



# Deluxe Outdoor

## Assembly & Operation

### Grill & Smoker 1800CGS



Conforms to ANSI STD Z21.58a-2008  
OUTDOOR COOKING GAS APPLIANCES

**Intertek**



#### Tools needed for assembly:

Phillips screwdriver, Pliers or Adjustable Wrench

#### **⚠ DANGER ⚠**

If you smell gas:

1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. Open lid.
4. If odor continues, keep away from the appliance and immediately call your fire department.

Failure to follow these instructions could result in fire or explosion which could cause property damage, personal injury or death.

#### **⚠ DANGER ⚠**

1. Never operate this appliance unattended.
2. Never operate this appliance within 10 ft (3.0 m) of any structure, combustible material or other gas cylinder.
3. Never operate this appliance within 25 ft (7.5 m) of any flammable liquid.
4. Do not fill cooking vessel beyond maximum fill-line.
5. Never allow oil or grease to get hotter than 400°F or 200°C. If the temperature exceeds 400°F (200°C) or if oil begins to smoke, immediately turn the burner or gas supply OFF.
6. Heated liquids remain at scalding temperatures long after the cooking process. Never touch cooking appliance until liquids have cooled to 115° F (45°C) or less.
7. If a fire should occur, keep away from the appliance and immediately call your fire department. Do not attempt to extinguish an oil or grease fire with water.

Failure to follow these instructions could result in fire or explosion which could cause property damage, personal injury or death.

 **WARNING** 

For Outdoor Use Only  
(outside of any type of enclosure)

 **DANGER** 

- Never use the gas or charcoal grill for INDOOR cooking or heating
- Never use the grill on or in a boat or recreational vehicle

The combustion fumes from either the gas or charcoal grill are toxic and can cause severe illness and possibly death.

 **WARNING** 

If you smell gas –

- Turn off the gas supply to the appliance
- Extinguish any and all open flames
- Open the Lid of the Grill
- If the odor remains, stay away from the grill and notify your gas supplier and/or the Fire Department.

 **WARNING** 

The combustion of Propane gas can yield the formation of chemical compounds known in the state of California, U.S.A., to cause birth defects, cancer, and other serious health matters.

 **WARNING** 

- Do not use or store gasoline, kerosene, alcohol, or other flammable liquids or vapors in the vicinity of this appliance or any other appliance.
- Any LP Gas Cylinder NOT connected for use with the appliance, shall not be stored in the same vicinity of this or any other appliance.

A LP Propane Gas Cylinder is needed for operating the gas side of this grill.  
The LP Gas Cylinder is NOT included.  
This gas grill is only intended for Domestic use, not to be used for any commercial purpose.

 **WARNING** 

Read this installation manual before assembling or servicing this appliance.

Failure to follow these instructions may result in a faulty installation, which could cause damage to property,

 **IMPORTANT** 

Save these instructions after reading them in case you need to refer to them in the future.

 **WARNING** 

**CALIFORNIA PROPOSITION 65**  
Combustion by-products produced when using this product contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.



***Read all safeguards and assembly instructions before assembling and operating your grill/smoker.***

***Before assembling your new grill/smoker, unpack all the parts from the box.***

***Carefully remove all packing material and lay out all the parts for easy access and identification. Do not discard the carton or packaging until your smoker is fully assembled and operating to your satisfaction.***

***In order to properly assemble your smoker, you will only need two tools:***

- ***Phillips head screwdriver***
- ***Pliers or adjustable wrench***  
***(tools not included)***

