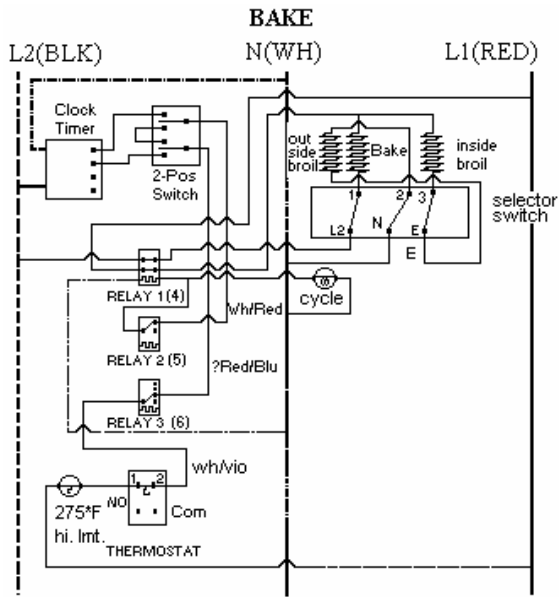


WIRING DIAGRAM BUILT-IN ELECTRIC 27" W. DOUBLE OVEN VEDO273

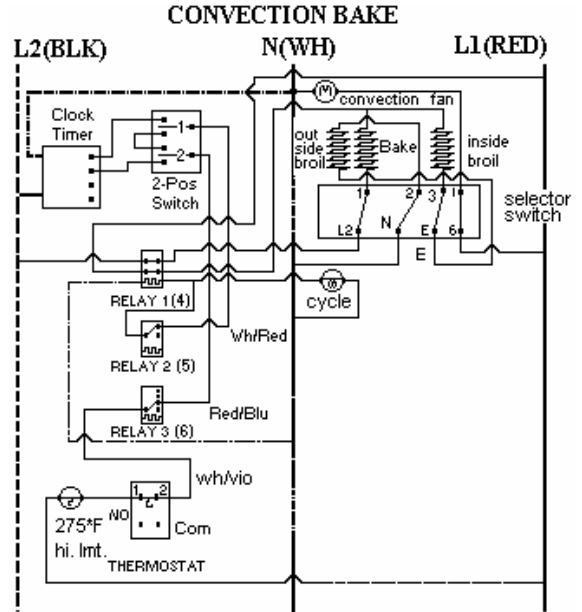


**WIRING DIAGRAM
BUILT-IN ELECTRIC OVEN (VESO105 / DESO100)**

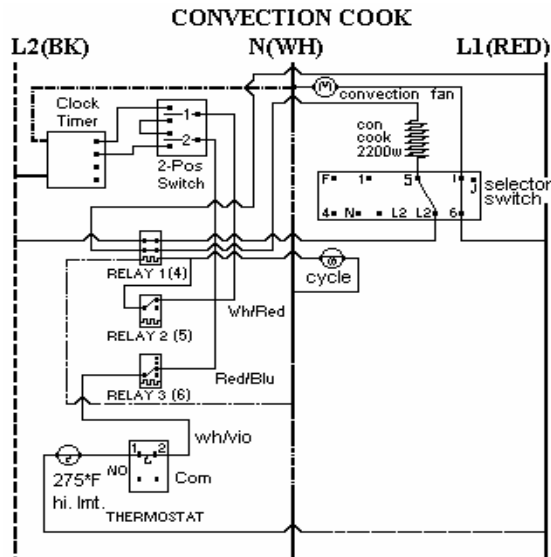




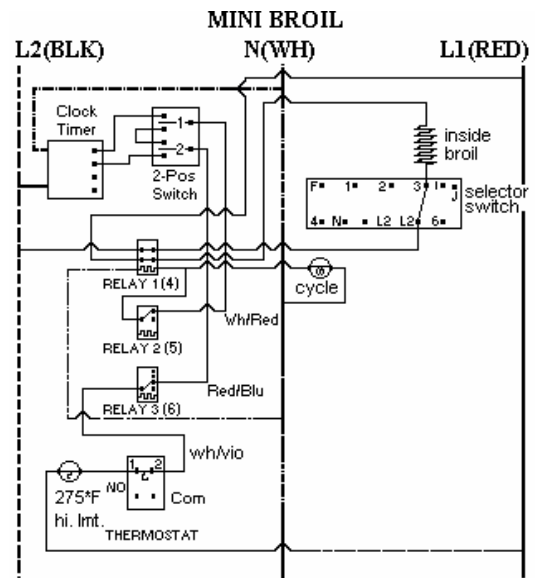
SELECT BAKE position closes switches 1-L2, 2-N, and 3-E. The thermostat closes switches Cy1-Cy2, which cycles with oven temperature powering relay 1 and the oven cycle light. When relay 1 closes, it powers the bake element at 208/240 VAC, and with the broil element in series across a 120VAC circuit, it powers the inside broil element at 70VAC and the outside broil element at 50VAC.



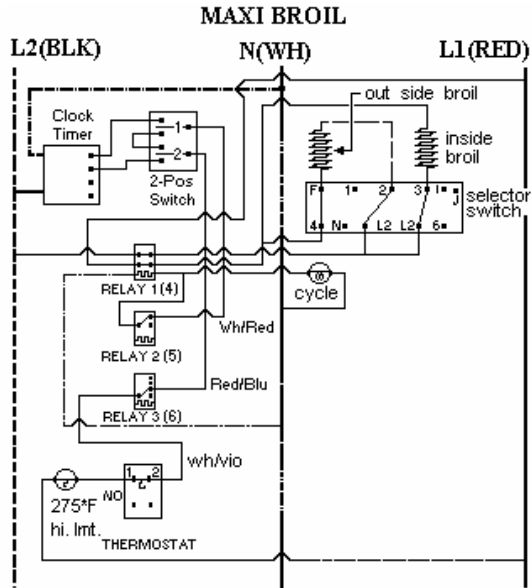
SELECT CONVECTION BAKE position closes switches 1-L2, 2-N, 3-E, and 6-1. 6-1 powers the convection fan through L1 at 120VAC. The thermostat closes switch Cy1-Cy2, which cycles with oven temperature powering relay 1 and the oven light. When relay 1 closes, it powers the bake element at 208/240VAC, and with the broil element in series across a 120VAC circuit, it powers the inside broil element at 70VAC and the outside broil element at 50VAC at 208/240VAC.



SELECT CONVECTION COOK position closes switches 5-L2 and 6-1. 6-1 powers the convection fan through L1 at 120VAC. The thermostat closes switches Cy1 - Cy2, which cycles with oven temperature, powering relay 1 and the oven light. When relay 1 closes, it powers the convection element

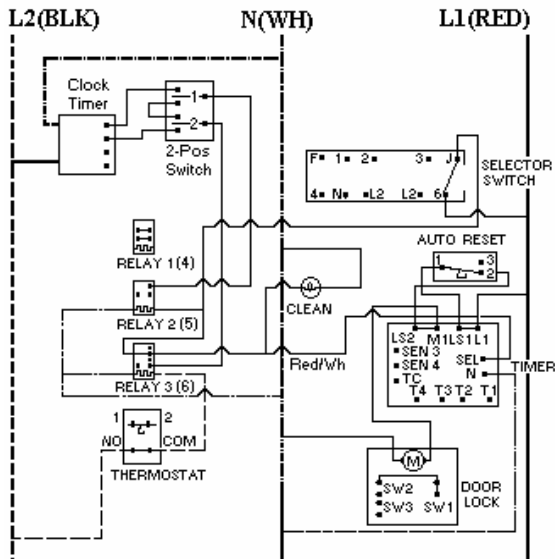


SELECT MINI BROIL position closes switches 3-L2. The thermostat closes switch Cy1-Cy2, powering relay 1 and the oven cycle light. When relay 1 closes, it powers the inside broil element at 208/240VAC.

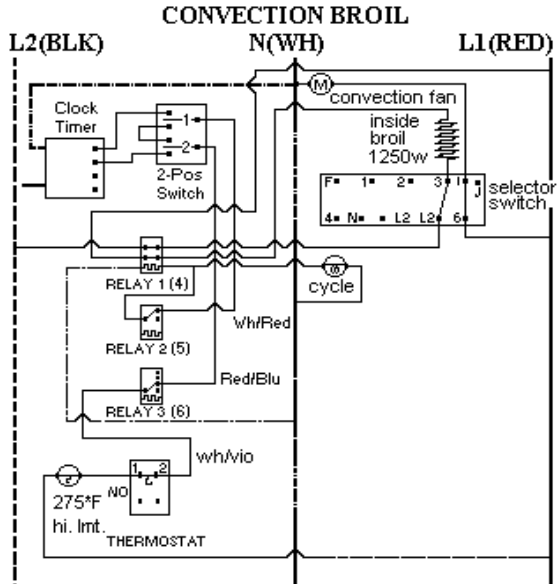


SELECT MAXI-BROIL position closes switches 4-F, 2-L2, and 3-L2. The thermostat closes switch Cy1-Cy2, which cycles with oven temperature, powering relay 1 and the oven cycle light.. when relay 1 closes, it powers the inside broil element at 208/240VAC and the outside broil element at 208/240VAC.

CLEAN INITIATE UNTIL DOOR LOCK

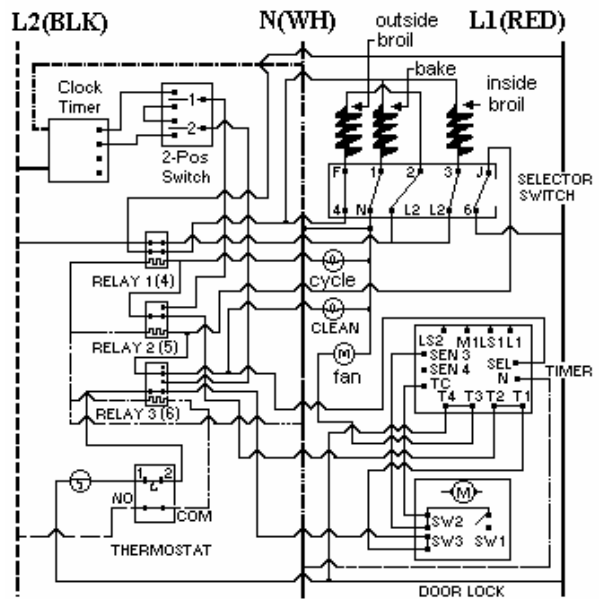


SELECT CLEAN position closes heating element circuits 4-F, 1-N, 2-L2, 3-L2 and door lock module / timer circuit J6 switches relay2. Thermostat clean position closes the cycle switch and thermostat clean switch, which switches relay 3. Switching relay 3 allows circuit J-6 to turn on the clean indicator light and enable the door lock module / timer which closes relay LS-L1 and LS2-M1. 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.



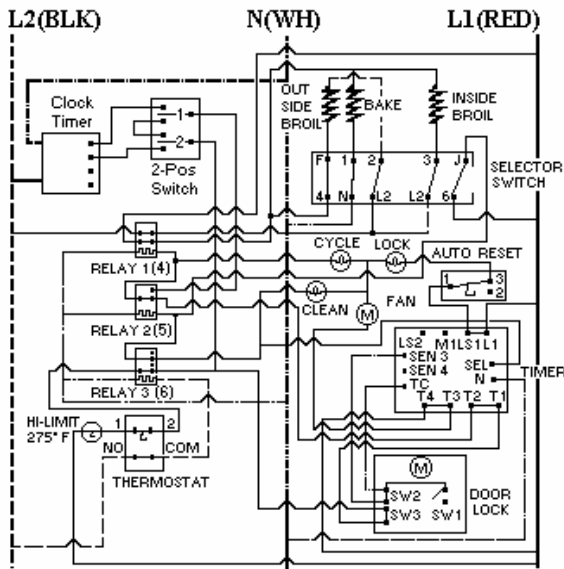
SELECT CONVECTION BROIL position closes switches 4-F, 2-L2, 3-L2 and 6-1. 6-1 powers the convection fan through L1 at 120VAC. The thermostat closes switch Cy1-Cy2, which cycles the oven temperature, powering relay 1 and the oven cycle light. When relay 2 closes it powers the inside broil element at 208/240VAC and the outside broil element at 208/240VAC.

CLEAN DOOR LOCK BELOW 575° F ± 25° F



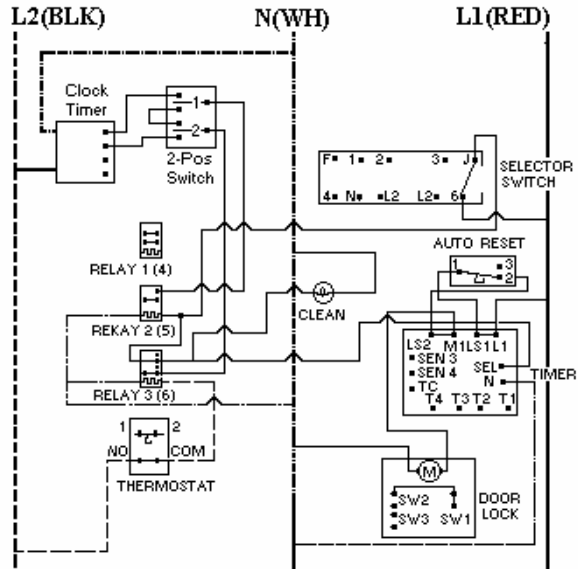
10 seconds after the signal to sensor #3, switch LS2-M1 is opened, stopping the door lock motion and switches T1-T2 and T3-T4 which switches relay 1, powering the cooling fan, which closes relay 1 powering the inside and outside broil elements at 208/240VAC and the bake element to 120VAC.

CLEAN DOOR LOCK ABOVE 575° F ± 25° F



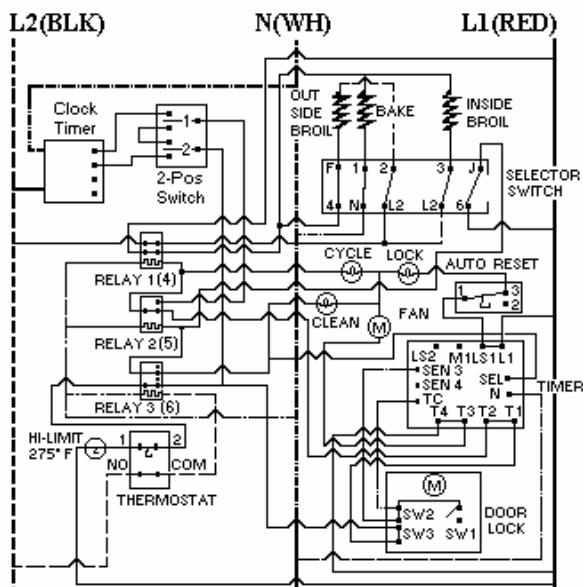
AUTO RESET switches to 1 – 3 which turns door lock indicator light on and disables door lock motor circuit.

CLEAN FINISH DOOR LOCK BELOW 575° F ± 25° F



AUTO reset switches 1 – 2 closed allowing the door lock motor to operate and turning the door lock light off. The door lock motor operates until 2 seconds after sensor 4 is signaled by VC that the door lock SW1 has been closed mechanically by the door lock bolt. The door lock / timer switches LS2 – M1 and LS1 – L1 open and the timer resets.

CLEAN DOOR LOCK ABOVE 575° F ± 25° F

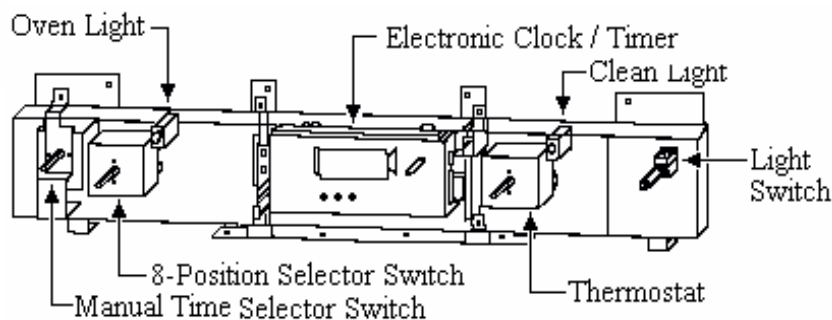
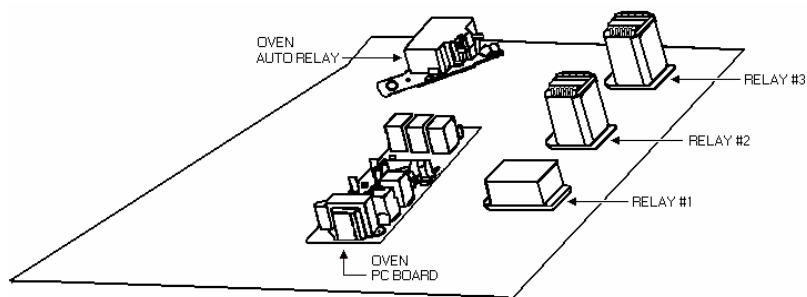
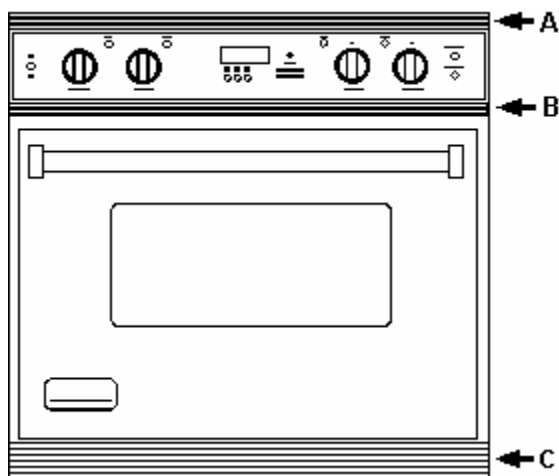


TIMER switches T3 – T4, T1 – T2 open, turning off the cooling fan, which will then be powered at 120VAC by the fan limit switch when needed, and opening the circuit to relay 1 which disables the heating elements. Switch LS2 – M1 closes to power the door lock Motor.

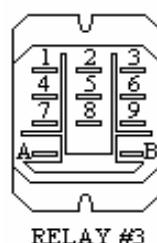
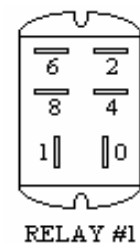
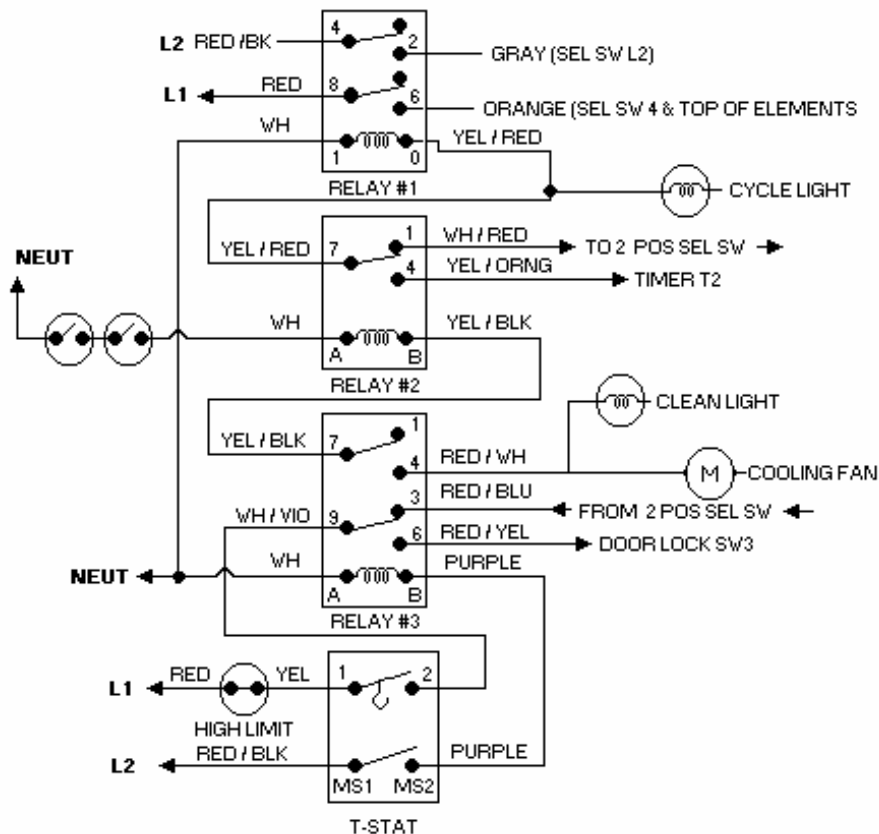
(BEFORE JUNE 2001)

VESO105 SINGLE SELF-CLEAN WALL OVEN

Relay location and wiring connections

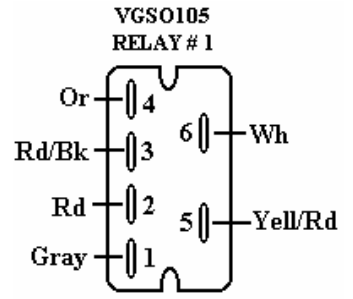
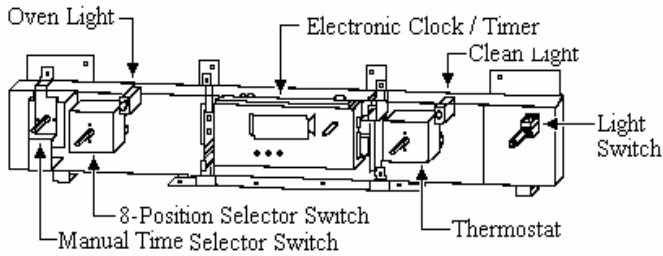
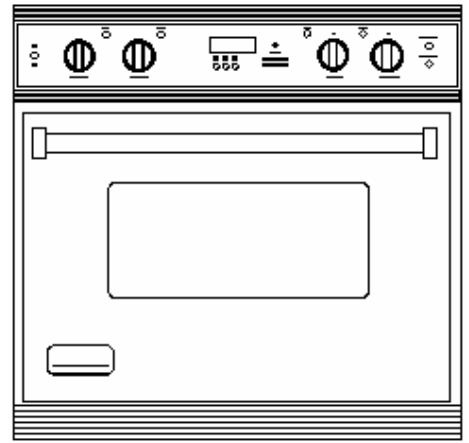
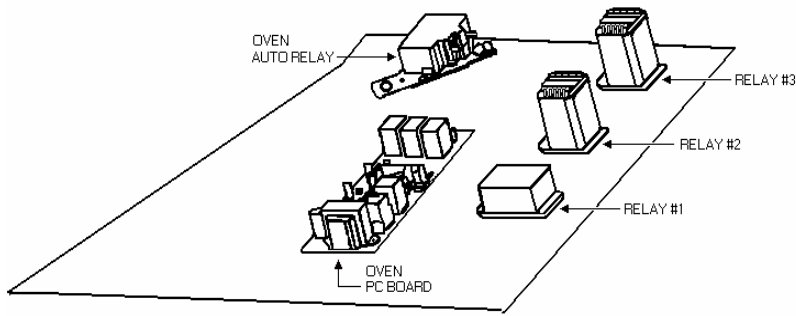


VESO 105 / VEDO 205 TOP OVEN



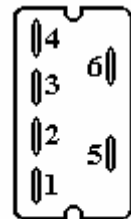
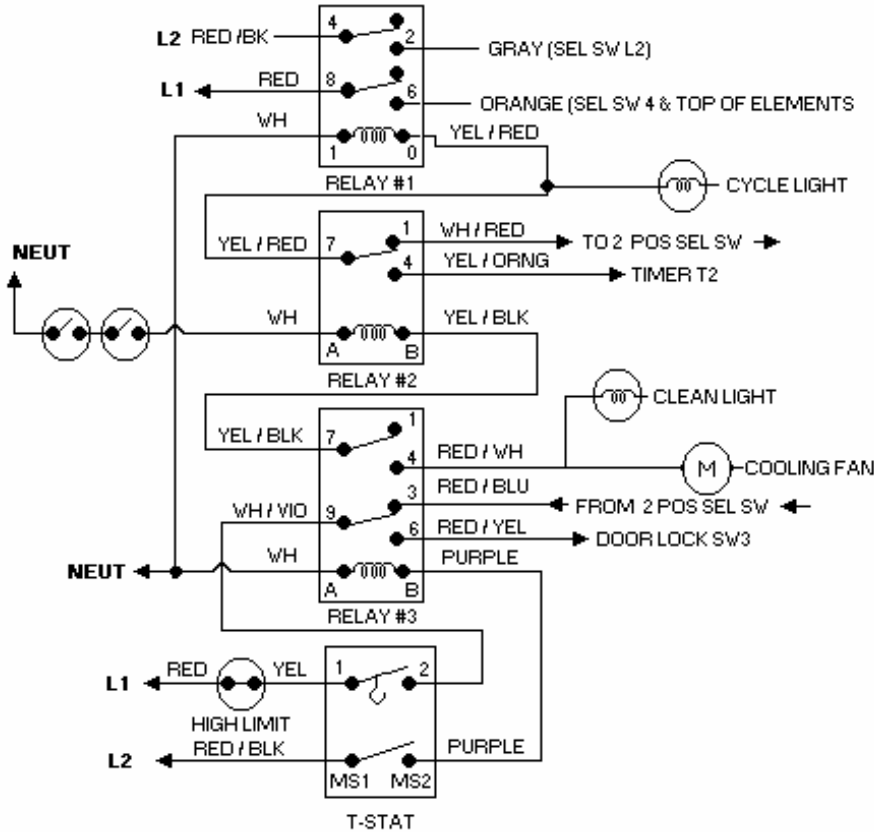
VESO105 SELF-CLEAN WALL OVEN
 Relay location and wiring connections

(After June 2001)

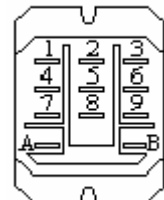


Part # PM010129

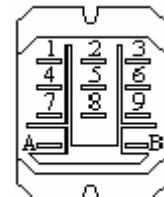
VESO 105 / VEDO 205 TOP OVEN



RELAY #1
Terminal Layout

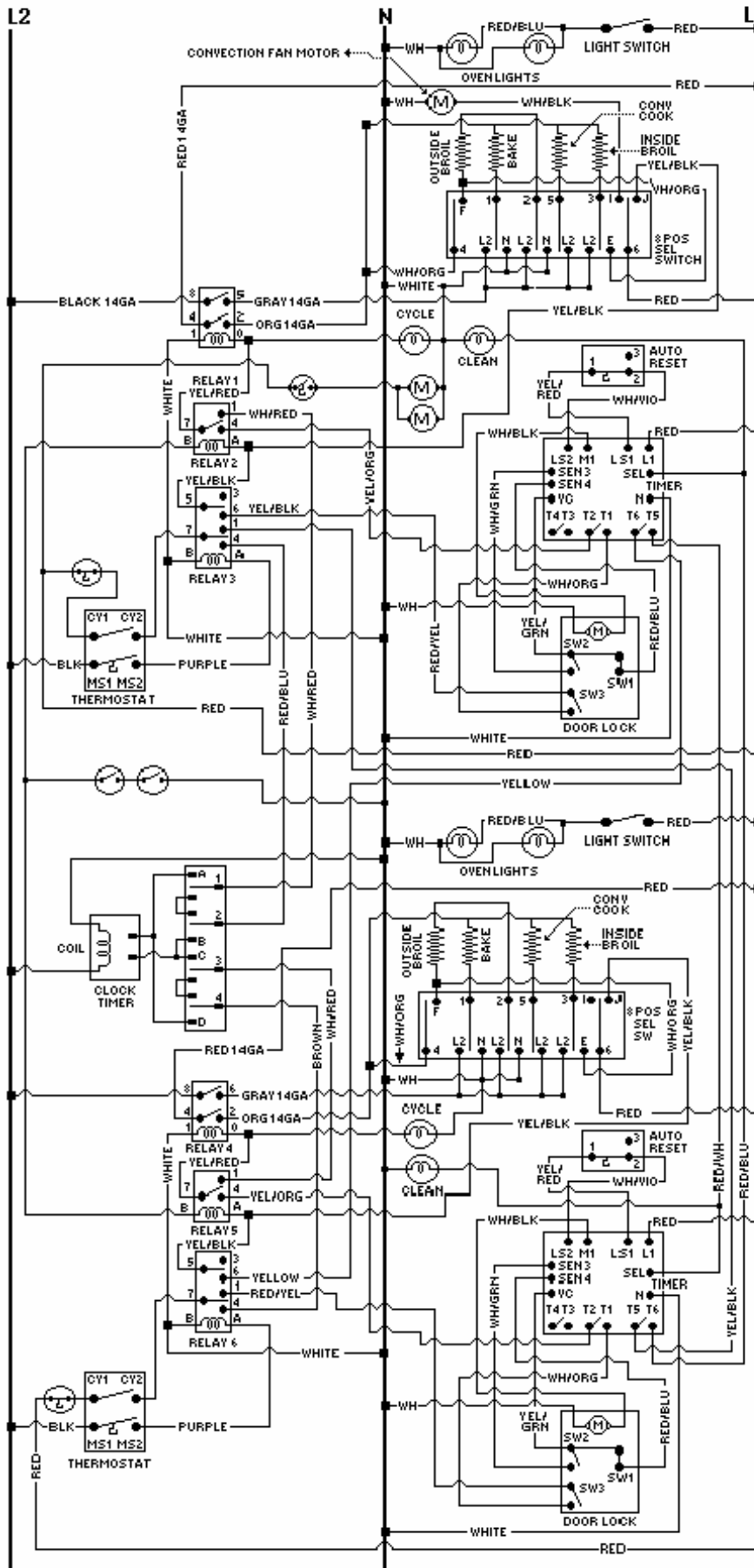


RELAY #2



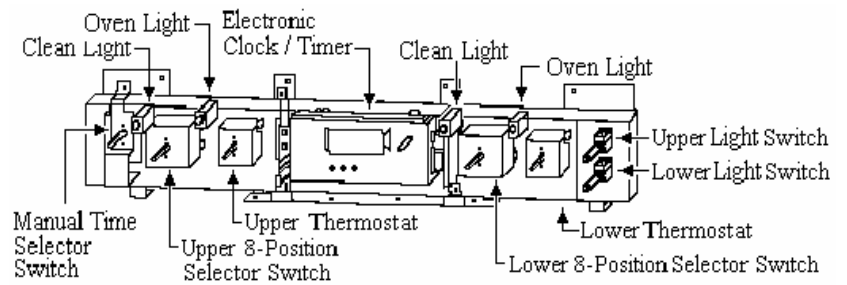
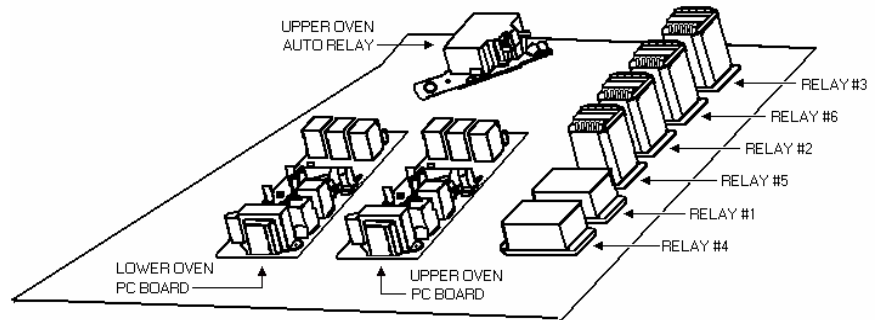
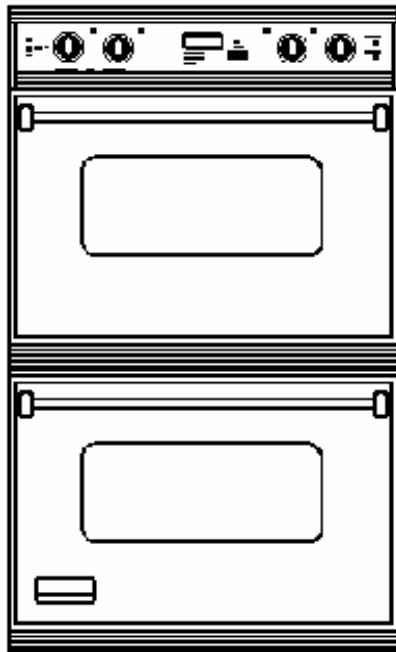
RELAY #3

