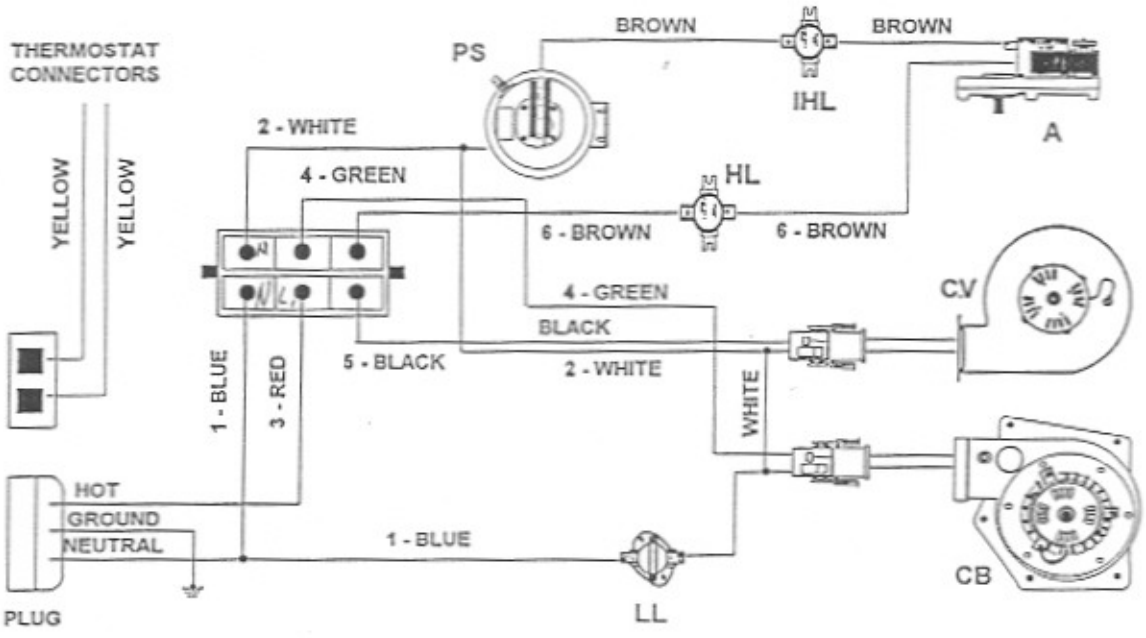
Pressure Specifications on Product

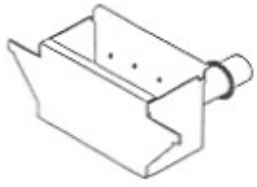
06-26-95

Advantage:	Combustion pos. #1	- .05 to - .20
	Combustion pos. #5	- .35 to - .65
	Convection High	+ .65 to + .85
	Convection Low	+ .10 to + .33
Quest:	Combustion High	- .08 to - .17
	Combustion Low	- .43 to - .56
	Convection High	+.25 to + .45
	Convection Low	+.10 to + .20
Cascade:	Combustion High	- .28 to - .55
	Combustion Low	- .11 to - .25
	Convection High	+ .18 to + .39
	Convection Low	+ .09 to + .17

ADVANTAGE II-T / ADVANTAGE III
Serial numbers 75864 - UP
SSAC TOUCH PAD CONTROLS with HARNESS