***The grill/smoker is heavy and must be moved around during assembly and before use. Be sure to have a friend help.***

**Outdoor Leisure Products, Inc.**

**5400 Doniphan Drive**

**Neosho, MO 64850**

**Toll Free: 866-475-5180**

**Website: [www.olp-inc.com](http://www.olp-inc.com)**

**8:30am to 4:30pm, Central Time  
Monday through Friday**

## **SAFETY WARNINGS**

1. The installation of this grill must conform to local codes, or in the absence of local codes, with either the *National Fuel Gas Code, ANSI Z223.1 / NFPA 54, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling Code, B 149.2, or The Standard for recreational Vehicles, ANSI 119.2 / NFPA, and CSA Z240 RV Series, Recreational Vehicle Code*, as Acceptable.
2. The Gas Grill side of the grill /smoker is for use with LP (Propane) Gas ONLY! LP Gas Cylinder is NOT included with the Grill.
3. Never use lighter fluid, gasoline, kerosene, or alcohol for lighting the gas grill.
4. The LP Gas supply Cylinder used must be constructed and marked in accordance with the *Specifications of the U.S. Department of Transportation (D.O.T.) or The Standard for Cylinders, Spheres and Tubes for Transportation of Dangerous Goods; and Commission, CAN/CSA-B339*, as applicable. It MUST be provided with a Listed Overfilling Device. Only use 20 pound cylinders that have a type 1 cylinder connection device compatible with the Connection for Outdoor Cooking Appliances.
5. The LP gas cylinder must be arranged for vapor withdrawal, purging and have an overfilling prevention device.
6. LP Gas Cylinders must be stored outdoors, out of the reach of children, and must not be stored in a building, garage or any other enclosed area.
7. The Pressure regulator and Hose Assembly supplied with the Grill, must be used. Any replacement regulator and hose assemblies must be those specified by the outdoor cooking gas appliance manufacturer.
8. The LP Gas Cylinder must include a collar to protect the cylinder valve.
9. Do not store a spare LP Gas Cylinder under or near this grill.
10. Never fill the LP Gas Cylinder beyond 80% full. For vapor withdrawal /purging, The cylinder should be in the upright position.
11. This outdoor cooking gas appliance must only be used outdoors, and must not be used in a building, garage or any enclosed area
12. The following distances for proper clearance must be maintained :
  - Minimum distance from back and sides of the outdoor cooking gas appliance \_to walls is 36" ( 1 meter )
  - Do not use under any overhead combustible constructions
  - For outdoor use only
  - Remove LP Gas Cylinder from grill if storing grill indoors
13. This outdoor cooking gas appliance is not intended to be installed in or on boats
14. Inspect the Gas Hose before each use. If the Hose has any leak, cut or wear, it must be replaced BEFORE using the grill
15. Do not try to move the grill while either gas, charcoal or smoker firebox is lit.
16. Wait one hour minimum before touching any metal parts, until they are cool.
17. NEVER leave the grill unattended when in use.
18. Keep children and pets away from the grill when in use.

**IF THESE INSTRUCTIONS ARE NOT FOLLOWED EXACTLY, A FIRE CAUSING DEATH OR SERIOUS INJURIES MAY OCCUR!**

**READ ALL SAFEGUARDS AND INSTRUCTIONS THOROUGHLY!**  
**YOUR SAFETY IS VERY IMPORTANT – FAILURE TO FOLLOW PROPER PROCEDURES AND SAFEGUARDS MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.**

