



Memphis Pro Built-In ITC 3

IntelliBurn Technology™

Model Number VGB0001S

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Read all instructions before installing and using this appliance
Save these instructions for future reference

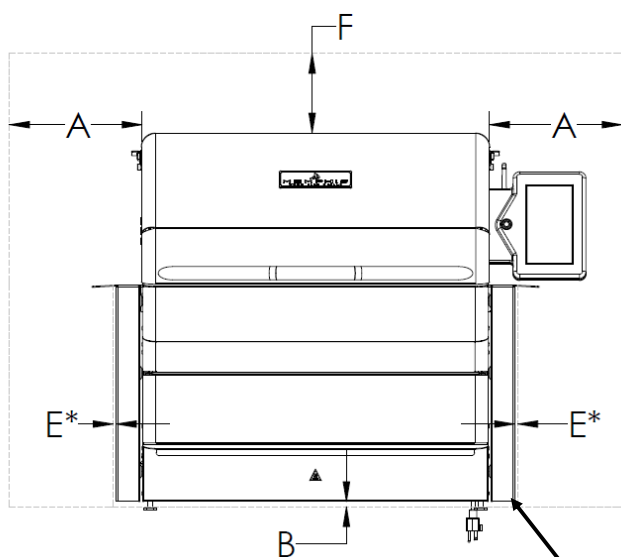


Clearance to Combustible Materials

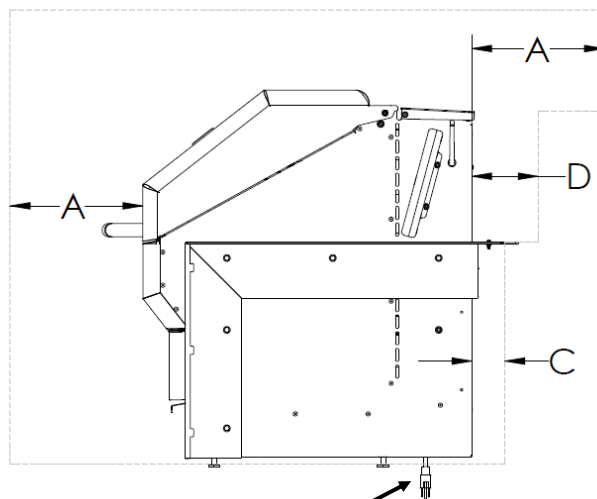
WARNING: The structure and surrounding objects MUST maintain the specified minimum clearance to combustible materials.

Combustible Material is wood, dry wall, siding or any other material that has to ability to catch fire.

Built-in structures constructed of wood or other combustible materials may require the use of the OPTIONAL Built-In Heat Shield Kit to maintain the required clearance to combustible materials. The grill may be supported by either the three support brackets, or the four leveling feet. Please note that there must be at least 3/8" (1.0 cm) clearance between the bottom of the grill and the structures.



Built-in Bracket



Power Cable Location

DIMENSIONS	
A	18" [45.8 cm]
B	3/8" [1.0 cm]
C	2" [5.1 cm]
D	3 1/2" [8.9 cm]
E*	1/8" [0.5 cm]
F	30" [76.2 cm]

*NOTE: Clearance dimension E may only be used when the optional heat shield kit (VGBHSC) has been installed. This distance is from the outside of the installed heat shield kit.

A major cause of fires is failure to maintain required clearances (air spaces) to combustible materials. It is of the utmost importance that this product be installed only in accordance with these instructions.



Built-In Cutout Dimensions

WARNING: See clearance to combustible materials when designing and constructing a built-in island. Built-In islands must be built to the cutout dimension specifications below.

The owner and/or builder are responsible for consulting local, county, and state building codes for securing any necessary building permits before construction. **NOTE:** Construction codes vary from locality to locality.

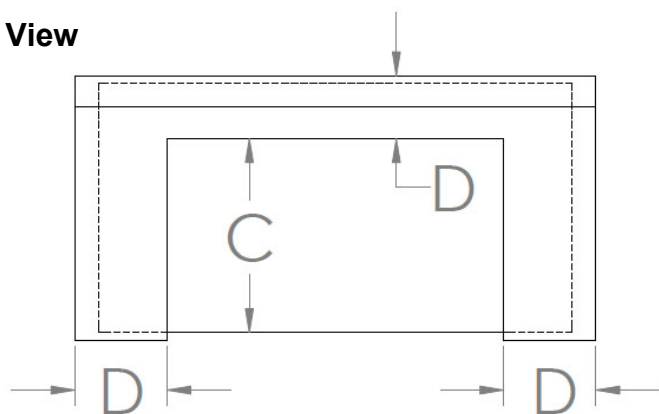
NOTE: Dimensions are to the finished surfaces. Grill cavity surfaces are to be plumb and level to ensure a proper fit.

Power Requirements

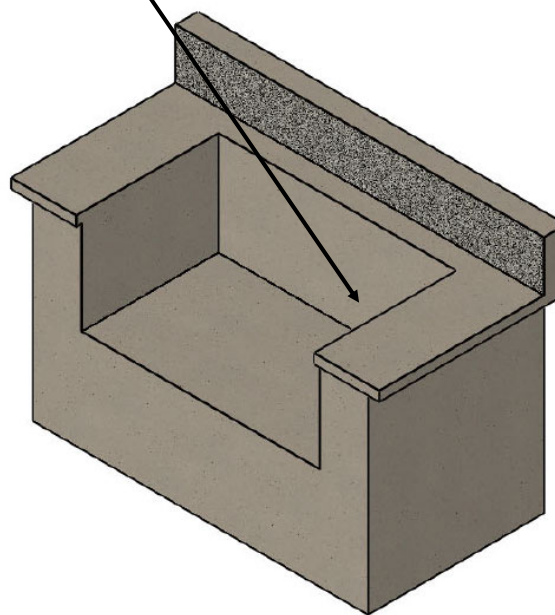
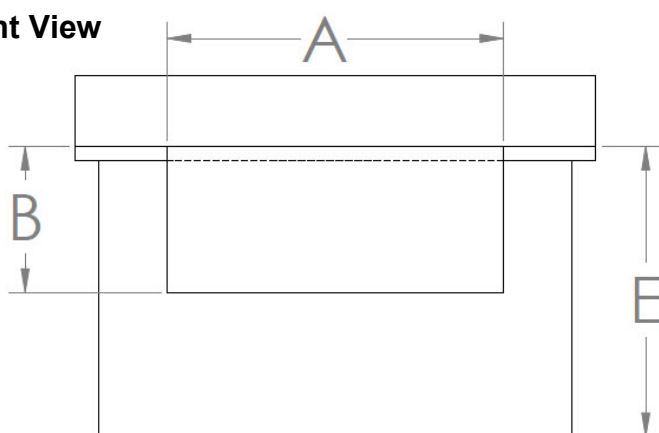
110/120VAC* supply required within 10 feet of the ITC. Power cable located at the back right of the grill. (See note on previous page)