CONVENTIONAL BURN POT



PN 12150802

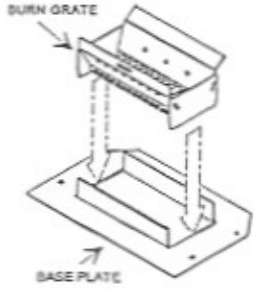
4.5" TUBE LENGTH

SN 18145 - 59831

PN 12150804

2.5" TUBE LENGTH

SN 59831 - UP

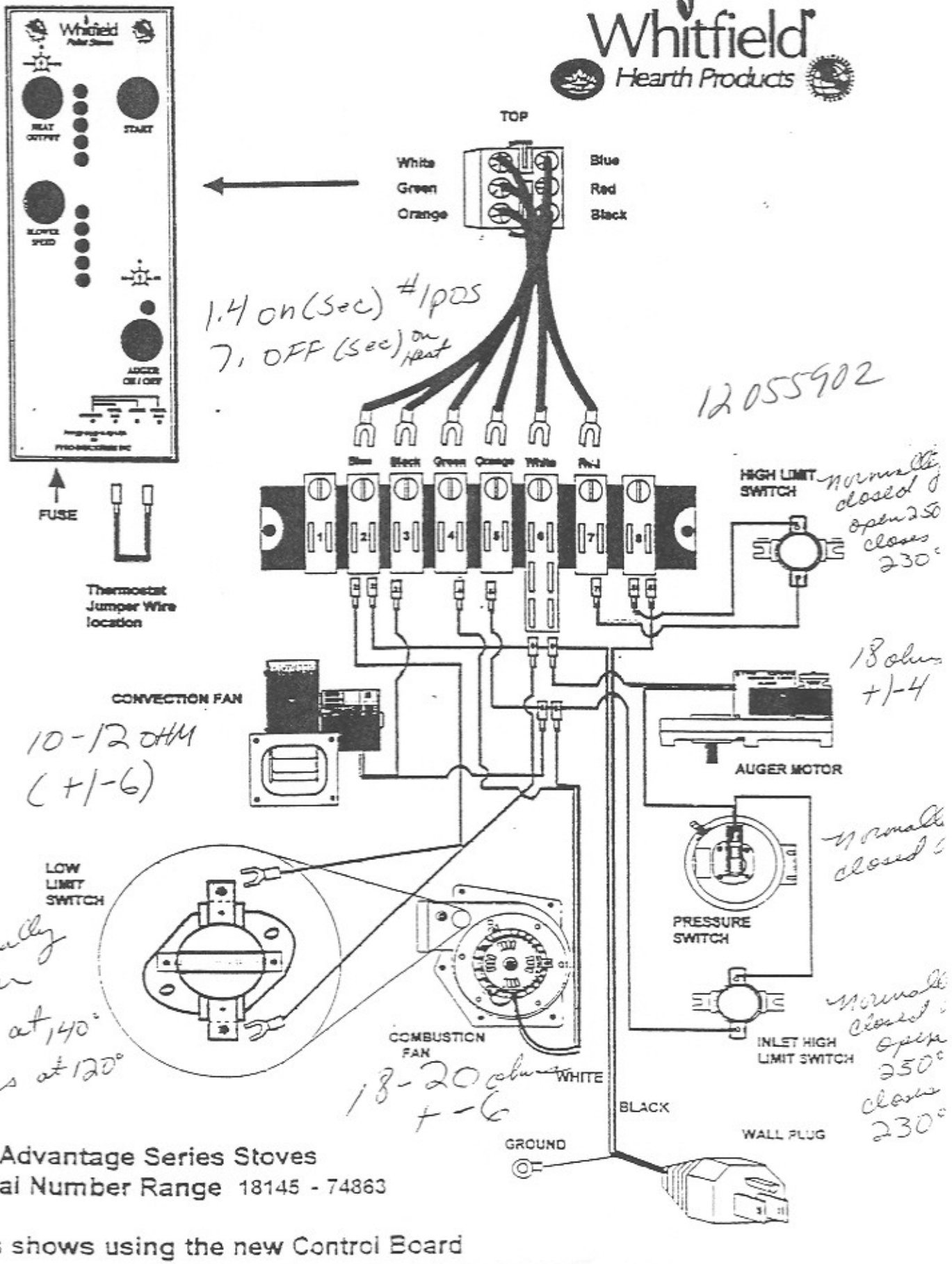


Part Number
12151264
(Ultra Grate Retrofit Kit)

Part Number
12150812
(Ultra Grate alone)

#1) 70V
#2) steps 19 inv.
#3
#4
#5

Whitfield Hearth Products



For Advantage Series Stoves
Serial Number Range 18145 - 74863

This shows using the new Control Board

Whitfield Hearth Products

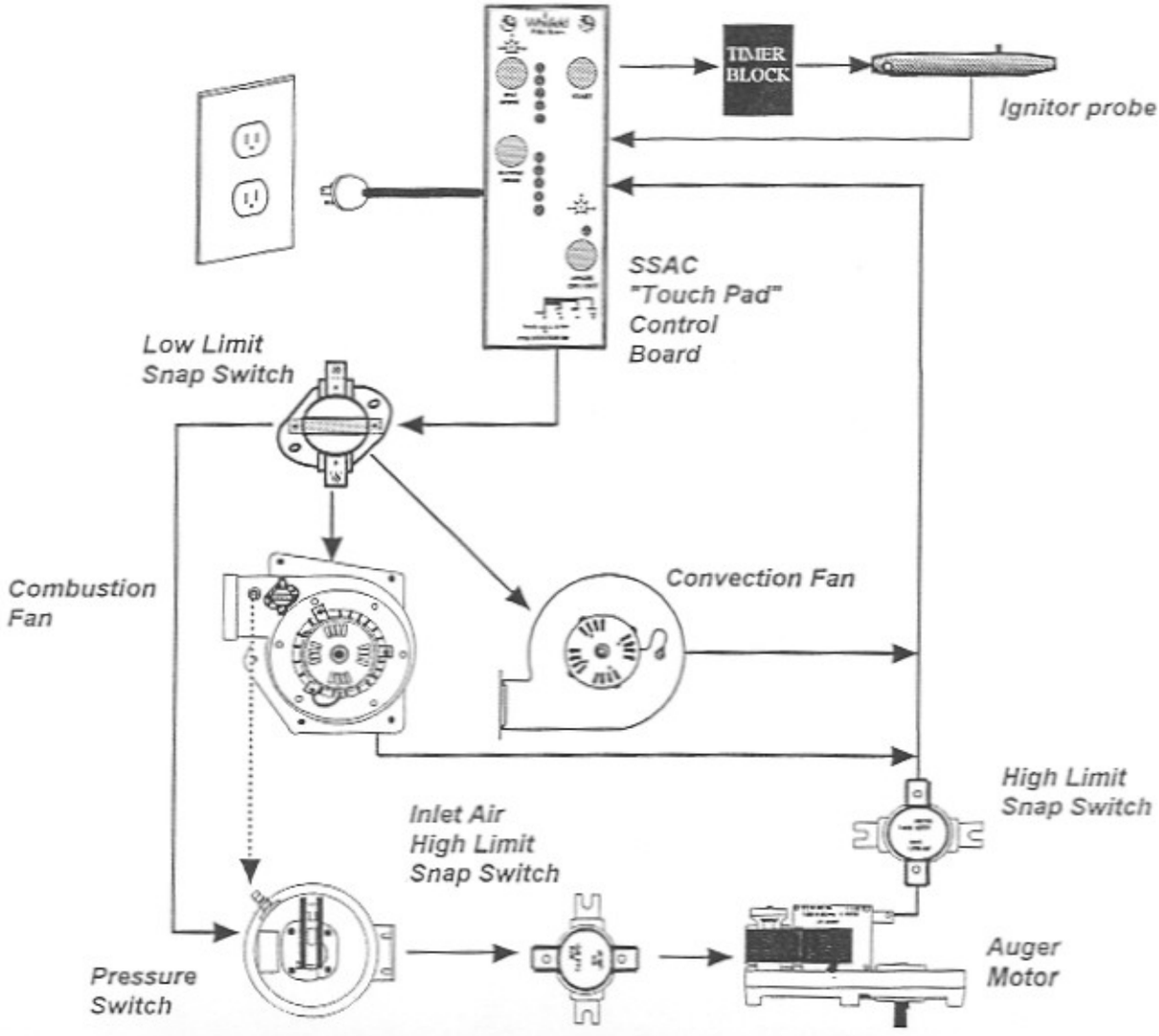
SSAC "Touch Pad" Control Board System

Advantage serial numbers 75864 & Up

This electrical system takes power from a 110 VAC outlet. A 30 minute timer built in the board allows for start-up power to operate all components. The default settings on start are position #3 for Heat output and position #1 on Blower control. The Ignitor is provided power for the first 15 min. of stove operation. The Low Limit Switch close at 140 degrees F measured exhaust gas temperatures. The Ignitor can not be reactivated until the Low Limit Switch is open. The auger system power is regulated by the High Limit Switches and the Pressure Switch. If these switches do not stay closed, power is lost to the Auger motor. The fans will continue to operate if the High Limit Switch opens until the stove cools and the Low Limit Switch opens.

There are two trim pots on the front of the control board. These allow adjustment of the Combustion voltage and the auger feed time. On the lower right face of the board access for voltage checks is provided. (*See pages 13 for trim ranges).*

The control board contains a 6 amp Fast acting fuse on the bottom underside of the board. There are two Thermostat connection spades here also. The two yellow wires in the wire harness go there.