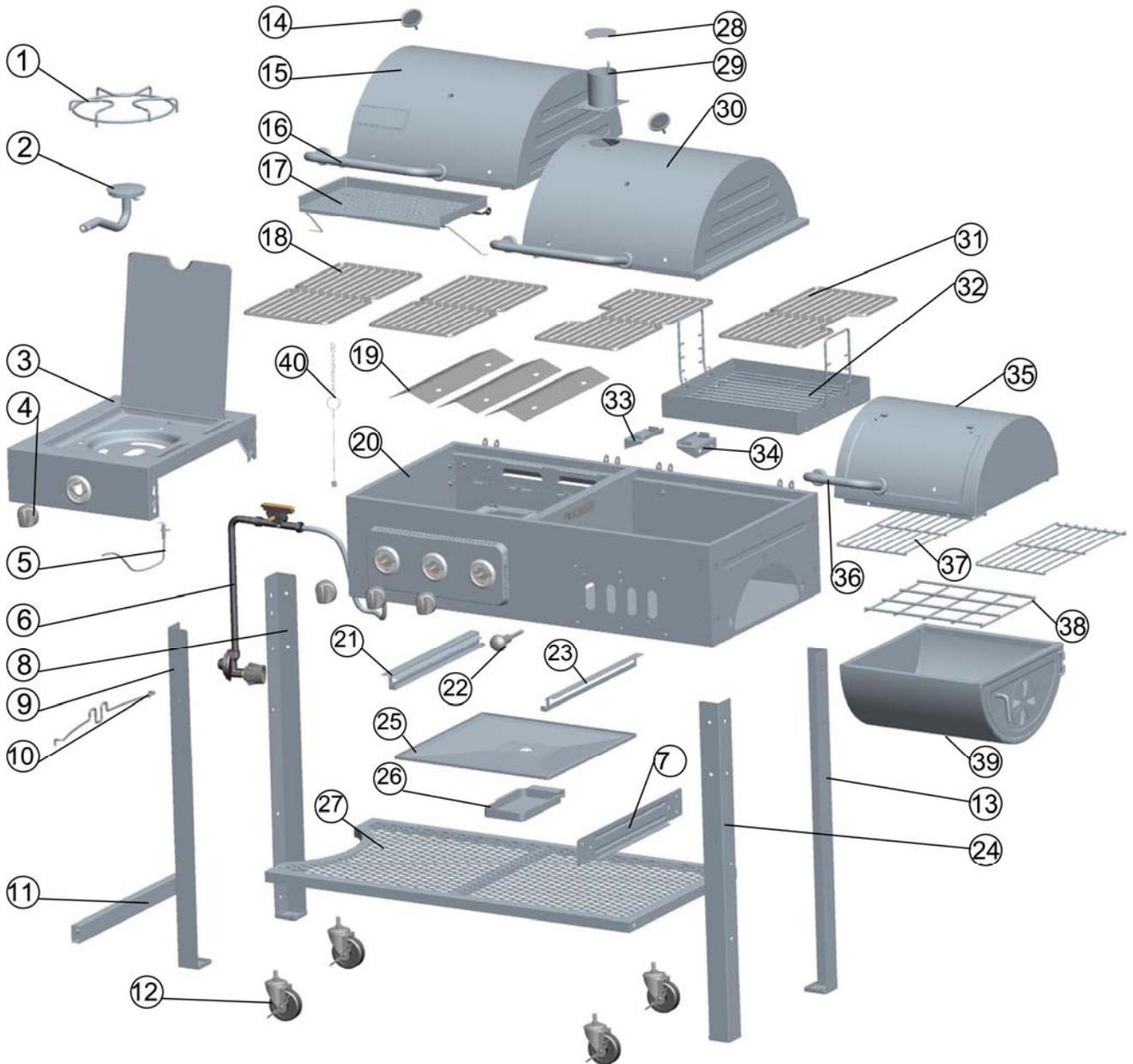
 <b>DANGER</b>	<b>DANGER</b> 
<ul style="list-style-type: none"> <li>. The GRILL is for outdoor use only!</li> <li>. Do NOT use this grill for other than its intended purpose.</li> <li>. Do not leave grill unattended when in use.</li> <li>. Do not use gasoline, kerosene or alcohol for lighting charcoal, use of any of these or similar products may cause an explosion possibly leading to severe bodily harm.</li> <li>. Never operate this grill under any overhead roof covering, awning or overhang. Never use inside an enclosed area such as screen patios, garages, buildings or tents.</li> <li>. Keep the area clear of all flammable liquids, combustible material including but not limited to wood, dry plants including grass, brush, paper, and canvas.</li> <li>. Grill is HOT while in use and after use – Avoid touching hot surfaces. Always wear protective gloves or mitts when operating the smoker.</li> <li>. Keep children and pets away from the grill at all times.</li> <li>. Do not allow anyone to conduct activities around the grill during or following its use until the unit has cooled. The grill is hot during operation and remains hot for a period of time following its use.</li> <li>. Always wear shoes and protective clothing during operation of this smoker.</li> <li>. Never use glassware, plastic, or ceramic cookware in this grill.</li> <li>. The firebox lid will be extremely hot.</li> <li>. When grilling, grease from meat may drip into the charcoal and cause a grease fire. If this should happen, close the lid and dampers to suffocate the flame.