*European 220VAC

Top View



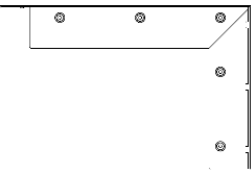
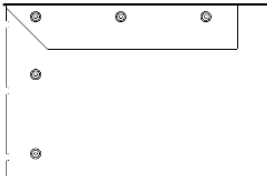
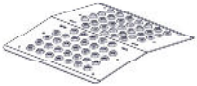
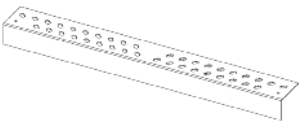
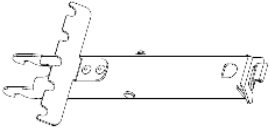
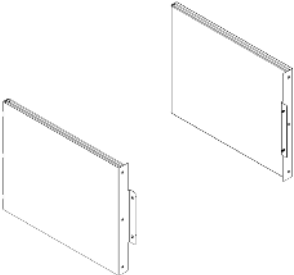
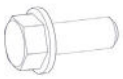
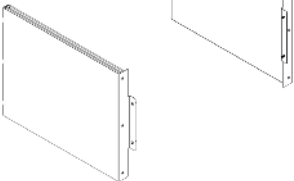
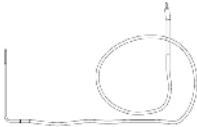
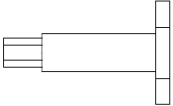
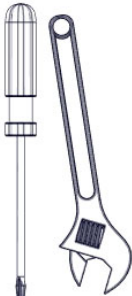
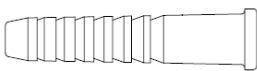
Front View



CUTOUT DIMENSIONS		TOLERANCE
A	30 1/4" [76.9 cm]	+/- 1/8" [0.30 cm]
B	16 3/4" [42.6 cm]	+/- 1/8" [0.30 cm]
C	24 1/2" [62.9]	+/- 1/8" [0.30 cm]
D	3 1/2" MIN [8.9 cm]	-
E	Standard Cabinet Height	-



Hardware Components

<u>Description/ Part No.</u>	<u>Qty:</u>	<u>Picture:</u>	<u>Description/ Part No.</u>	<u>Qty:</u>	<u>Picture:</u>
1. VG0001Grate Kit	1		13. Left Mounting Bracket VG0803	1	
2. Savorizer VG4403	1		14. Right Mounting Bracket VG0802	1	
3. Direct Flame Insert VG4407	1		15. Right Mounting Bracket VG0801	1	
4. Genie Tool VG1595	1		<u>OPTIONAL</u>		
5. Bracket Bolt DS2311	10				
6. Antenna VG9023	1		16. Heat Shield VGBHSK	1	
7. #10 Screw (SS) DS2186	2		17. #10 Screw (BLK) DS2185	4	
8. Cord Wrap VG0560	1		<u>TIME REQUIRED</u> 1.5 Hours		
9. Meat Probe VG0956	1				
10. Leveling Feet DS4668	4		<u>TOOLS REQUIRED</u> • 3/8" Open End Wrench, Socket or Adjustable Wrench • Phillips Screw Driver or Drill • Snips or Heavy Duty Scissors • Cut Resistant Gloves • 5mm Allen Wrench		
11. Concrete Anchor DS2349	2				
12. #10 SS PH Screw DS2350	2				



Grill Installation and Operation

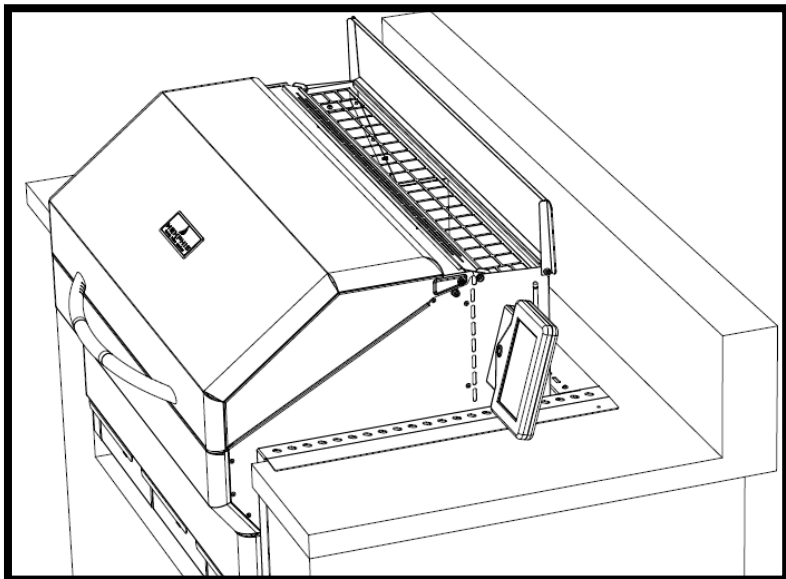
Installation Requirement

A dedicated GFCI protected electrical circuit is required for all Memphis Wood Fire Grills and controller systems. This circuit should be installed by a Certified Electrician. Although the Memphis Grill only uses about 2 amps of current during startup, any other equipment (refrigerator, pool pump, fountains, ect.) that have high current draw, consistently or intermittently, from the same electrical circuit can cause potential issues and/ or interruptions with the performance of the grill. We recommend an on/off switch to be installed in this circuit so that the grill can be easily disconnected from power when not in operation. This will prevent the buildup of interference that could affect the controller's operation.