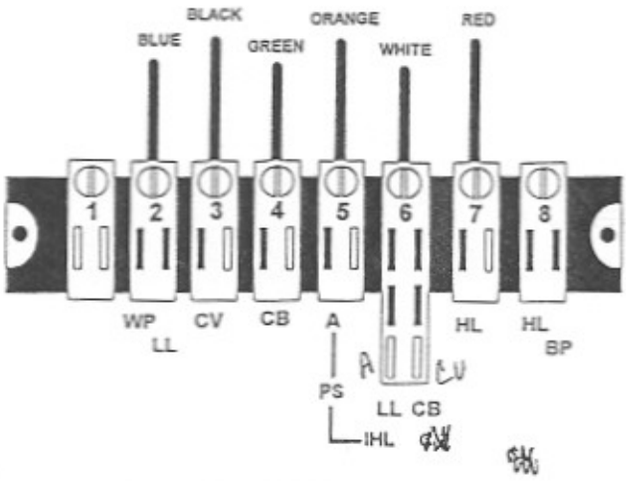
Dist # 3

S:\DENIS\WP7\CIR3.DPS

ELECTRICAL CIRCUITS

Whitfield Hearth Products

Rewire stove Like this

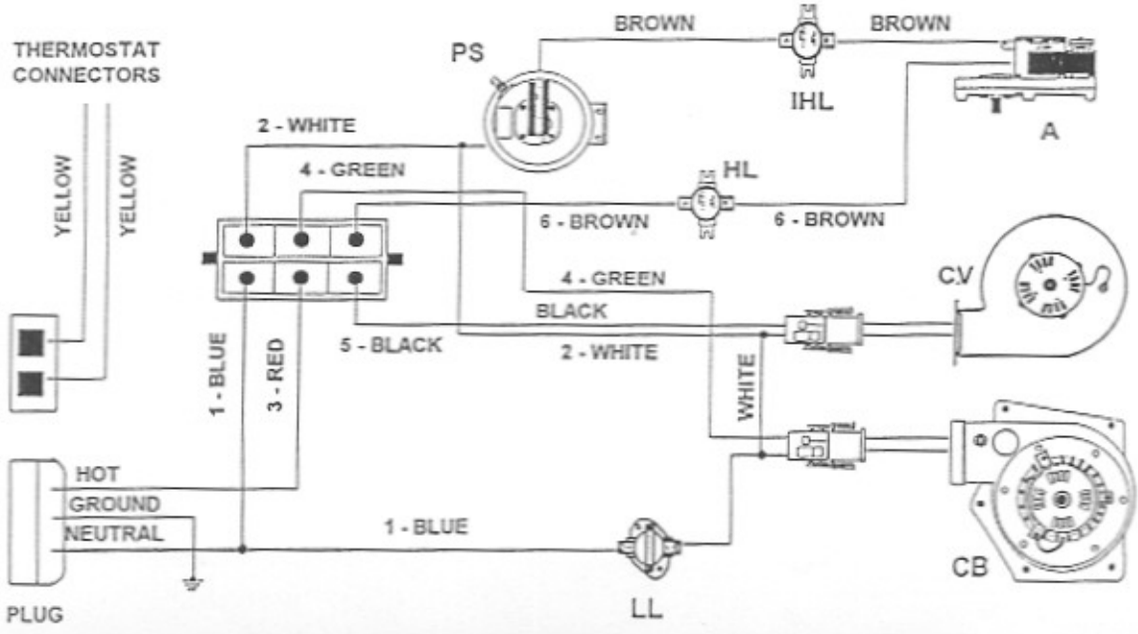


ADVANTAGE II - T
Serial numbers
38081- 75864
SSAC ROTARY
CONTROLS

GO 2? ONLY

(USED ON ADVANTAGE IIII Serial numbers 343377 - 75864)

ADVANTAGE II-T / ADVANTAGE III
Serial numbers 75864 - UP
SSAC TOUCH PAD CONTROLS with HARNESS



Dish #2

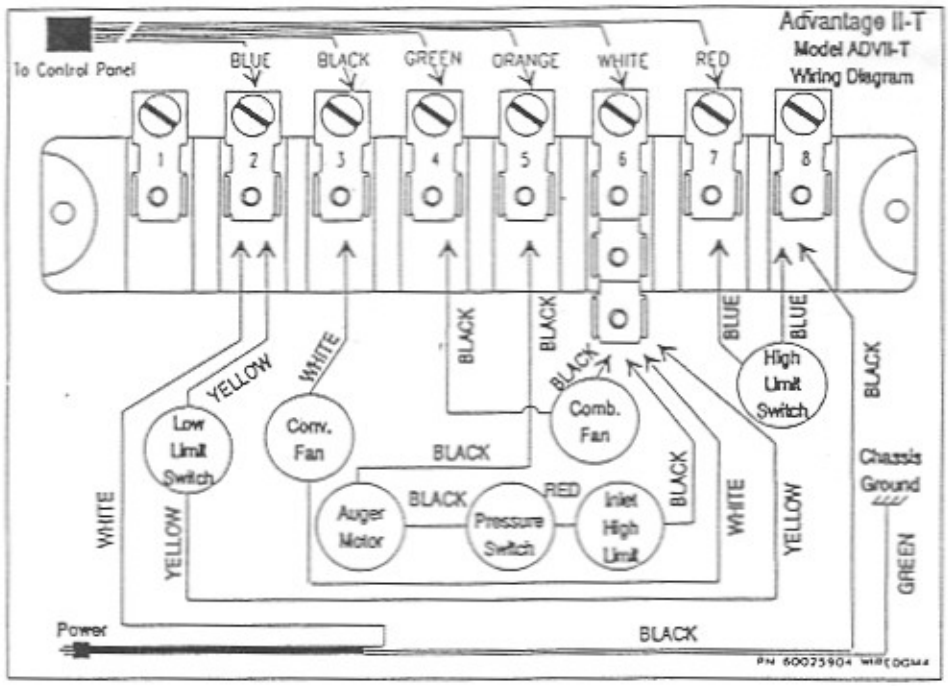
Pyro Industries, Inc.
695 Pease Road
Burlington, WA 98233
(206) 757 - 9728
Fax (206) 757 - 9721

Date: 10/21/91
Bulletin # 21
Model: ADV II-T
Starting Serial # 38081

Whitfield Pellet Stove Technical Bulletin

CURRENT SENSING RELAY REMOVED

The current sensing relay has been deleted from the Advantage II-T pellet stove. The change will take effect on all Advantage II-T stoves beginning with serial # 38081 or greater. This will obviously change the wiring diagram. When servicing a Whitfield Advantage II-T stove with a serial number 38081 or greater, please refer the diagram below.



