

D. Ignition module removes 24VAC output from IND/MV1 terminal of ignition module to P2(12-pin) ignition status input of cooking controller and TH terminal of gas valve.

12. When Cooking control calls for heat, sequence begins again at STEP 5.1.A.

- 1) Gas flow stops to burner and burner goes out.

SCHEMATICS

VHG Schematics 11 x 17

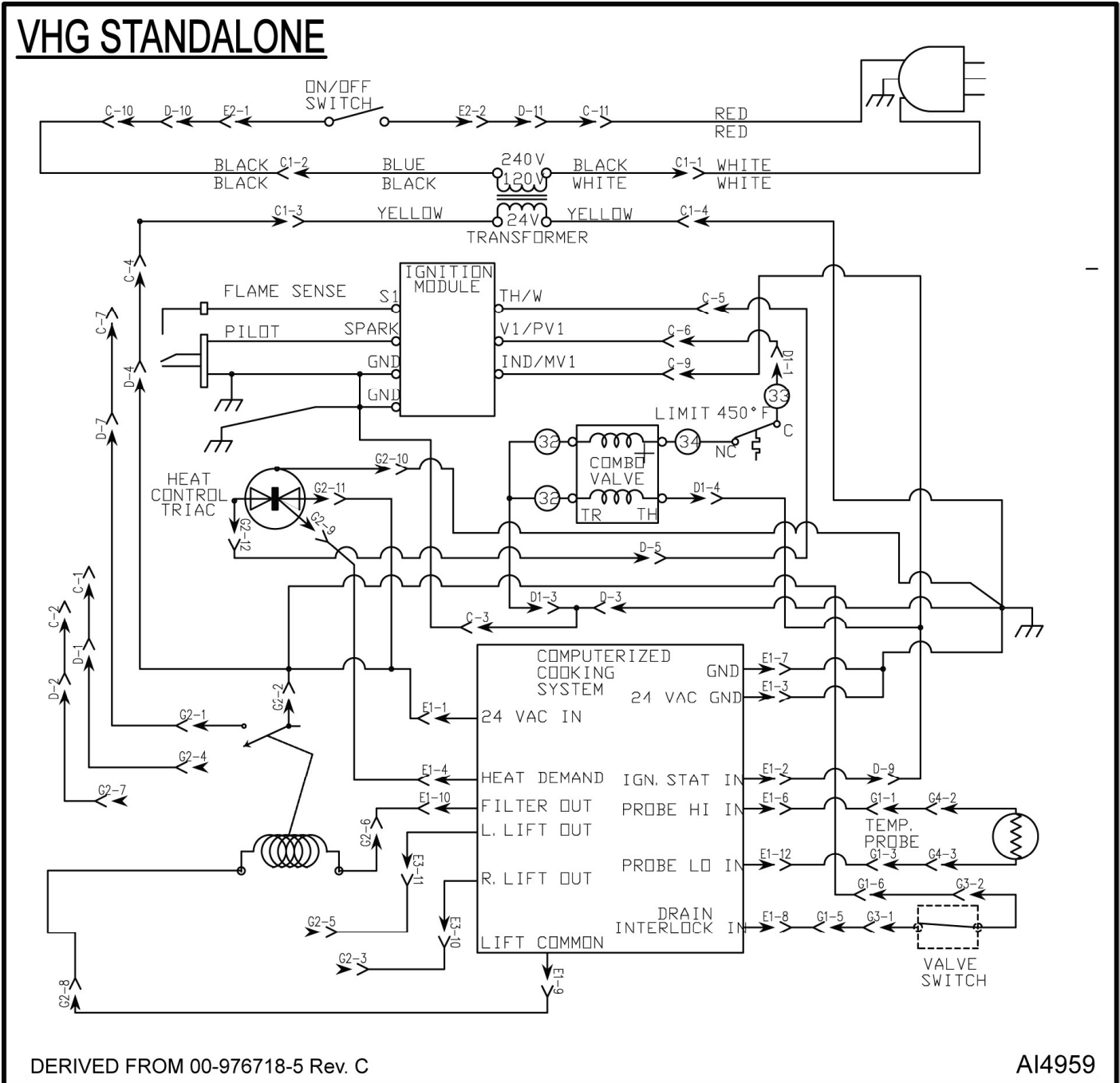


Fig. 95

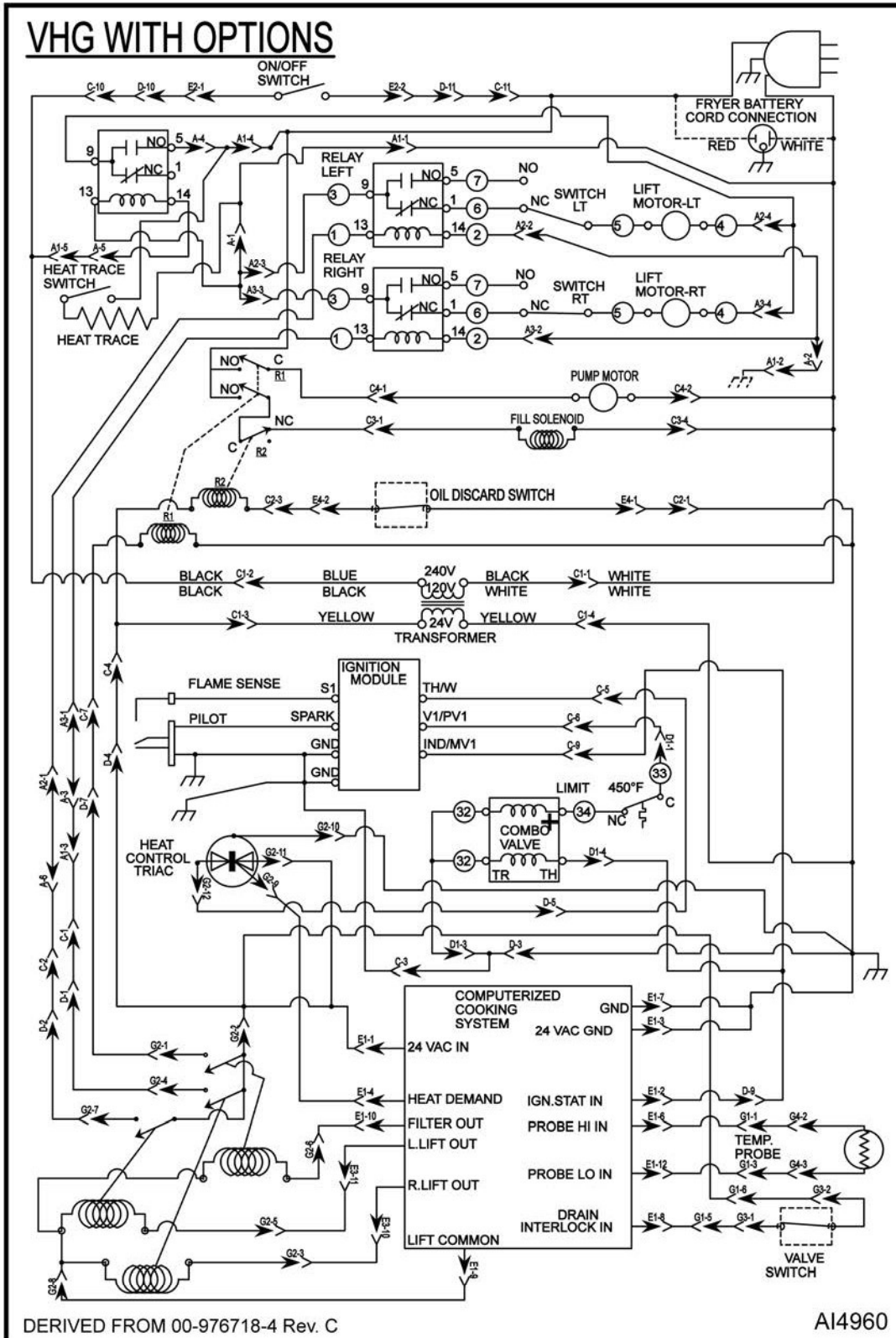
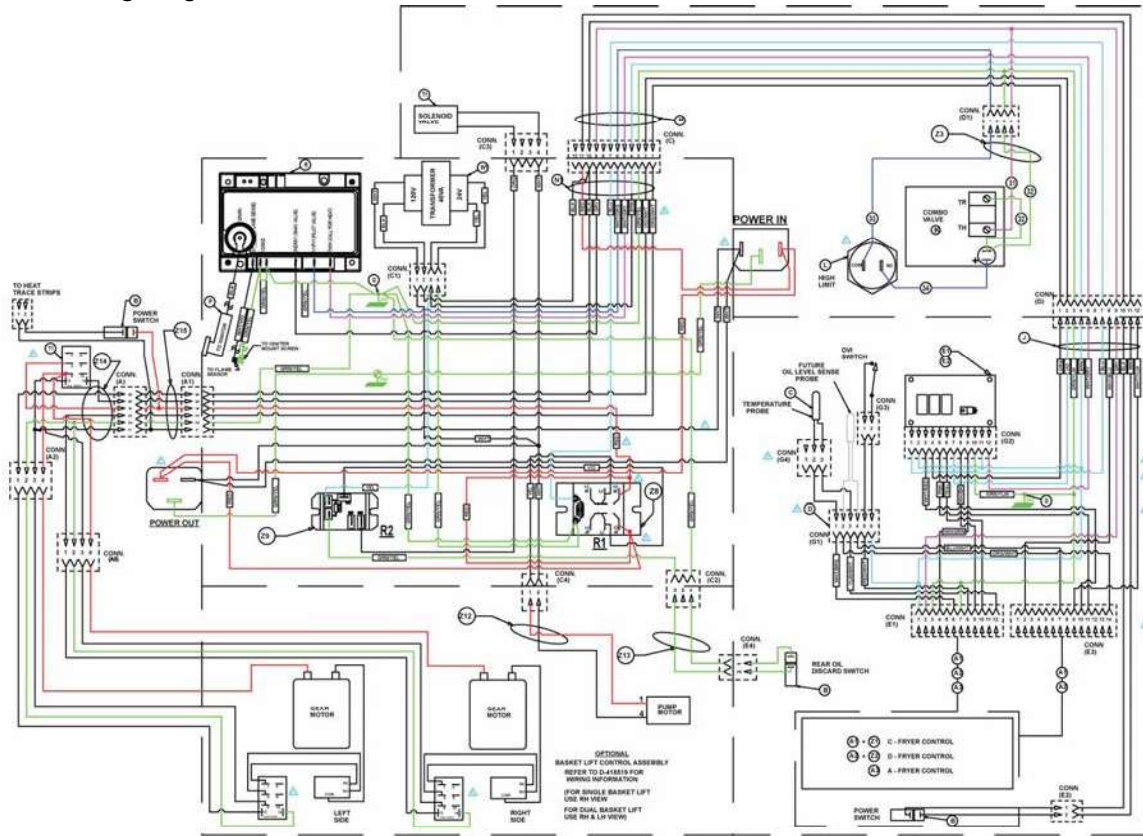