Hopper Lid Orientation

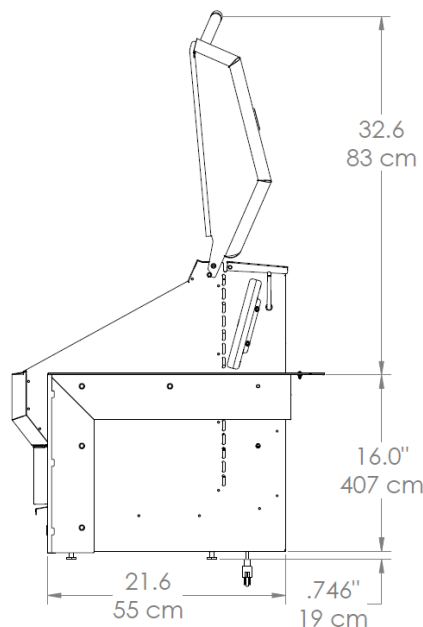
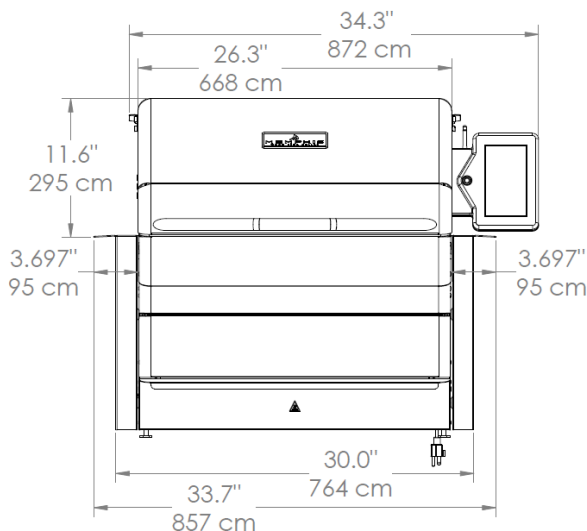
For easier pellet refill, the hopper lid can be oriented to open toward the front of the grill instead of the rear when access to the back of the grill is difficult or unavailable. To switch the orientation to be opened from the front, the shoulder bolts holding the hopper lid must be removed. Rotate the lid so the mounting holes are towards the back of the grill. Re-insert shoulder bolts into the rivnuts towards the back of the grill.

***Note: The fill shield must be flipped up to cover the smoke vent in this orientation. This is used to block pellets from falling into the grill via the smoke vent.**



Other Grill Information

Main Grate Area– 24.8 in X 17.4 in.	[63 cm X 44 cm]	432 in. sq.	[2,772 cm sq.]
Top Grate Area– 24.8 in. X 5.5 in	[63 cm X 14 cm]	136 in. sq.	[882 cm sq.]
Optional Middle Grate Kit Area– 24.8 in. X 11 in	[63 cm X 28 cm]	272 in. sq.	[1,764 cm sq.]
Grill Height with Hood Open– 47.1 in. [120 cm]			





Installation Step 1: Unpacking

Grill requires (2) two people for safe assembly

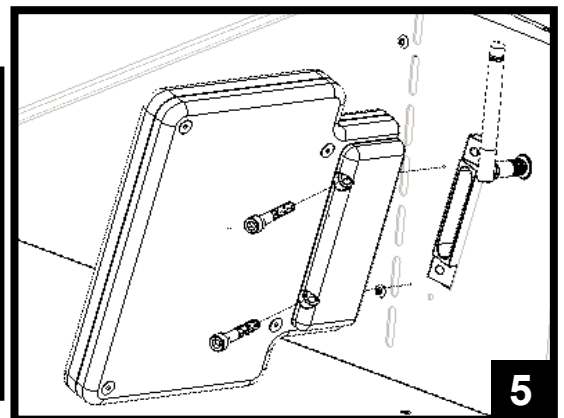
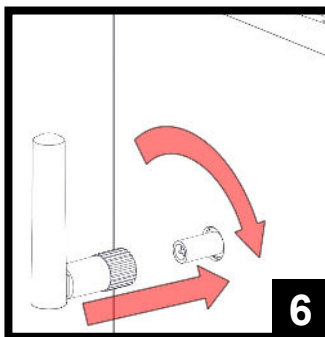
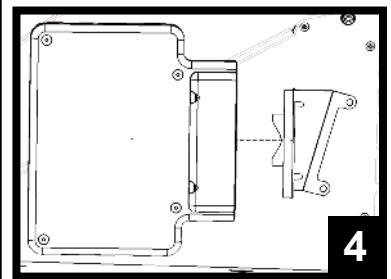
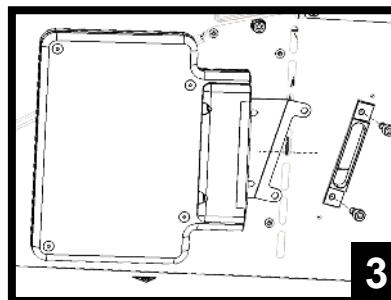
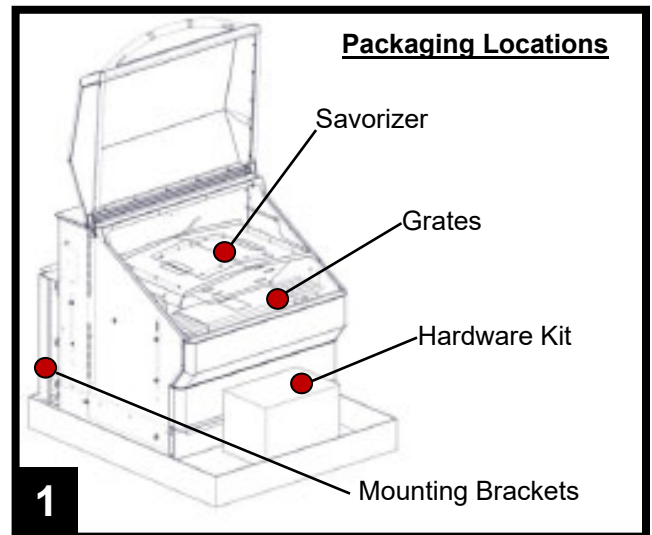
Please note that during shipping some movement may have taken place, so a complete visual inspection is required. Be sure to inspect entire grill after removing the protective shipping carton. Report any damage to your local dealer immediately. Shipping damage is not covered under warranty. Some surfaces may be sharp so wear gloves when assembling. **Do not plug in the grill until it's fully assembled, the plastic protective film is removed from all stainless steel surfaces, and you're ready to cook. See: "Startup Procedure" in the General Owners Guide for more details.**

1. Remove the Savorizer (item 2) and included grates (item 1) from inside the grill hood. To remove the Savorizer, cut the 4 zip ties holding it in place. Set aside grates and Savorizer until needed.
2. Peel all plastic protective film from the grill. Be diligent about inspection as the protective film will be hard to remove once the grill is installed and first burned.