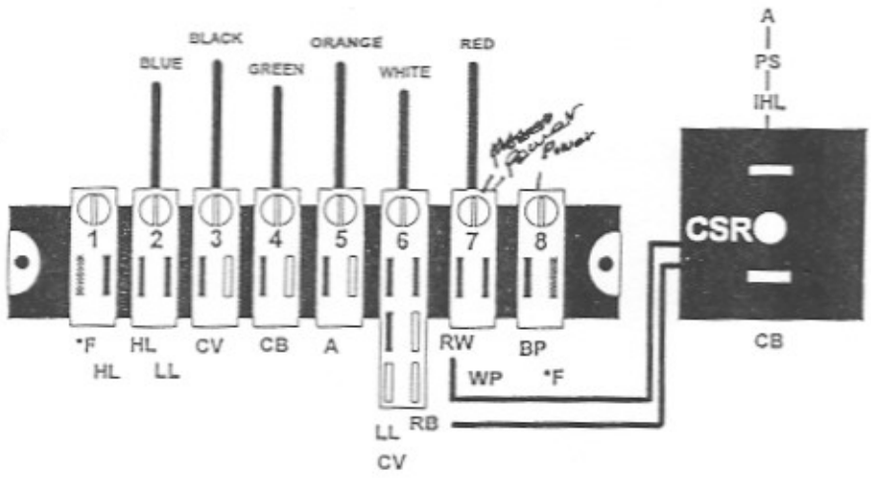
REASON FOR CHANGE : The current sensing relay has proven to be a redundant safety feature and is no longer required for safety certification.

Whitfield Hearth Products

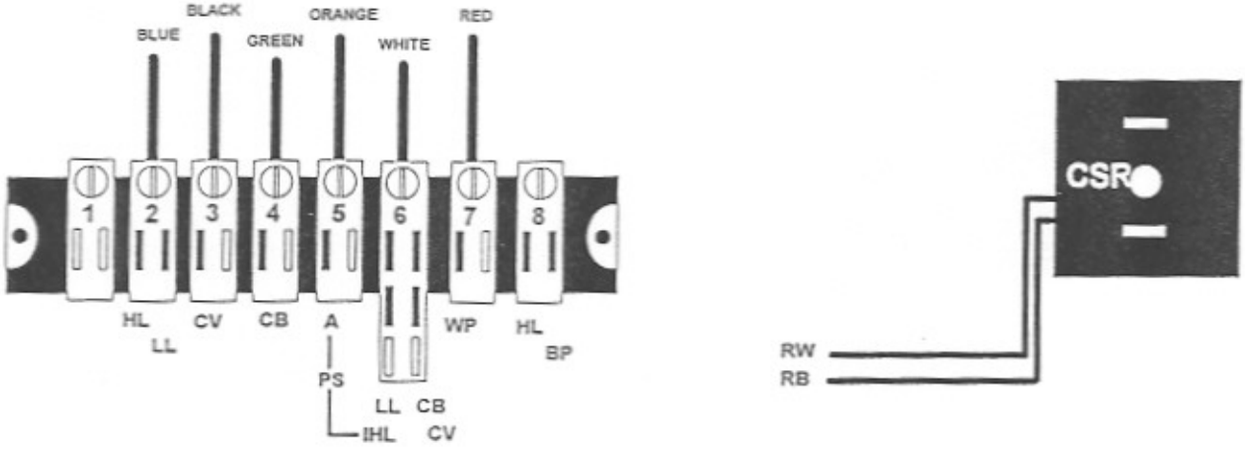
ELECTRICAL CIRCUITS

your current stove

ADVANTAGE II - T
Serial numbers
19912 - 31037
SSAC ROTARY
CONTROLS



*F *(In-line fuse was added for ICM Rotary control board only)*



(Current Sensing Relay Removal)

1. REMOVE CB & A FROM CSR AND PLUG INTO POST # 6 ON TERMINAL STRIP.
2. REMOVE RW AND RB FROM TERMINAL STRIP.
3. REMOVE CSR FROM STOVE.

S:\DBMN\WP7\CIR1.DRW

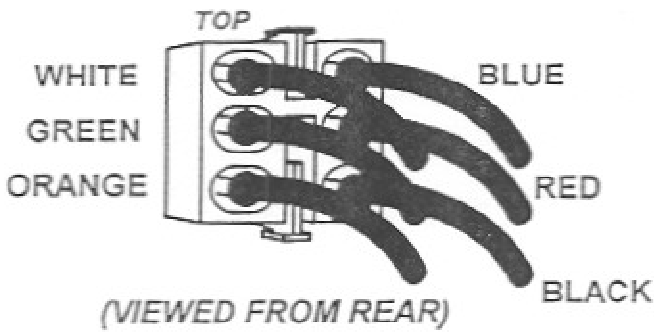
Whitfield Hearth Products

ELECTRICAL CIRCUITS

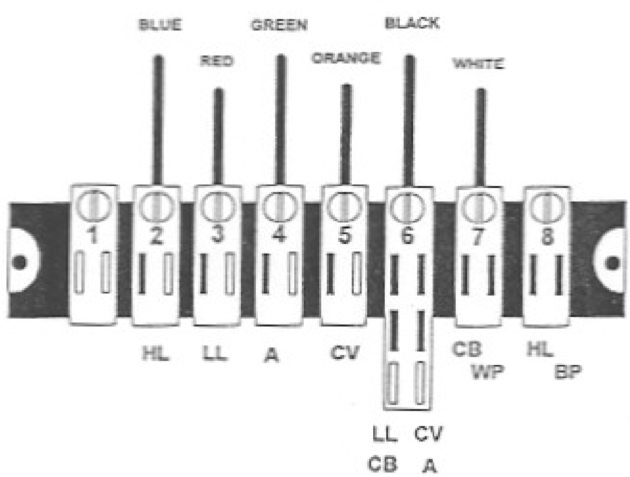
LEGEND

HL	HIGH LIMIT SWITCH
LL	LOW LIMIT SWITCH
A	AUGER MOTOR
CV	CONVECTION FAN
CB	COMBUSTION FAN
WP	WHITE POWER LEAD
BP	BLACK POWER LEAD
RW	RELAY WHITE LEAD
RB	RELAY BLACK LEAD
F	FUSE LEAD
PS	PRESSURE SWITCH
IHL	IN-LET HIGH LIMIT SWITCH
CSR	CURRENT SENSING RELAY