Fig. 96

WIRING DIAGRAMS

VHG Wiring Diagrams 11 x 17



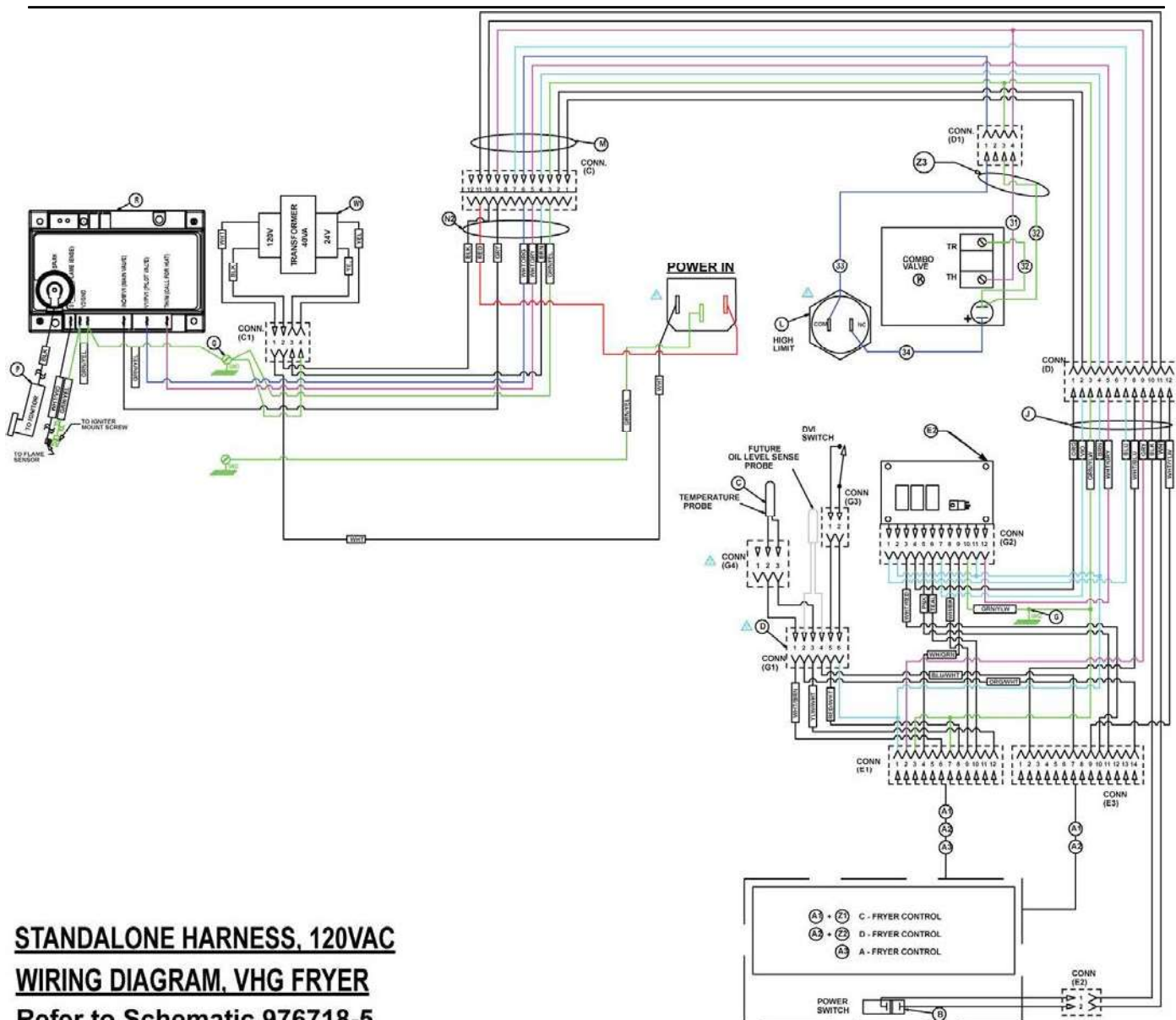
**WIRING DIAGRAM, VHG FRYER
OPTION HARNESS, 120VAC
Refer to Schematic 97618-4
Derived From 97618-1 Rev G**