WIRING DIAGRAM BUILT-ELECTRIC DOUBLE OVEN (VEDO205)

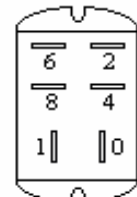
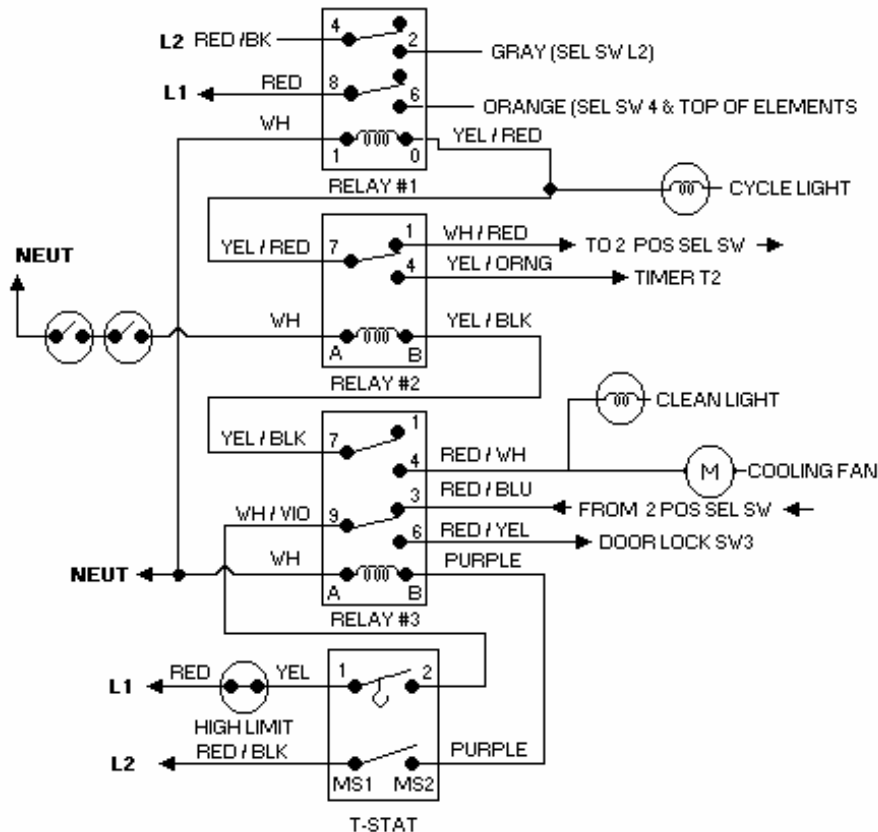


VEDO DOUBLE SELF-CLEAN WALL OVEN

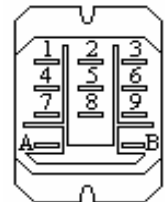
Relay location and wiring connections



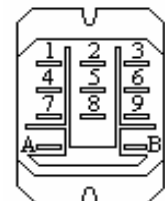
VEDO 105 / VEDO 205 TOP OVEN



RELAY #1



RELAY #2

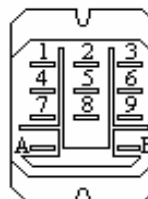
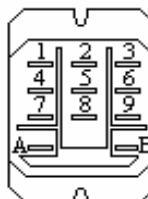
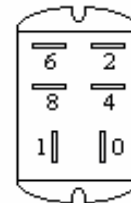
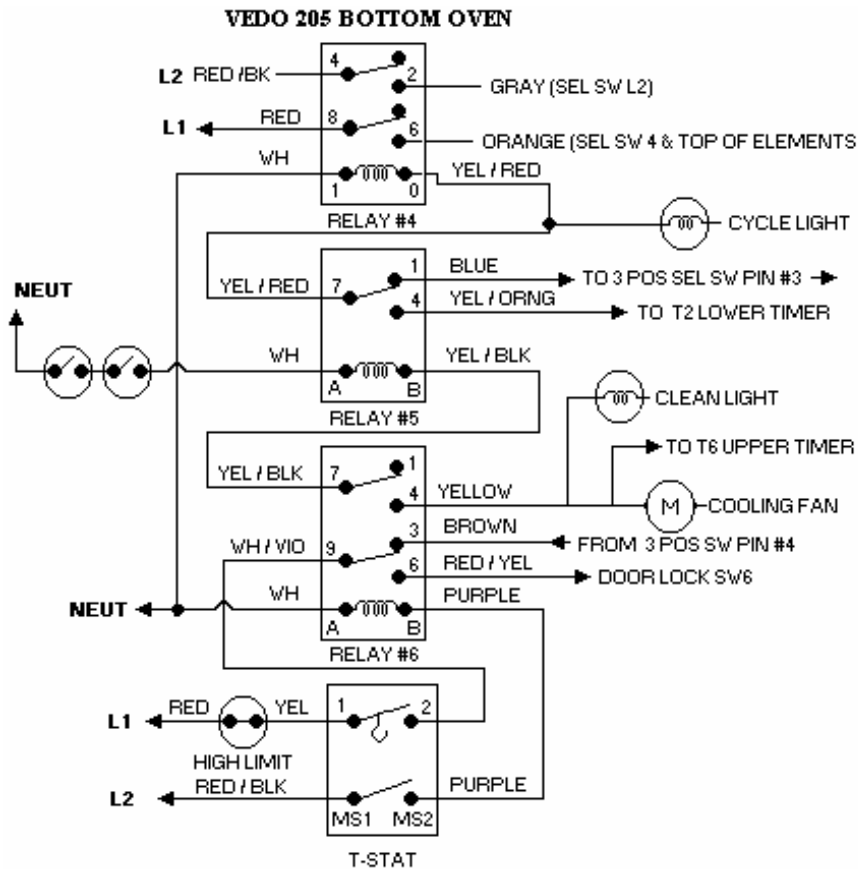


RELAY #3

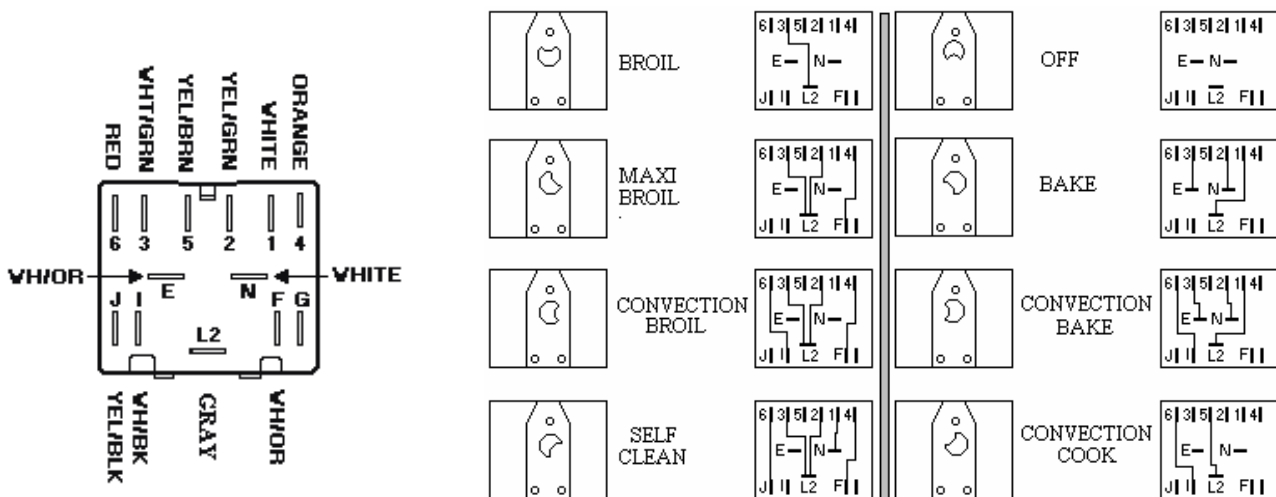
VEDO DOUBLE SELF-CLEAN WALL OVEN

Relay location and wiring connections

VEDO 205 BOTTOM OVEN



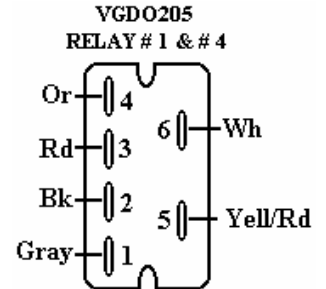
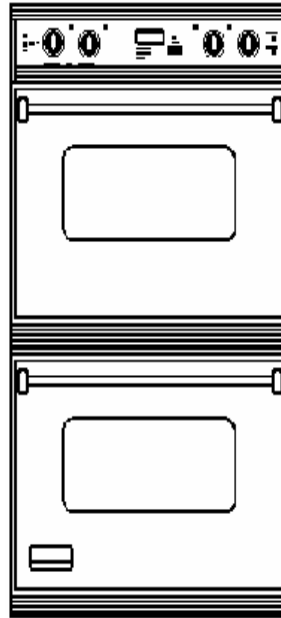
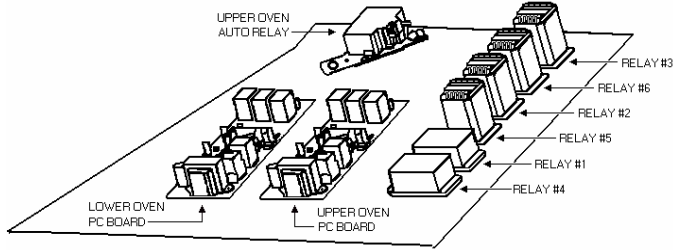
8 Position Selector Switch



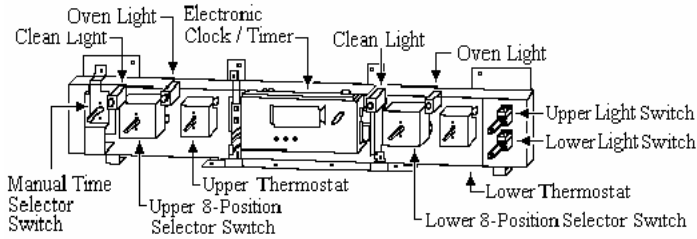
VIKING PREFERRED SERVICE
 ————TECH -- NOTES————

VEDO205 DOUBLE SELF-CLEAN WALL OVEN
 (Relay location and wiring connection.)

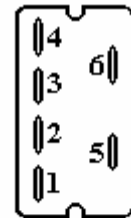
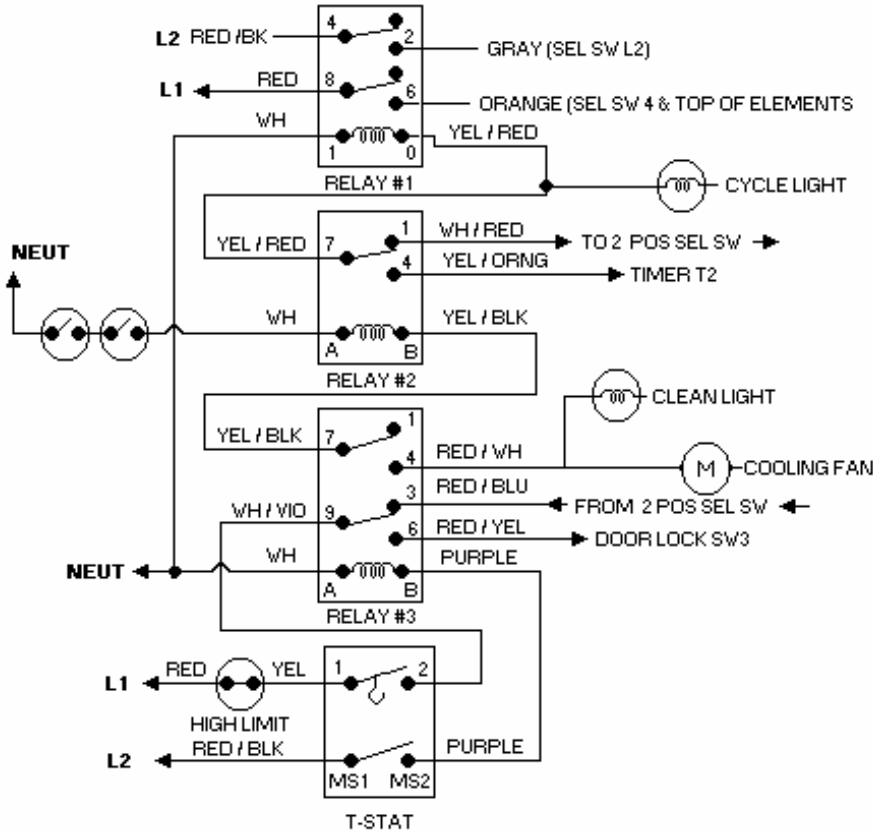
UPDATE AFTER JUNE 2001



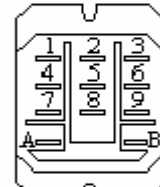
Part # PM010129



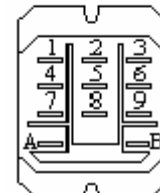
VESO 105 / VEDO 205 TOP OVEN



RELAY #1
 Terminal Layout



RELAY #2



RELAY #3

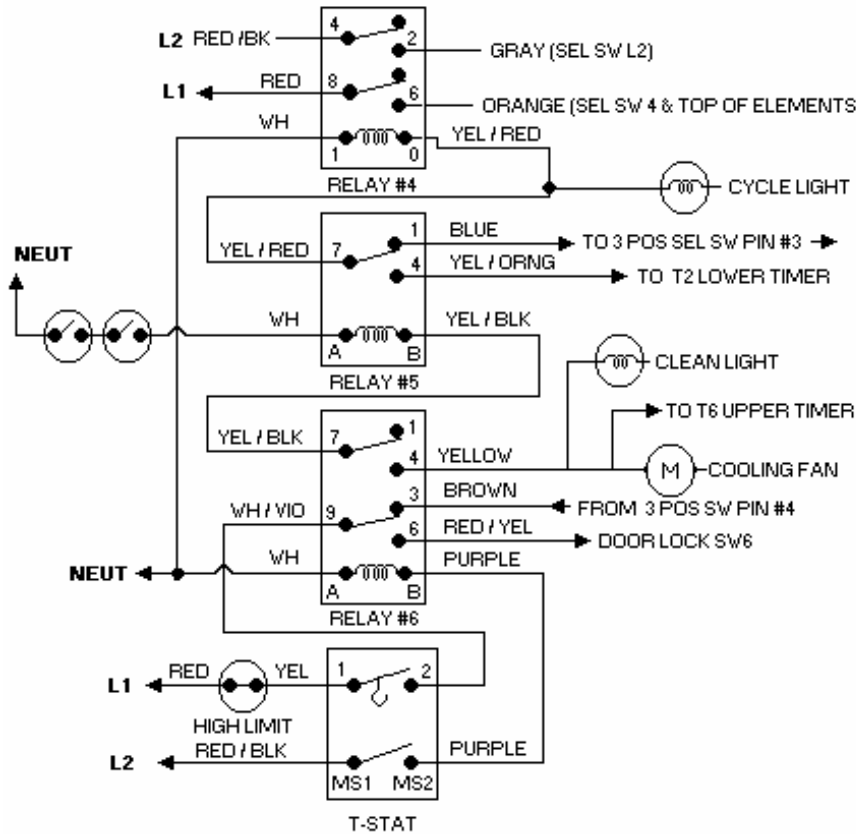
VIKING PREFERRED SERVICE
 TECH -- NOTES

VEDO205 DOUBLE SELF-CLEAN WALL OVEN
 (Relay location and wiring connections)

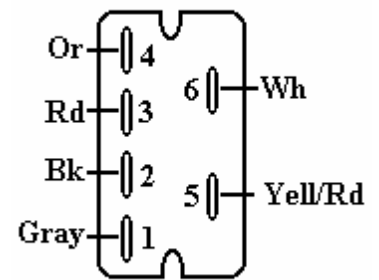
UPDATE JUNE 2001

-----BOTTOM OVEN-----

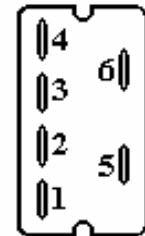
VEDO 205 BOTTOM OVEN



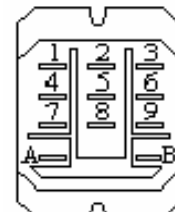
VGDO205
RELAY # 1 & # 4



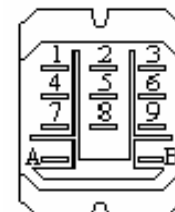
Part # PM010129



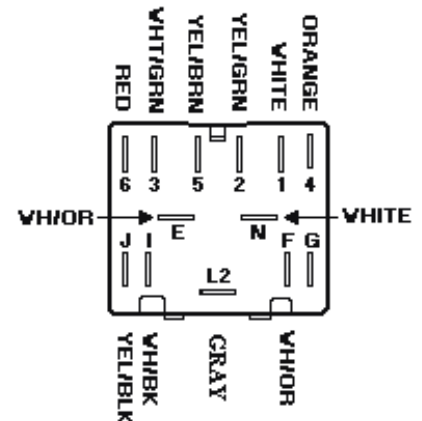
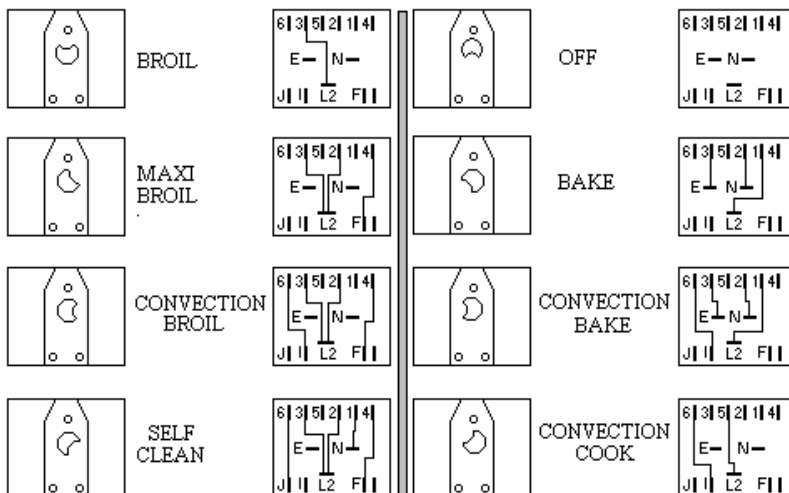
RELAY #4
 Terminal
 Layout



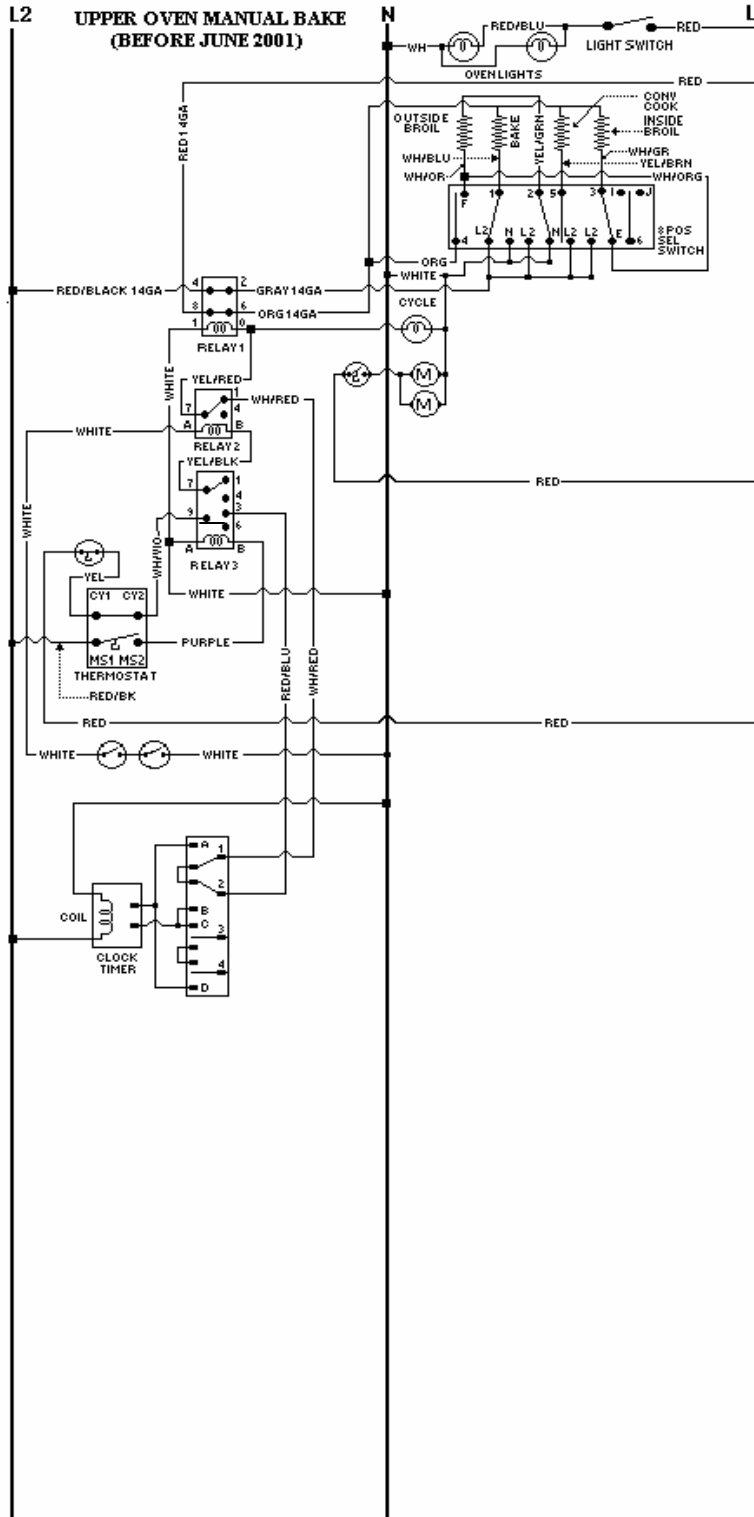
RELAY #5



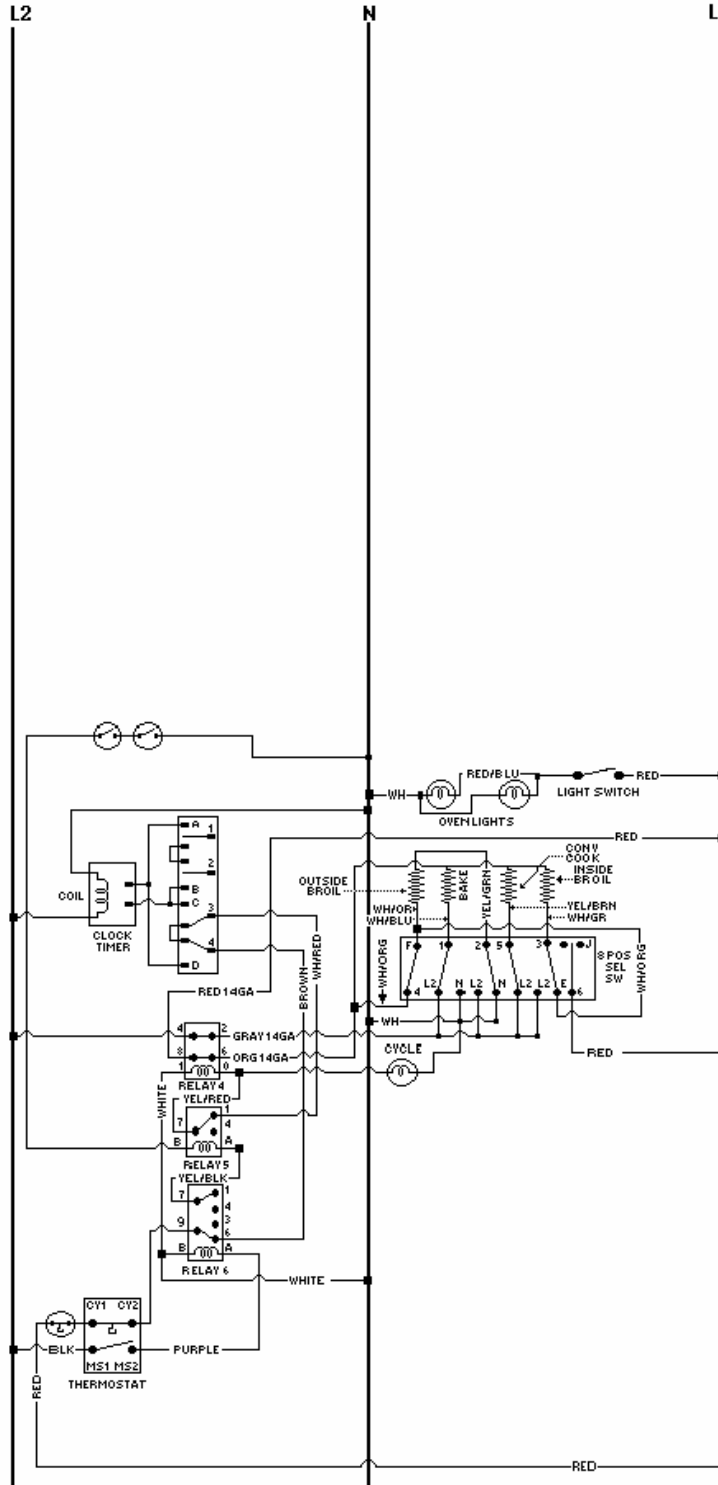
RELAY #6



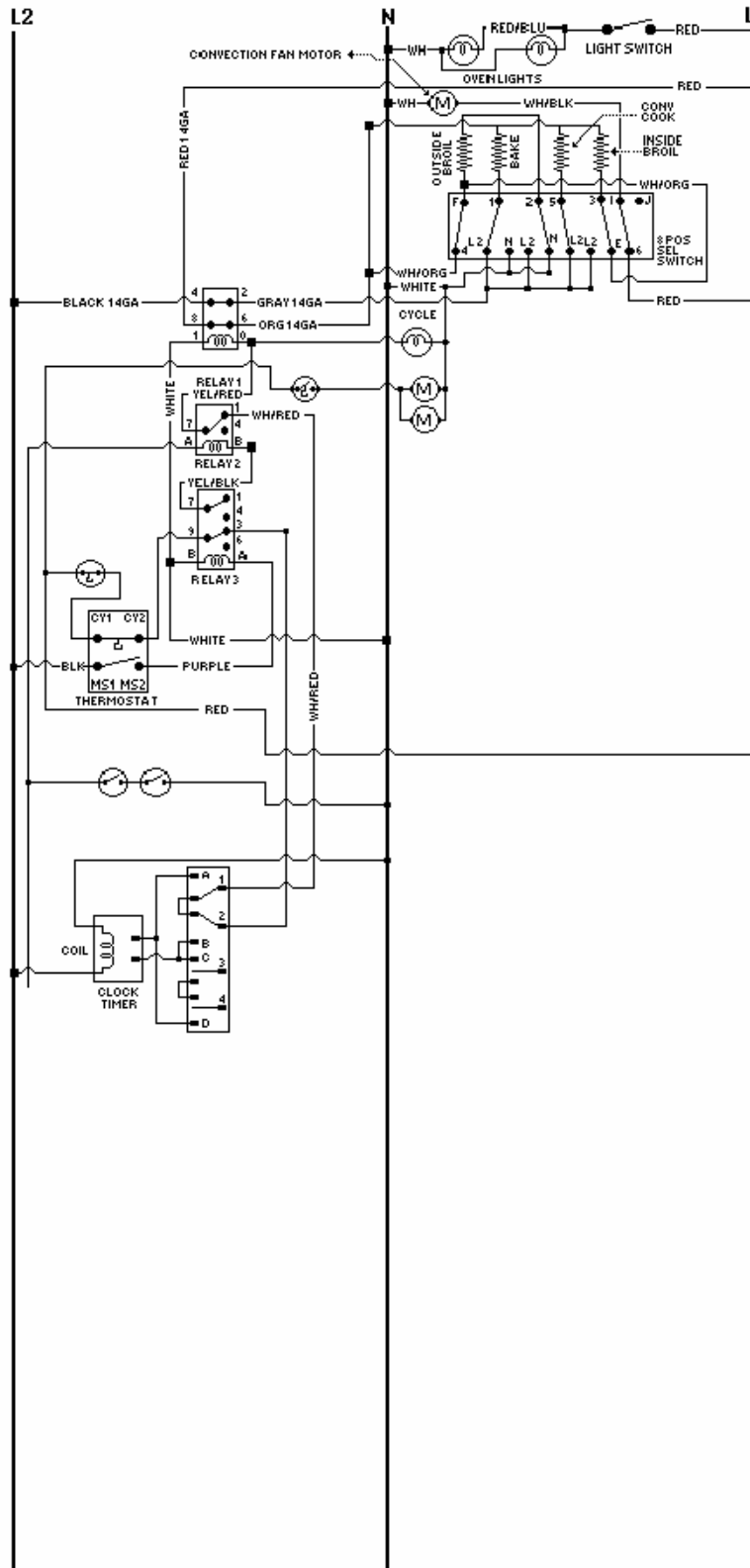
VEDO205 BUILT-IN 30" W. DOUBLE OVEN
UPPER OVEN MANUAL BAKE
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)