MOLEX CONNECTOR TO CONTROL BOARD

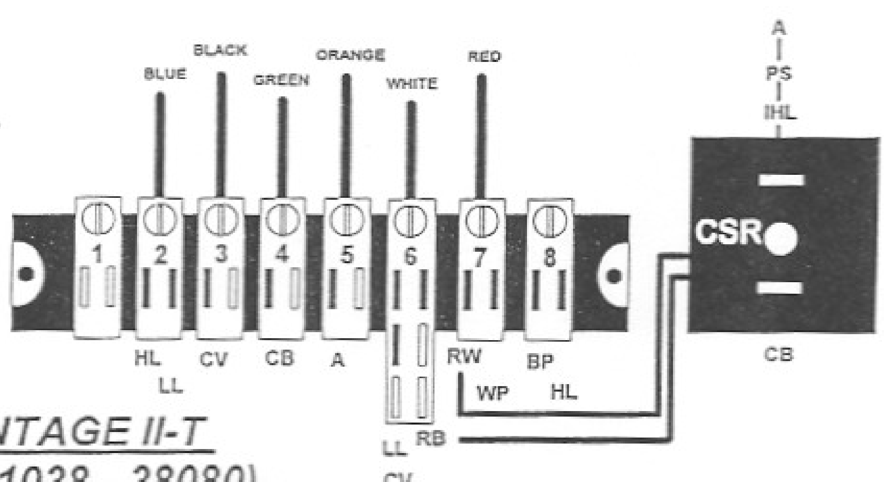


(VIEWED FROM REAR)



ADVANTAGE II RK Controls
Serial numbers 7401 - 18144

ADVANTAGE II - T
Serial numbers
18145 - 19911
SSAC ROTARY
CONTROLS

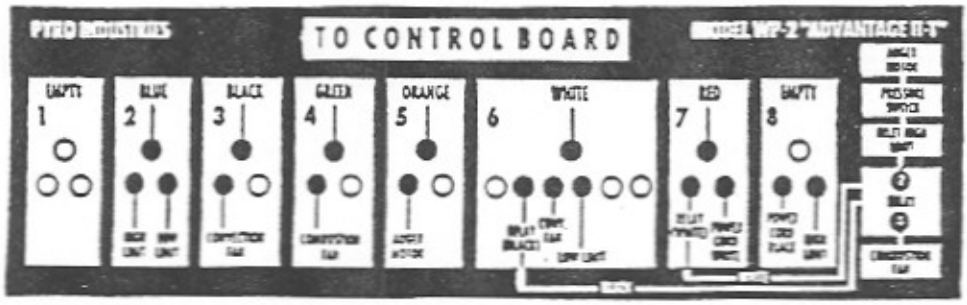


(USED ON ADVANTAGE II-T Serial numbers 31038 - 38080)

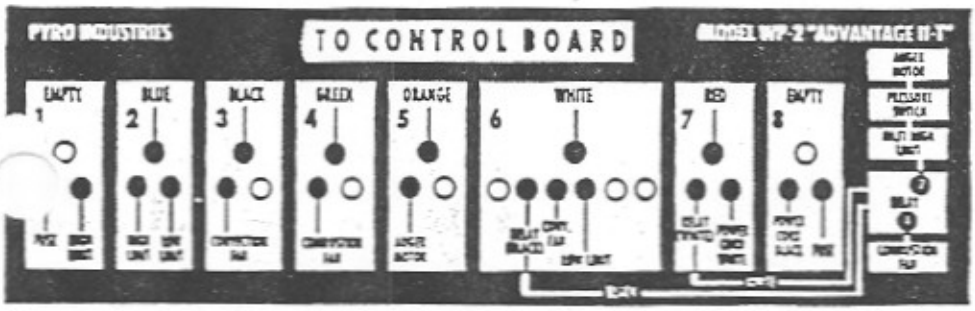
Diskitty

Advantage II -T Electrical Hook-up Diagram and Control Panel Installation

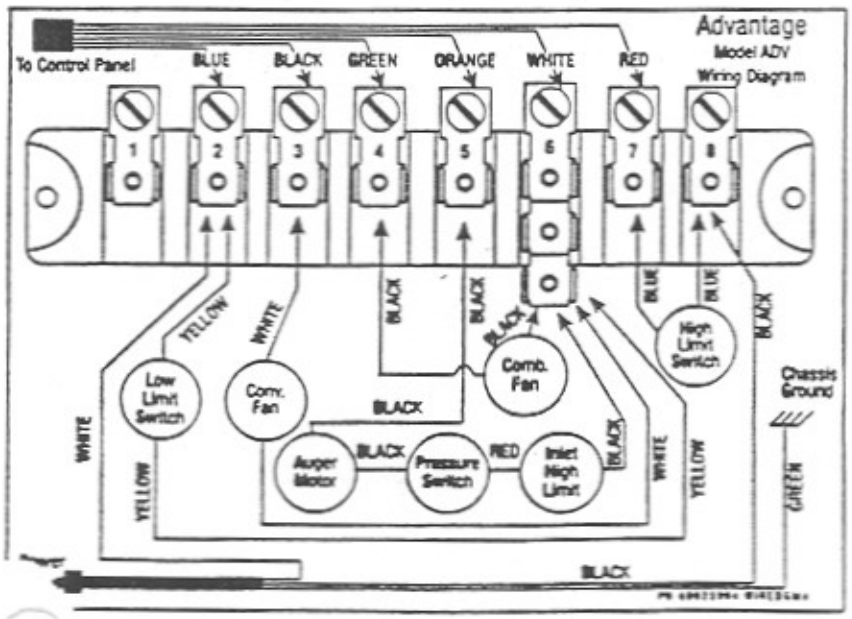
The electronic control board is mounted to an aluminum bracket for easy installation into the right hand stove or shroud side panel using a single fastener. The control board can be removed or replaced without removing the side panel or the side shroud, see diagram below. Be sure to unplug the stove before removing the control panel. The control cable (gray) is fitted with a black or gray quick-disconnect "AMP" connector that plugs into the back of the control board. The other end of the control cable is permanently attached to the screw terminals. The blower and auger motor wires attach directly to quick disconnects on the terminal block as indicated on the hook-up diagram below.



