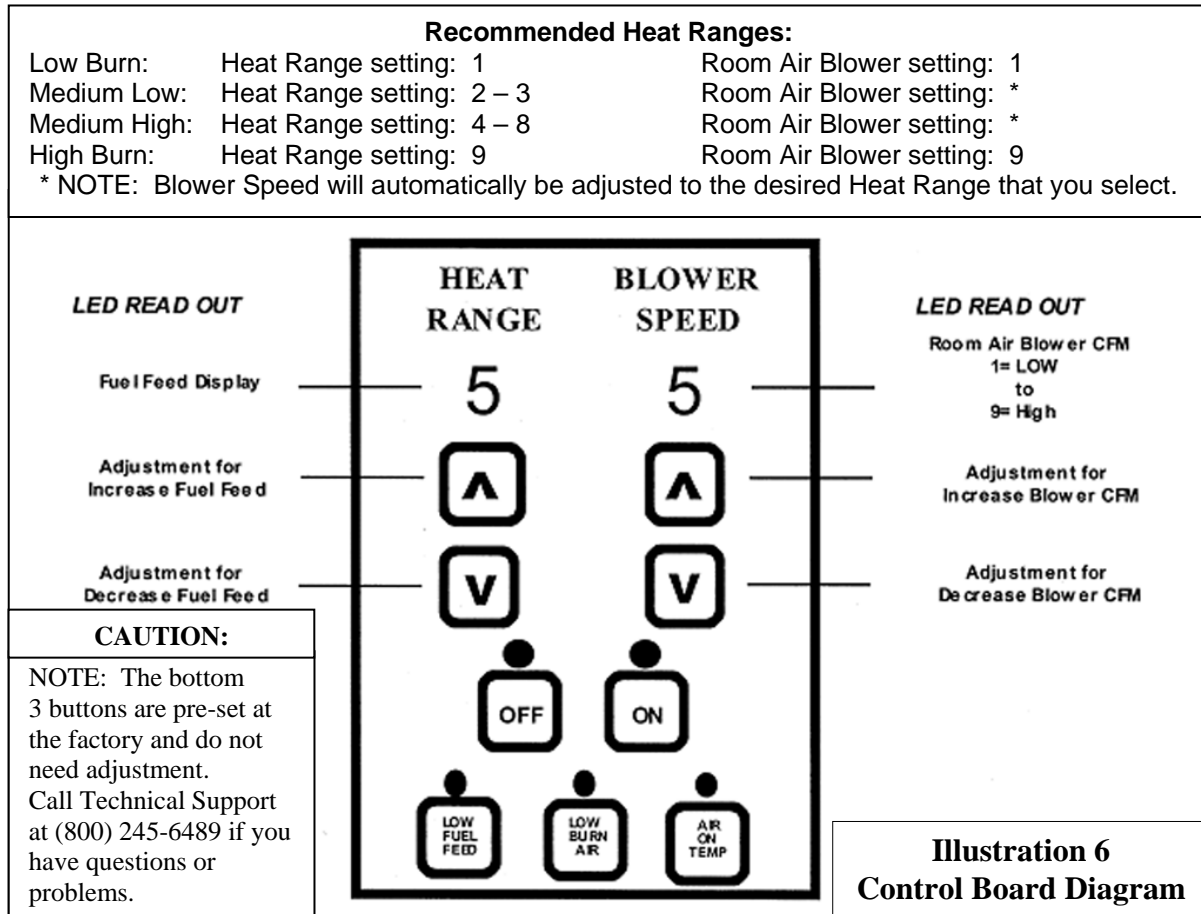


Control Board

The Control Board (Part # **CPM-CB07**) is a digital read-out board. This board offers a wide variety of settings to operate the unit. This part can be removed from the unit by loosening the two outside screws and pulling the board back to the inside of the stove. The rear access panel should be removed prior to removing the control board. A 6-amp “quick-blow” fuse is used on this Control Board. See safety notes below diagram.

NOTE: The bottom three control buttons are preset at the factory and should *not* require any changes. See “Operating Instructions” and “Daily Operation” section of the manual for instructions on other Control Board settings.