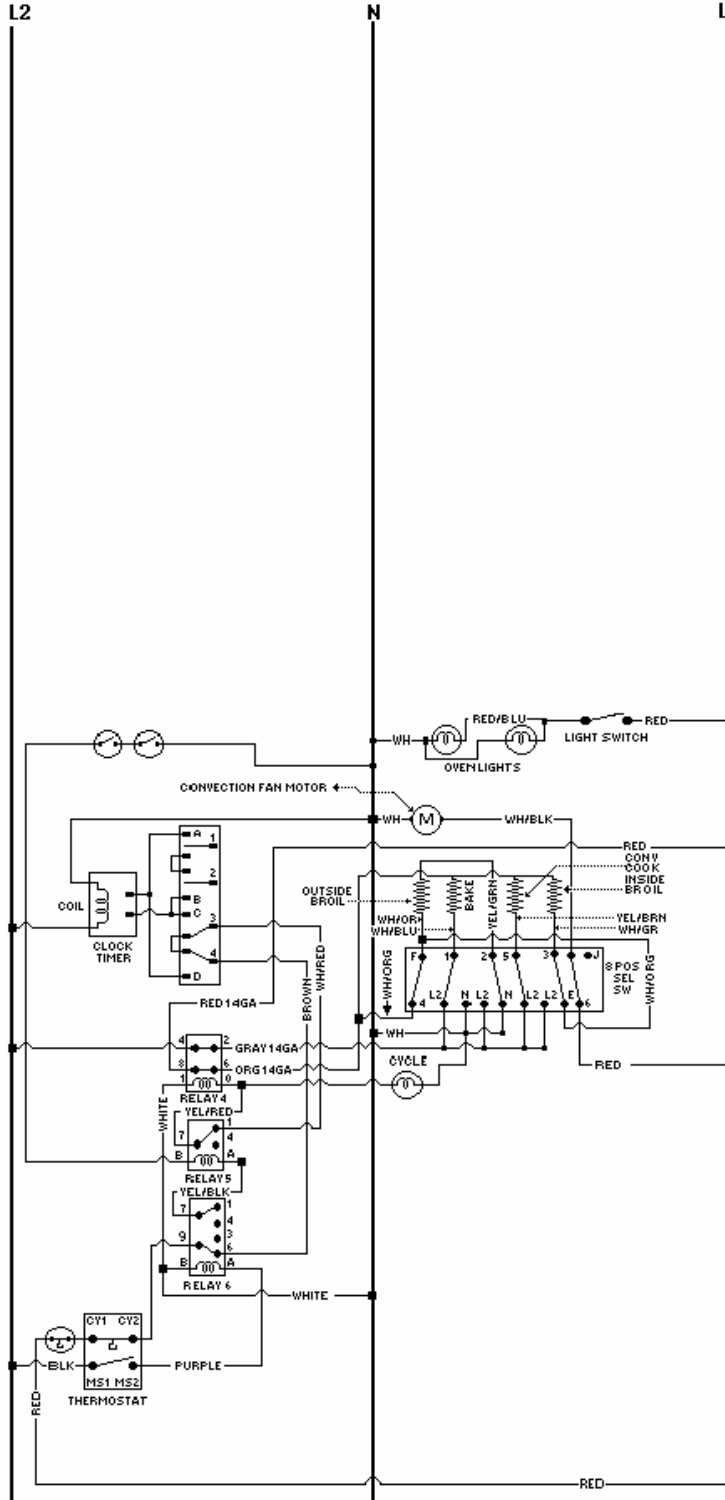
**VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
LOWER OVEN MANUAL BAKE
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)**



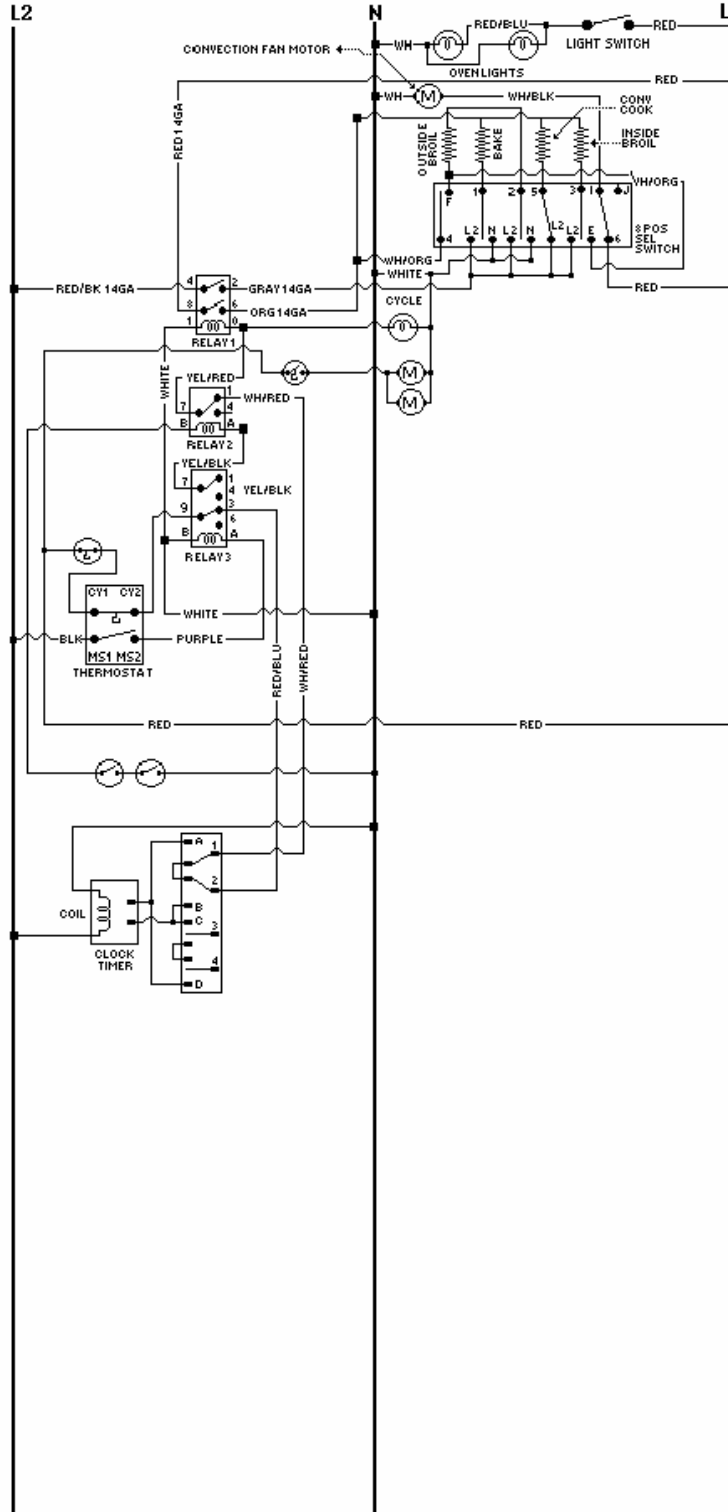
**VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
UPPER OVEN CONVECTION BAKE
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)**



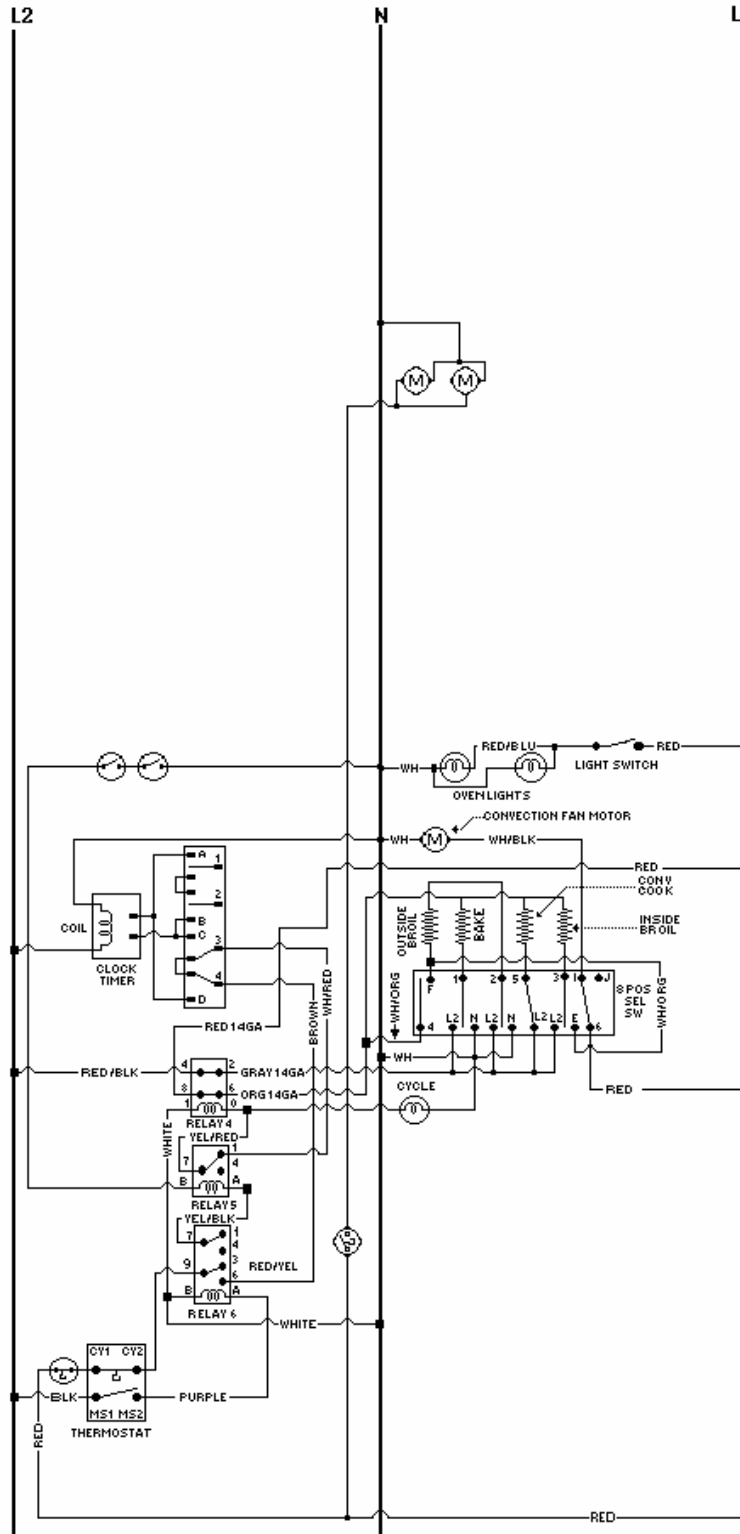
**VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
 LOWER OVEN CONVECTION BAKE
 (BEFORE JUNE 2001 / SEE G-018 & G019 for updates)**



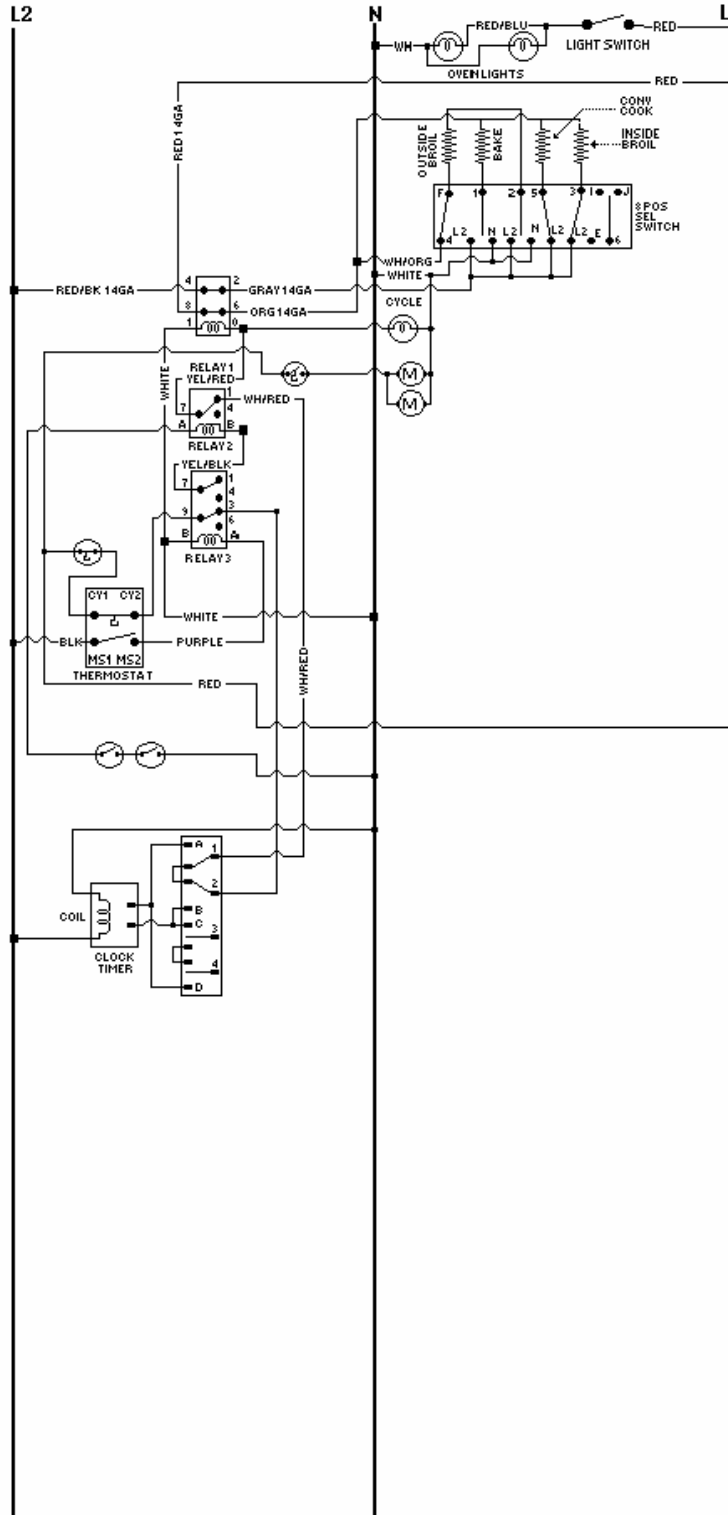
**VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
UPPER OVEN CONVECTION COOK
(BEFOR JUNE 2001 / SEE G-018 & G-019 for updates)**



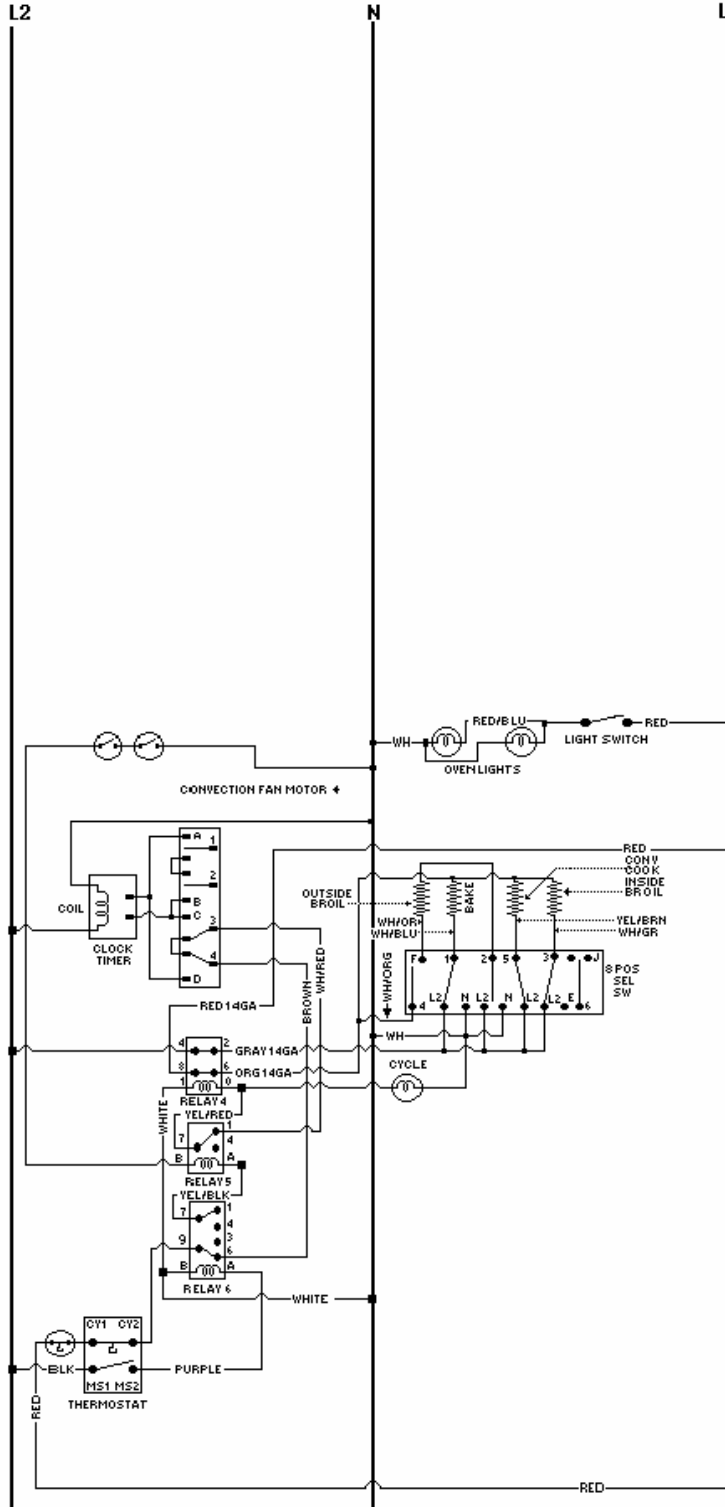
**VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
 LOWER OVEN CONVECTION COOK
 (BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)**



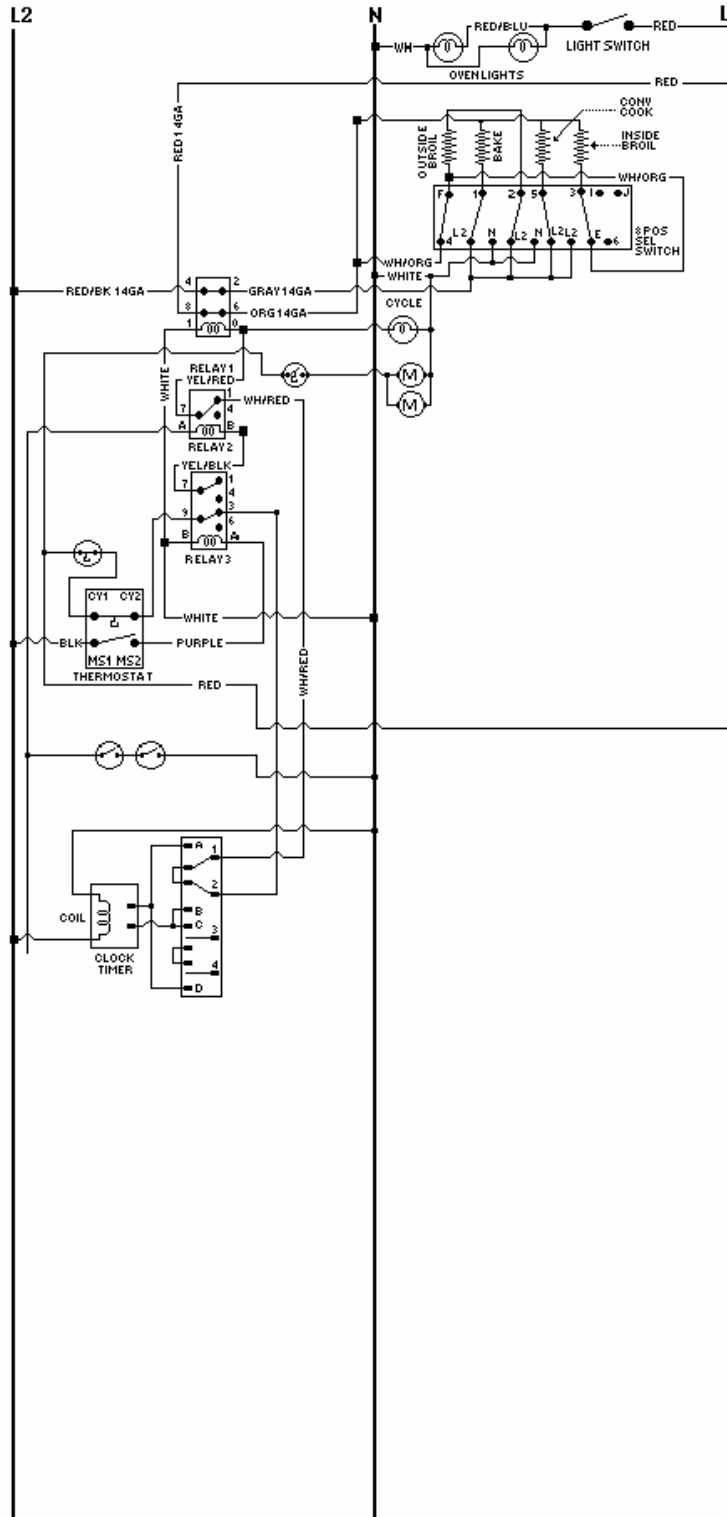
**VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
UPPER OVEN MINI BROIL
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)**



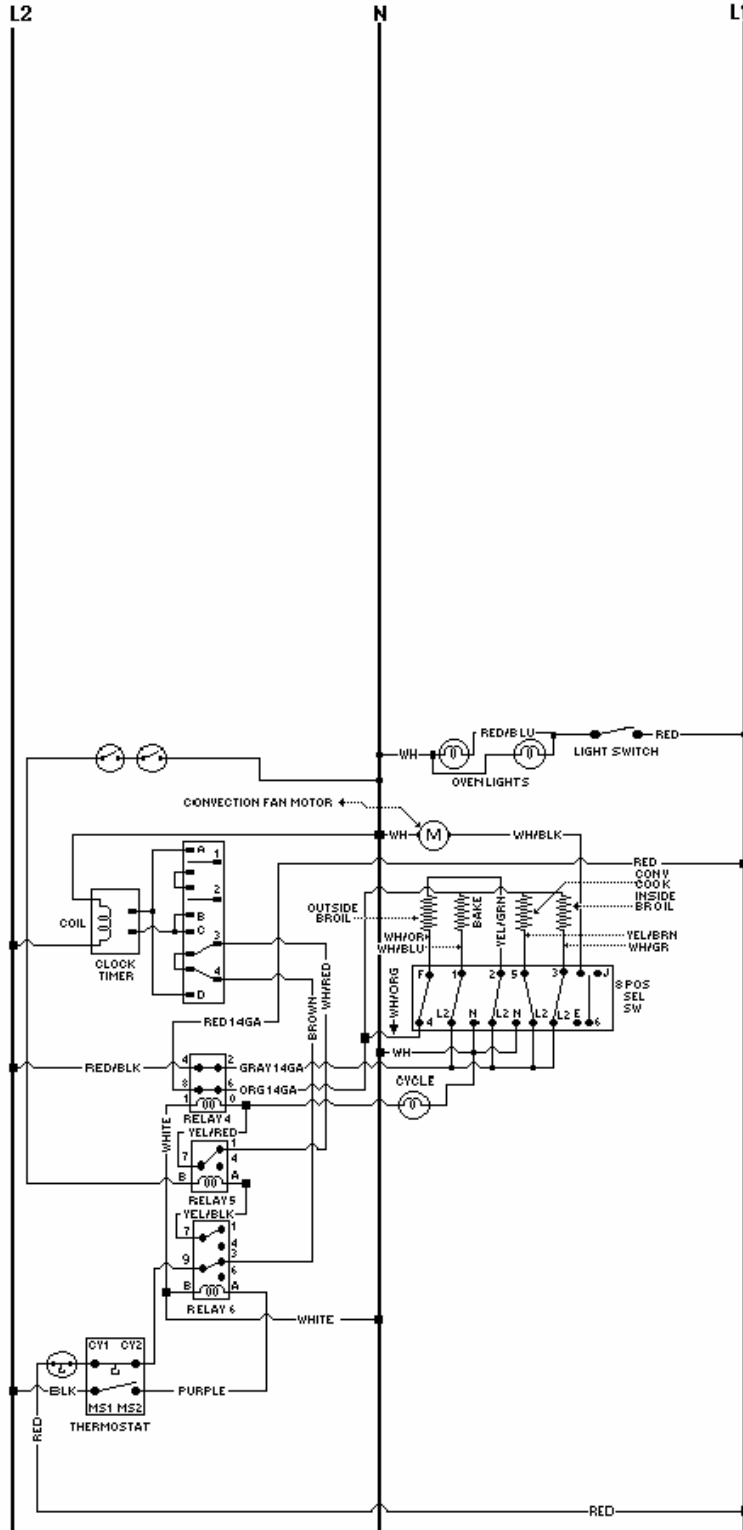
VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
LOWER OVEN MINI BROIL
(BEFORE JUNE 2001 / G-018 & G-019 for updates)



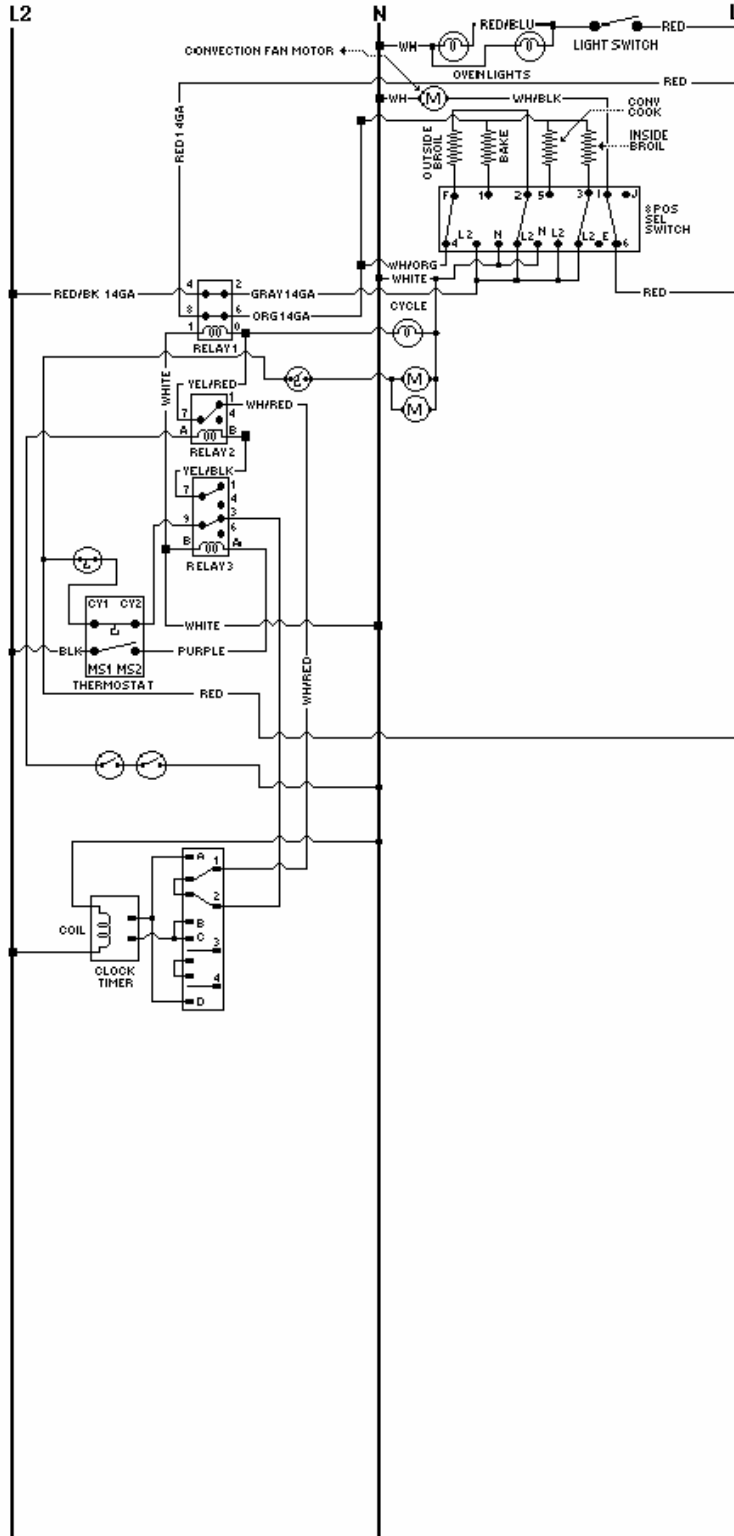
**VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
UPPER OVEN MAXI BROIL
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)**



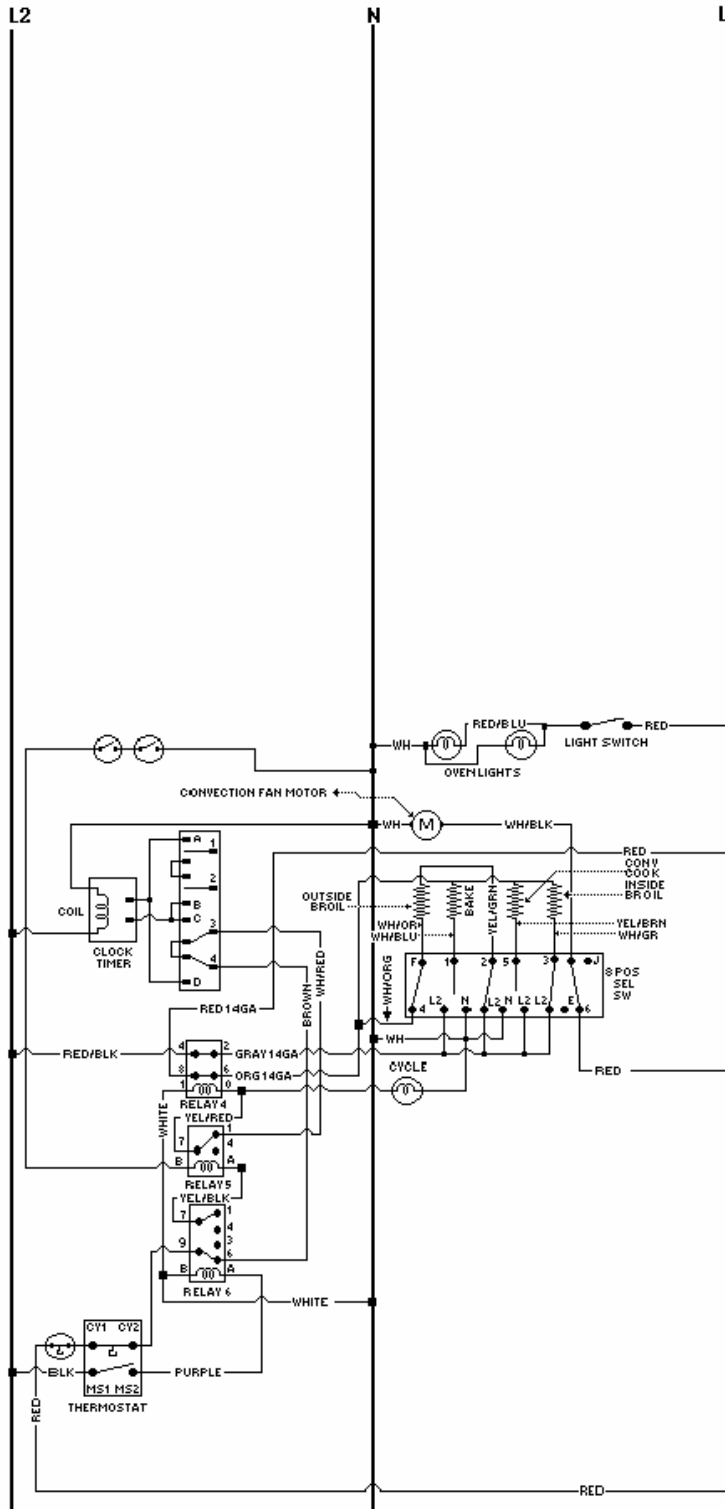
**VEDO205 BUILT-IN 30" W. DOUBLE OVEN
LOWER OVEN MAXI BROIL
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)**