Installation Step 2: Wiring

Follow the assembly steps listed below, prior to installation of the unit.

3. Remove two 5mm socket head screws from Display Housing shipping bracket using the 5mm allen wrench.
4. Snip the zip tie that secures the Display Housing to the shipping bracket and dispose. This bracket is no longer needed.
5. Mount the Display Housing perpendicular to the side panel over the Display Insert bracket using the two 5mm x 50mm socket head screws in the hardware kit. The original 5mm screws can be disposed of.
6. Install Wifi Antenna (item 6) to bulkhead connector located on the right panel of the grill behind the Display Housing.



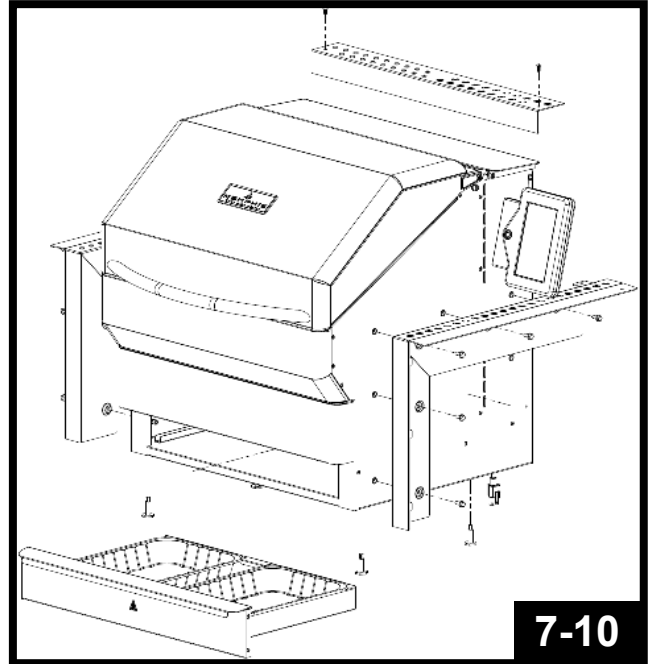


Installation Step 3: Brackets

Follow the assembly steps listed below, prior to installation of the unit. The Unit can be supported by either the support brackets (items 13, 14, and 15) or by the four leveling feet (item 10). Refer to page 4 for item part numbers, descriptions, and quantities.

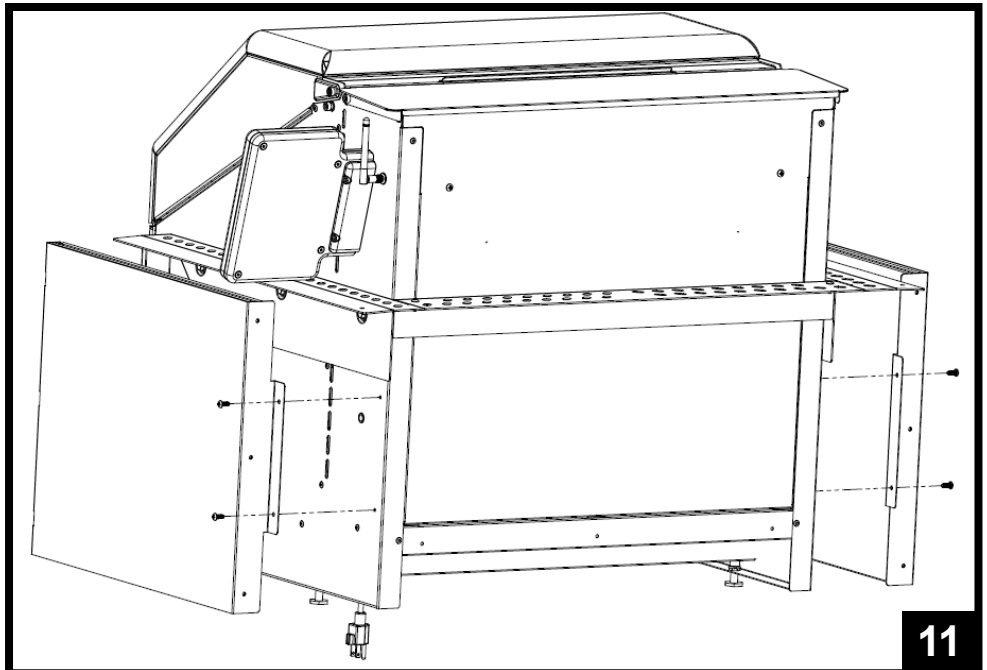
Note that the support brackets must be installed for either support method.

7. Remove the ash/grease drawers from the unit.
8. Fasten the left and right support brackets (items 13 and 14) to the unit using the ten 1/4"-20 stainless steel hex bolts (item 5).
9. Fasten the rear support bracket (item 15) to the left and right support brackets (items 13 and 14) with two #10-24 x 1/2" long stainless steel screws (item 7).
10. This step is only to be done if the grill is going to be supported by the four leveling feet (item 10) and not the support brackets. Thread the four leveling feet (item 10) into the bottom of the unit.