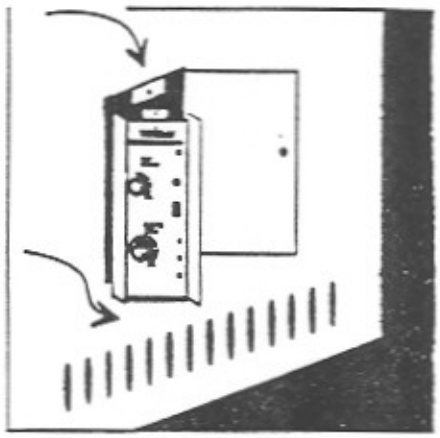
Serial No. 18145 - 19911
& 31038 - 38080



Serial No. 19912 - 31037
with In-line Fuse Holder



Stoves with Serial No. 38081 & up
No Current Sensing Relay

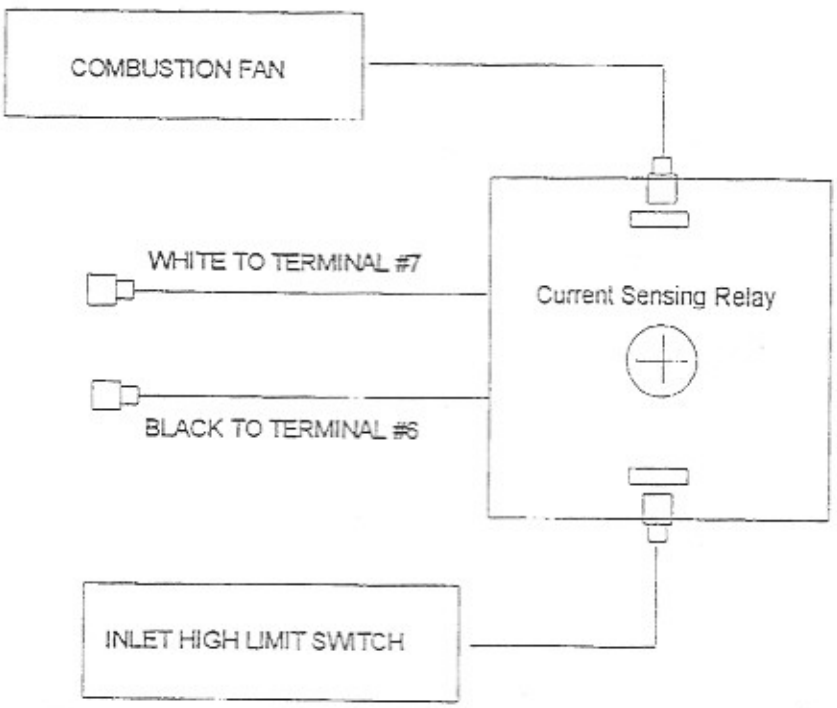


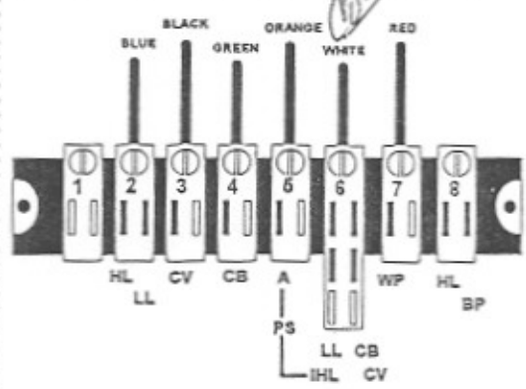
Control Panel Installation

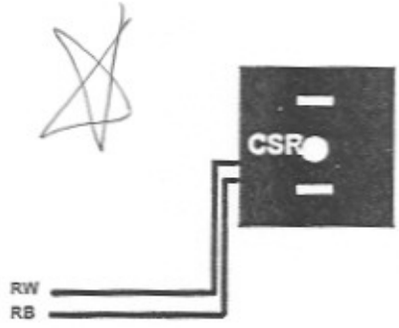
REMOVAL OF THE CURRENT SENSING RELAY

The current sensing relay was installed in series with the combustion blower and the inlet high limit switch on serial numbers: 18145 through 38080. If the current sensing relay detects "0" (zero) current being drawn by the combustion blower motor (I.E. blower motor is shorted or thermal protector on the fan has tripped out) the relay will turn power off to the auger motor. The current sensing relay was deleted from the stoves as a redundant safety feature at Serial #: 38081.

***To remove the current sensing relay from the system you will need to remove the white and black wires coming from the relay, going to terminal post 6 & 7. Place the wires going to the top of the relay (combustion fan lead & inlet high limit switch lead),place both of these wires on terminal #6, and remove the current sensing relay from the system...

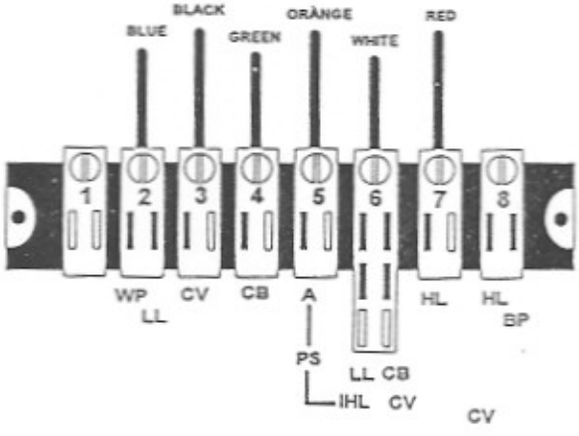






(Current Sensing Relay Removal)

1. REMOVE CB & A FROM CSR AND PLUG INTO POST # 6 ON TERMINAL STRIP.
2. REMOVE RW AND RB FROM TERMINAL STRIP.
3. REMOVE CSR FROM STOVE.



ADVANTAGE II - T
Serial numbers
38081- 75864
SSAC ROTARY
CONTROLS

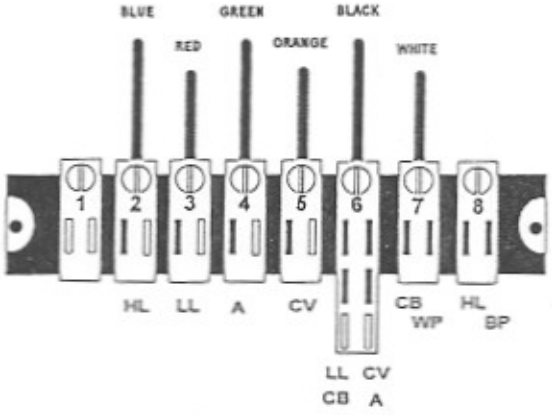
(USED ON ADVANTAGE IIII Serial numbers 343377 - 75864)

MOLEX CONNECTOR TO CONTROL BOARD

(VIEWED FROM REAR)

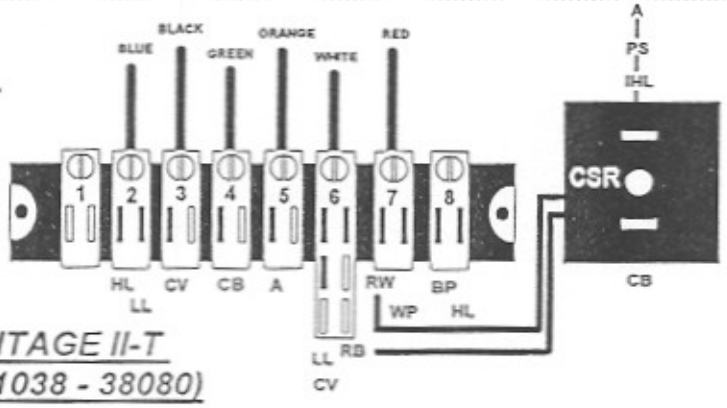
LEGEND

HL	HIGH LIMIT SWITCH
LL	LOW LIMIT SWITCH
A	AUGER MOTOR
CV	CONVECTION FAN
CB	COMBUSTION FAN
WP	WHITE POWER LEAD
BP	BLACK POWER LEAD
RW	RELAY WHITE LEAD
RB	RELAY BLACK LEAD
F	FUSE LEAD
PS	PRESSURE SWITCH
IHL	IN-LET HIGH LIMIT SWITCH
CSR	CURRENT SENSING RELAY