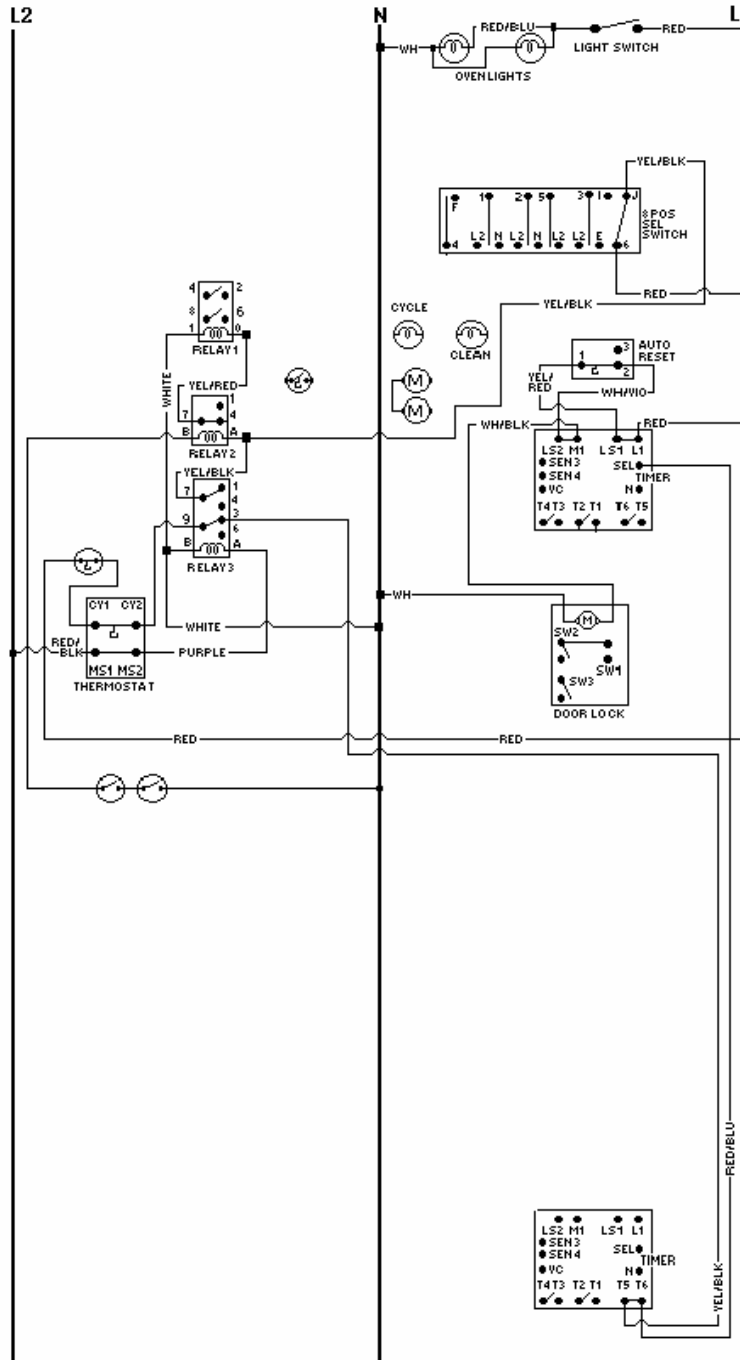
**VEDO205 BUILT-IN 30" W. ELECTRIC DOUBLE OVEN
UPPER OVEN CONVECTION BROIL
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)**



**VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
 LOWER OVEN CONVECTION BROIL
 (BEFOR JUNE 2001 / SEE G-018 & G-019 for updates)**

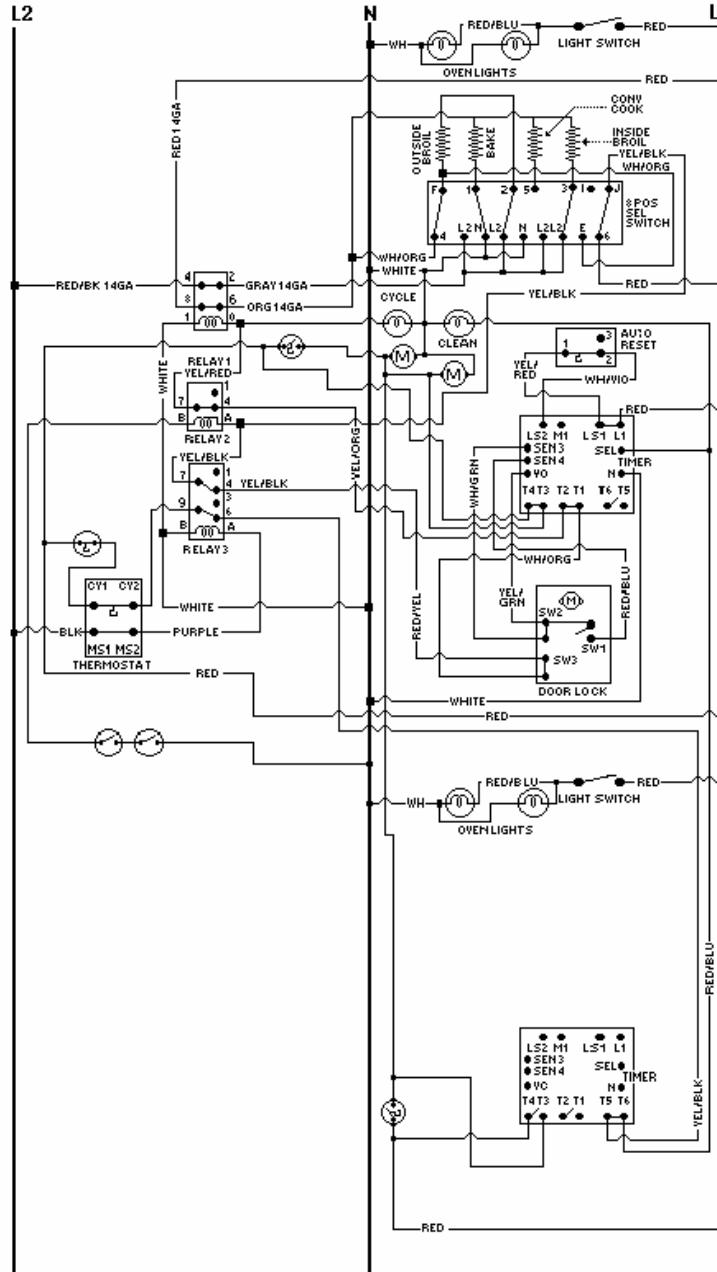


**VEDO205 BUILT-IN 30" W. DOUBLE OVEN
UPPER OVEN CLEAN (BEFORE DOOR LOCK)
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)**



Selector Clean position closes Heating Elements circuits 4 - F, 1 - N, 2 - L2, 3 - L2 and Door Lock Module / Timer circuit J - 6 switches Relay #2. Thermostat clean position closes the Cycle Switch and Thermostat Clean Switch, which switches Relay #3. Switching Relay #3 allows circuit J - 6 to turn on the Clean Indicator Light and enable the Door Lock Module / Timer which closes Relays LS1 - L1 and LS2 - M1. This powers the Door Lock Motor until 10 seconds after Sensor 3 is signaled by VC that Door Lock Switch SW2 has been closed mechanically (along with SW3) by the Door Lock Bolt.

VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
UPPER OVEN CLEAN (AFTER DOOR LOCK)
(AFTER JUNE 2001 / SEE G-018 & G-019 for updates)

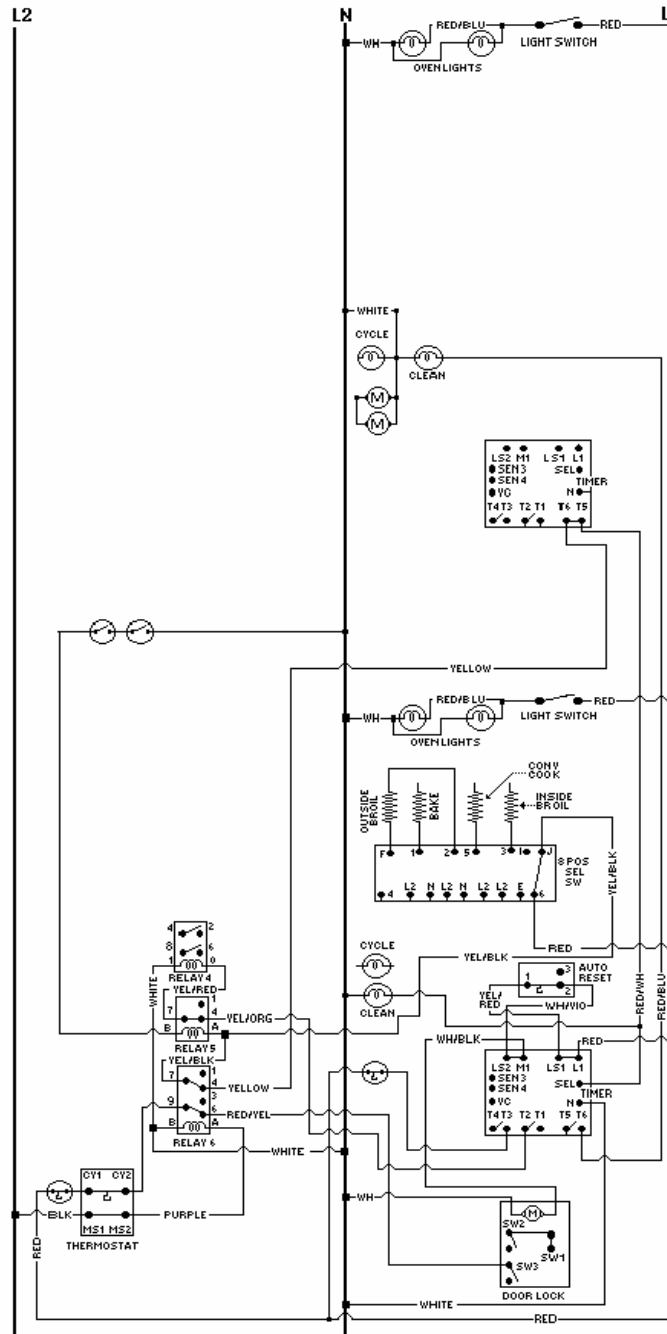


10 seconds after the signal to Sensor 3, Switch LS2 – M1 is opened, stopping the door lock motion and switches T1 – T2, and T3 – T4 which switches Relay #1, powering the Cooling Fan, which closes Relay #1 powering the Inside and Outside Broil Elements to 208V / 240V and the Bake Element to 120V.

Auto Reset switches to 1 – 3 which turns Door Lock Indicator on and disables Door Lock Motor circuit.

VEDO205 BUILT-IN ELECTRIC 30" W. DOUBLE OVEN
LOWER OVEN CLEAN (BEFORE DOOR LOCK)
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)

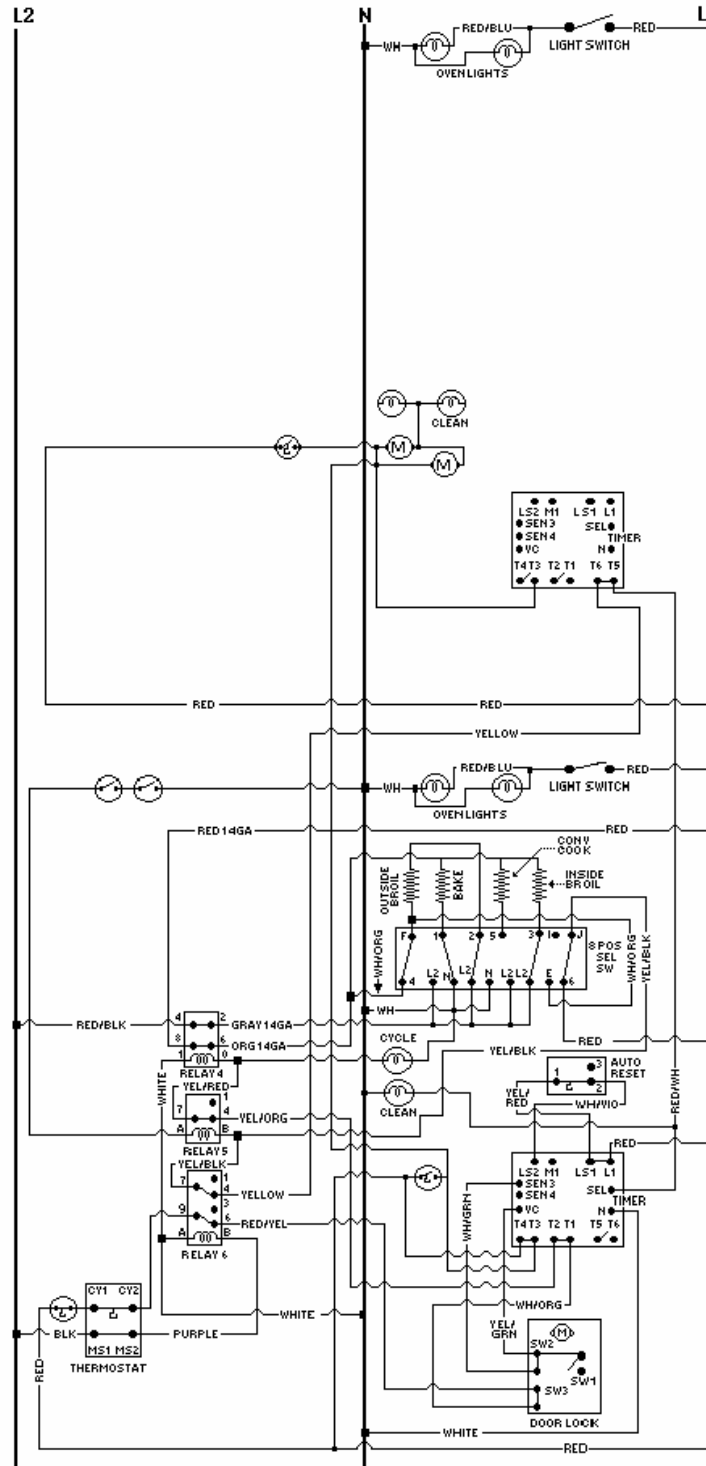
Selector Clean position closes Heating Elements circuits 4 – F, 1 – N, 2 – L2, 3 – L2 and Door Lock Module / Timer circuit J – 6 switches Relay #2. Thermostat clean position closes the Cycle Switch and Thermostat Clean Switch, which switches Relay #3. Switching Relay #3 allows circuit J – 6 to turn on the Clean Indicator Light and enable the Door Lock Module / Timer which closes Relays LS1 – L1 and LS2 – M1. This powers the Door Lock Motor until 10 seconds after Sensor 3 is signaled by VC that Door Lock Switch SW2 has been closed mechanically (along with SW3) by the Door Lock Bolt. 10 seconds after the signal to Sensor 3, Switch LS2 – M1 is opened, stopping the door lock motion and switches T1 – T2, and T3 – T4 which switches Relay #1, powering the Cooling Fan, which closes Relay #1 powering the Inside and Outside Broil Elements to 208V / 240V and the Bake Element to 120V.



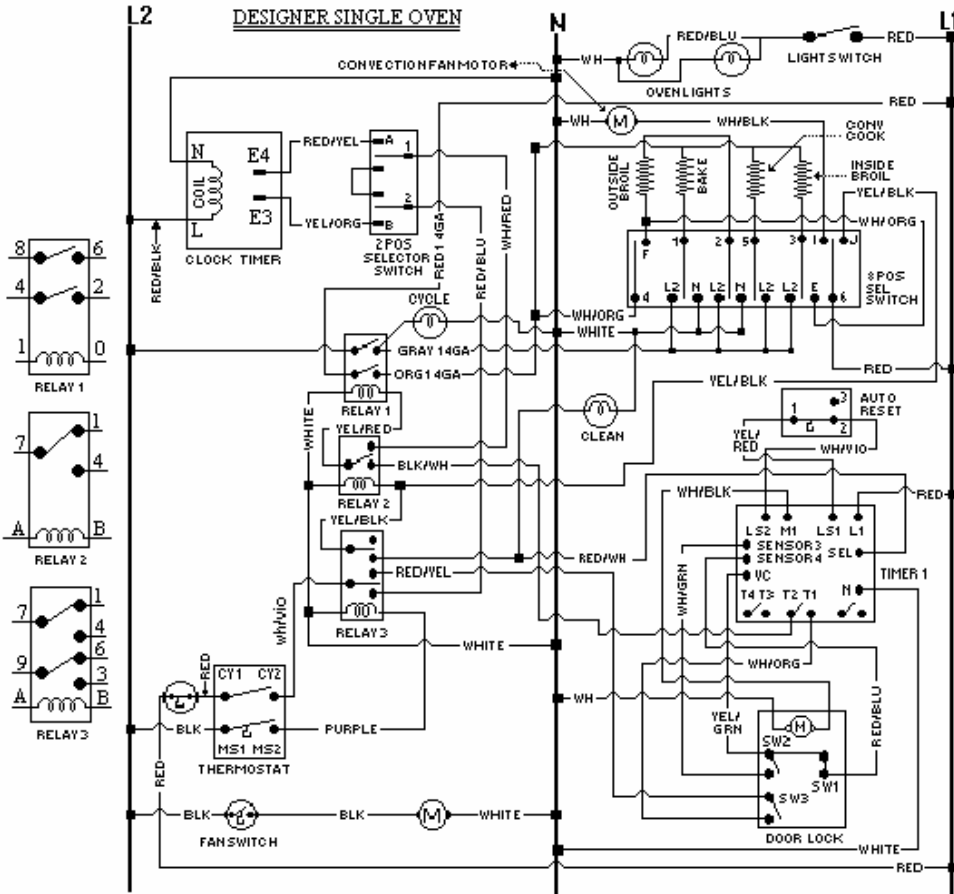
**VEDO205 BUILT-IN ELECTRIC 30 " W. DOUBLE OVEN
LOWER OVEN CLEAN (AFTER DOOR LOCK)
(BEFORE JUNE 2001 / SEE G-018 & G-019 for updates)**

Auto Reset switches to 1 – 3 which turns Door Lock Indicator on and disables Door Lock Motor circuit.

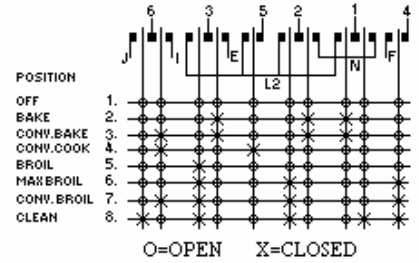
Timer Switches T3 – T4, T1 – T2, open, turning off the Cooling Fan, which will then be powered at 120V by the Fan Limit Switch when needed, and opening the circuit to Relay #1 which disables the Heating Elements. Switch LS2 – M1 closes to power the Door Lock Motor.



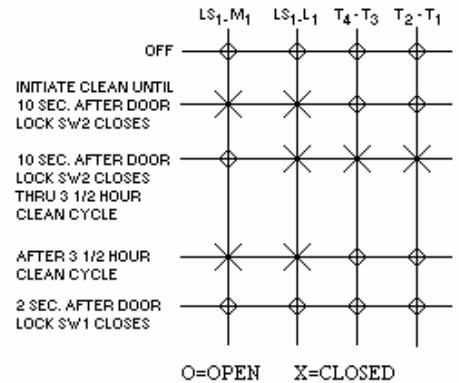
Wiring Diagram Built-in Electric Single Oven (DESO105) Designer Oven



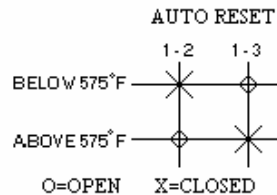
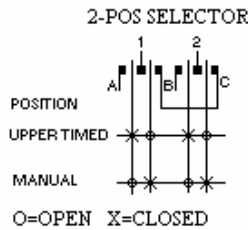
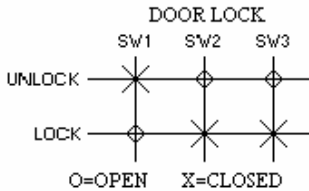
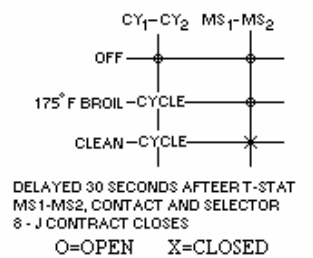
8 POSITION SELECTOR



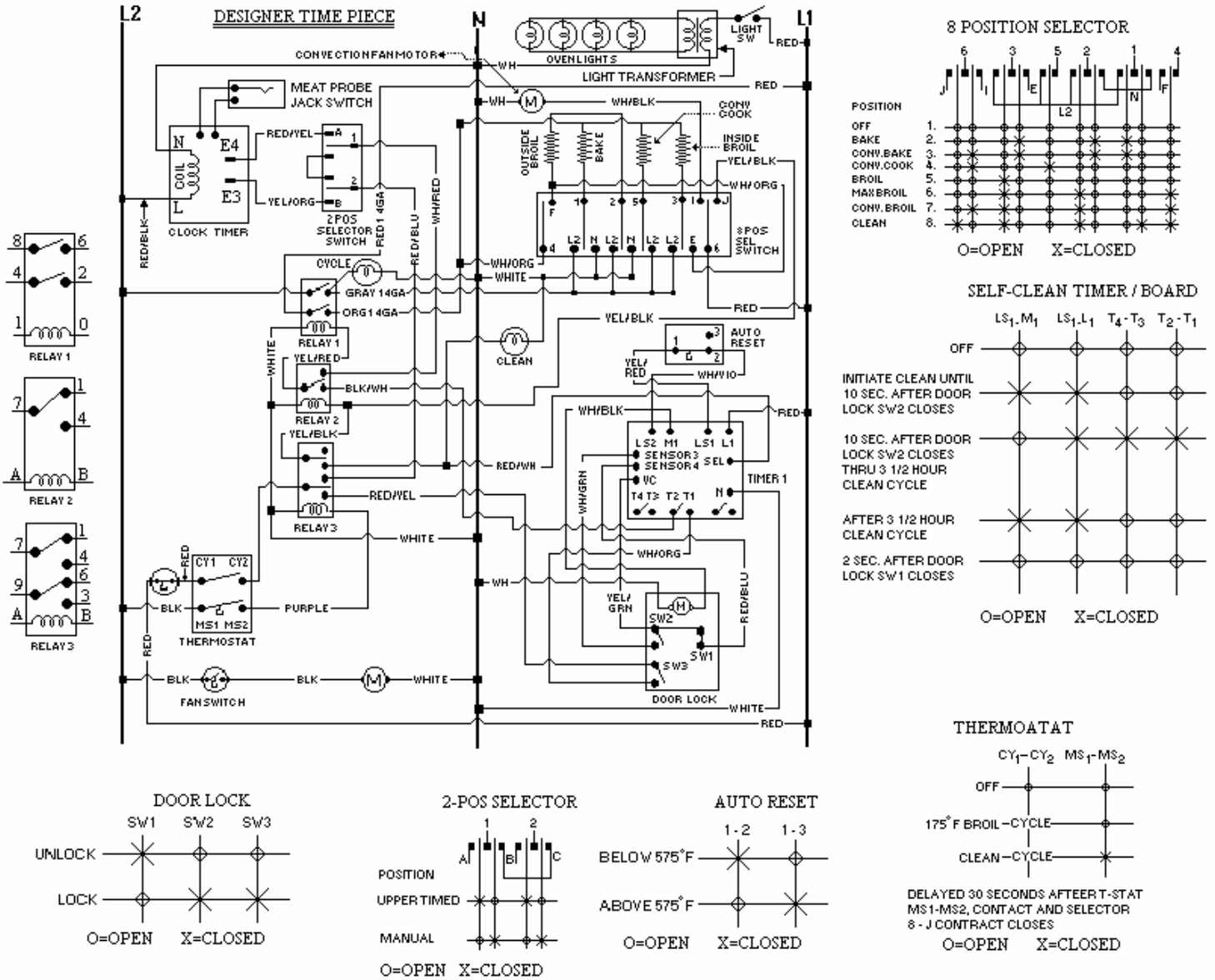
SELF-CLEAN TIMER / BOARD



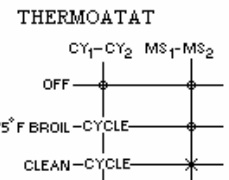
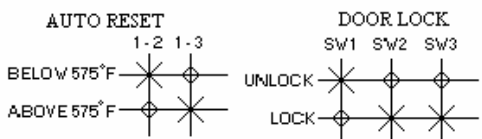
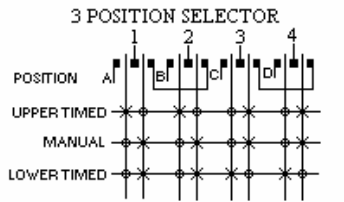
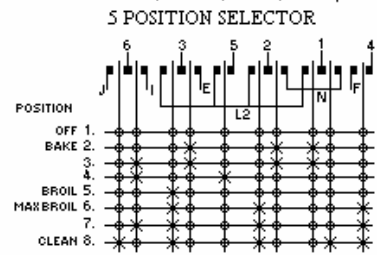
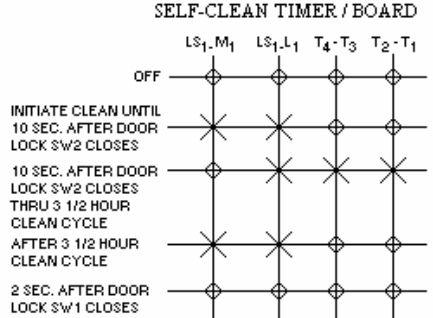
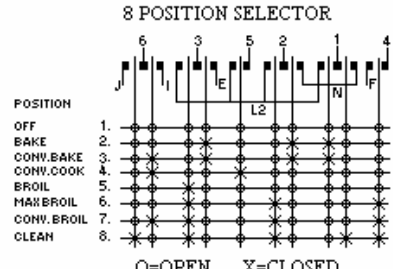
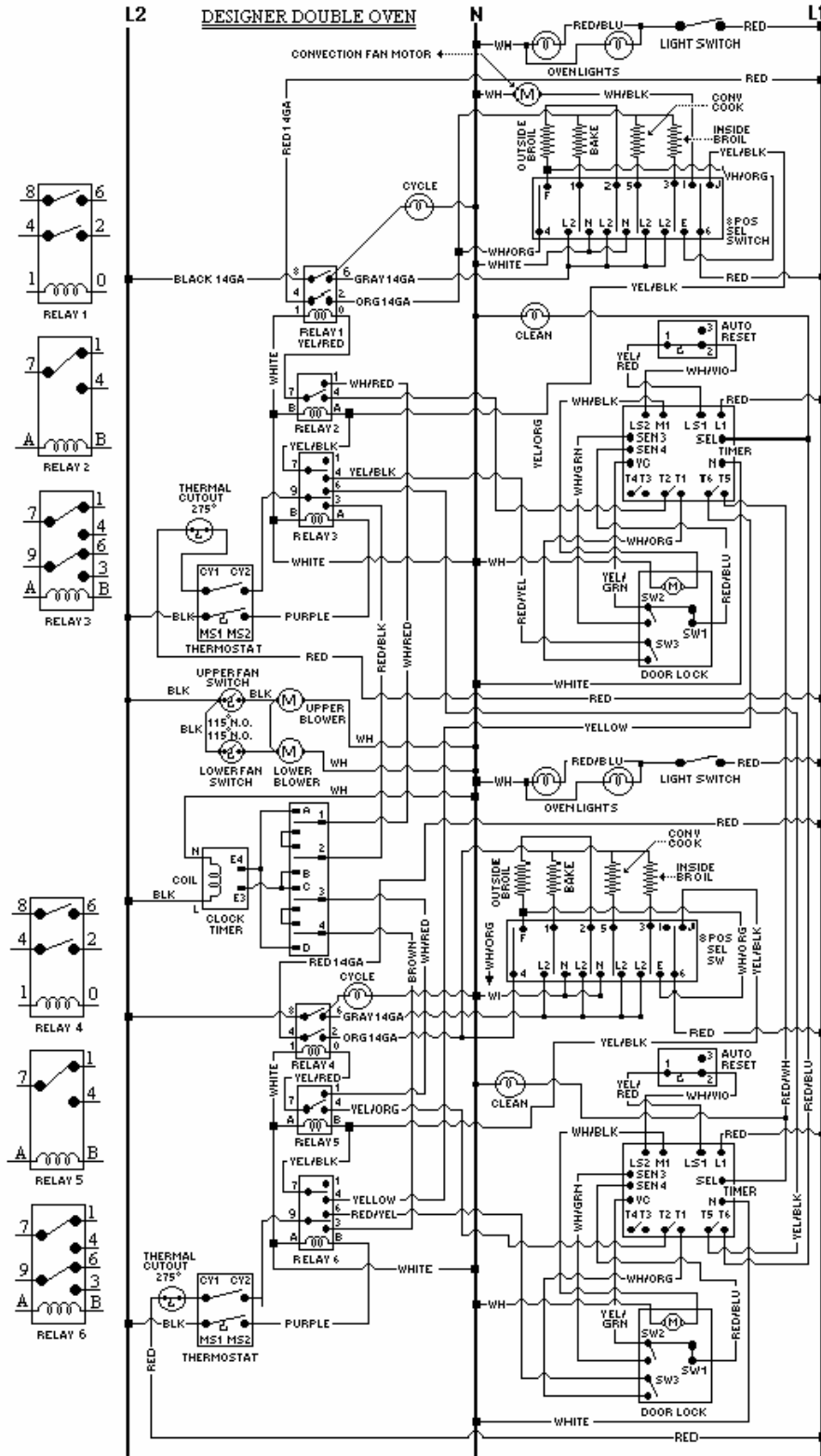
THERMOATAT