Optional:

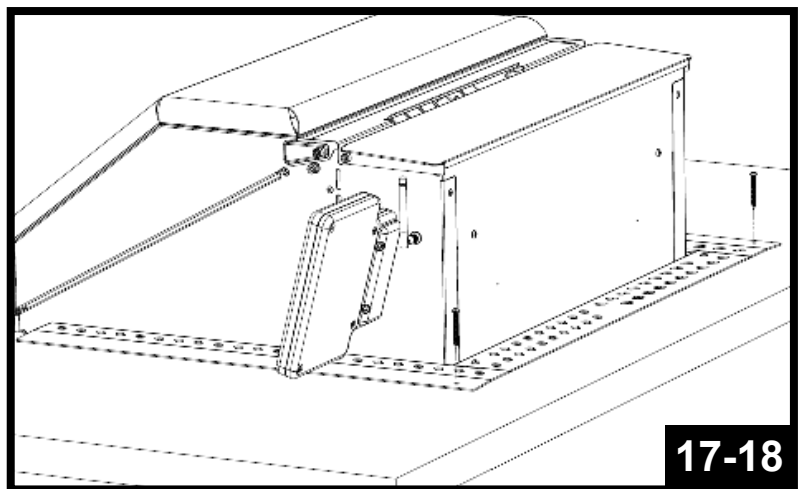
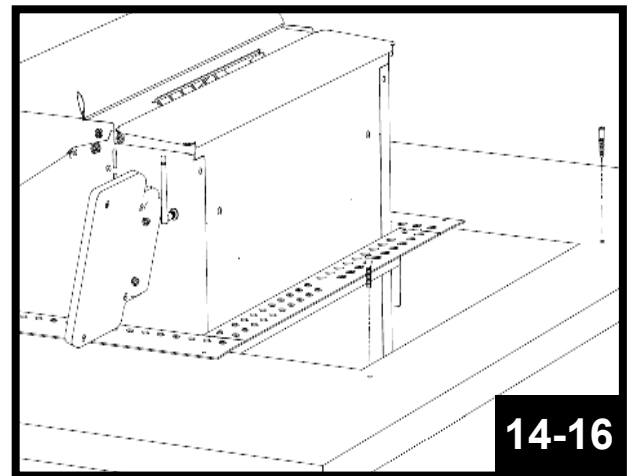
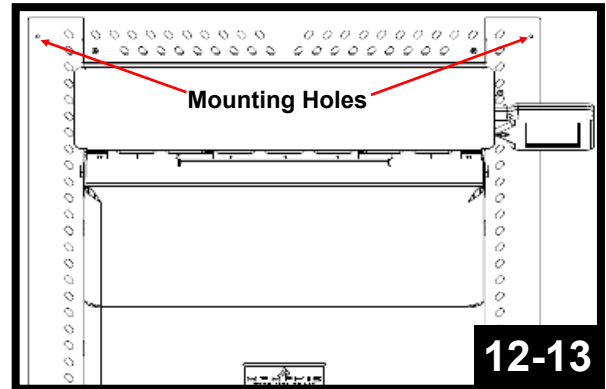
11. To reduce the clearance to combustible materials, the optional heat shield kit should be used. Refer to page two to determine if the heat shield kit is required for your installation. Follow the assembly instructions provided with the heat shield kit to properly fasten the kit to the unit.





Installation Step 4: Grill Mounting

12. Place the unit into the island and position it to the desired depth. **Ensure that the vent holes in the support brackets are unobstructed for properly air circulation.**
13. Locate the two mounting holes found in the back of the left and right support brackets (Items 13 and 14), and mark the hole locations onto the island's countertop.
14. Carefully slide the unit out of the island, exposing the marked holes on the countertop.
15. Drill two 5/16" holes into the countertop using a drill bit appropriate for the material of the countertop.
16. Insert two concrete anchors (item 11), into the two 5/16" holes.
17. Slide the unit back into position, lining up the mounting holes in the left and right support brackets with the concrete anchors.
18. Fasten the unit into place using the two 1 3/4" long stainless steel screws (item 12). Do not over-tighten.