</li> <li>. Do not use water to extinguish grease fires.</li> </ul>	<ul style="list-style-type: none"> <li>. Do not move the unit while it is being used.</li> <li>. Do not use in windy conditions.</li> <li>. Use caution when opening the lid, as hot steam or a flame flare-up could cause burns.</li> <li>. Before each use, make sure the unit is in good working condition.</li> <li>. Use caution after the fire has been extinguished, the surface will remain hot for some time.</li> <li>. Be sure all charcoals are cold before emptying, if necessary pour water on coals before moving grill.</li> <li>. Store the grill out of reach of children and in a dry location when not in use.</li> <li>. Check grease and or ash level in ash pan often and empty. Use extreme caution as the smoker, and metal ash pan will be hot.</li> <li>. When opening the lids, keep hands, face and body a safe distance from hot steam and flame flare-ups.</li> <li>. Do not allow charcoal and or wood to rest on the walls of the firebox and cooking chamber. Doing so will greatly reduce the life of the metal and finish of you smoker.</li> <li>. Close lids and all dampers to suffocate flame.</li> <li>. Never leave coals and ashes in grill unattended. Before grill can be left unattended, remaining coals and ashes must be removed from smoker.</li> <li>. Use caution when lifting or moving smoker to prevent strains and back injuries.</li> <li>. Properly dispose of all packaging material.</li> </ul>