Wiring Diagram Built-in Electric Single Oven (DESO105) Designer Time Piece

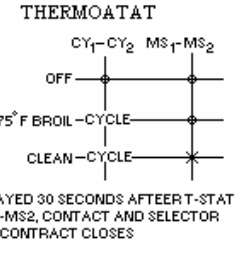
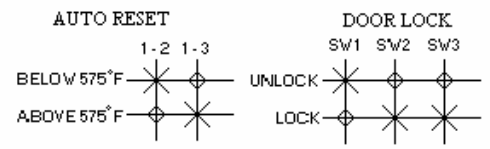
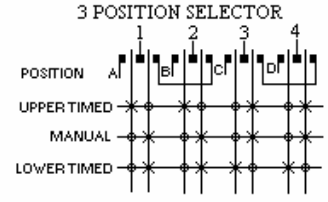
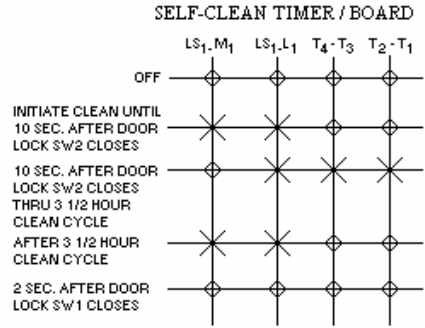
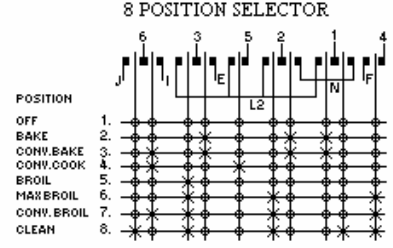
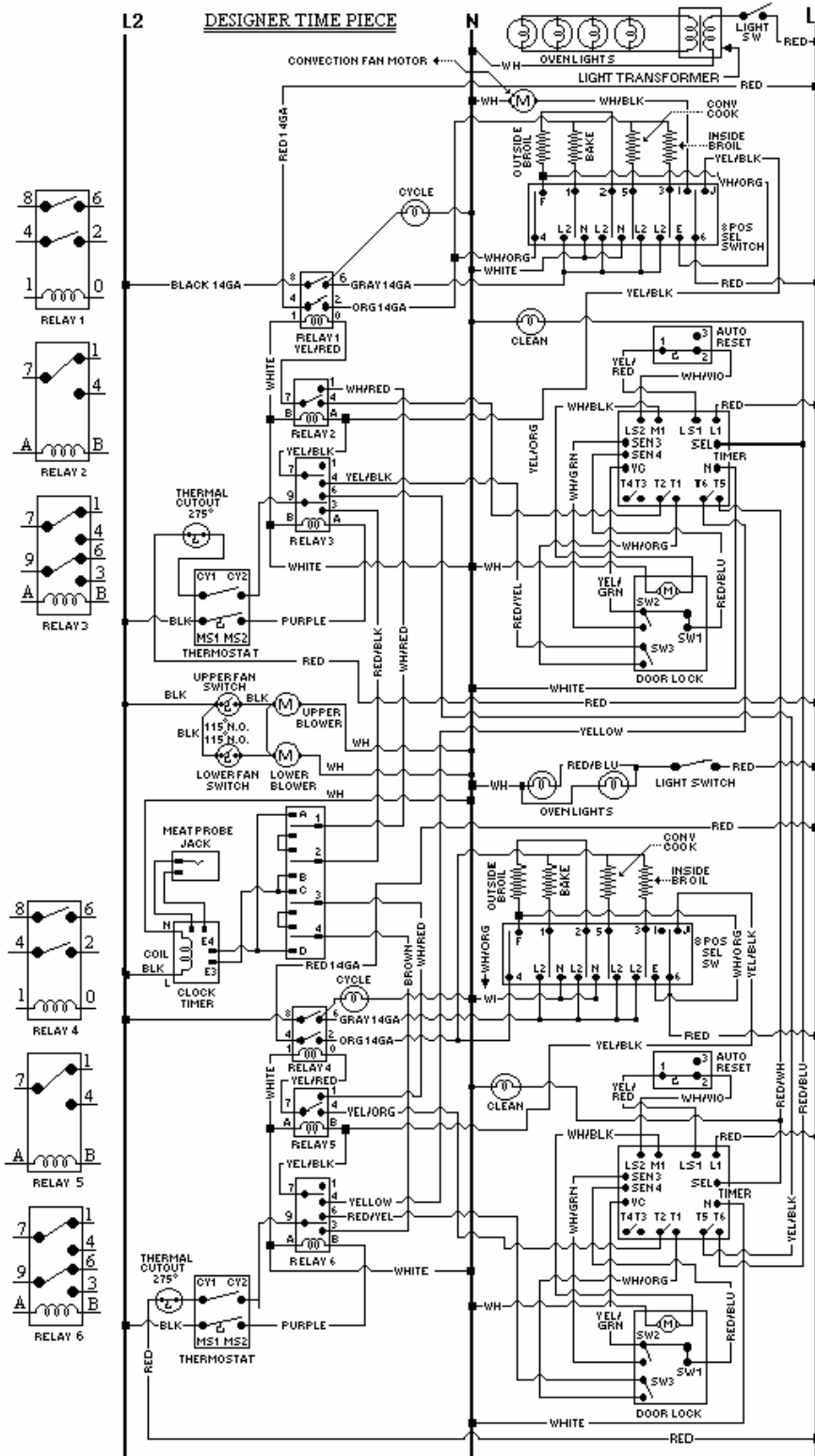


Wiring Diagram Built-in Double Oven (DED0200) Designer Oven



DELAYED 30 SECONDS AFTER T-STAT MS1-MS2 CONTACT AND SELECTOR 8 - J CONTACT CLOSURES
O=OPEN X=CLOSED

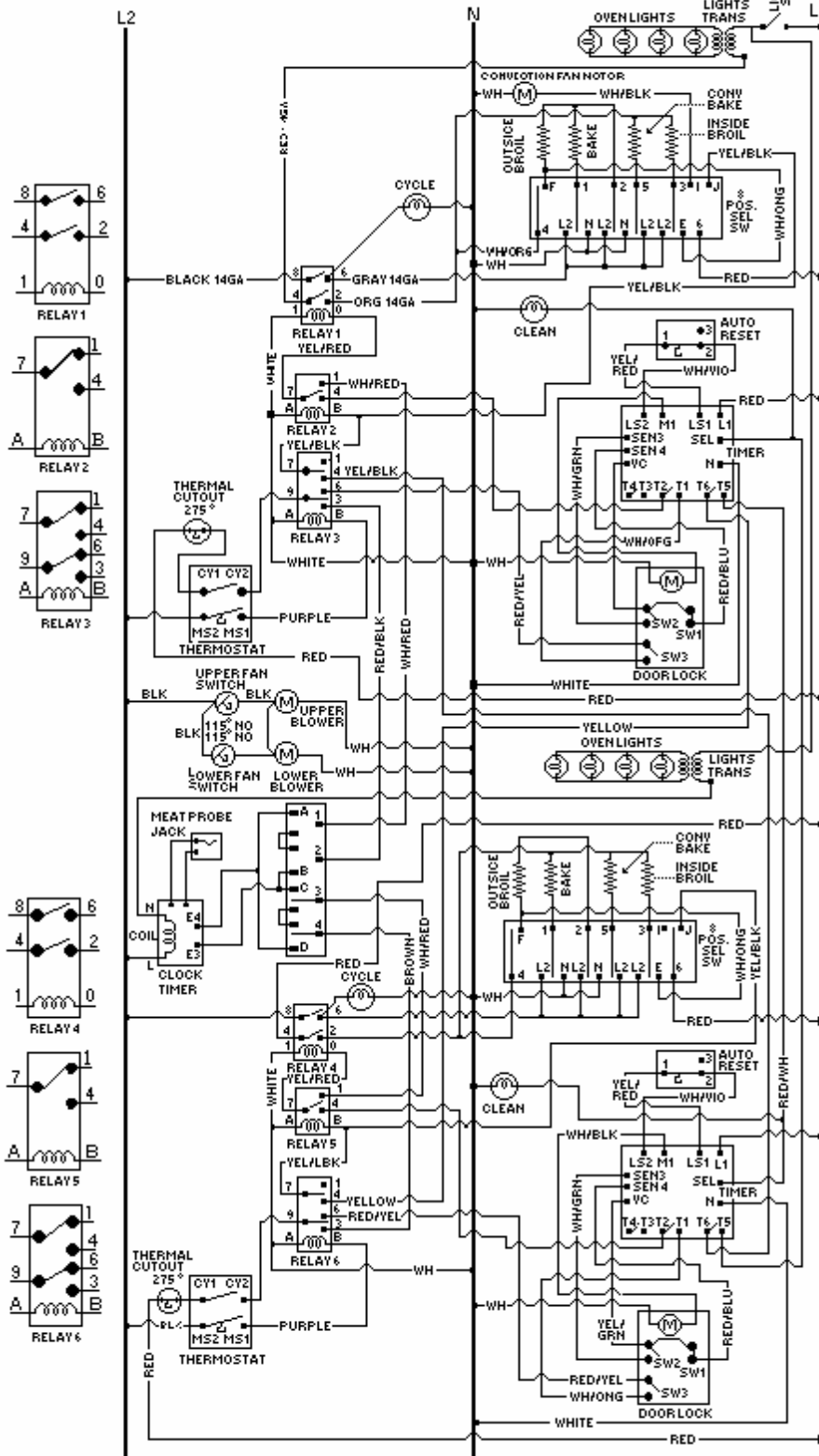
Wiring Diagram Built-in Electric Double Oven (DEDO200) Designer Time Piece



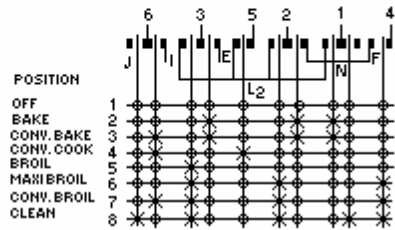
O=OPEN X=CLOSED

DESIGNER TIME PIECE DOUBLE OVEN

DEDO205 DESIGNER DOUBLE OVEN

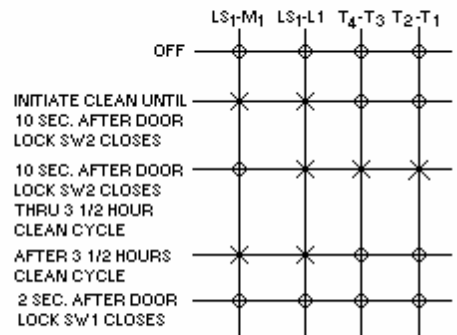


8 POSITION SELECTOR SWITCH



O = OPEN X = CLOSED

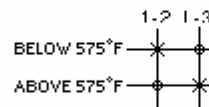
SELF CLEAN TIMER / BOARD



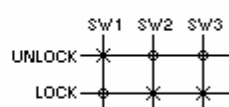
3 POSITION SELECTOR



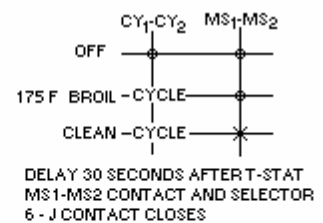
AUTO RESET



DOOR LOCK

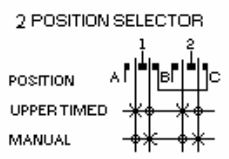
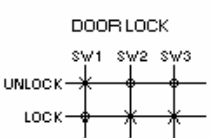
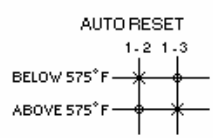
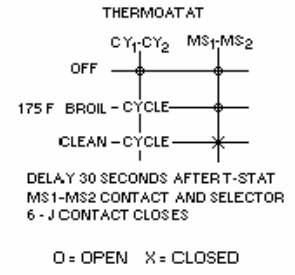
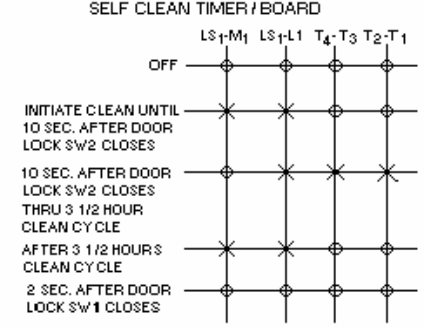
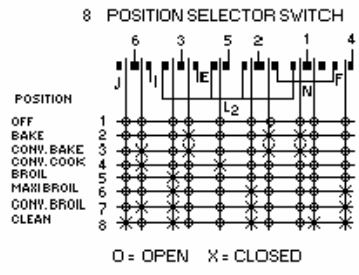
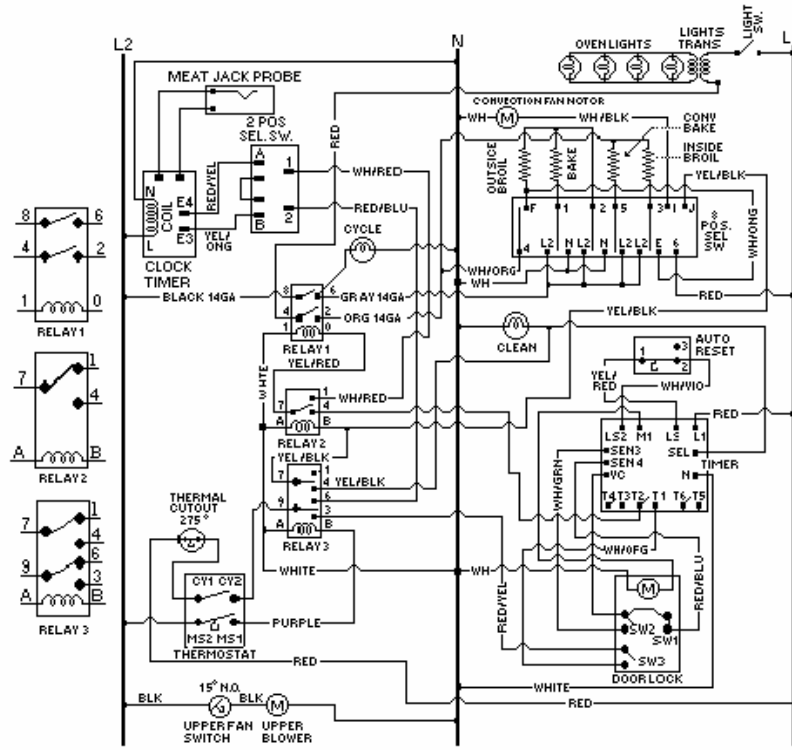


THERMOATAT



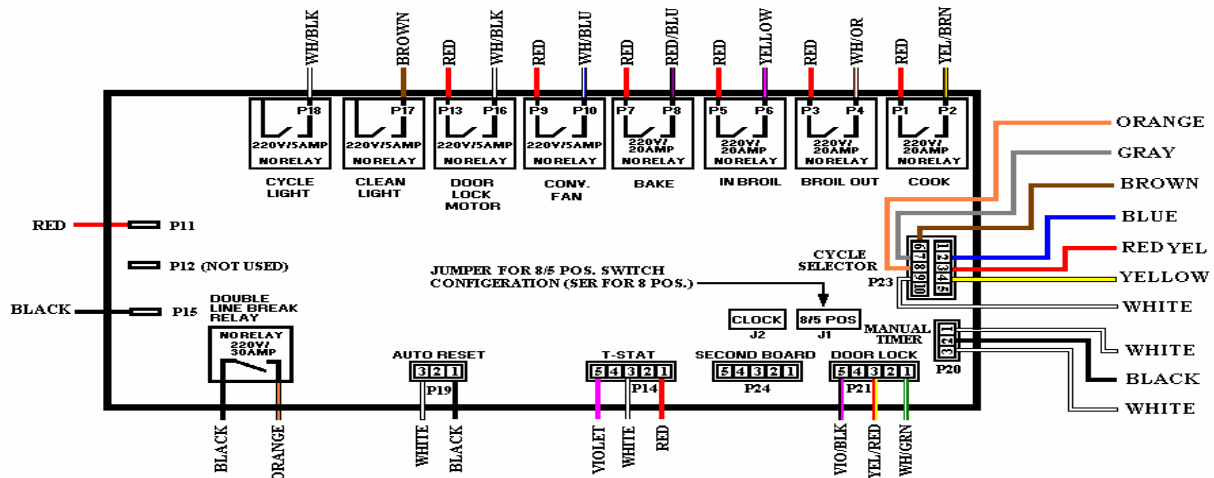
O = OPEN X = CLOSED

DESIGNER SINGLE ELECTRIC OVEN
TIME PIECE

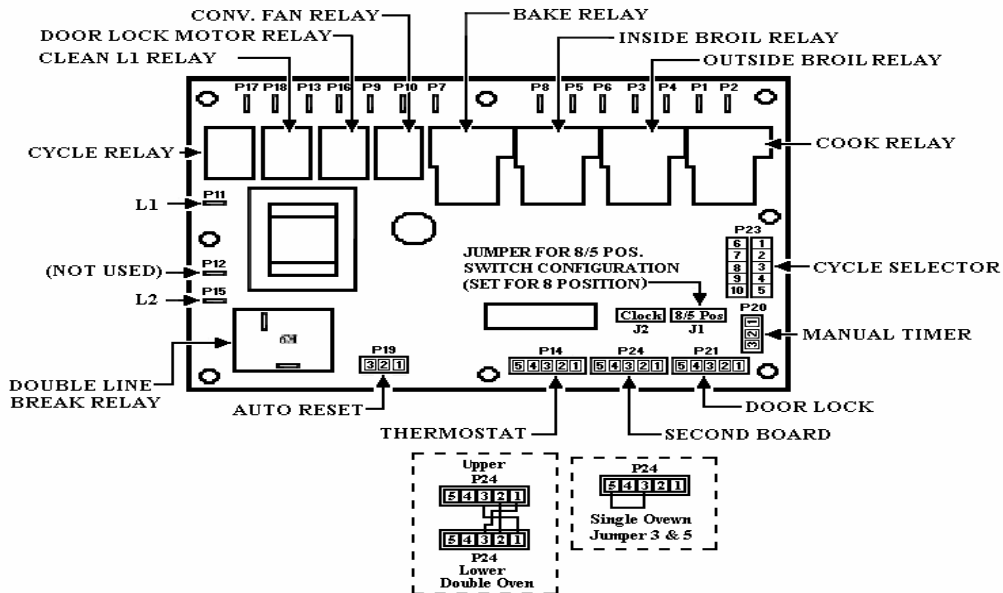
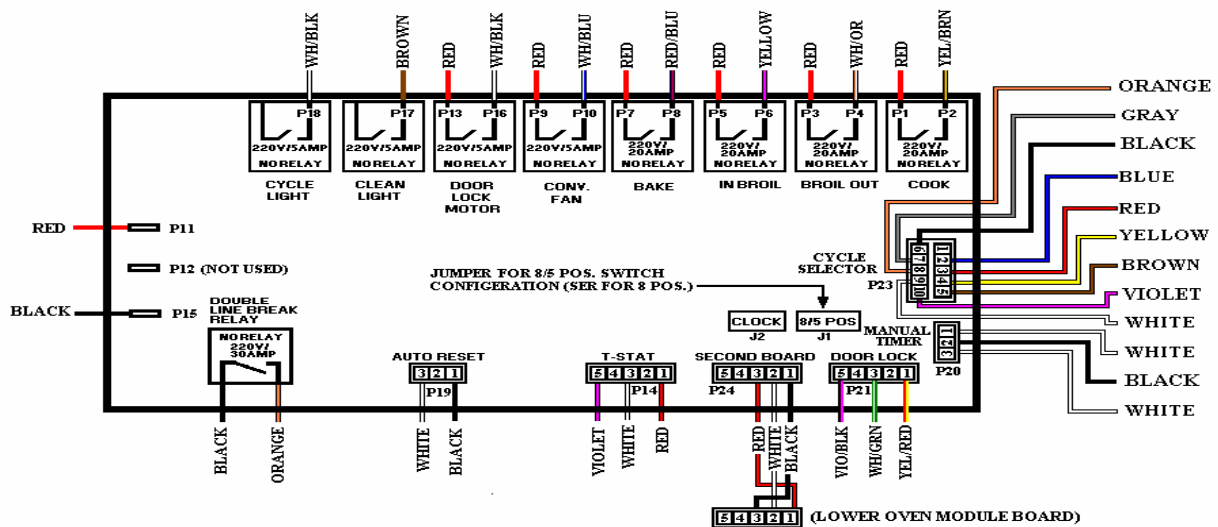


COOKING APPLIANCE CONTROL MODULE

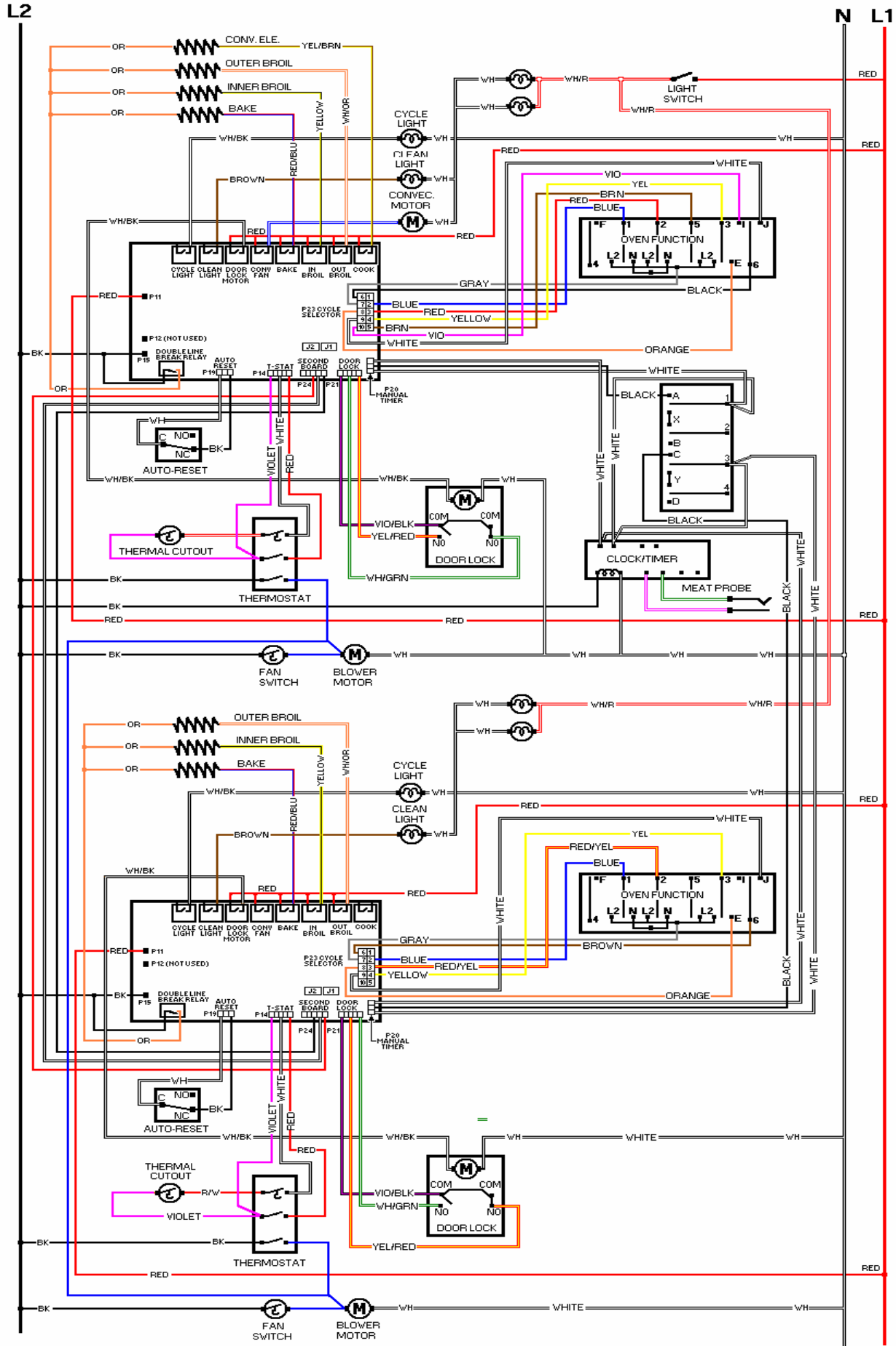
5 POSITION SELECTOR SWITCH



8 POSITION SELECTION SWITCH CONNECTIONS



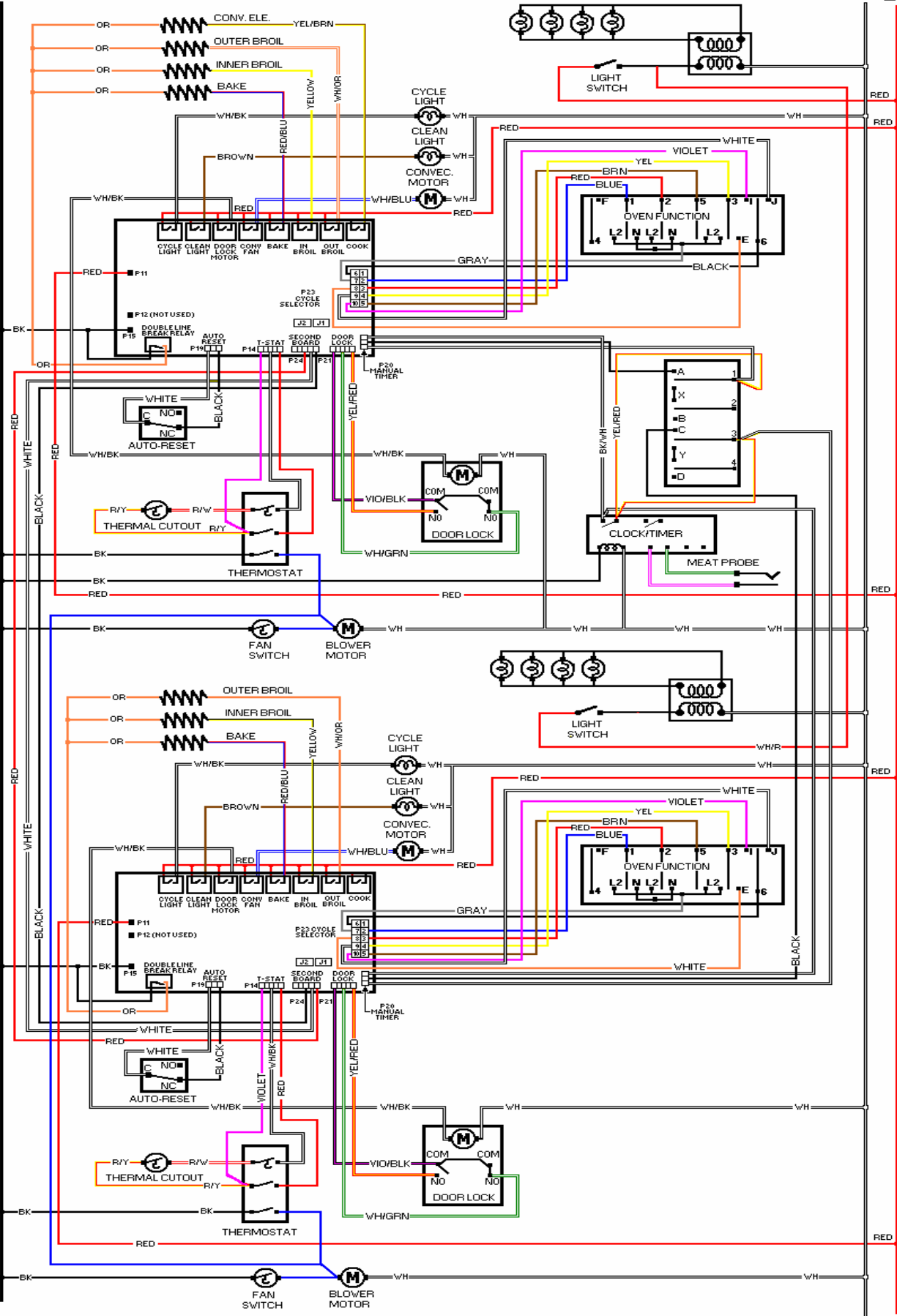
DEDO271 / DEDO201



DEDO275 / DEDO205

L2

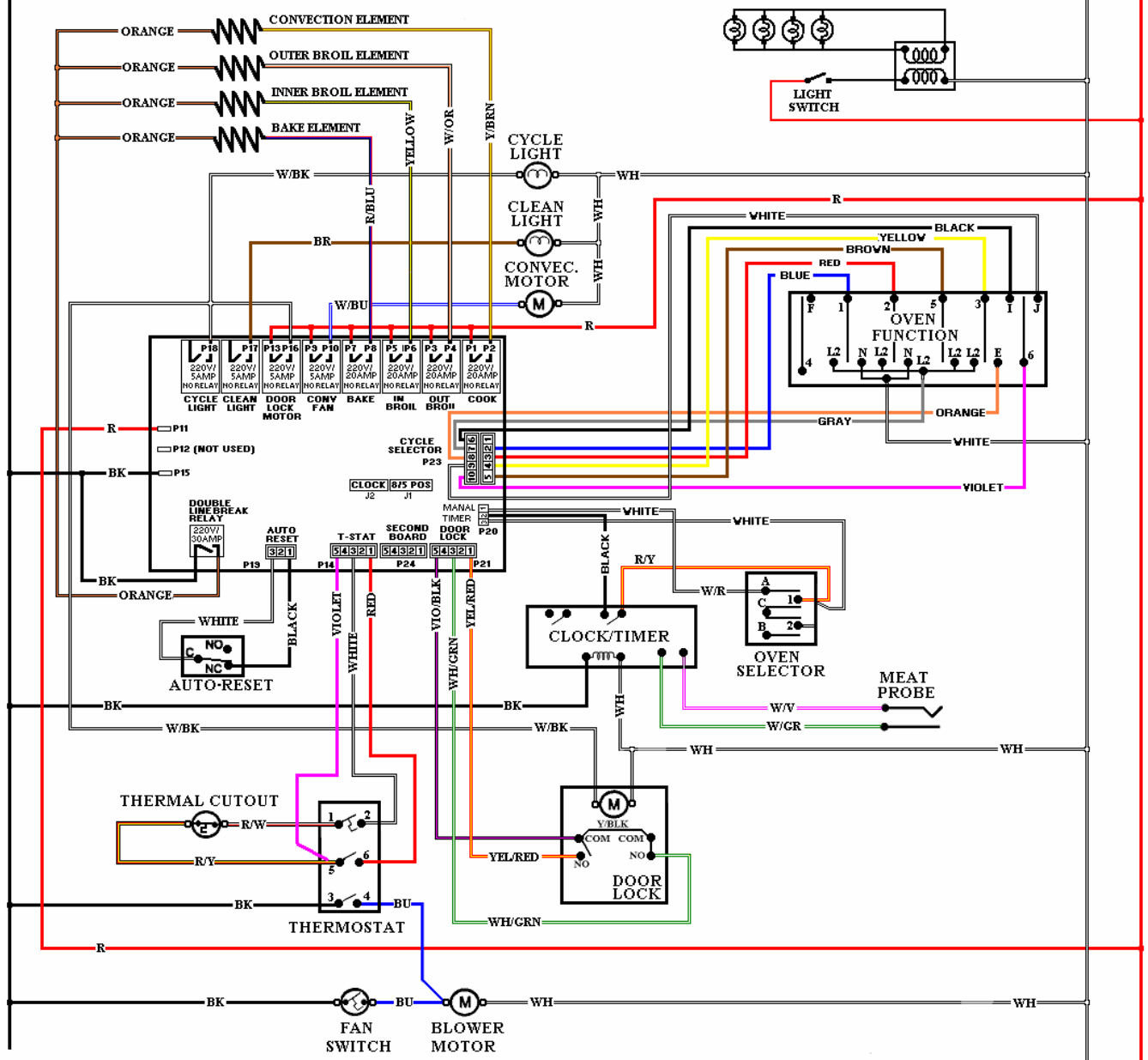
N L1



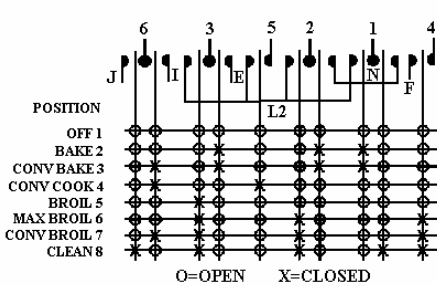
DESO175 / DESO105

L2

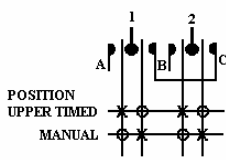
N L1



8 POSITION SELECTOR SWITCH



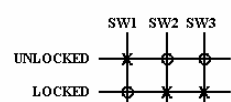
2 POSITION SELECTOR



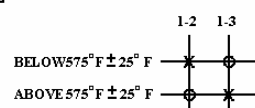
THERMOSTAT

| | 1-2 | 3-4 | 5-6 |
|-------|-----|-----|-----|
| OFF | O | O | O |
| BAKE | CYC | X | O |
| BROIL | CYC | X | O |
| CLEAN | CYC | X | X |