A14961

Fig. 97

VHG 120 VAC WIRING DIAGRAM WITH OPTIONS 120 VAC	
ITEM	DESCRIPTION
A1	C-CONTROL
A2	D-CONTROL
A3	A-CONTROL
Z1	HARNESS, CONNECTOR, C-CONTROL
Z2	HARNESS, CONNECTOR, D-CONTROL
B	ROCKER SWITCH ASSEMBLY
C	VHG THERMISTOR PROBE
D	HARNESS, DVI, VHG
E1	INTERFACE BOARD W/ BASKET LIFT
E2	INTERFACE BOARD W/ O BASKET LIFT
G	TERMINIAL, STATIONARY
J	INTERFACE HARNESS
K	COMBO VALVE
L	HI-LIMIT, FENWAL

VHG 120 VAC WIRING DIAGRAM WITH OPTIONS 120 VAC	
ITEM	DESCRIPTION
M	MAIN HARNESS
N1	HARNESS, POWER BOX, OPTION
P	IGNITER CABLE
R	IGNITER MODULE
T1	SWITCH, RELAY 120V
W1	HARNESS, TRANS., 40VA, 120V/24V
Z3	HARNESS, VALVE, GAS
Z8	RELAY 1 HP 120 VOLT
Z9	RELAY SPST 245 VAC COIL
Z12	HARNESS, MOTOR, PUMP, VHG
Z13	HARNESS, FILTER, SWITCH
Z14	HARNESS, BASKET LIFT
Z15	HARNESS, HEAT TRACE



STANDALONE HARNESS, 120VAC

WIRING DIAGRAM, VHG FRYER

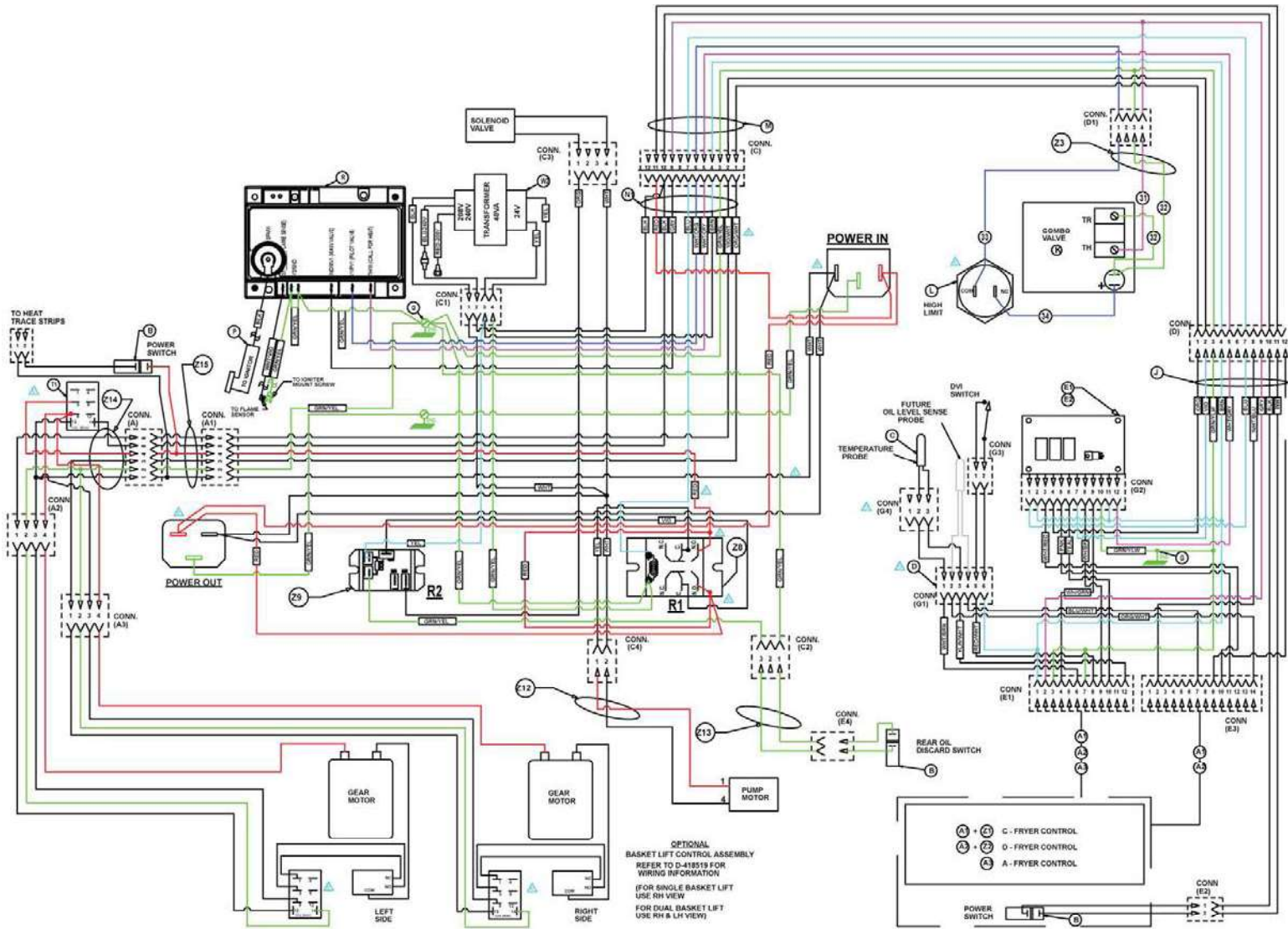
Refer to Schematic 976718-5
Derived From 97618-1 Rev G