USE CAUTION AND COMMON SENSE WHEN OPERATING YOUR SMOKER. READ ALL INSTRUCTIONS, WARNINGS AND SAFEGUARDS PRIOR TO ASSEMBLING AND OPERATING YOUR SMOKER.

**SAVE THESE INSTRUCTIONS**

# 1800CGS Parts List

**Note:** For assistance, including missing or damaged parts, call toll free - 866-475-5180 from 8:30 am - 4:30 pm Central Time, Monday - Friday



## Hardware Pack

Quantity	Description
54	M6x15 Combo Truss Head Bolts, Black Nickel Plated
6	M6x15 KEPS Combo Truss Head Bolts, Black Nickel Plated
8	M6 KEPS Nuts Black Nickel Plated
1	M4 Nut, Black Nickel Plated
5	M4x8 Combo Truss Head Bolts, Black Nickel Plated
2	M6x30 Combo Truss Head Bolts, Black Nickel Plated
4	Hinge Pins, Black Nickel Plated
4	"R" Clips, Black Nickel Plated
1	Small Spring, Black Nickel Plated
1	Wrench For Caster Assembly
1	M6 Cap Nut, Black Nickel Plated

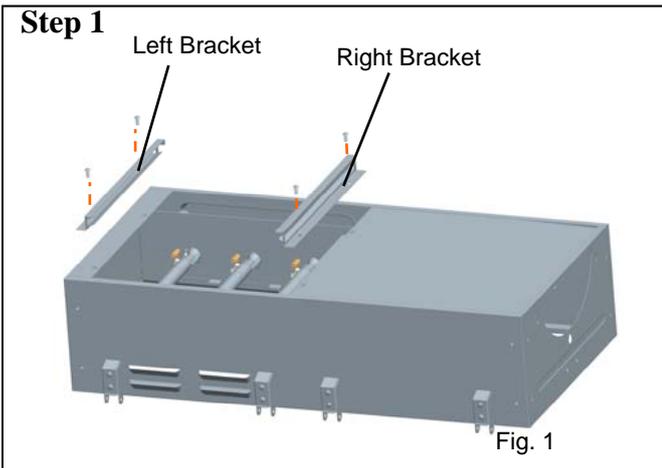
# 1800CGS Parts List

Item NO.	Quantity	Description	Part NO.
1	1	Side Burner Wire Grid Rack	TR001
2	1	Side Burner Assembly	TR002
3	1	Side Burner Housing	TR003
4	4	Gas Valve Control Knobs	TR004
5	1	Igniter with Wire	TR005
6	1	HVR assembly with Side Burner Valve	TR006
7	1	Fire Box Support Brace	TR007
8	1	Left Rear Leg	TR008
9	1	Left Front Leg	TR009
10	1	LP Gas Cylinder Wire Retainer	TR010
11	1	LP Gas Cylinder Bottom Support Brace	TR011
12	4	Locking Casters	TR012
13	1	Right Rear Leg	TR013
14	2	Heat Indicators	TR014
15	1	Gas Grill Lid	TR015
16	2	Gas and Charcoal Grill Lid Handles	TR016
17	1	Warming Rack	TR017
18	2	Gas Grill Cooking Grids	TR018
19	3	Burner Heat Tents	TR019
20	1	Gas and Charcoal Grill Cabinet Assembly	TR020
21	1	Left Side Gas Grill Bottom Tray Support Bracket	TR021
22	1	Damper Control Knob	TR022
23	1	Right Side Gas Grill Bottom Tray Support Bracket	TR023
24	1	Right Front Leg	TR024
25	1	Gas Grill Grease Tray	TR025
26	1	Removable Grease Cup	TR026
27	1	Bottom Mesh Shelf	TR027
28	1	Smoke Stack Lid	TR028
29	1	Smoke Stack Assembly	TR029
30	1	Charcoal Grill Lid	TR030
31	2	Charcoal Grill Cooking Grids	TR031
32	1	Charcoal Tray Assembly	TR032
33	1	Left Side Charcoal Tray Adjuster Bracket	TR033
34	1	Right Side Charcoal Tray Adjuster Bracket	TR034
35	1	Firebox Top Half Assembly	TR035
36	1	Firebox Lid Handle	TR036
37	2	Firebox Cooking Grids	TR037
38	1	Firebox Wood Rack	TR038
39	1	Firebox Bottom Half Assembly	TR039
40	1	Match Holder	TR040

# Assembly

**Note:** Carefully cut the tape holding the carton together. Cut the carton so that it can lay flat on the ground to provide a clean surface for assembling your Grill. Remove the packing materials and all the parts from inside the Cabinet. After unpacking all the parts, check to make sure you HAVE all the parts. If anything is damaged or missing, contact our toll free number: 866-475-5180. Discard all packing material in a safe and recyclable manner. Save this Assembly Manual for future reference.

Tools Required: Phillips Head Screwdriver, Adjustable Wrench or Pliers



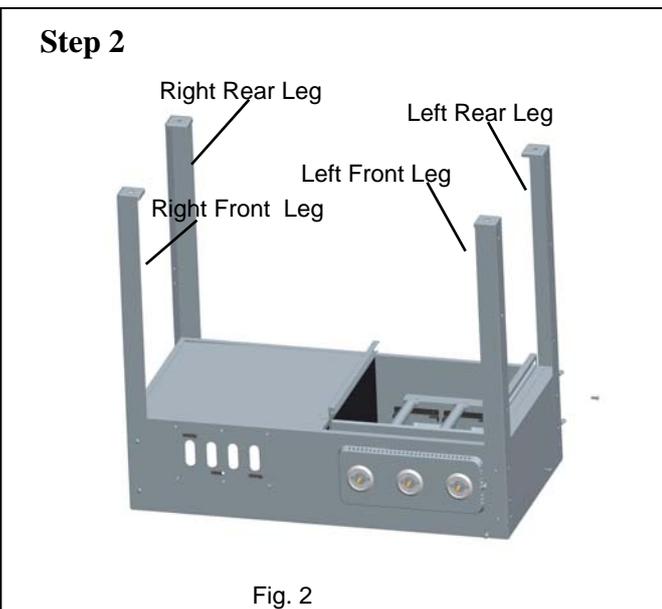
## Step 1: Assembly of Gas Grill Bottom Tray Support Brackets to the Gas Grill Cabinet