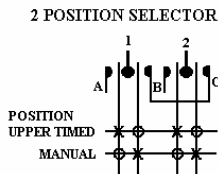
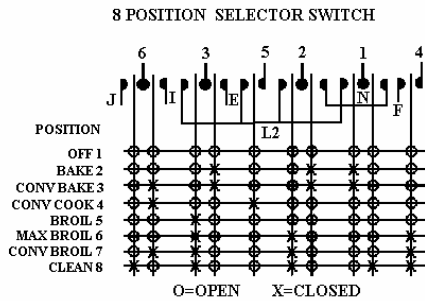
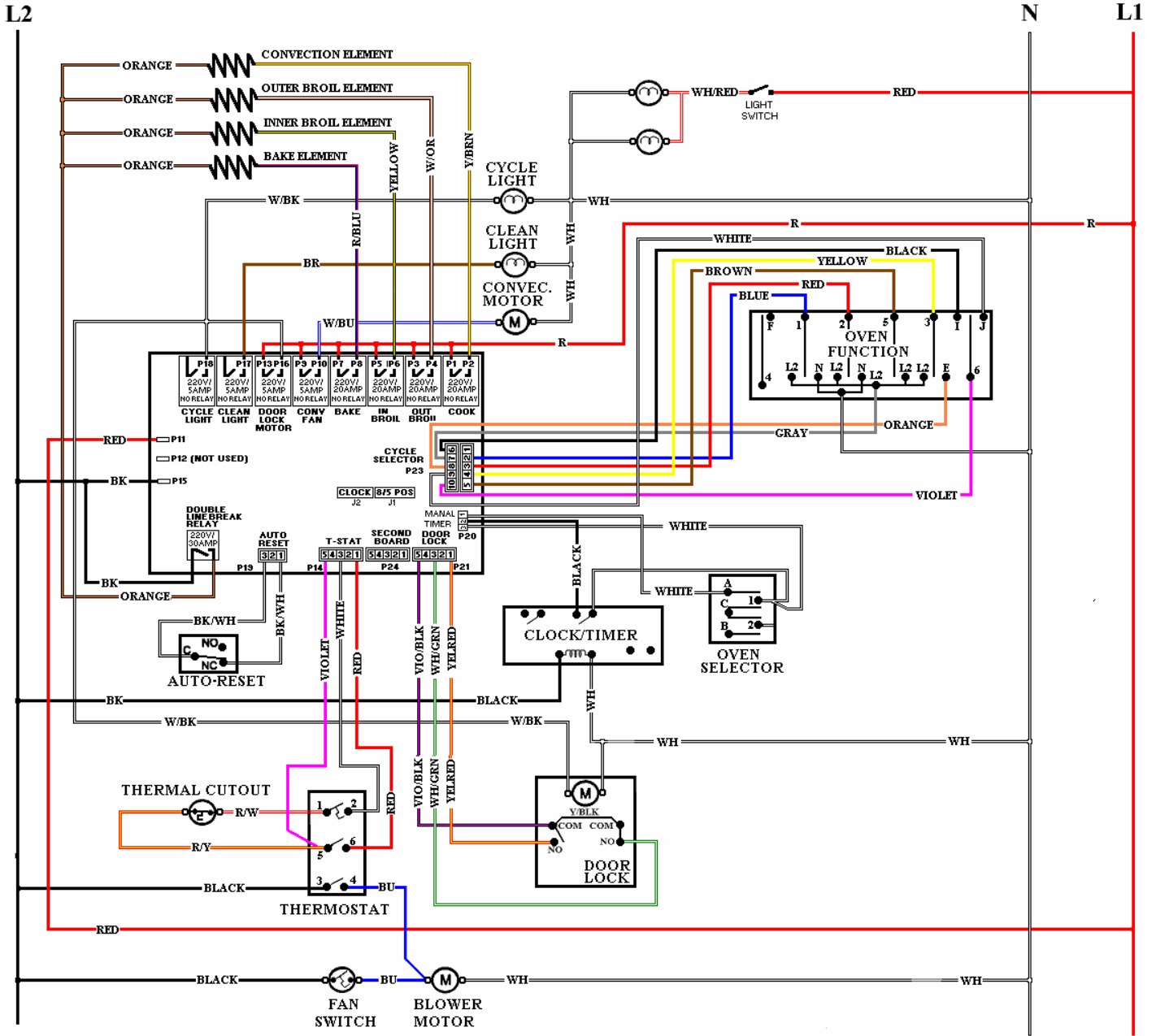
DOOR LOCK



AUTO RESET

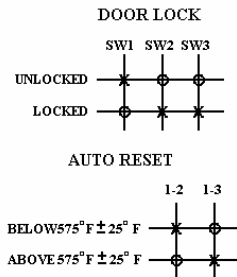


DESO171 / DESO101

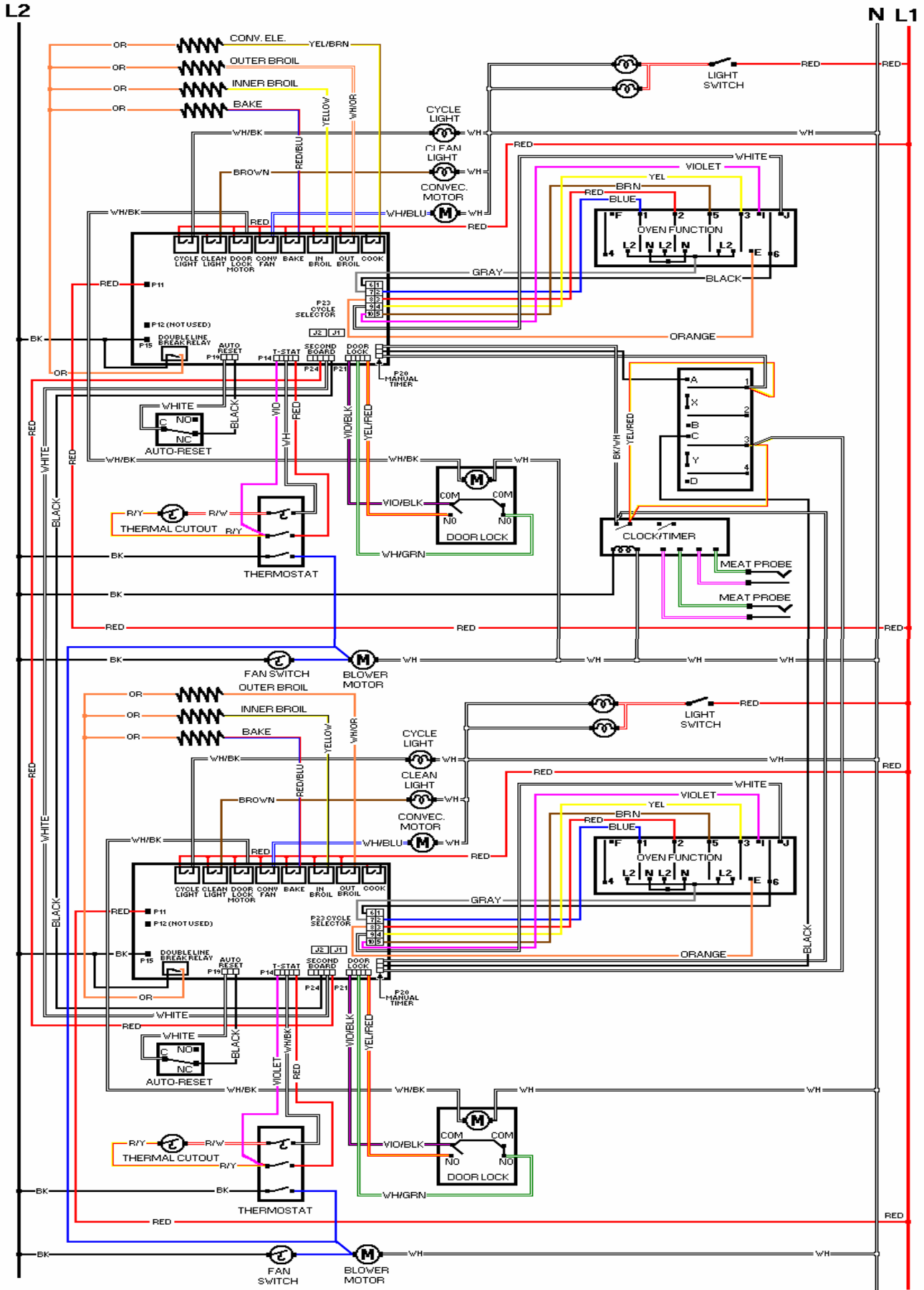


THERMOSTAT

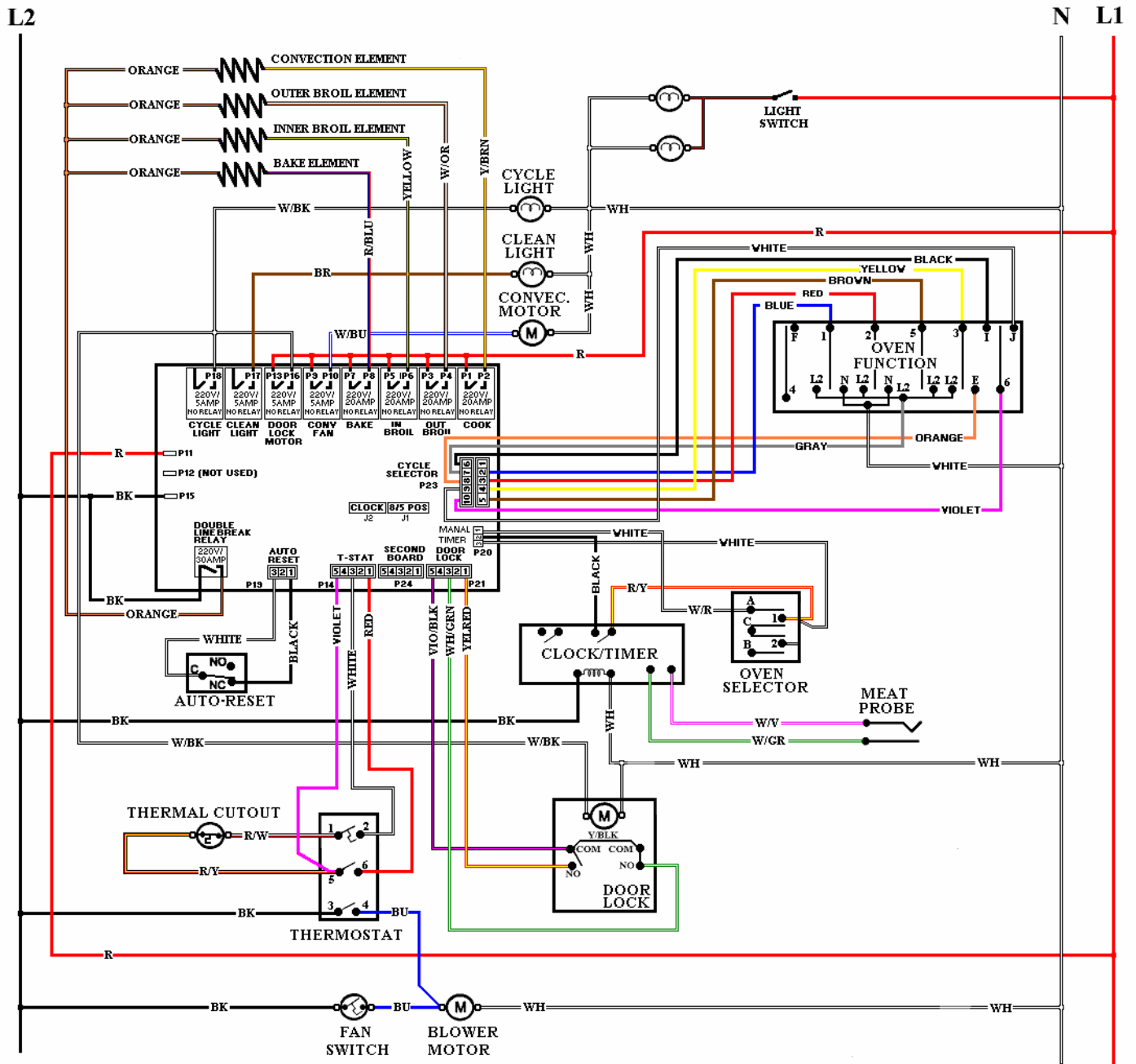
| | 1-2 | 3-4 | 5-6 |
|-------|-----|-----|-----|
| OFF | O | O | O |
| BAKE | CYC | X | O |
| BROIL | CYC | X | O |
| CLEAN | CYC | X | X |



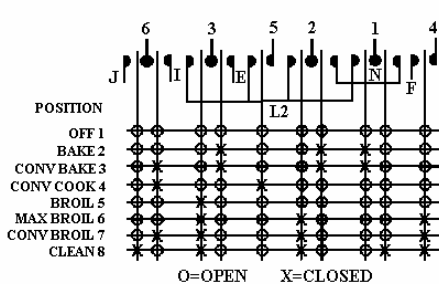
VEDO277 / VEDO207 / VDO265



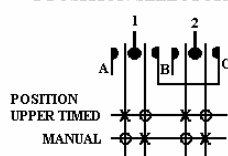
VESO177 / VESO107 / VESO165



8 POSITION SELECTOR SWITCH



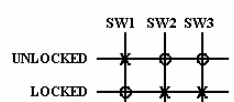
2 POSITION SELECTOR



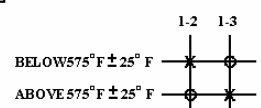
THERMOSTAT

| | 1-2 | 3-4 | 5-6 |
|-------|-----|-----|-----|
| OFF | O | O | O |
| BAKE | CYC | X | O |
| BROIL | CYC | X | O |
| CLEAN | CYC | X | X |

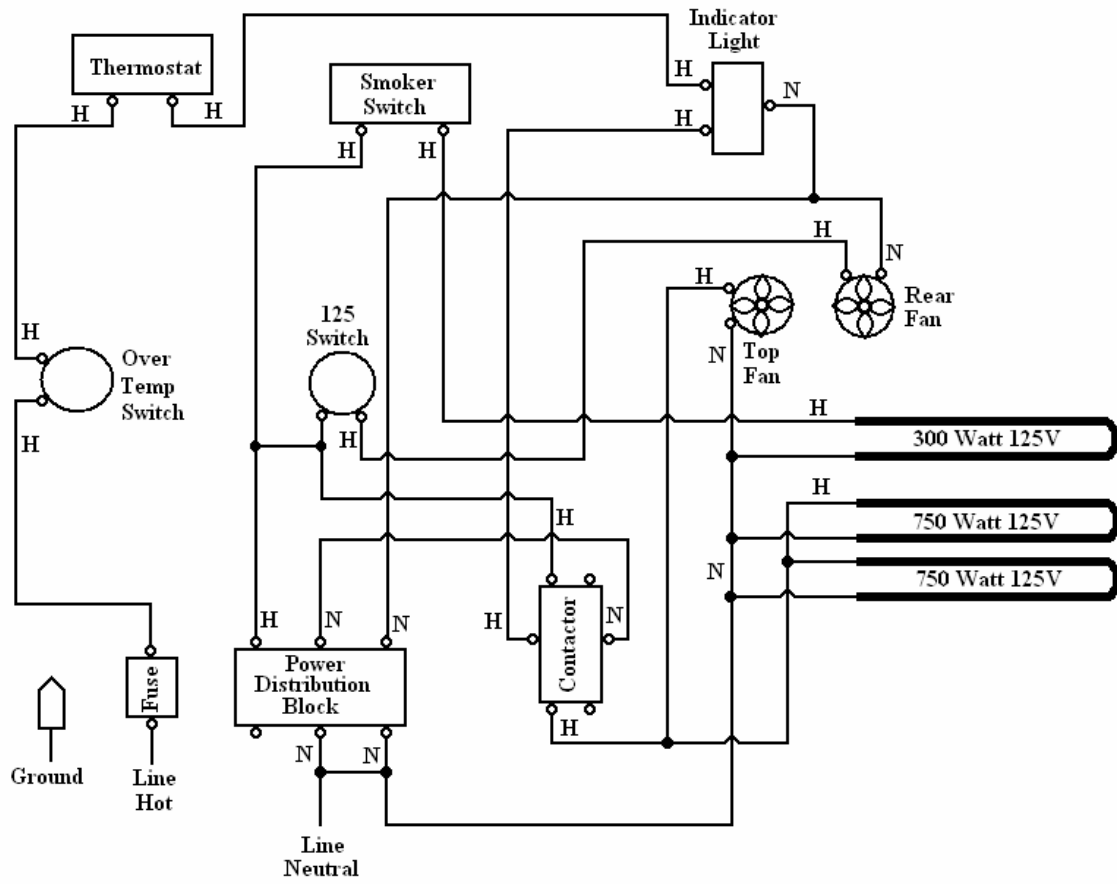
DOOR LOCK



AUTO RESET

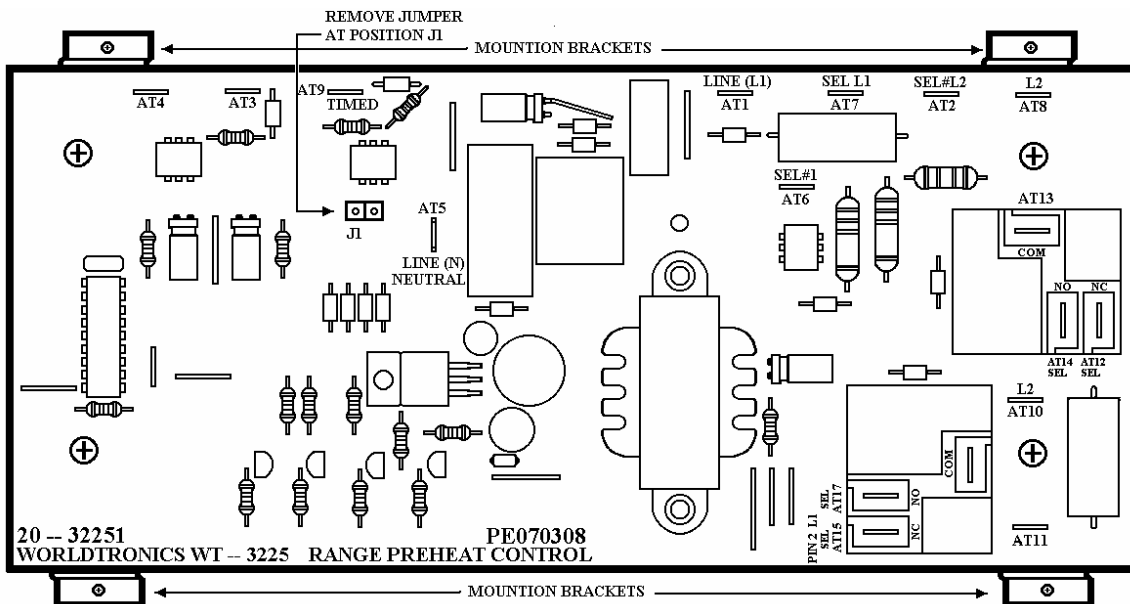


VEIS100 BUILT-IN SMOKER OVEN



INSTALLATION INSTRUCTION
 For
 PREHEAT CONTROL BOARD
 For
 MODEL DESO/DEDO

- STEP 1: TURN OFF POWER TO THE OVEN
- STEP2: REMOVE OVEN FROM CABINET AND REMOVE TOP
- STEP3: INSTALL CONTROL BOARD(S) USING MOUNTING BRACKETS AND STAND OFFS AS SHOWN.
- STEP4: REMOVE CAP ON CONTROL BOARD POSITION J1 AS INDICATED BELOW.
- STEP5: WIRE NEW CONTROL BOARD ACCORDING TO THE POINT-TO-POINT DIAGRAM AND BLOCK DIAGRAMS ATTACHED.
- STEP6: REPLACE TOP AND INSTALL OVEN IN CABINET. RESTORE POWER TO THE OVEN AND TEST UNIT FOR OPERATION.

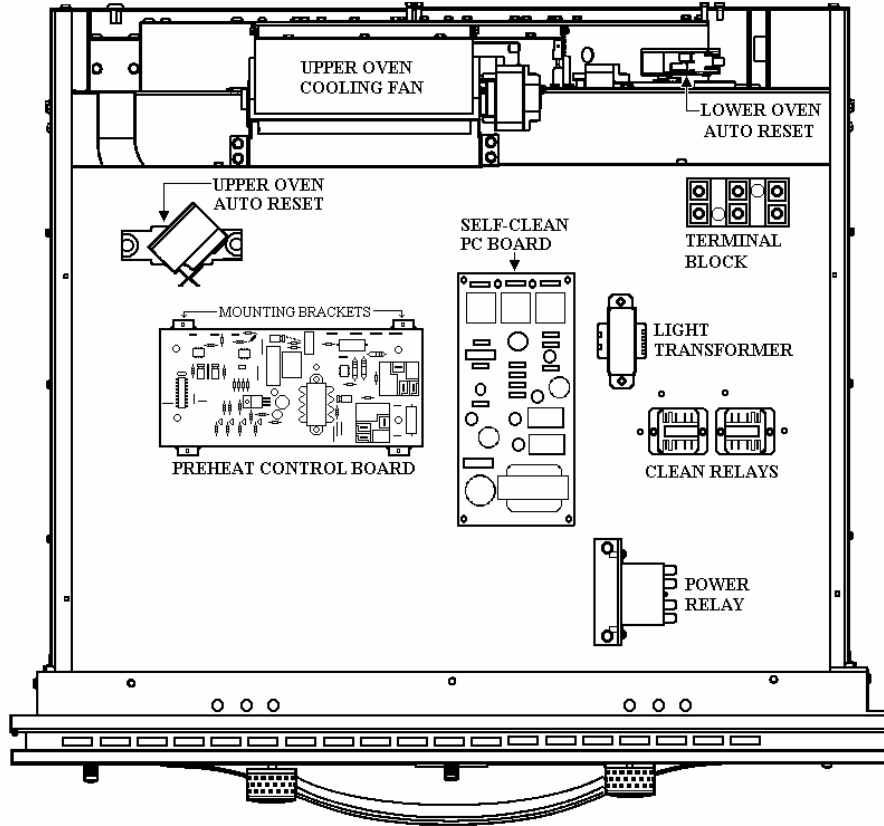


- VEDO Double Ovens Pre-heat Board Kit G5007602
- VESO Single Oven Pre-heat Board Kit G5007603
- DEDO Double Oven Pre-heat Board Kit G5007604
- DESO Single Oven Pre-heat Board Kit G5007605
- Dual Fuel Ranges Oven Pre-heat Board Kit G5007606
- VESC Oven Pre-heat Board Kit G50076007

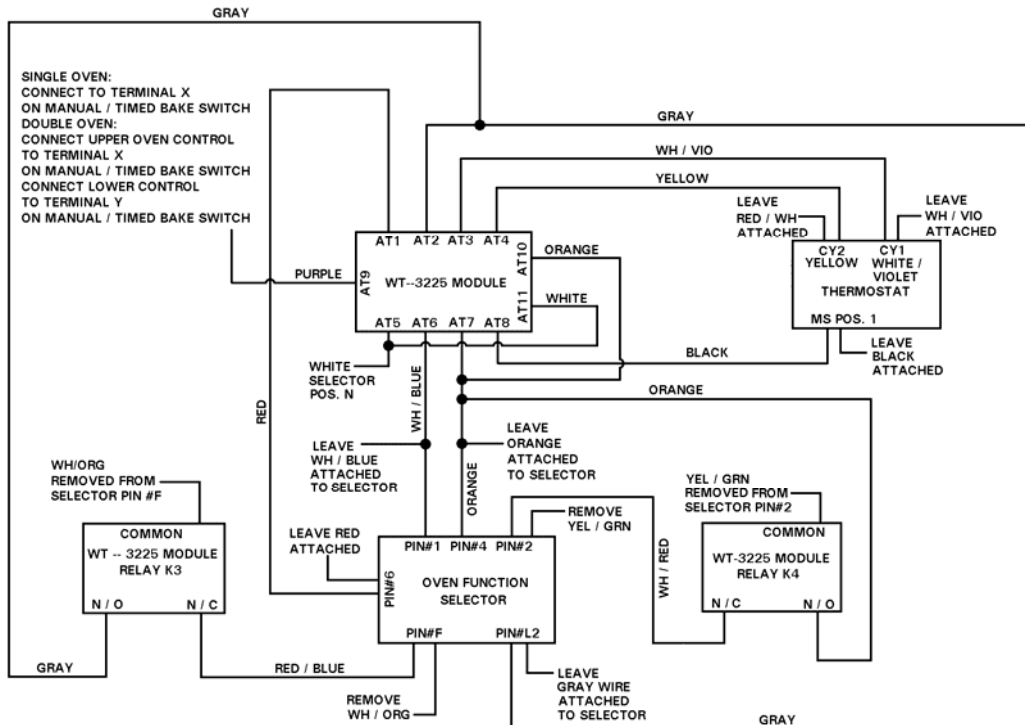
DESO/DEDO UPPER OVEN

| | |
|--------------|---|
| RED | AT1 on control board to Selector position 6 (leave existing Red wire attached to selector using the jumper connector on the wire from the preheat control board). |
| GRAY | Relay K3 position N/O on the control board to AT2 on the control board to Selector position L2 (leave existing Gray wire attached to Selector using the jumper connector on the wire from the preheat control board). |
| ORANGE | Relay K4 position N/O on the control board to AT7 on the control board to AT10 on the control board to Selector position 4 (leave existing Orange wire attached to Selector using the jumper connector on the wire from the preheat control board). |
| WHITE | AT11 on the control board to AT5 on the control board to Selector position N (leave existing White wire attached to Selector using the jumper connector on the wire from the preheat control board). |
| WHITE/BLUE | AT6 on the control board to Selector position 1 (leave existing White/Blue wire attached to Selector using the jumper connector on the wire from the preheat control board). |
| WHITE/RED | Relay K4 position N/C to Selector position 2 (remove Yellow/Green from the Selector). |
| RED/BLUE | Relay K3 position N/C to Selector position F (remove White/Orange from the Selector). |
| YELLOW/GREEN | Relay K4 position common to Yellow/Green removed from selector position 2. |
| WHITE/ORANGE | Relay K3 position common to White/Orange removed from selector position F. |
| WHITE/VIOLET | AT3 on the control board to thermostat position ! (leave existing White/Violet wire attached to the thermostat using the jumper connector on the wire from the preheat control board). |
| RED/WHITE | AT4 on the control board to thermostat position 1 (leave existing Red wire attached to the thermostat using the jumper connector on the wire from the preheat control board). |
| BLACK | AT8 on the control board to thermostat position 3 (leave existing Red/Black wire attached to the thermostat using the jumper connector on the wire from the preheat control board). |
| PURPLE | AT9 on the control board to manual/timed bake switch position X for upper oven control or position Y for lower oven control. |