AI4962

Fig. 98

VHG 120 VAC WIRING DIAGRAM STAND ALONE HARNESS 120 VAC	
ITEM	DESCRIPTION
A1	C-CONTROL
A2	D-CONTROL
A3	A-CONTROL
Z1	HARNESS, CONNECTOR, C-CONTROL
Z2	HARNESS, CONNECTOR, D-CONTROL
B	ROCKER SWITCH ASSEMBLY
C	VHG THERMISTOR PROBE
D	HARNESS, DVI, VHG
E2	INTERFACE BOARD W/ O BASKET LIFT
G	TERMINIAL, STATIONARY
J	INTERFACE HARNESS
K	COMBO VALVE

VHG 120 VAC WIRING DIAGRAM STAND ALONE HARNESS 120 VAC	
ITEM	DESCRIPTION
L	HI-LIMIT, FENWAL
M	MAIN HARNESS
N2	HARNESS, POWER BOX, STANDALONE
P	IGNITER CABLE
R	IGNITER MODULE
W1	HARNESS, TRANS., 40VA, 120V/24V
Z3	HARNESS, VALVE, GAS



WIRING DIAGRAM, VHG FRYER

OPTION HARNESS, 240VAC

Refer to Schematic 976718-4
 Derived From 97618-1 Rev G

AI4963

Fig. 99

VHG 120 VAC WIRING DIAGRAM WITH OPTIONS 240 VAC	
ITEM	DESCRIPTION
A1	C-CONTROL
A2	D-CONTROL
A3	A-CONTROL
Z1	HARNESS, CONNECTOR, C-CONTROL
Z2	HARNESS, CONNECTOR, D-CONTROL
B	ROCKER SWITCH ASSEMBLY
C	VHG THERMISTOR PROBE
D	HARNESS, DVI, VHG
E1	INTERFACE BOARD W/ BASKET LIFT
E2	INTERFACE BOARD W/ O BASKET LIFT
G	TERMINIAL, STATIONARY
J	INTERFACE HARNESS
K	COMBO VALVE
L	HI-LIMIT, FENWAL
M	MAIN HARNESS
N1	HARNESS, POWER BOX, OPTION
P	IGNITER CABLE
R	IGNITER MODULE
T1	SWITCH, RELAY 120V
W2	HARNESS, TRANS., 40VA, 208V/240V
Z3	HARNESS, VALVE, GAS
Z8	RELAY 1 HP 120 VOLT
Z9	RELAY SPST 245 VAC COIL
Z12	HARNESS, MOTOR , PUMP, VHG
Z13	HARNESS, FILTER, SWITCH
Z14	HARNESS, BASKET LIFT
Z15	HARNESS, HEAT TRACE