*Locate:* Left and Right Gas Grill Bottom Tray Support Brackets, (4) M6x15 Bolts

*Procedure:*

Position the Gas and Charcoal Cabinet upside down. Refer to Fig.1 and attach the Brackets as shown using (4) M6x15 bolts.

Guide stops must be positioned to the front of the Grill.



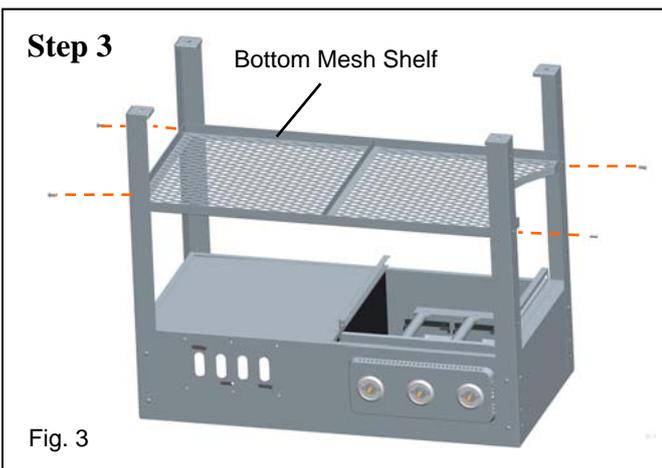
## Step 2: Leg Assembly

*Locate:* Note- each leg will have an identification label on it. (4) Legs, (14) M6X15 bolts

*Procedure:*

Refer to Fig. 2- Attach the Left Front Leg and the Left Rear Leg as shown using (3) M6\*15 bolts for each leg and attach the Right Front Leg and Right Rear Leg, using (4) M6x15 bolts for EACH leg.

Note: The Left Legs are attached to the gas grill and the Right Legs are attached to the charcoal grill.



## Step 3: Attach Bottom Mesh Shelf

*Locate:* Bottom Mesh Shelf, (4) M6x15 bolts.

*Procedure:*

Refer to Fig. 3 and attach the Bottom Mesh Shelf to the Legs as shown using (1) M6x15 bolt in each hole at both ends of the Shelf

# Assembly

## Step 4



Fig. 4

### Step 4: Attach LP Gas Cylinder Bottom Support Brace

*Locate:* The tubular Support Brace, (2) M6x15 bolts

*Procedure:*

Refer to Fig. 4 and attach the Support Brace to the **INSIDE** of the Left Side Front and Rear Legs using (1) M6x15 bolt at each end of the Brace

## Step 5

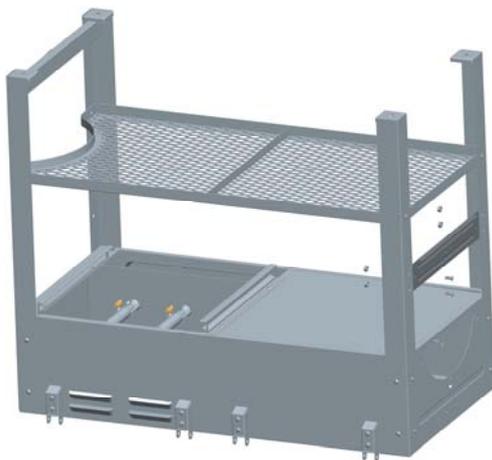


Fig. 5

### Step 5: Attach Fire Box Support Brace

*Locate:* Fire Box Support Brace, (4) M6x15 bolts, (4) M6 KEPS nuts

*Procedure:*

Refer to Fig. 5 and Place the Fire Box Support Brace **BETWEEN** the Legs on the **RIGHT** side of the Cabinet, so that the **LEDGE** is at the **TOP** and facing through the Legs. Fasten to **BOTH** legs with (2) M6x15 bolts and (2) M6 KEPS nuts on each Leg

