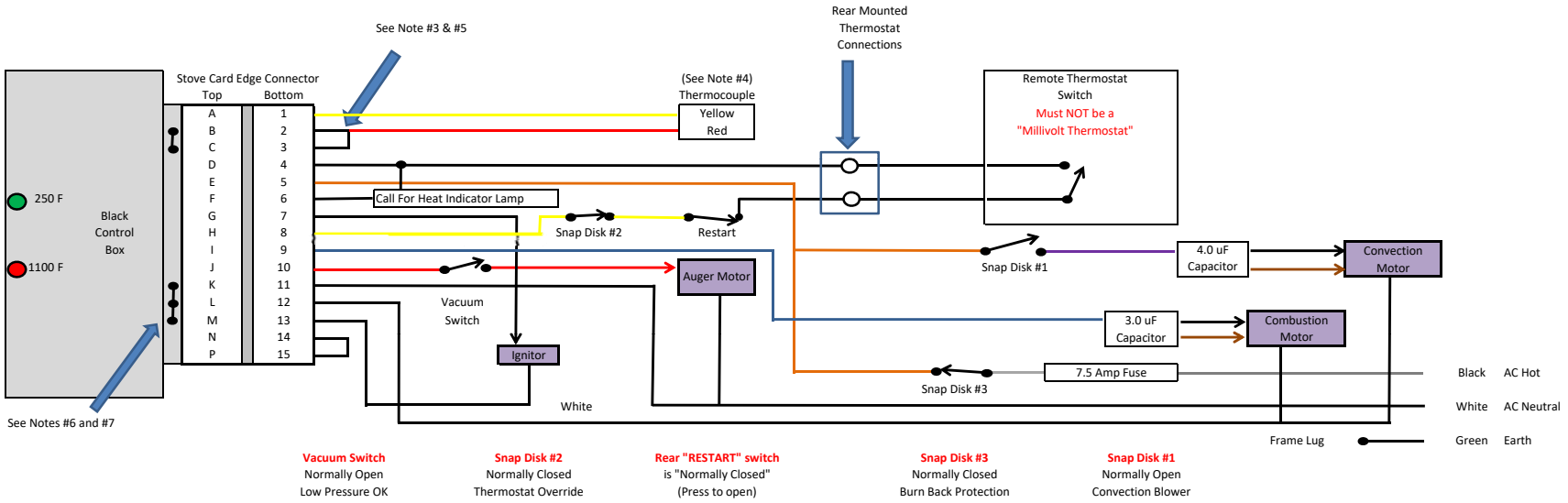
QuadraFire TASSB-92V.12A
230-0120

This circuit based on Page 14 of this: MANUAL

YouTube: **MonteStudios**



Vacuum Switch
Normally Open
Low Pressure OK

Snap Disk #2
Normally Closed
Thermostat Override

Rear "RESTART" switch
is "Normally Closed"
(Press to open)

Snap Disk #3
Normally Closed
Burn Back Protection

Snap Disk #1
Normally Open
Convection Blower

Neutral Wiring "White"

The AC Neutral wiring (white wires) is a bit convoluted... and **requires** the Controller to be in-place to connect everything together.
The above drawing is electrically correct when the controller is in place - 11, 12 and 1 3 become connected together.
With the Controller disconnected, 11, 12 and 13 become isolated from each other. In this case, the **Ignitor**, the **Exhaust Fan** and the **Combustion Fan** circuits are OPEN.

NOTES:

1 Inside the STOVE's wire distribution box, the upper row is physically connected to the lower row.
2 The manual lists the pins in numbers only (not letters).
3 Connectors pins #2 and #3 are "DC Ground".
4 Thermocouple type is "K-Type" (Yellow and Red).
5 Thermocoubple "Red" wire is connected to "DC Ground".
6 Inside the controller - Pins #2 and #3 are connected together.
7 Inside the controller - Pins #11, #12 and #13 are connected together.
8 There is NOT a leter "O" on the connector.

Functionality:

Snap Disc	#1	Normally OPEN	Closes if stove body is warm, and causes the Convedtion / Room Blower to come ON
Snap Disc	#2	Normally Closed	Opens if gets too hot - Prevents Auger Drive, and Heater Element from coming ON
Snap Disc	#3	Normally Closed	Opens if gets too hot - Removes all power for the stove.
Restart		Normally Closed	Simulates the thermostat going "OPEN" (Room Too Warm)
Vacuum		Normally OPEN	Closes if BOTH the exhaust fan is running AND the Vacuum system is intact / Firebox is sealed.
Green LED		250 Degrees F	Illuminates once the Thermocouple senses a fire temperature of 250 Degrees F or more.
Red LED		1100 Degrees F.	Illuminates once the Thermocouple senses a fire temperature of 1100 Degrees F or more.