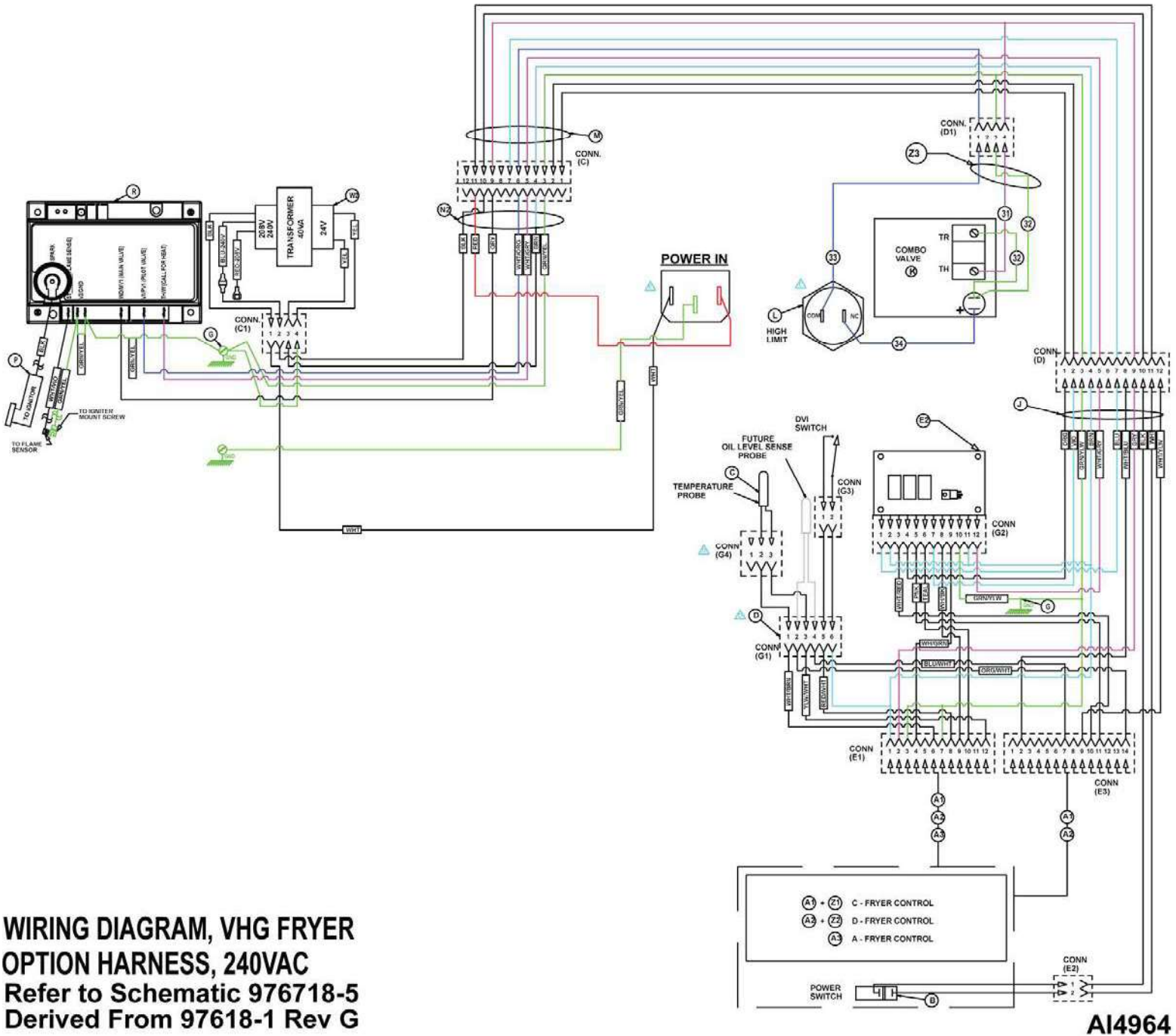
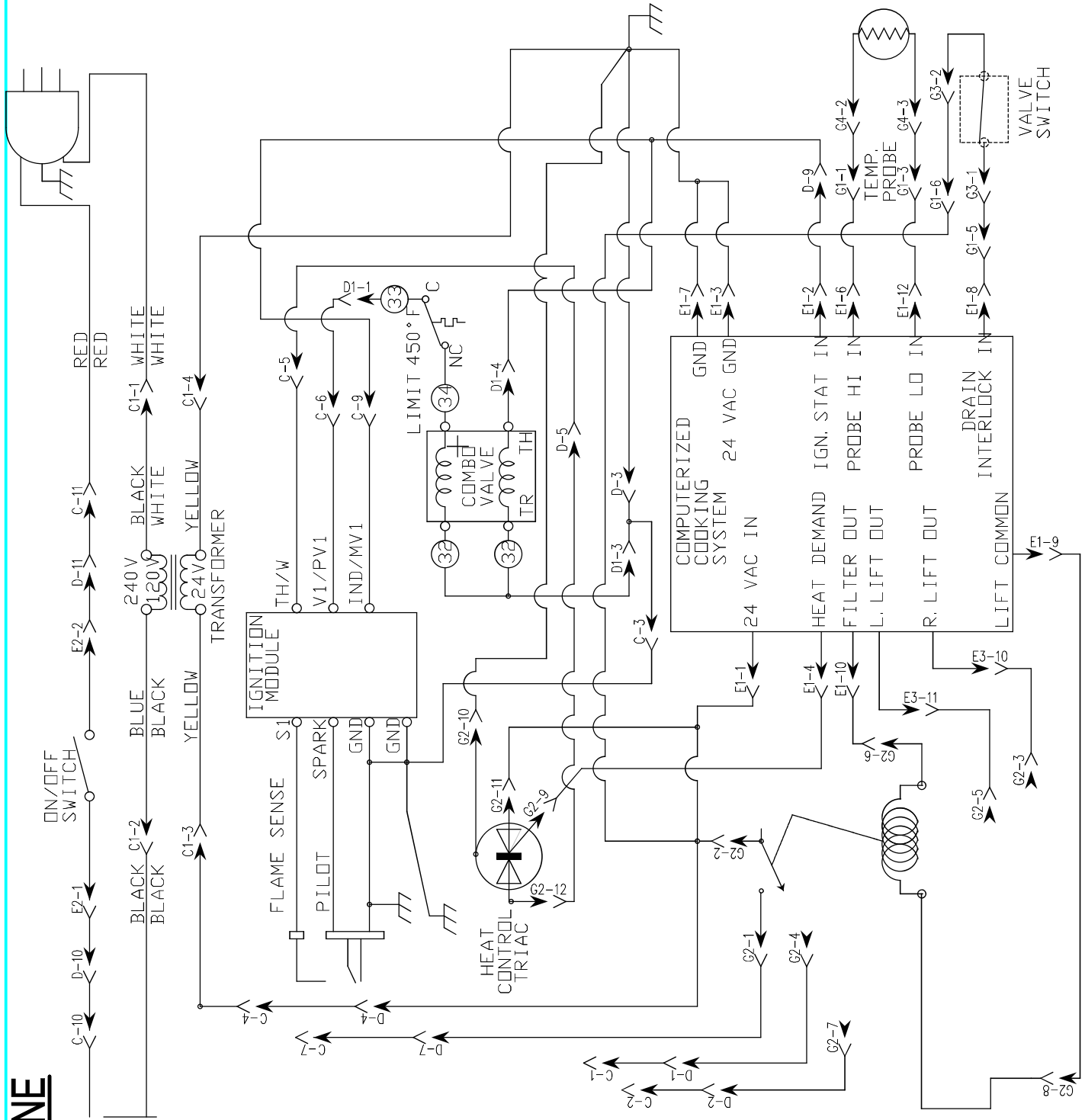