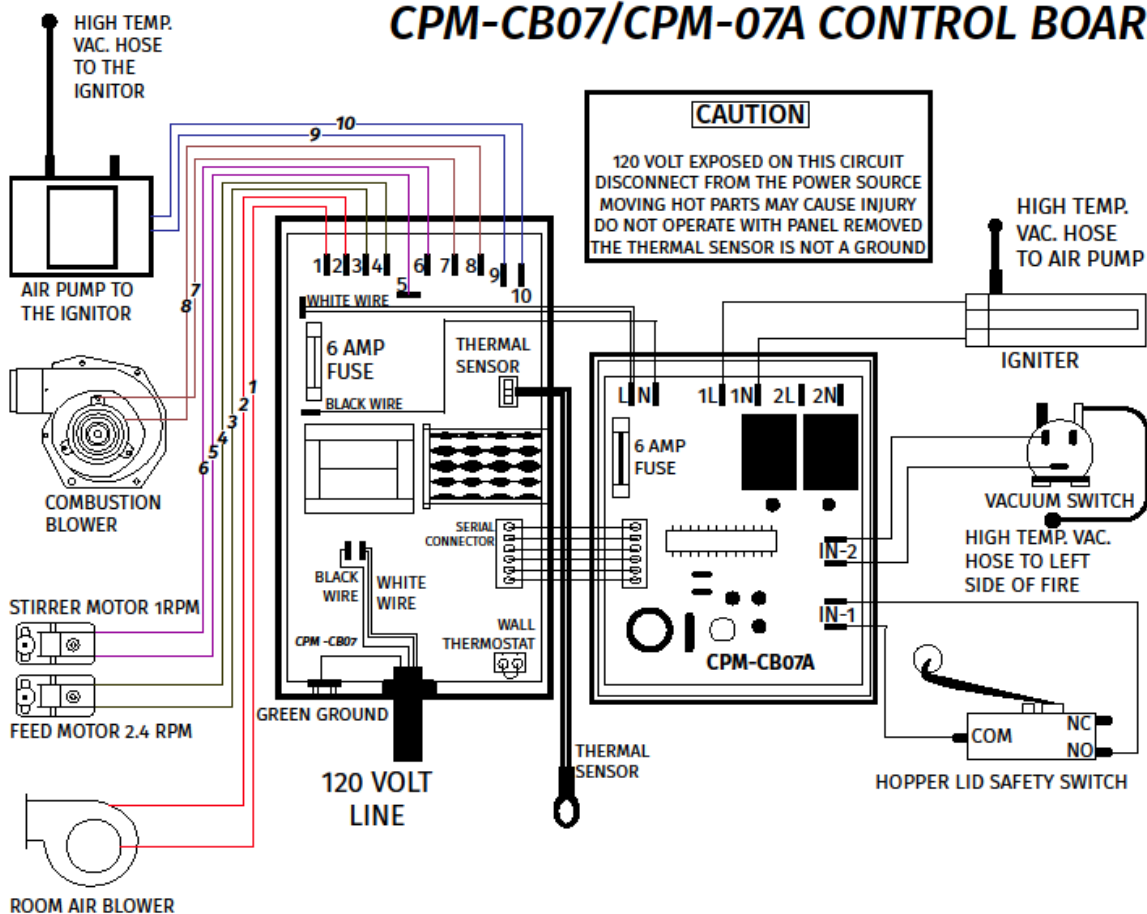


CAUTION: Moving Parts May Cause Injury.
Do NOT Operate with Panel(s) Off.

DANGER: Parts May Be Hot. Risk of Electric Shock.
Disconnect Power Before Servicing Unit.

Illustration 7 Control Board Diagram (Wiring)

CPM-CB07/CPM-07A CONTROL BOARDS



CIRCUIT BOARD FUNCTIONS

COMPONENT	OPERATION START	OPERATION END
Exhaust Blower (Combustion)	Starts Immediately.	Will continue until shutdown. Shutdown will occur when the operating temperature is below 90 degrees.
Stirrer	Three minutes after starting, the Stirrer will begin to turn.	Will continue intermittently, as determined by the Heat Setting, until Shutdown
Auger	When starting, the auger will begin to turn.	The auger will continue at the feed rate determined by the Heat Setting. NOTE: Safety switch, Hi Limit and Vacuum Sensor must be activated to continue proper operation.
Room Fan (Convection)	Begins when 110 degrees is reached.	Will continue to operate until the unit cools down to below 90 degrees. This may take from several minutes up to an hour.
Automatic Shutdown	If, after 15 minutes, the unit has not reached the preset operating temp., the unit will begin to automatically shut down. This will be evidenced by the red light on the Control Board.	If the timer should expire before the preset operating temperature is achieved, resetting the timer is possible by switching the Control Board "OFF" and then back "ON."
Normal Operation	If, after 15 minutes, the preset operating temperature of 110 degrees is achieved, normal operation will continue.	Operation will continue until either the Control Board is turned "OFF," or the operating temperature falls to below 90 degrees. At this time, the unit will default to "Automatic Shutdown."