

Technical Services

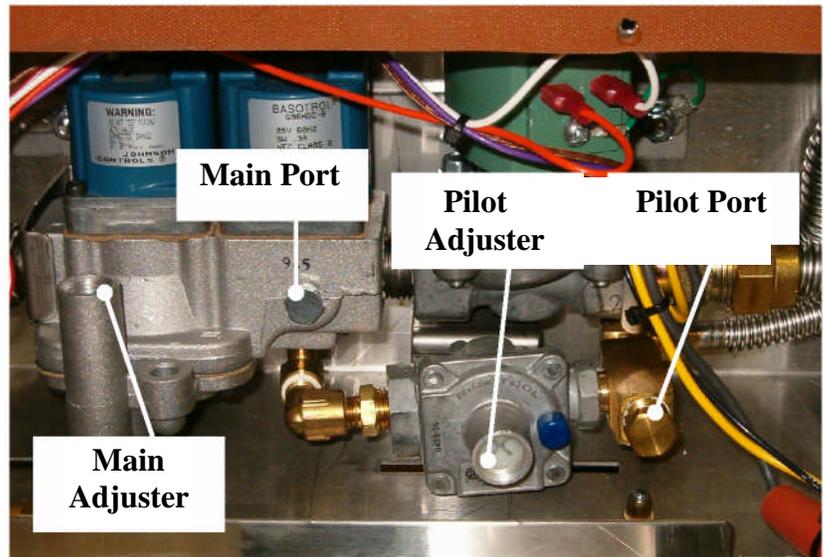
Gas Griddle Minimum Performance Tests

Part One – Gas Pressure Test

1. Turn griddle **OFF**. Open front access panel door.
2. **See Figure 1.** Locate Main and Pilot Regulators
3. Install 1/4" and 3/8"NPT with 1/4" barbed fittings with plugs.
4. While running, take manometer readings.

Tools Required:

- Manometer
- Multimeter capable of reading DC Milli-Volts
- Griddle Surface Temperature Probe
- Flame Tester Leads – FT-003



5. Refer to Gas Griddle Matrix for proper pressures

Figure 1

Gas Griddle Matrix						
	Natural Gas			Propane		
Burner	Pressure (WC)	Pilot Orifice	Main Orifice	Pressure (WC)	Pilot Orifice	Main Orifice
Pilot	3.5"	# 59		8"	# 71	
Main Burner	5"		#46 (24") #38 (36") #40 (48")	10"		#54 (24") #51 (36") #52 (48")
These ratings are for Sea Level . Locations above 4000 feet need to call AccuTemp Customer Service.						

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Part Two – Flame Sensor Test

6. See **Figure 2** and **Figure 3**. Set Multimeter to DCmv.
7. Connect Flame Tester leads, FT-003, to Igniter Harness Orange (or Yellow) and Green wires.
8. Multimeter shall show 30DCmv or more.

Figure 2

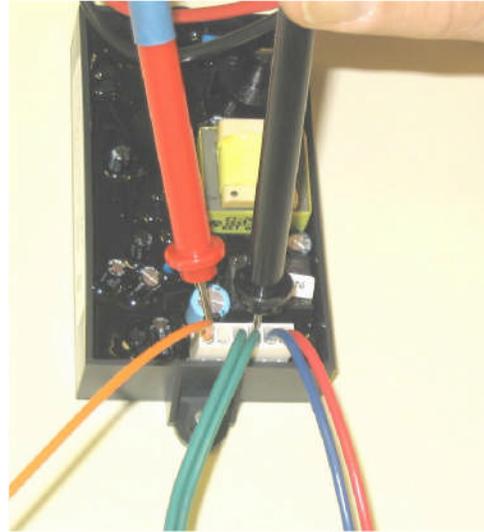


Figure 3



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Part Three – Temperature Test

Chamber Integrity Nine Point Test

Note:

Temperature surface mount probe must be calibrated to perform this check.

Warning:

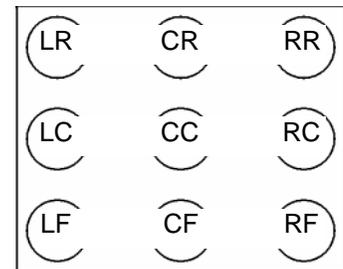
Do Not Use Infrared Instruments to measure temperatures. Infrared instruments are inaccurate on stainless steel surfaces and may cause harm to person(s) using the instrument.

Note

Put a small amount of cooking oil on the griddle cooking surface.
Temperatures shall be taken between the griddle weld stud dimples.

9. With griddle plugged in, set thermostat dial to **200°F** and turn **ON**.
10. Place temperature surface probe in the center in the first 1/3 of cooking surface; between the weld stud dimples.
11. Allow griddle to heat to initial setting.
12. Increase thermostat setting to **300°F**.
13. Allow griddle to cycle twice.
14. **For Surface Temperature Checks Only**, Place Temperature Surface Probe and Record Temperatures according to the following chart.

Nine Point Chart						
Horizontal Position	Vertical	Temp	Vertical	Temp	Vertical	Temp
Rear	Left		Center		Right	
Center	Left		Center		Right	
Front	Left		Center		Right	



15. **Temperatures Shall Be Within $\pm 5^\circ$ Of Each Other Across The Entire Surface.**