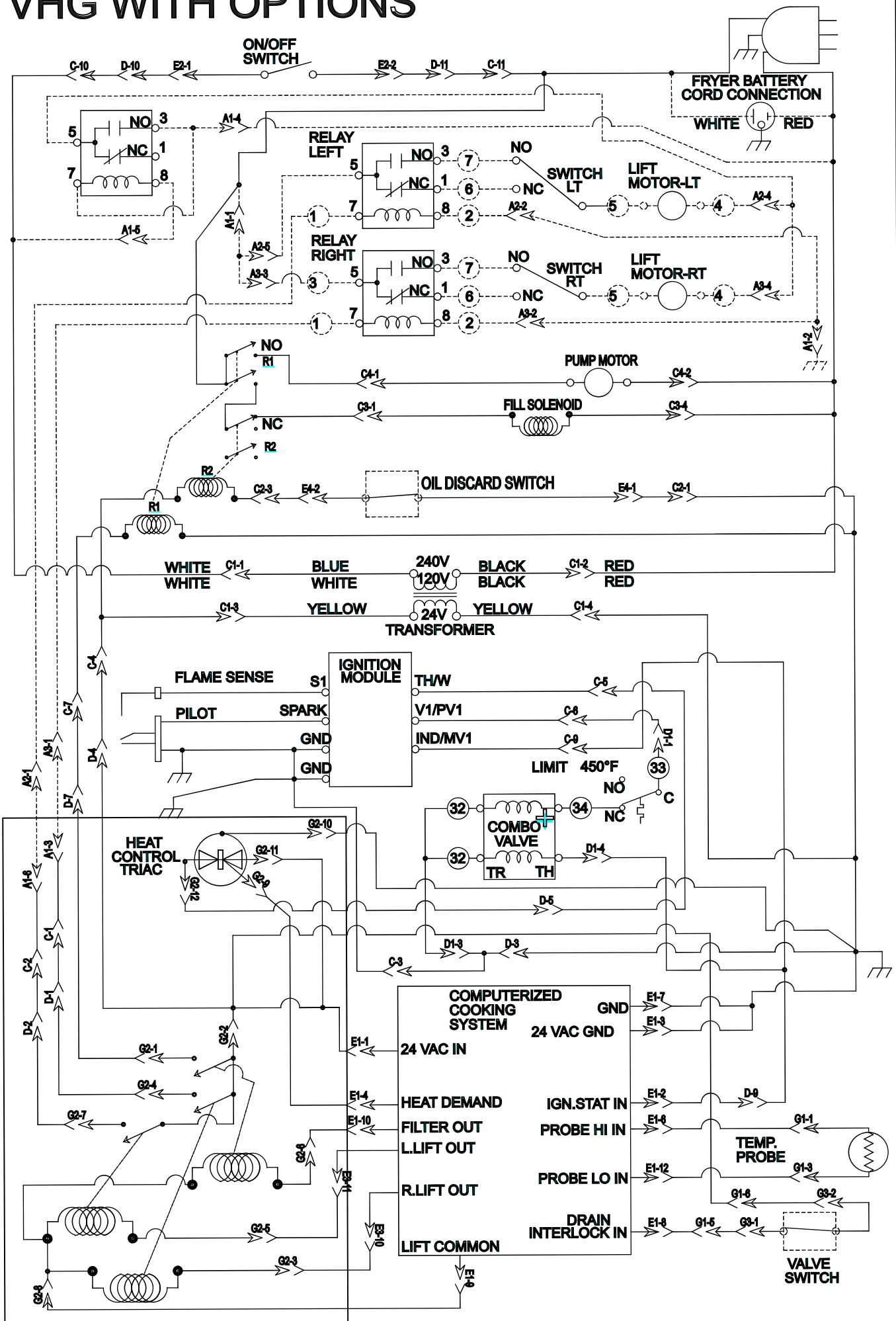
Fig. 100

VHG 120 VAC WIRING DIAGRAM STAND ALONE HARNESS 240 VAC	
ITEM	DESCRIPTION
A1	C-CONTROL
A2	D-CONTROL
A3	A-CONTROL
Z1	HARNESS, CONNECTOR, C-CONTROL
Z2	HARNESS, CONNECTOR, D-CONTROL
B	ROCKER SWITCH ASSEMBLY
C	VHG THERMISTOR PROBE
D	HARNESS, DVI, VHG
E2	INTERFACE BOARD W/ O BASKET LIFT
G	TERMINIAL, STATIONARY
J	INTERFACE HARNESS
K	COMBO VALVE
L	HI-LIMIT, FENWAL
M	MAIN HARNESS
N2	HARNESS, POWER BOX, STANDALONE
P	IGNITER CABLE
R	IGNITER MODULE
W2	HARNESS, TRANS., 40VA, 208V/24V
Z3	HARNESS, VALVE, GAS