PREHEAT CONTROL DESO /DEDO UPPER



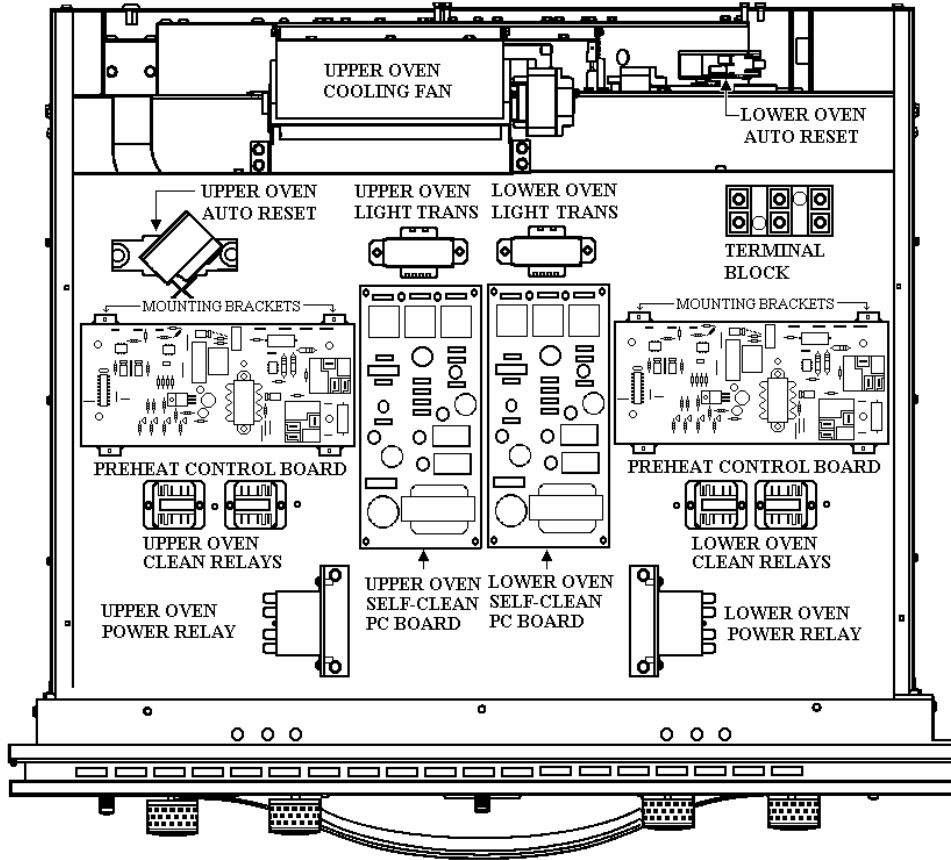
DESO / DEDO UPPER OVEN CONTROL



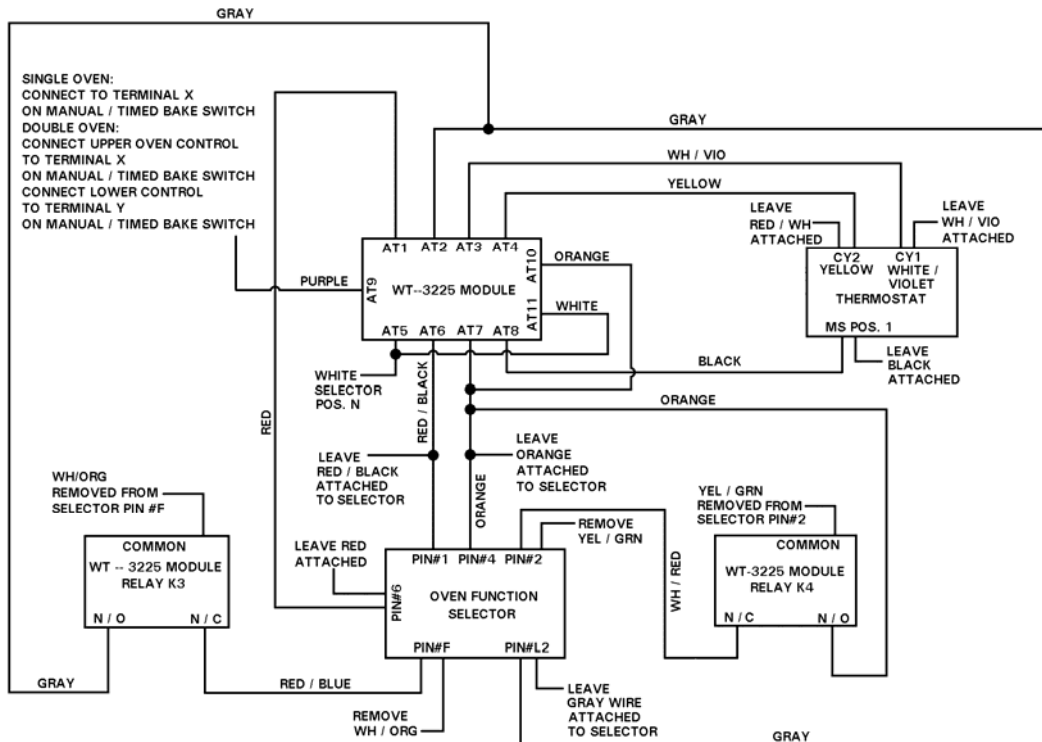
DEDO LOWER OVEN

| | |
|--------------|---|
| RED | AT1 on control board to Selector position 6 (leave existing Red wire attached to selector using the jumper connector on the wire from the preheat control board). |
| GRAY | Relay K3 position N/O on the control board to AT2 on the control board to Selector position L2 (leave existing Gray wire attached to Selector using the jumper connector on the wire from the preheat control board). |
| ORANGE | Relay K4 position N/O on the control board to AT7 on the control board to AT10 on the control board to Selector position 4 (leave existing Orange wire attached to Selector using the jumper connector on the wire from the preheat control board). |
| WHITE | AT11 on the control board to AT5 on the control board to Selector position N (leave existing White wire attached to Selector using the jumper connector on the wire from the preheat control board). |
| RED/BLACK | AT6 on the control board to Selector position 1 (leave existing White/Blue wire attached to Selector using the jumper connector on the wire from the preheat control board). |
| WHITE/RED | Relay K4 position N/C to Selector position 2 (remove Yellow/Green from the Selector). |
| RED/BLUE | Relay K3 position N/C to Selector position F (remove White/Orange from the Selector). |
| YELLOW/GREEN | Relay K4 position common to Yellow/Green removed from selector position 2. |
| WHITE/ORANGE | Relay K3 position common to White/Orange removed from selector position F. |
| WHITE/VIOLET | AT3 on the control board to thermostat position ! (leave existing White/Violet wire attached to the thermostat using the jumper connector on the wire from the preheat control board). |
| RED/WHITE | AT4 on the control board to thermostat position 1 (leave existing Red wire attached to the thermostat using the jumper connector on the wire from the preheat control board). |
| BLACK | AT8 on the control board to thermostat position 3 (leave existing Red/Black wire attached to the thermostat using the jumper connector on the wire from the preheat control board). |
| PURPLE | AT9 on the control board to manual/timed bake switch position X for upper oven control or position Y for lower oven control. |

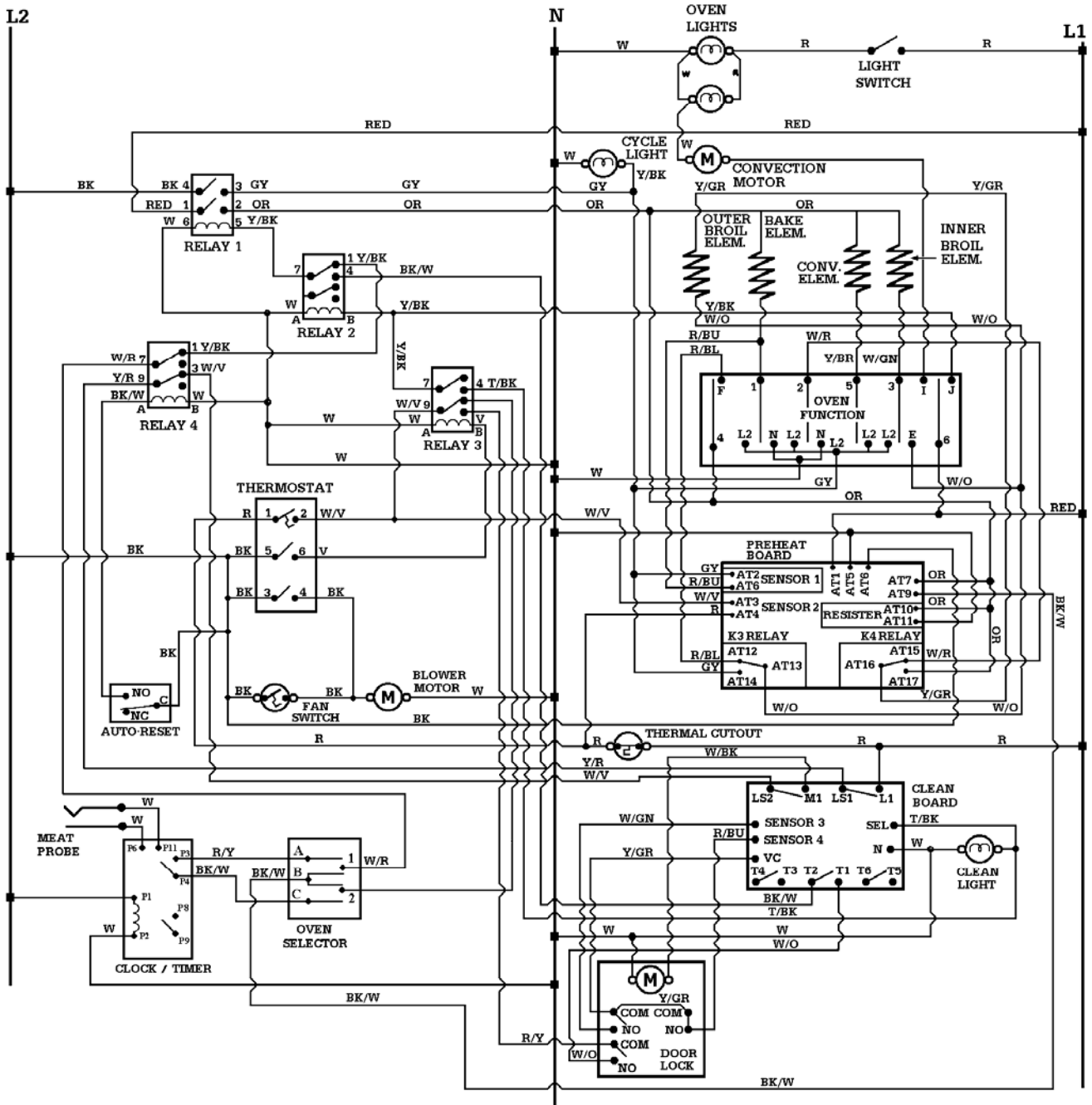
PREHEAT CONTROL DEDO



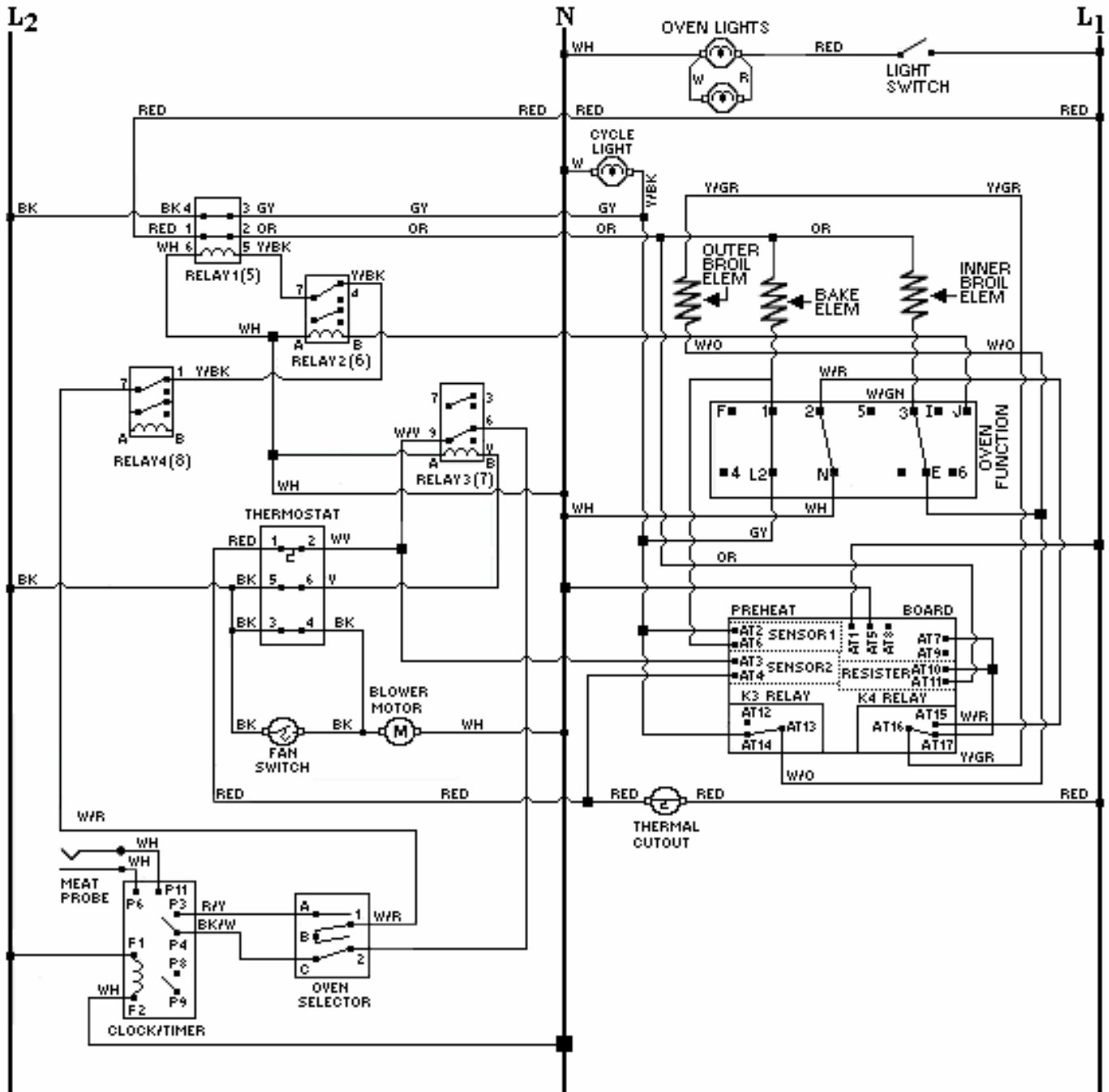
DEDO LOWER OVEN CONTROL



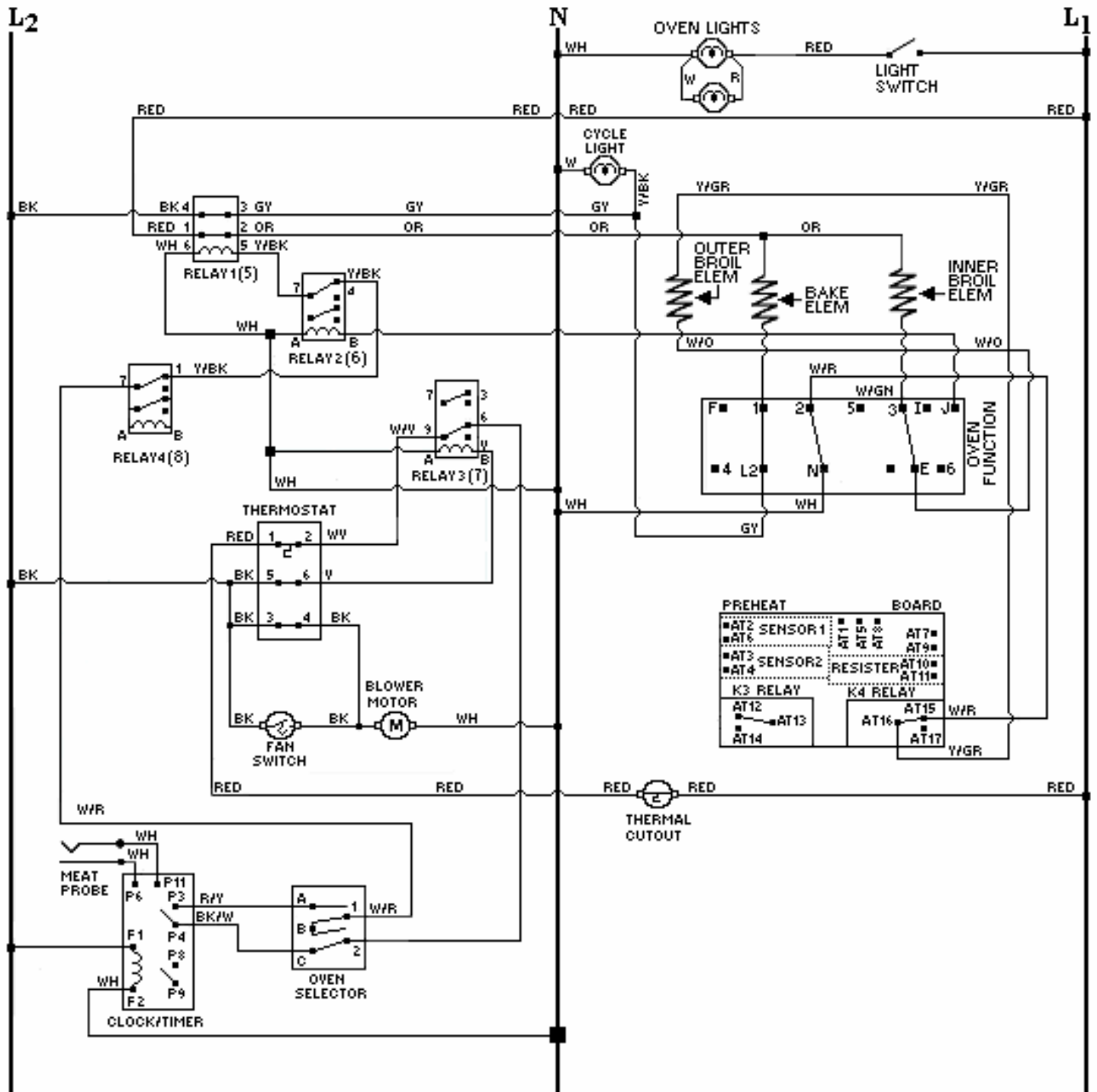
WIRING DIAGRAM 36" W. BUILT-IN ELECTRIC SINGLE OVEN



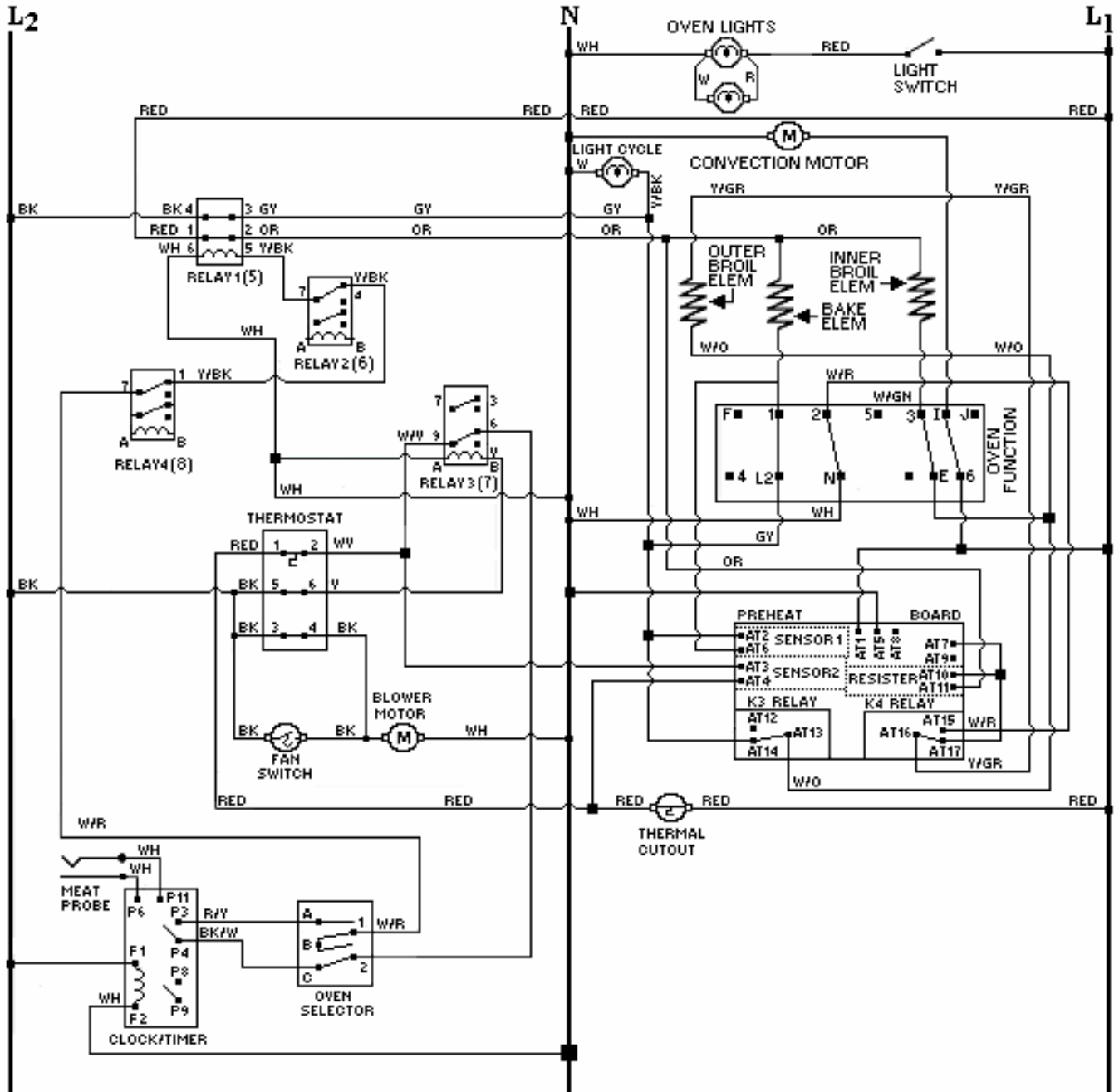
VESO165 WIRING DIAGRAM BAKE / INITIAL CYCLE with PRE-HEAT



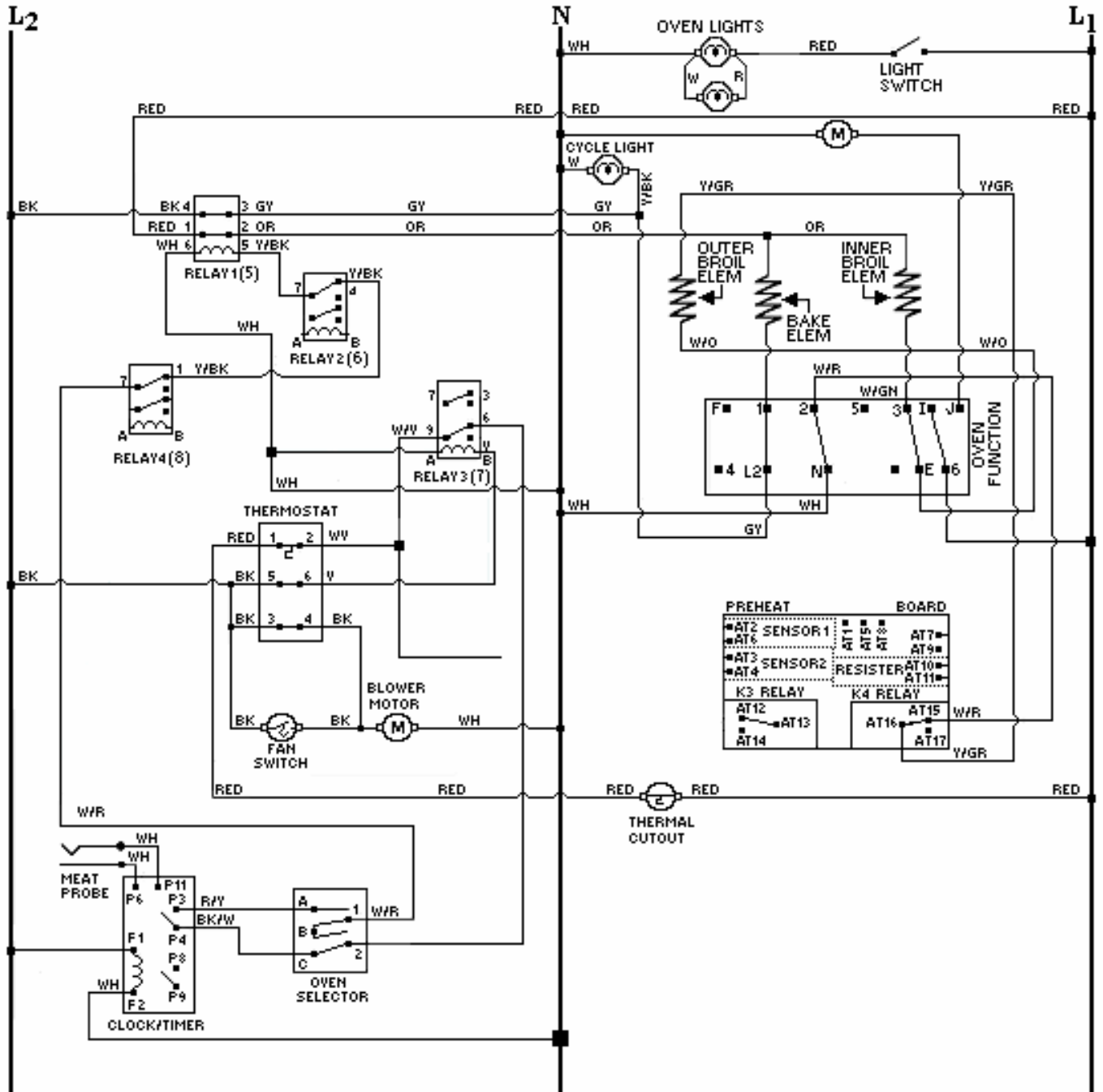
VESO165 WIRING DIAGRAM BAKE after FIRST CYCLE



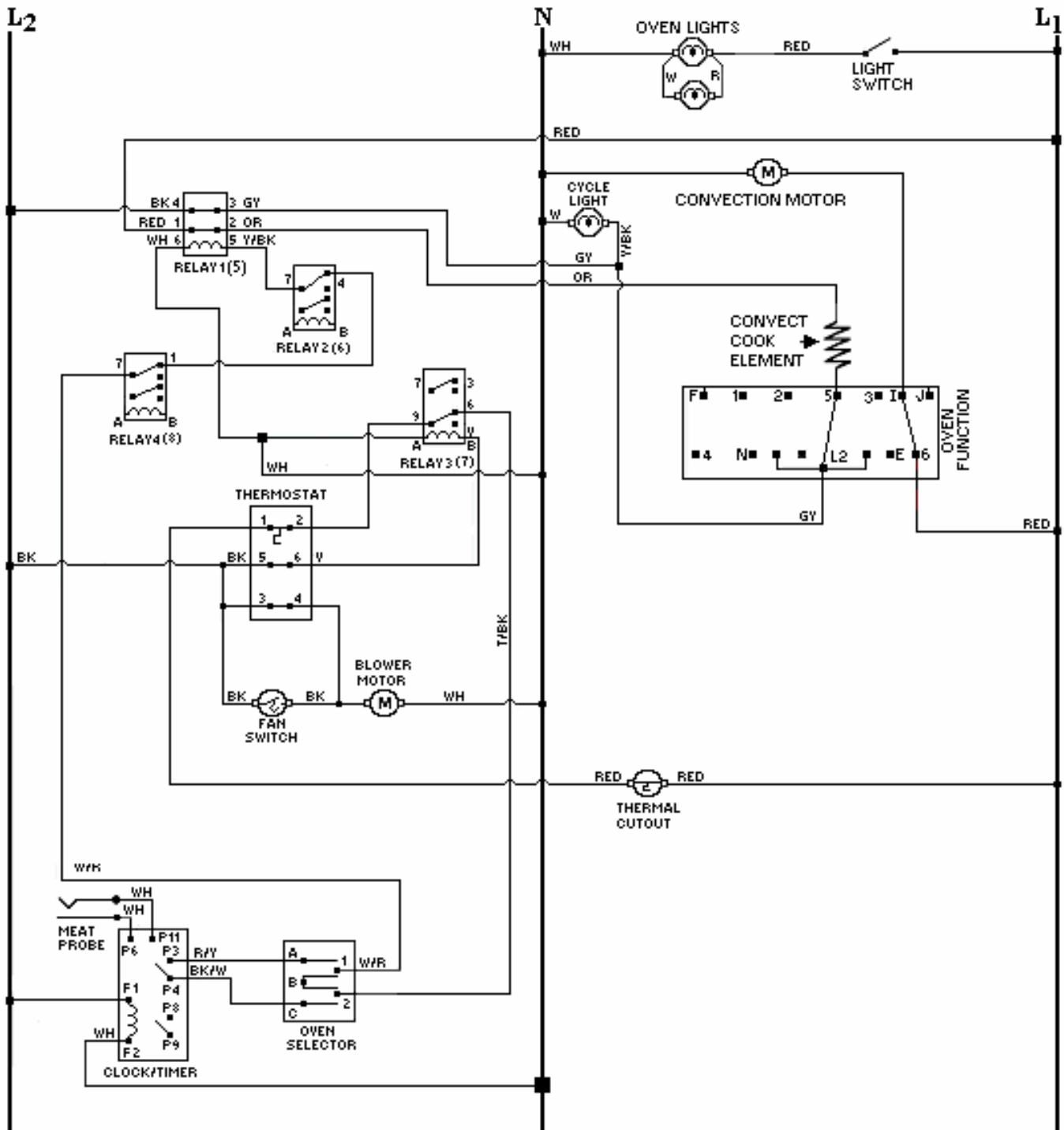
VESO165 WIRING DIAGRAM CONVECTION BAKE / INITIAL CYCLE with PRE-HEAT