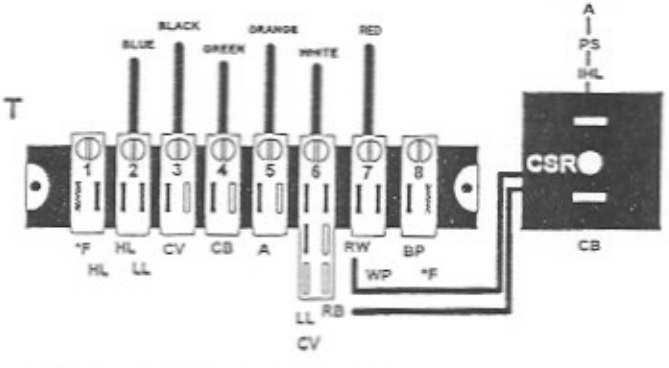
ADVANTAGE II RK Controls
Serial numbers 7401 - 18144

ADVANTAGE II - T
Serial numbers
18145 - 19911
SSAC ROTARY
CONTROLS

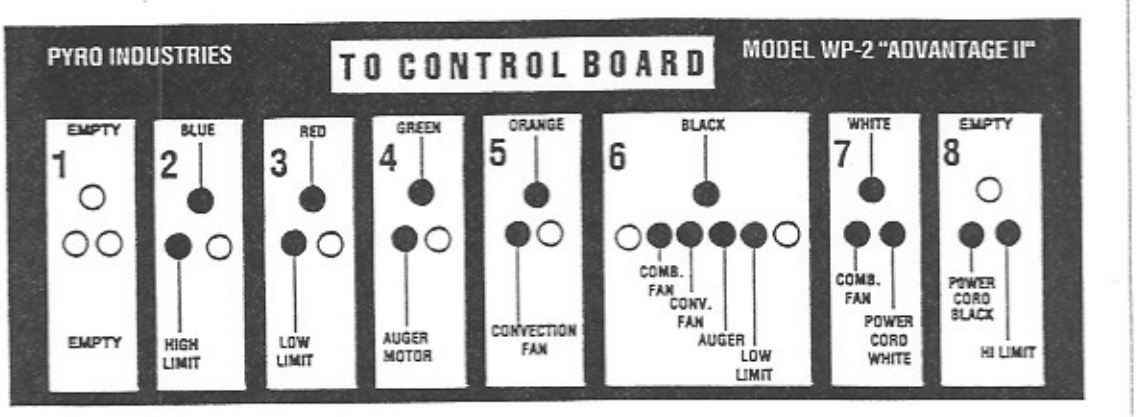


(USED ON ADVANTAGE II-T
Serial numbers 31038 - 38080)