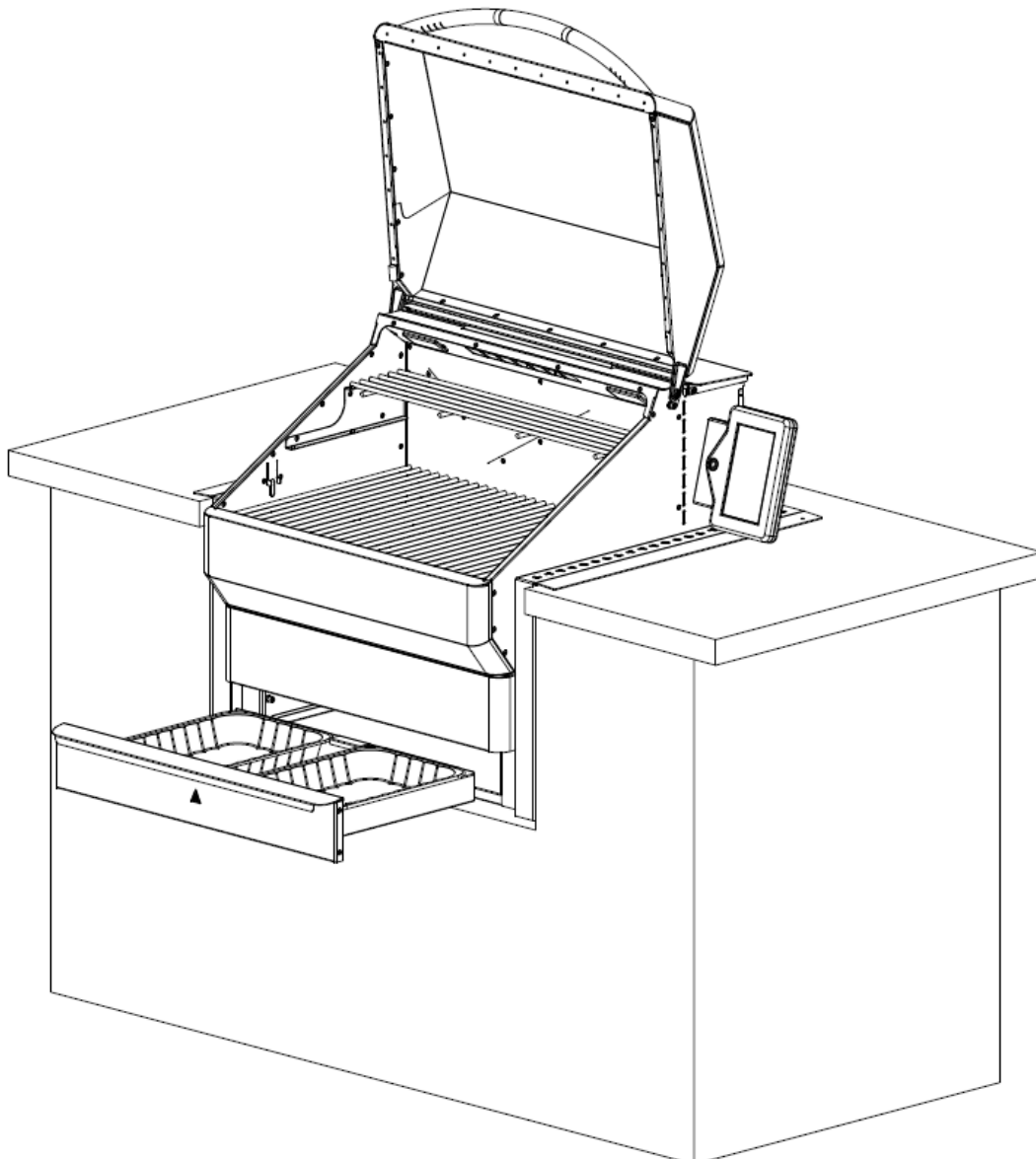
Installation Step 5: Final Assembly

Refer to page 4 for item part numbers, descriptions, and quantities.

19. Inset the three ash/grease drawers back into the unit.
20. Place Savorizer (item 2) onto the left and right lower brackets found inside the unit.
21. Place the main cook grates (item 1) onto the front and rear supports. Place the upper cook grate (item 1) onto the left and right upper brackets found inside the unit.

**Vent holes on the mounting brackets must remain unobstructed for proper air circulation.
Grill must be accessible (able to slide out) for any future repair or maintenance.**

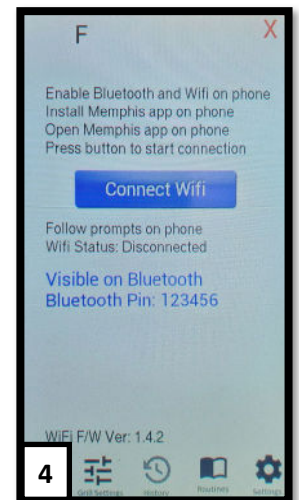
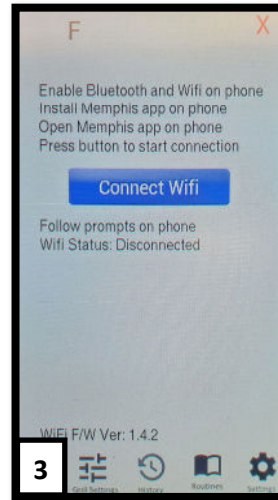
Refer to the Owners Guide for first time use instructions.



MEMPHIS WI-FI SETUP GUIDE

ON YOUR MEMPHIS GRILL:

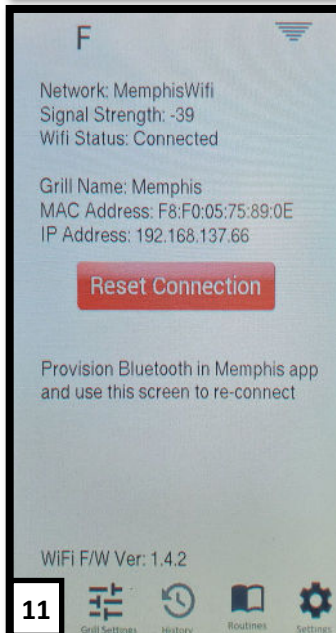
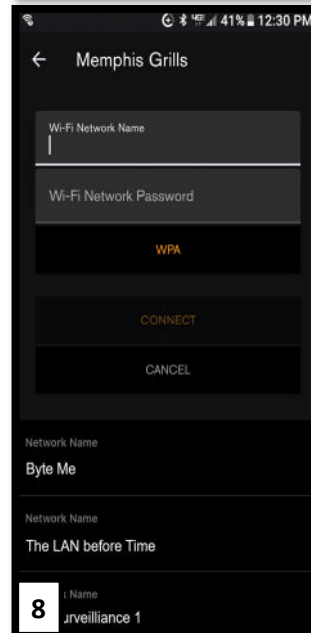
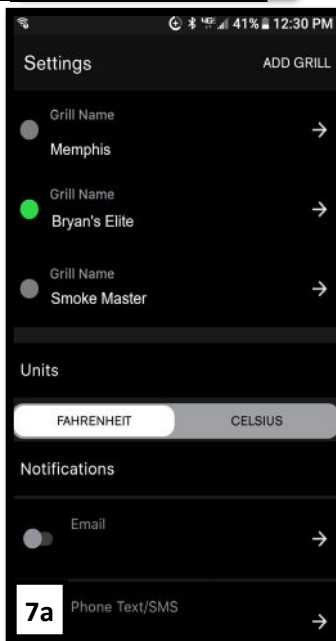
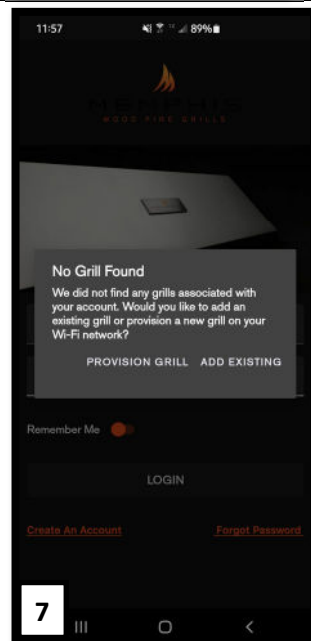
1. Register your account in the Memphis 3 app before proceeding.
2. Navigate to the Settings Screen (far right icon) on the Memphis Grill.
3. Press "WiFi" to navigate to the Connection Screen.
4. Press "Connect WiFi" to start WiFi setup. The screen will display "Visible on Bluetooth" to show it has started.