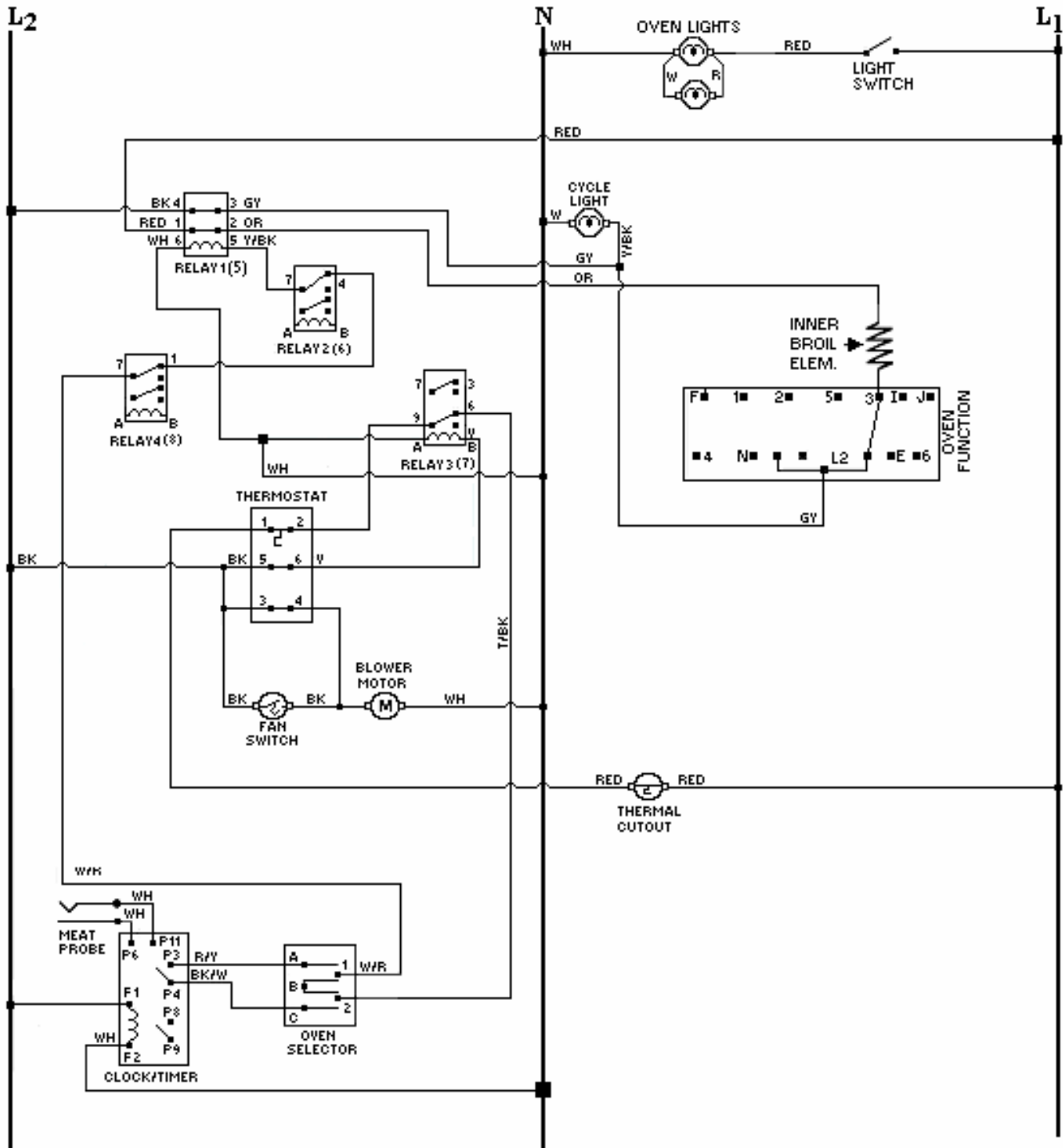
VESO165 WIRING DIAGRAM CONVECTION BAKE



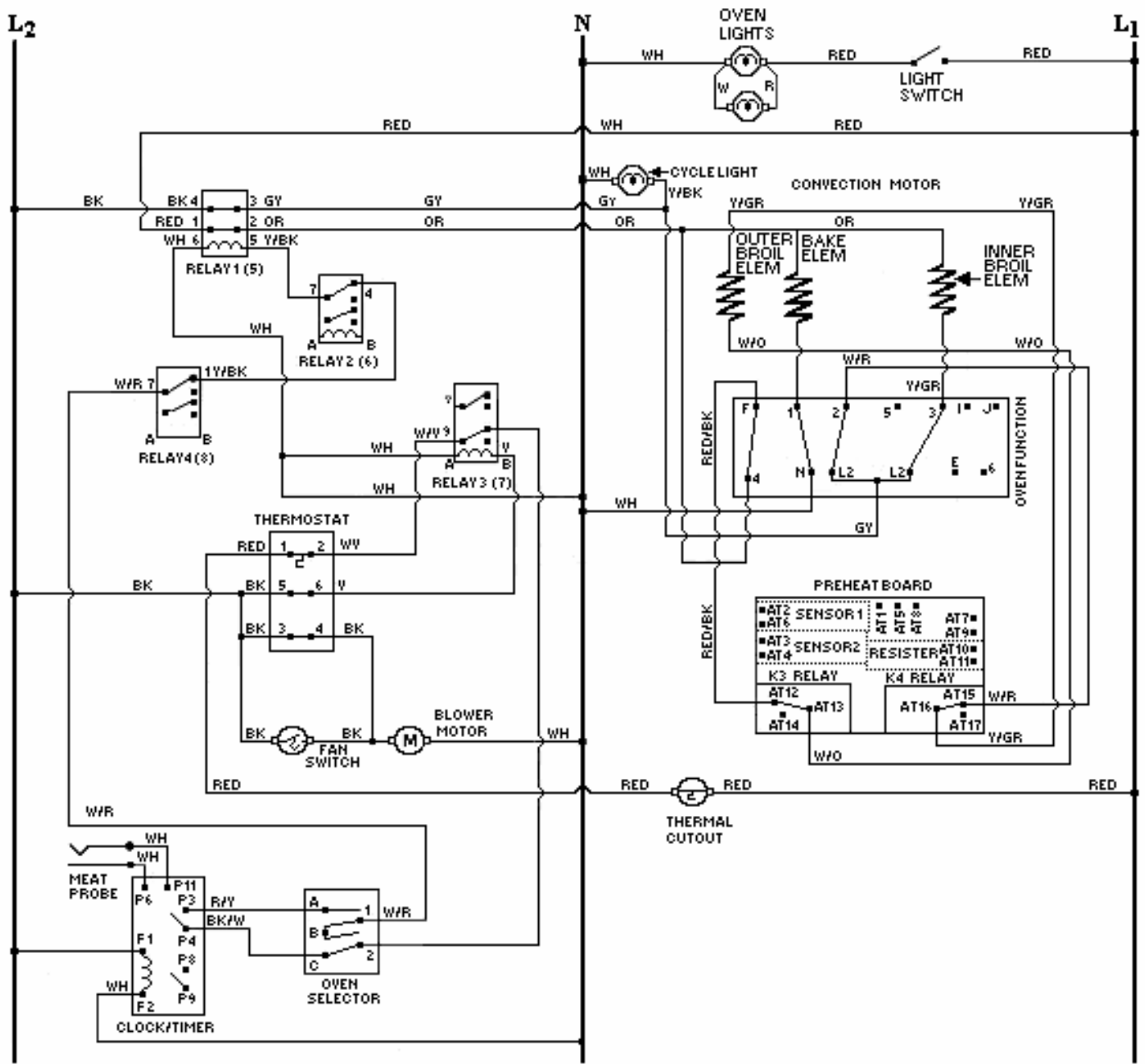
VESO 165 WIRING DIAGRAM CONVECTION COOK



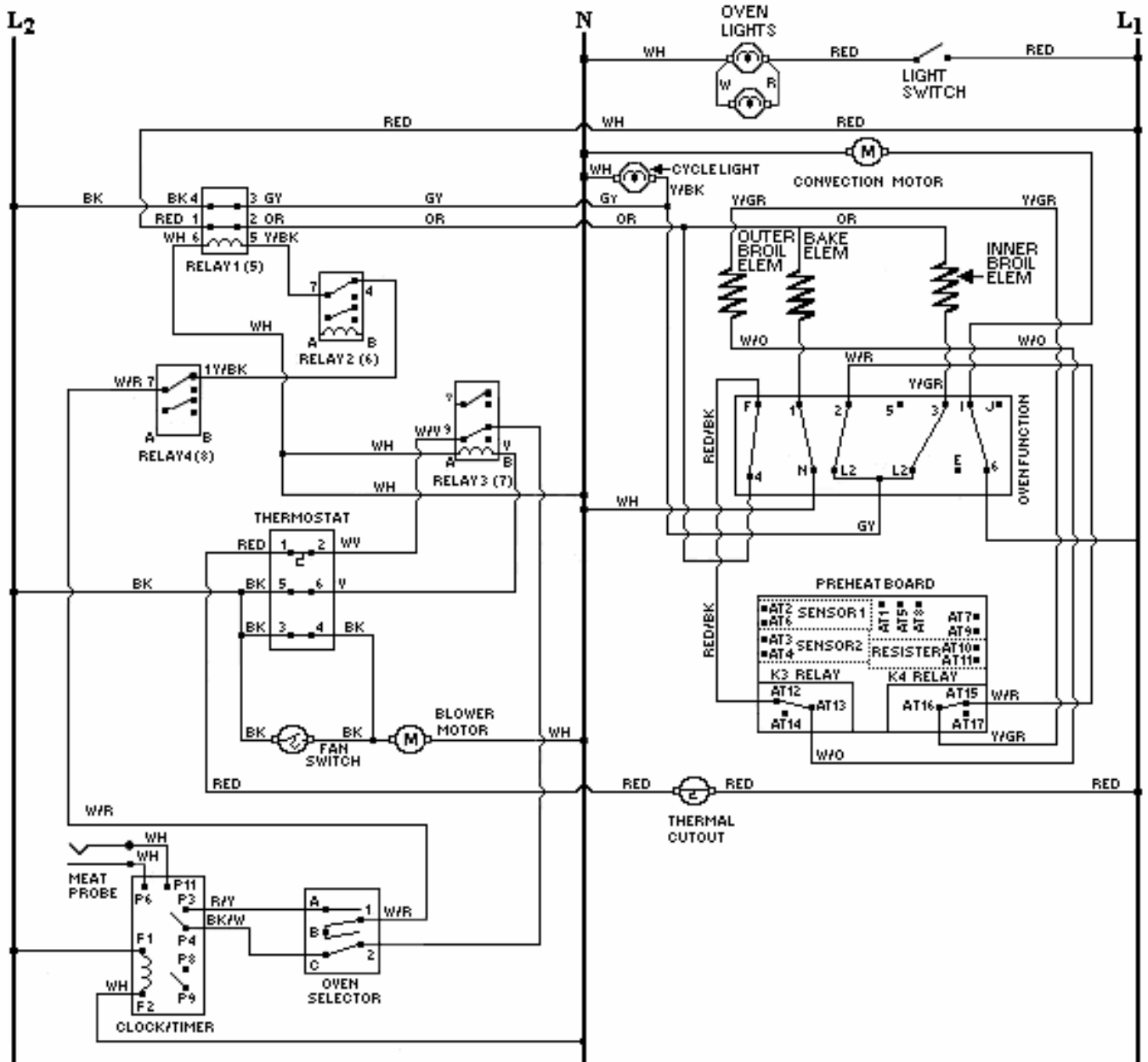
VGSO 165 WIRING DIAGRAM BROIL



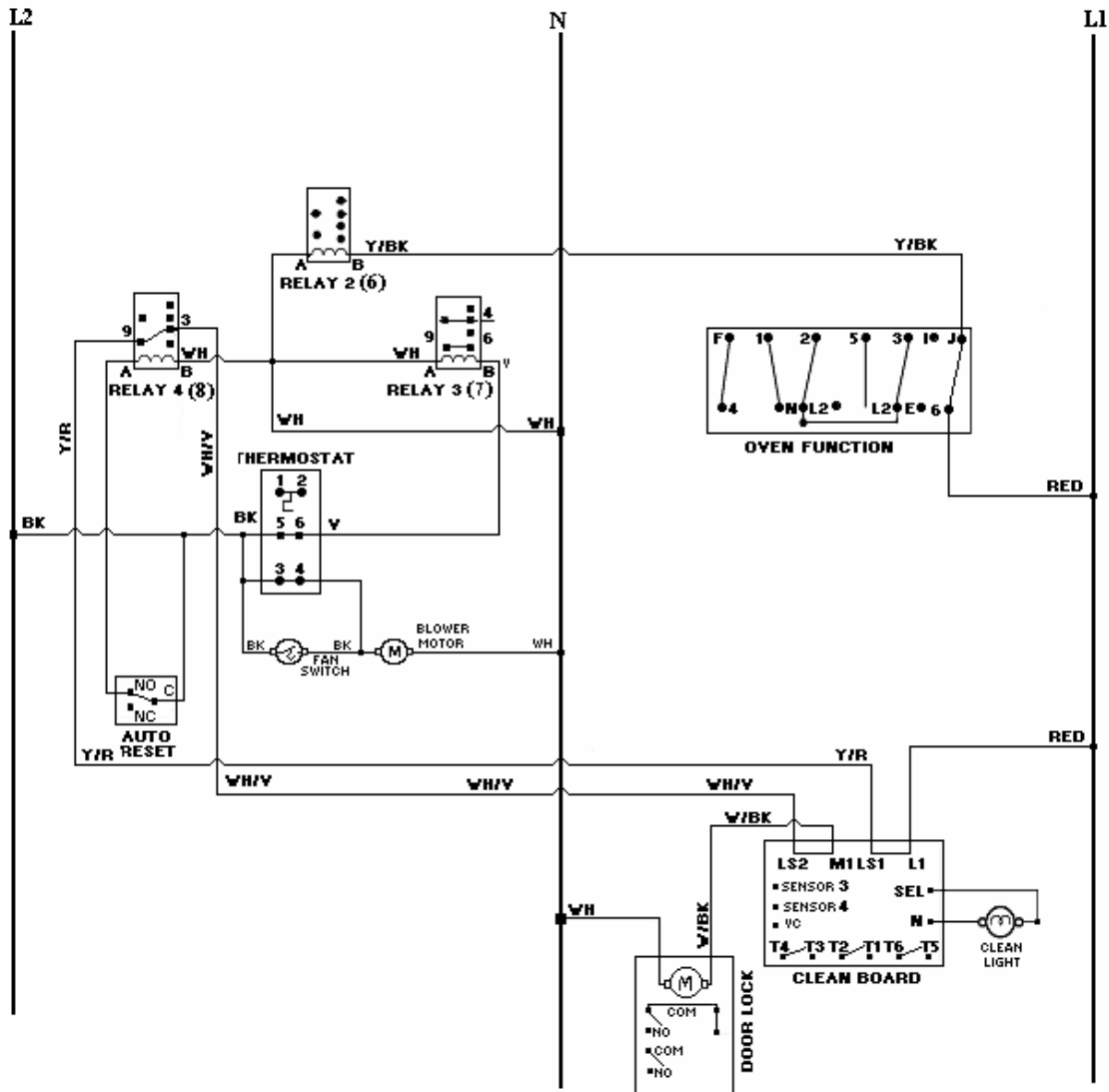
VESO165 WIRING DIAGRAM MAXI BROIL



VESO165 WIRING DIAGRAM CONVECTION BROIL

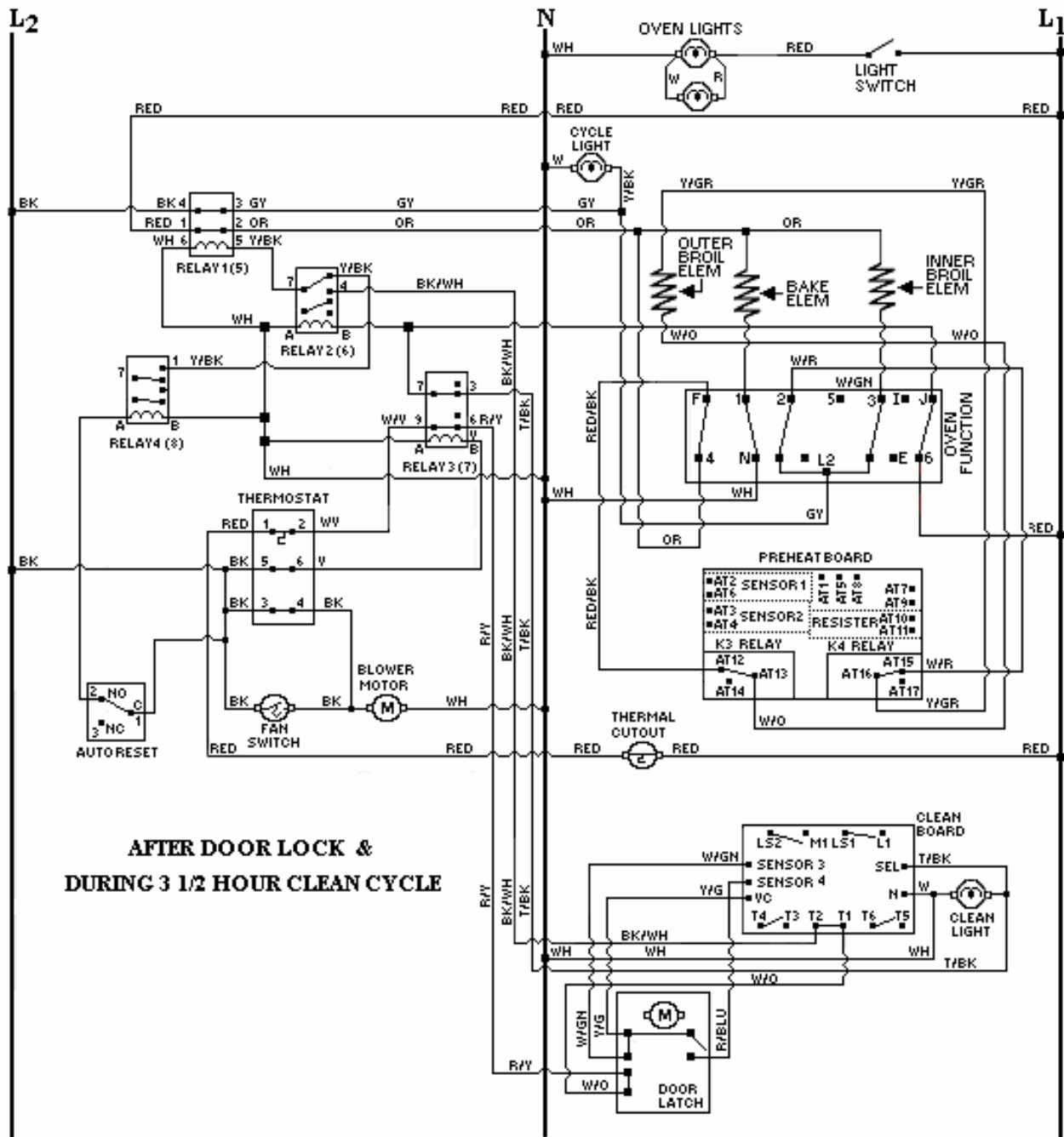


CLEAN INITIATE UNTIL DOOR LOCK

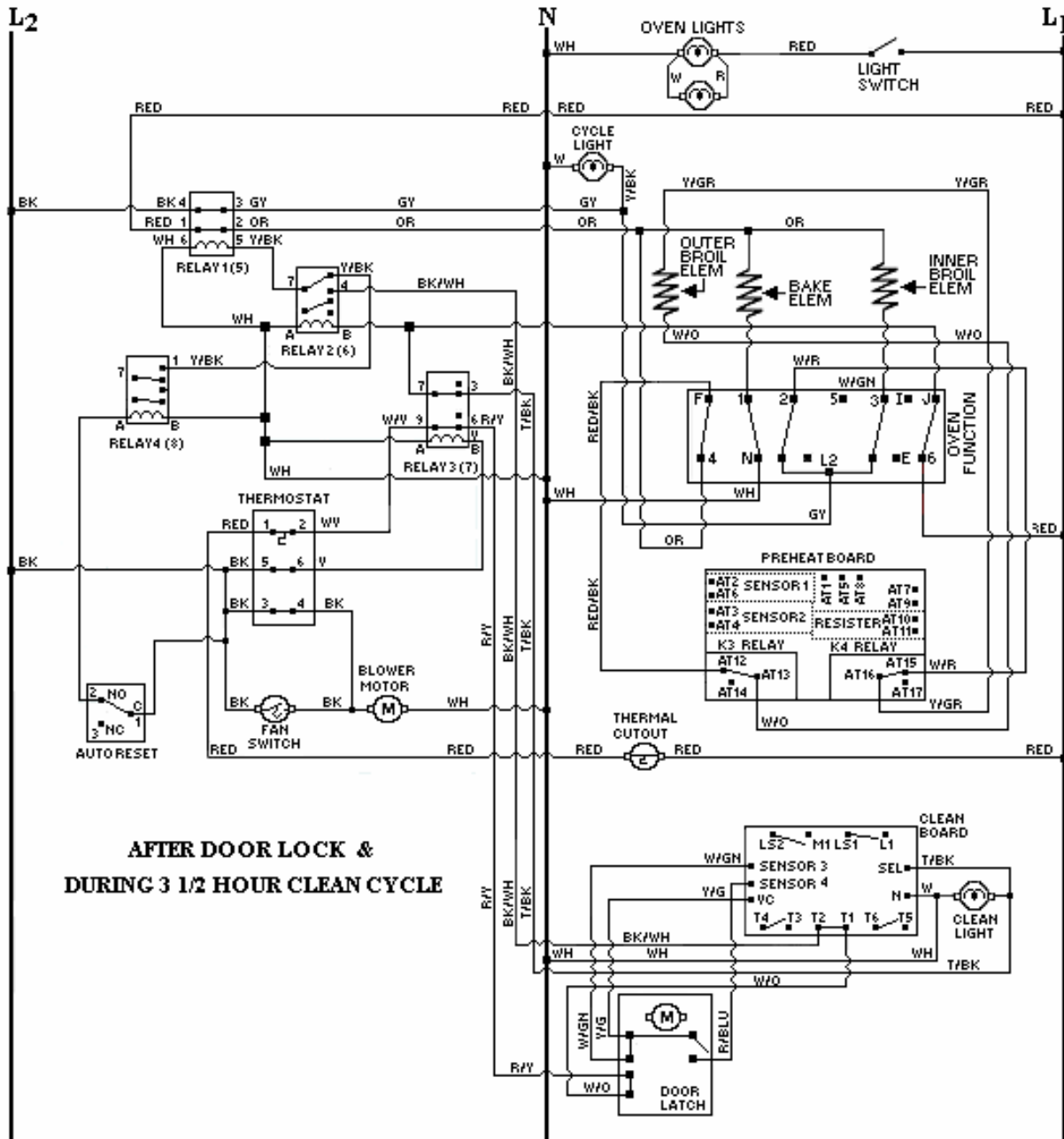


SELECT CLEAN position closes heating element circuits 4-F, 1-N, 2-L2, 3-L2 and door lock module / timer circuit J6 switches relay 2. Thermostat clean position closes the cycle switch and thermostat clean switch, which switches relay3. Switching relay 3 allows circuit J-6 to enable the door lock module / timer which closes LS-L1 and LS2-M1. 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.

SELF CLEAN DOOR LOCK ABOVE 575° F ±25° F



CLEAN DOOR LOCK BELOW 575° F ±25° F

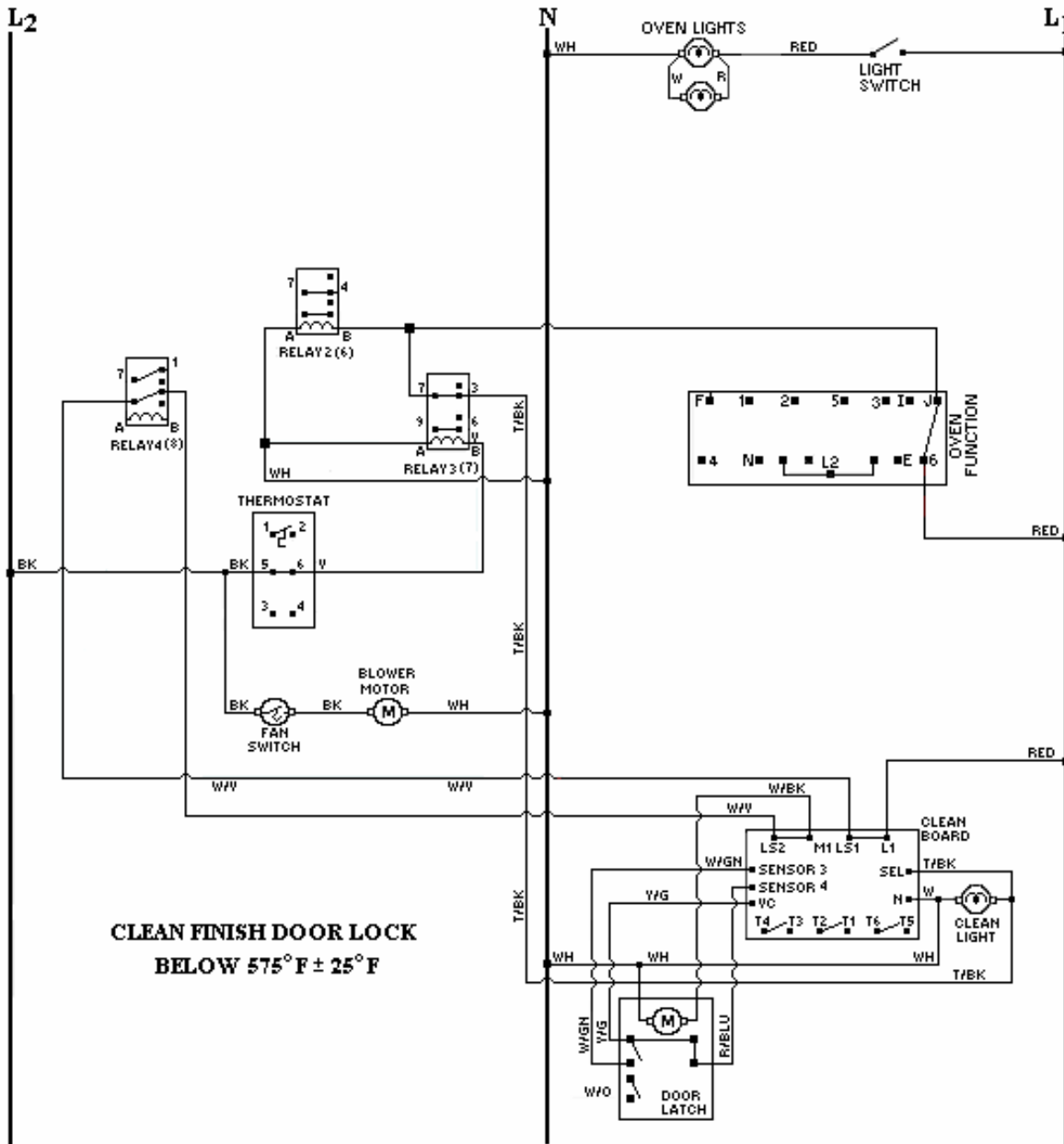


**AFTER DOOR LOCK &
DURING 3 1/2 HOUR CLEAN CYCLE**

10 Seconds after the signal to sensor #3, switch LS2 – M1 is opened, stopping the door lock motion and switches T1 – T2 and T3 – T4 which switches relay 1, powering the cooling fan, which closes relay 1 powering the inside and outside broil elements at 240VAC and the bake element to 120VAC.

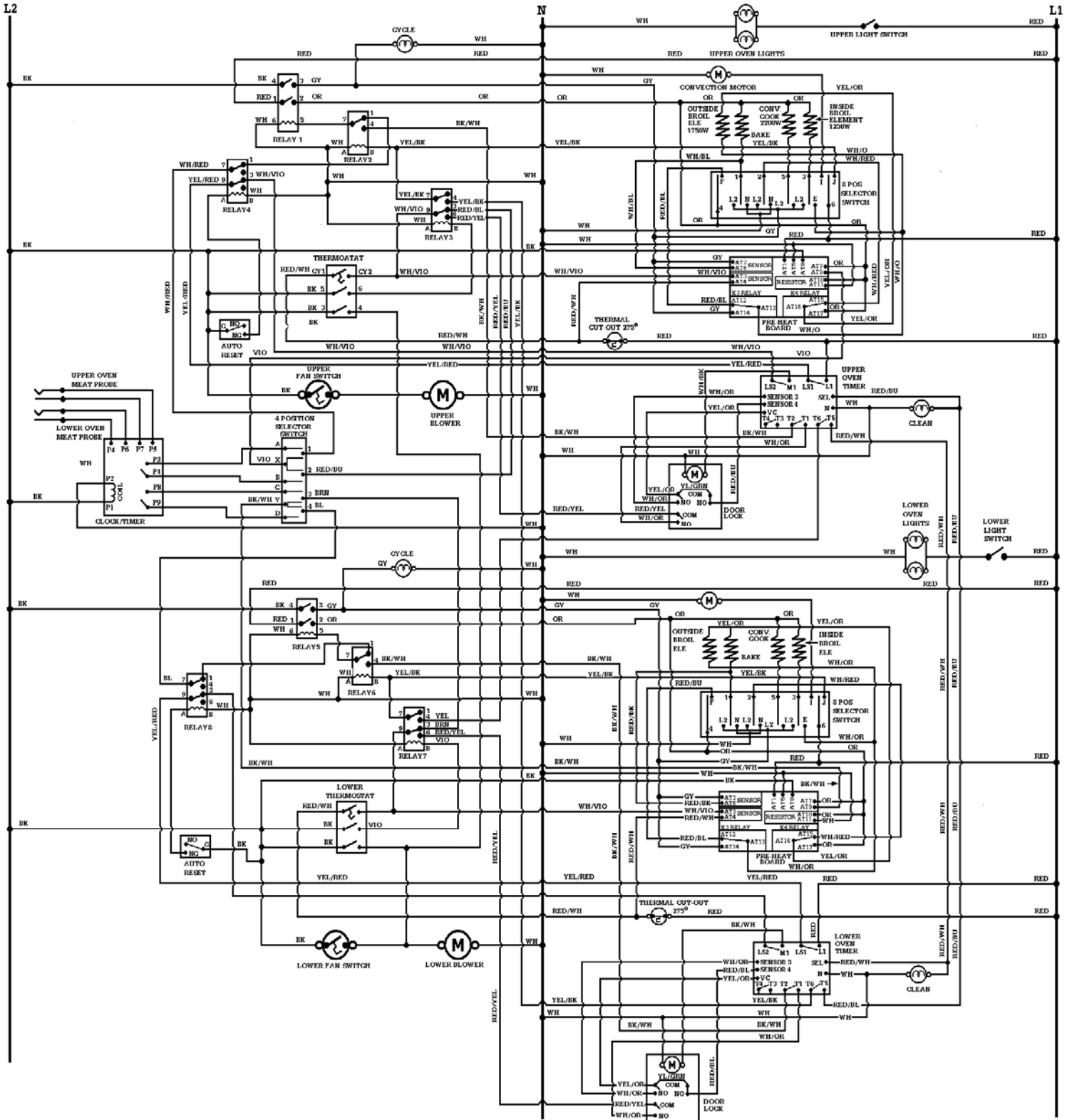
After door lock above 575° and during the 3 ½ hour self-clean Auto Reset remains closed removing the supply voltage to door lock motor.

CLEAN FINISH DOOR LOCK BELOW 575° F ± 25° F



AUTO reset switches 1 – 2 closed allowing the door lock motor to operate and turning the door lock light off. The door lock motor operates until 2 seconds after sensor 4 is signaled by VC that the door lock SW1 has been closed mechanically by the door lock bolt. The door lock / timer switches LS2 – M – 1 and LS1 – L1 open and the timer resets.

WIRING DIAGRAM 36" W. BUILT-IN ELECTRIC DOUBLE OVEN



VEIS100 BUILT-IN SMOKER OVEN