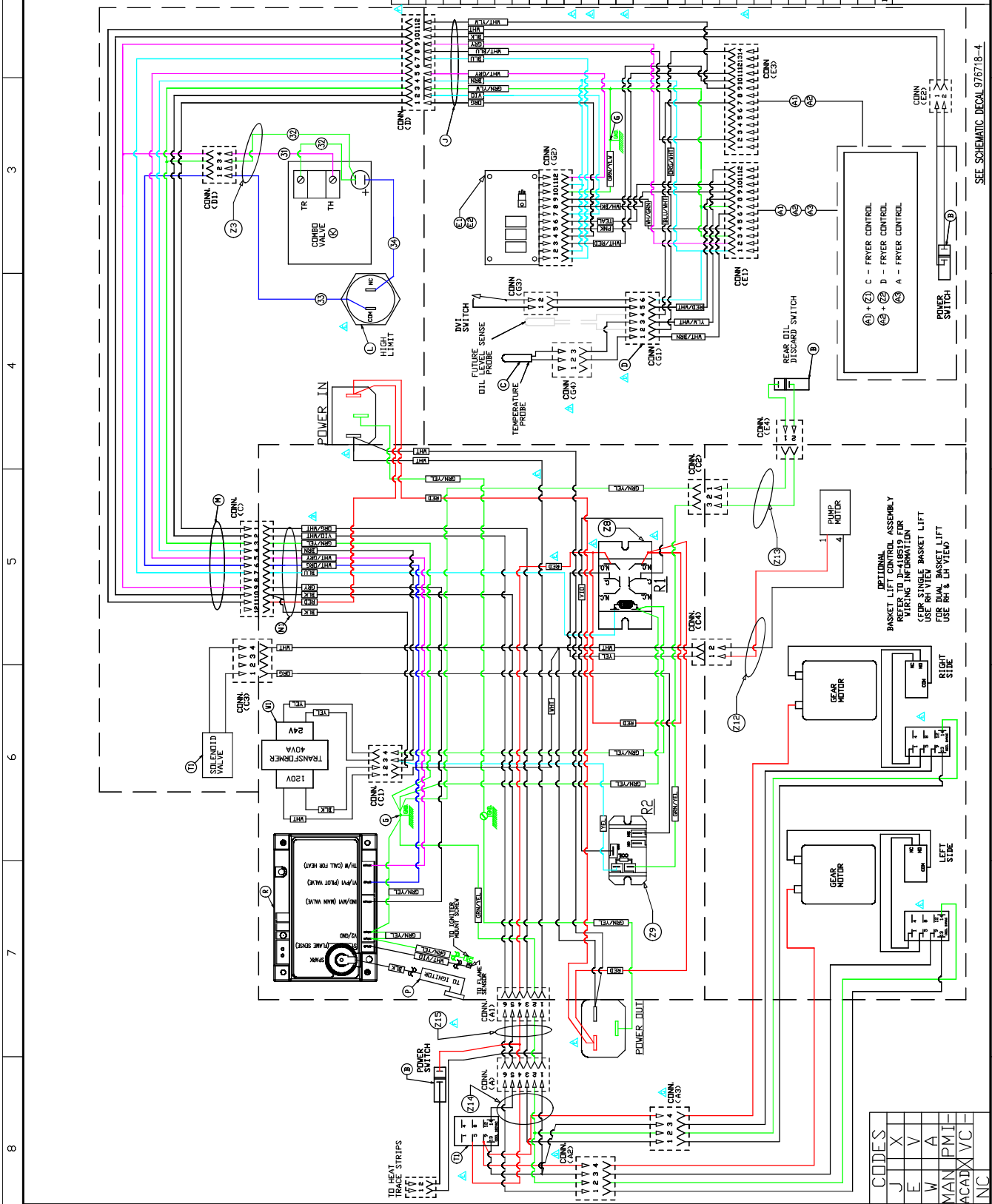
VHG STANDALONE



VHG WITH OPTIONS



REV	DESCRIPTION	DATE	BY	CHK'D	DATE
1	A FIRST RELEASE OF DRAWING	ALL 7-15-19	MTR		
2	B ORANGE/WHITE WAS ORANGE VIOLET/WHITE WAS VIOLET T1 WAS 1 T2 WAS 1	ALL 01-06-20	MTR		
3	C 976743-1 WAS 419359	ALL 05-28-20	ALM		
4	D 976721-15 WAS 427750-G1	ALL 02-09-21	MTR		
5	E 976588 WAS 410840-2	ALL 04-20-22	MTR		
6	976721-16 WAS 976721-11 976721-17 WAS 976721-12 CORRECTED RELAY PIN NAMES 976721-14 WAS 976721-10 REVERSED POLARITY C1-1 AND C1-2 SWAPPED				
7	F ADDED HEAT TRACE HARNESS	ALL 06-17-22	MTR		
8	G A2 WAS A1 A3 WAS A2	8D 07-29-22	MTR		



REV	DESCRIPTION	DATE	BY	CHK'D	DATE
1	WIRING DIAGRAM VHG, FRYER				
2	OPTION HARNESS, E20VAC				

REV	DESCRIPTION	DATE	BY	CHK'D	DATE
1	WIRING DIAGRAM VHG, FRYER				
2	OPTION HARNESS, E20VAC				

REV	DESCRIPTION	DATE	BY	CHK'D	DATE
1	WIRING DIAGRAM VHG, FRYER				
2	OPTION HARNESS, E20VAC				