ADVANTAGE II - T
Serial numbers
19912 - 31037
SSAC ROTARY
CONTROLS



*F *(In-line fuse was added for ICM Rotary control board only)*

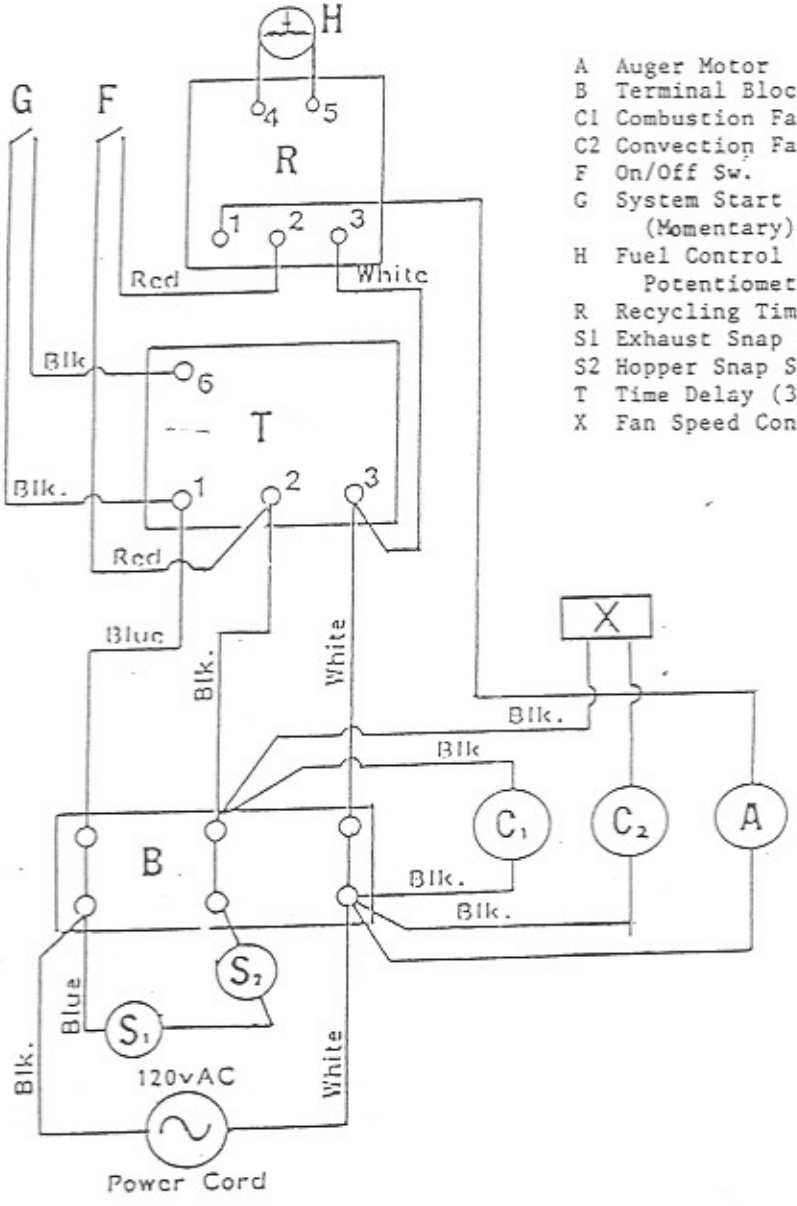


Whitfield®
Hearth Products

TERMINAL STRIP FOR SN 7401 - 18,144

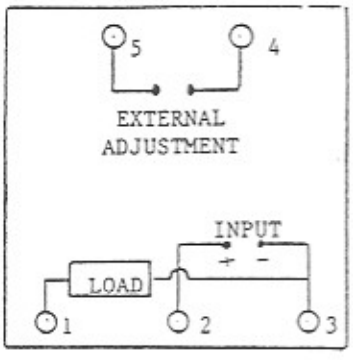
RK System.
WP-2

advantage 1001-7400

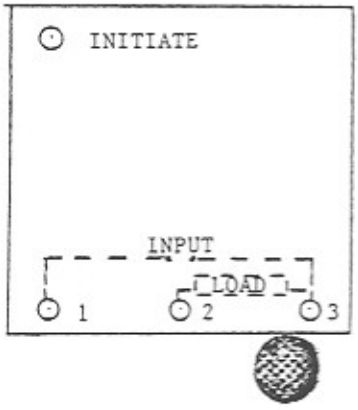


A Auger Motor
B Terminal Block
C1 Combustion Fan
C2 Convection Fan
F On/Off Sw.
G System Start Sw. (Momentary)
H Fuel Control Potentiometer
R Recycling Timer
S1 Exhaust Snap Sw.
S2 Hopper Snap Sw.
T Time Delay (30 Min.)
X Fan Speed Control

SSAC RECYCLING TIMER



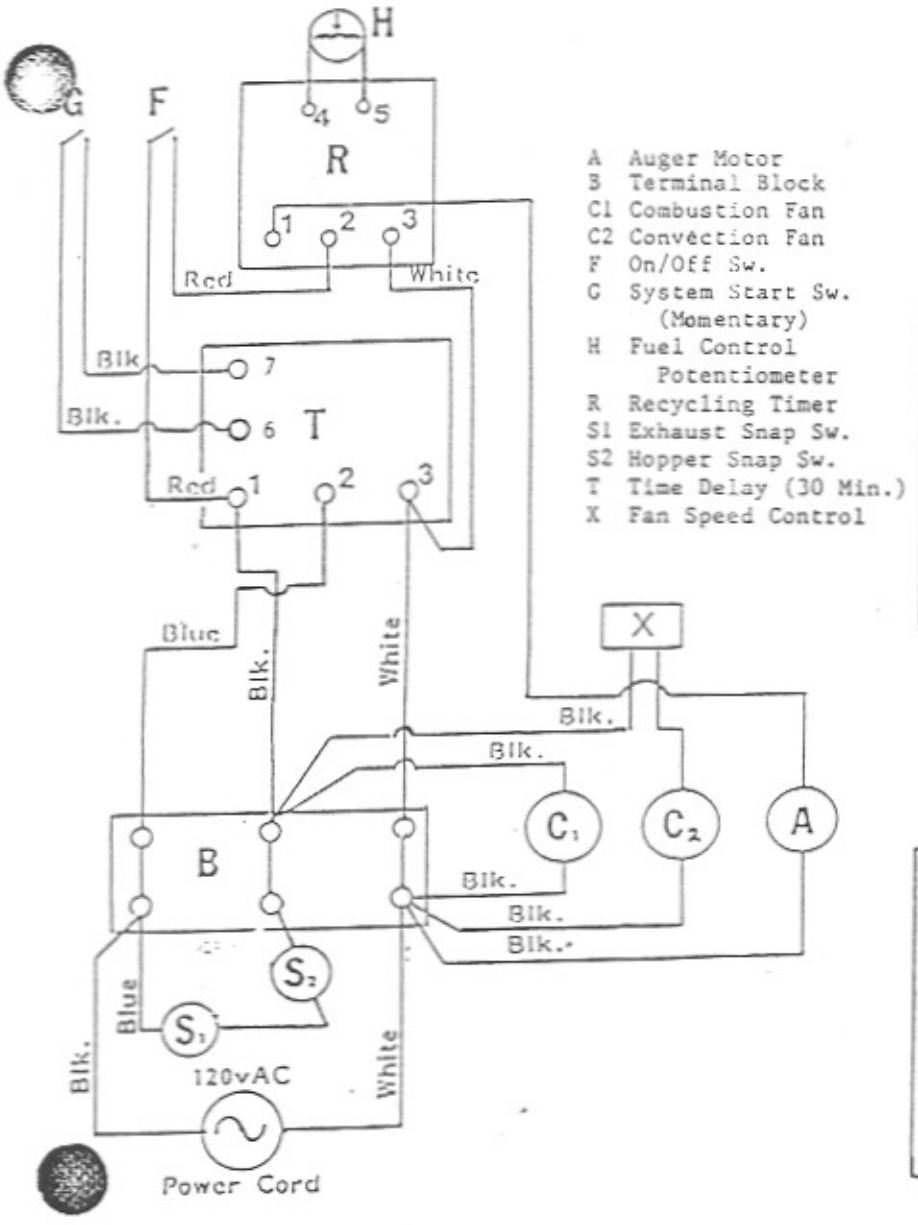
SSAC 30 MIN TIMER



WP-2 WIRING DIAGRAM

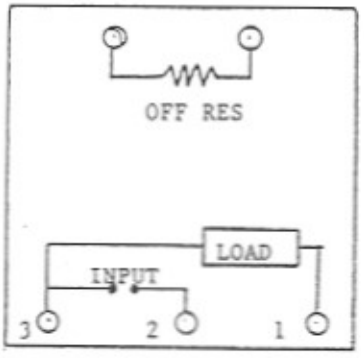
USING SSAC CONTROLS

adv. 1001 - 7400

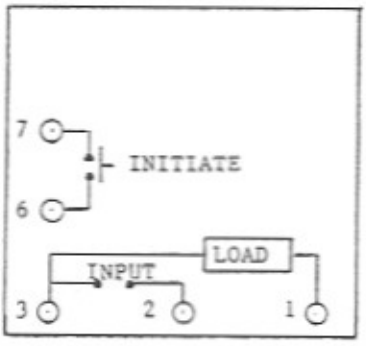


A Auger Motor
B Terminal Block
C1 Combustion Fan
C2 Convection Fan
F On/Off Sw.
G System Start Sw. (Momentary)
H Fuel Control Potentiometer
R Recycling Timer
S1 Exhaust Snap Sw.
S2 Hopper Snap Sw.
T Time Delay (30 Min.)
X Fan Speed Control

ACP RECYCLING TIMER



ACP 30 MIN TIMER



WP-2 WIRING DIAGRAM

USING ACP CONTROLS