ON YOUR PHONE OR TABLET: (In Memphis 3 App)

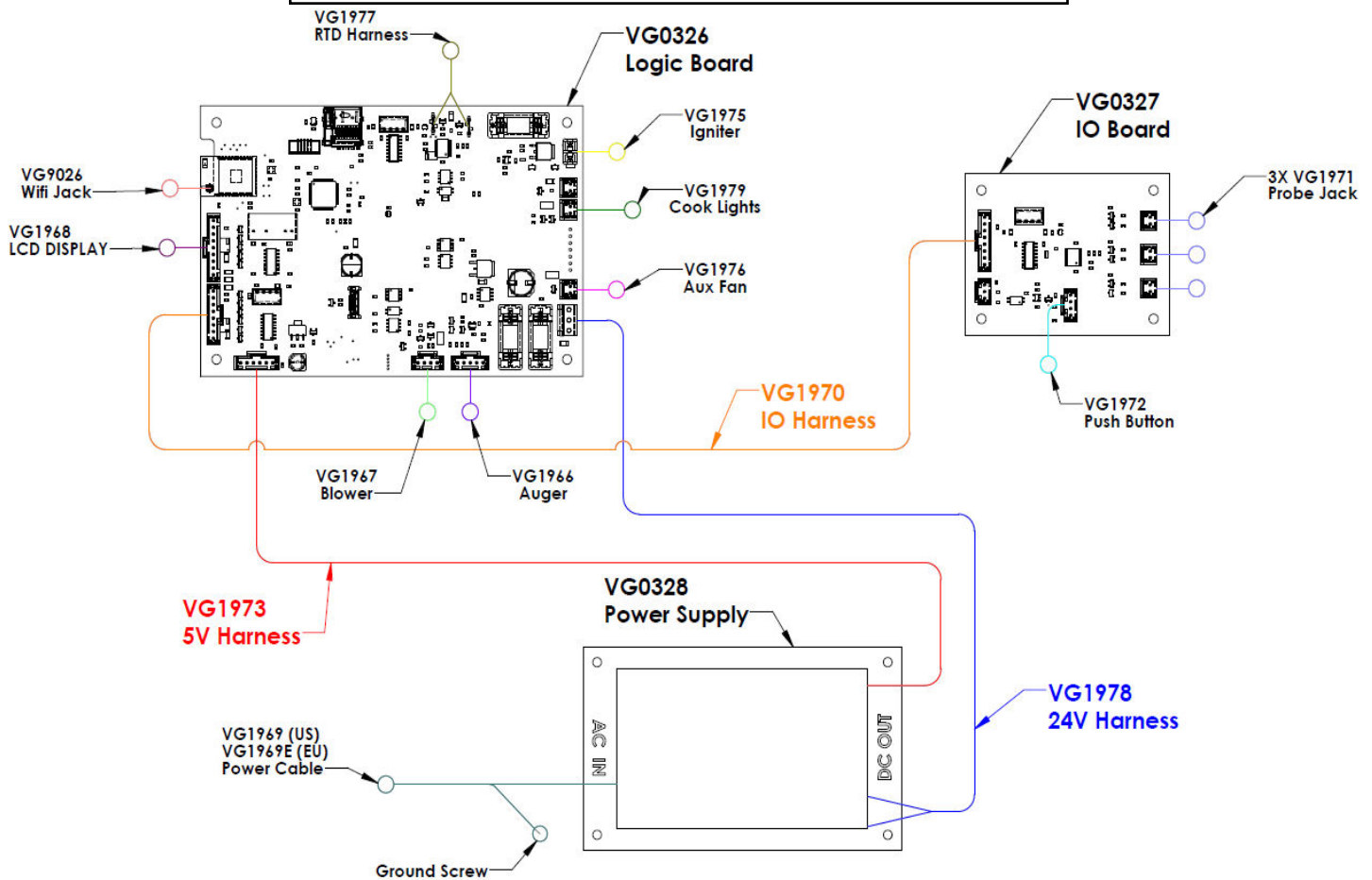
6. Log into Memphis 3 App using your account email and password.
7. If this is your first time setting up a grill on the app, a window will pop up asking to "Provision Grill" or "Add Existing". Press "Provision Grill".
 - 7a. If this isn't the first grill being added to your account, select the settings gear in the top right corner and press "Add Grill" to get the popup.
8. Select your home WiFi network from the scan list shown, enter the WiFi password, and press "Provision".
 - 8a. The WiFi network must be a 2.4 GHz network to appear on the list
9. Enter the Bluetooth Pin to complete provisioning.
10. Once the connection is complete the Memphis Grill will display "Connection Successful" and update in WiFi screen information. The WiFi connection bars will also be displayed in the top right corner.
11. After the WiFi is connected, a popup window will appear in the Memphis 3 app asking for the MAC address and Grill Name. This information can be found on the WiFi screen of the Memphis Grill. Press Settings Menu (Bottom right icon) -> WiFi-> WiFi screen.

*Contact Memphis Technical Support if unable to connect.





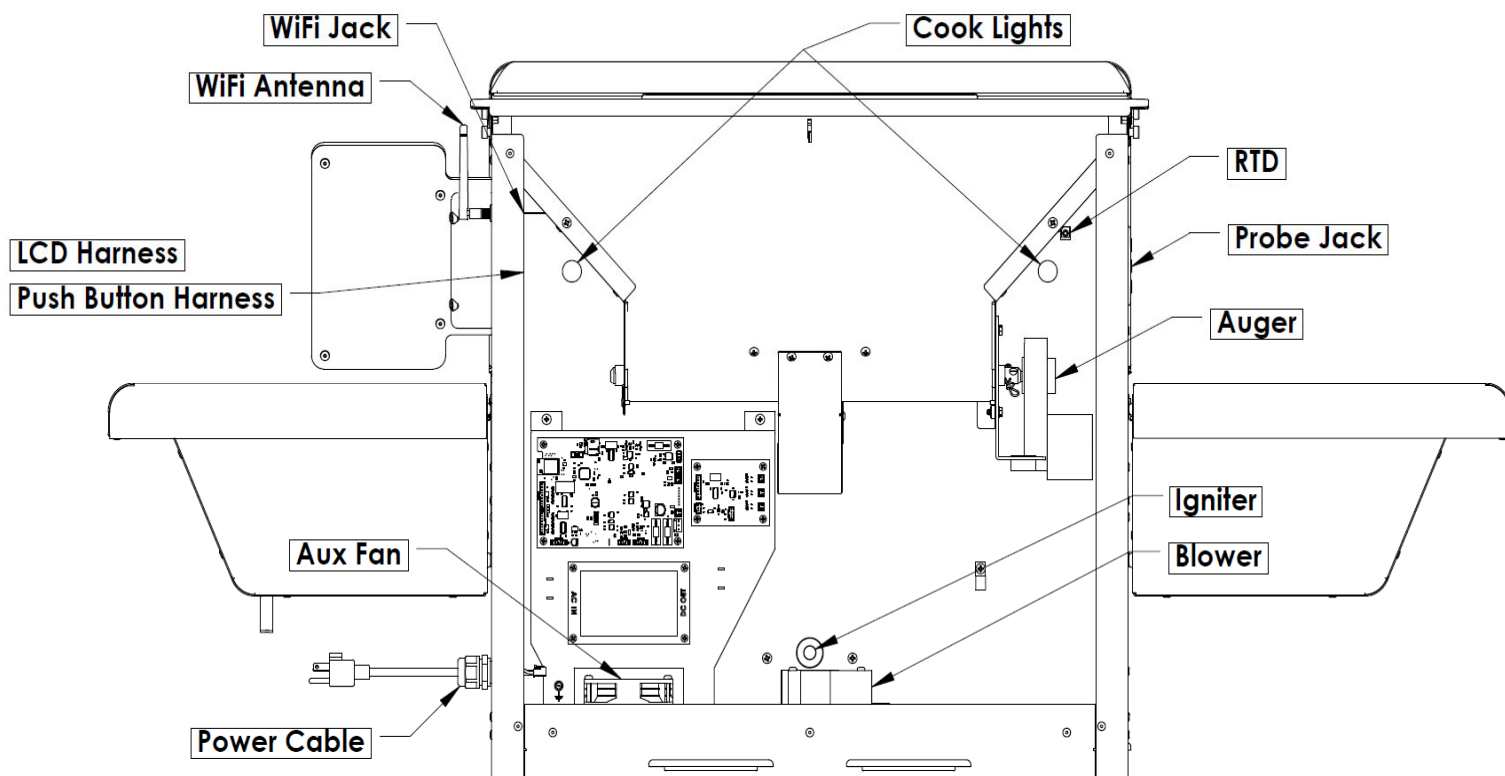
Memphis Controller Diagram



Part #	Name	Description
VG1966	Auger Wiring Harness	5 pin connector from auger motor to the logic board
VG1967	Blower Wiring Harness	4 pin connector from blower to the logic board
VG1968	Display Wiring Harness	9 pin connector from the LCD display to the logic board
VG1969(E)	US Power Cable (Euro)	Power cable that plugs into 120VAC (US) or 240VAC (EU) wall outlet
VG1970	IO Wiring Harness	8 pin connector from IO board to the logic board
VG1971	Probe Jack Wiring Harness	2 pin connector from meat probe jack to the IO board
VG1972	Push Button Wiring Harness	4 pin connector from push button in the Display Housing to the IO board
VG1973	5V Wiring Harness	4 pin connector from power supply board to the logic board
VG1975	Igniter Wiring Harness	2 pin connector from igniter to the logic board
VG1976	Auxiliary Fan Wiring Harness	2 pin connector from Aux fan to logic board
VG1977	RTD Wiring Harness	2 Pin connector from RTD to the logic board. Connection to board is non-polarized
VG1978	24V Wiring Harness	2 pin connector from power supply to logic board. Provides power to blower, aux fan, auger motor, cook lights and LCD
VG1979	Cook Light Wiring Harness	2 pin connector from cook lights to logic board
VG9026	Wifi Jack	Single conductor jack installed in right panel connected to the logic board
VG0326	Logic Board	Controls components related to smoking and cooking
VG0327	IO Board	Controls push button and meat probe jacks
VG0328	Power Supply Board	Provides 24V DC and 5V DC power



Memphis Component Diagram



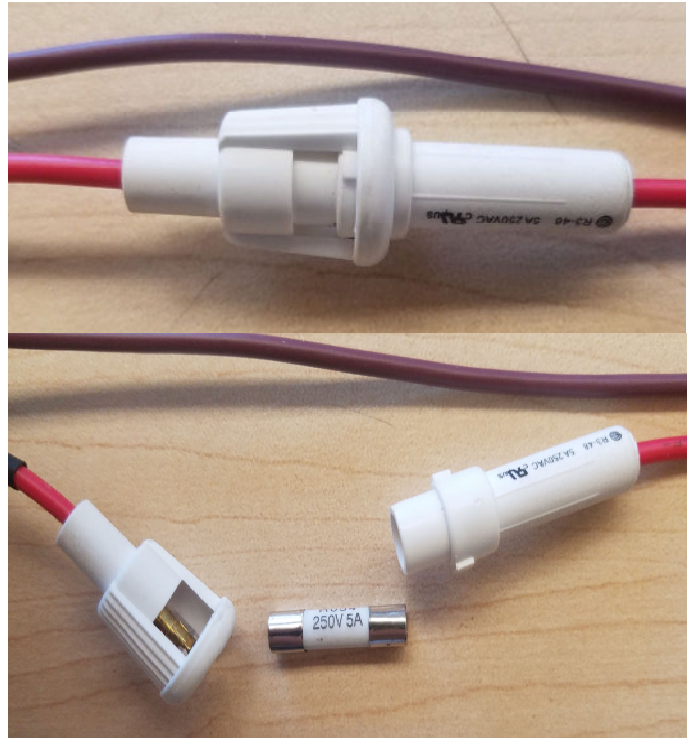
Part #	Name	Description
VG9501	Auger Motor	This component rotates the auger to supply fuel into the burn pot
VG1967	Blower	This component pulls air from the lower cabinet and into the firebox for combustion
VG1968	LCD	Used to display Grill information and change grill settings
VG1969(E)	US Power Cable (Euro)	Power cable that plugs into 120VAC (US) or 240VAC (EU) wall outlet
VG1971	Probe Jack	This component is used to plug probes for monitoring meat temperature
VG1972	Push Button	This component is used to set the grill to cooldown, reset the controller, or put the display to sleep
VG1975	Igniter	This component provide the initial heat during startup
VG1976	Auxiliary Fan	This component supplies cooling for the power supply and logic boards
VG1977	RTD	This component is used by the controller to determine the cook chamber temperature
VG1980	Cook Lights	These components are mounted inside the cook chamber to provide light to the cook area
VG9026	WiFi Jack	Single conductor jack install in right panel connected to the logic board
VG9023	WiFi Antenna	2.4GHz WiFi antenna



Memphis Fuse Diagram

Power Cable (VG1969) Fuse

- VG9021– Fuse Glass 250VAC 5A 5 x 20 mm



Logic Board Layout