## Step 6

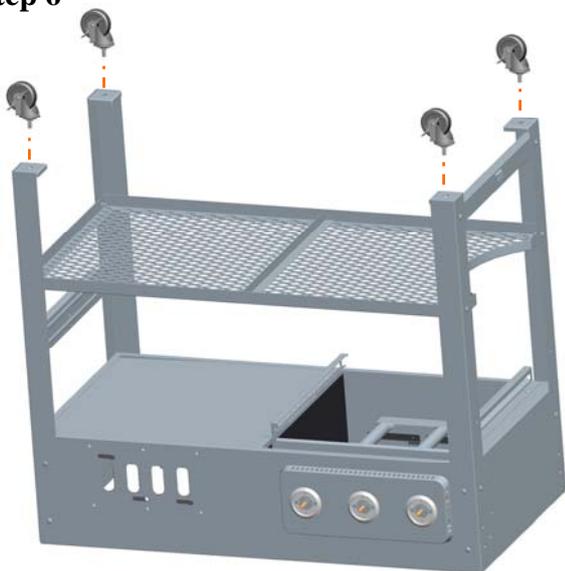


Fig. 6

### Step 6: Attaching Casters

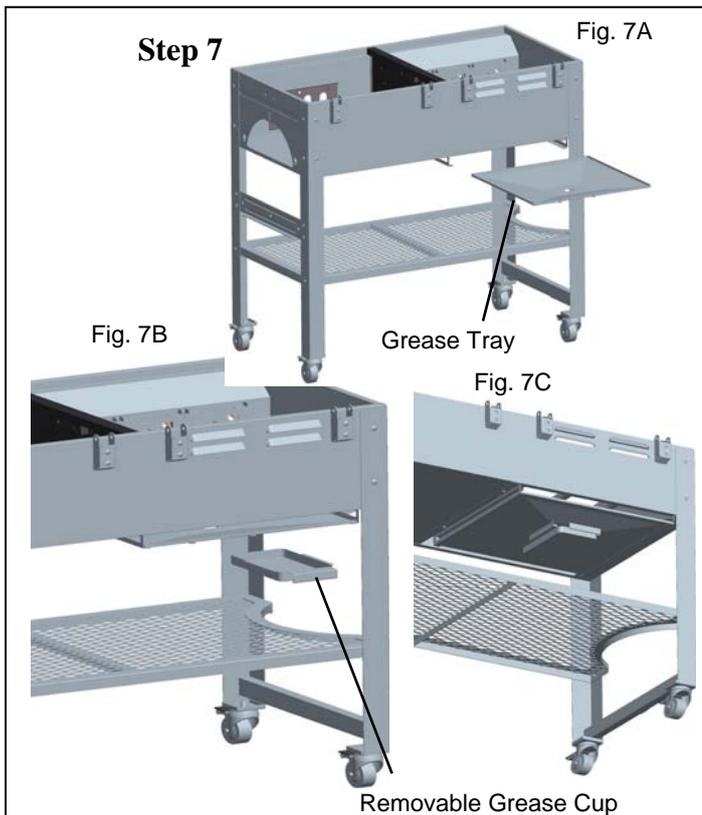
*Locate:* (4) Locking Casters

*Procedure:*

Refer to Fig. 6 and screw a Caster onto each Leg, then tighten with a wrench.

**Note:** LOCK ALL CASTERS BEFORE GOING TO STEP 7.

# Assembly

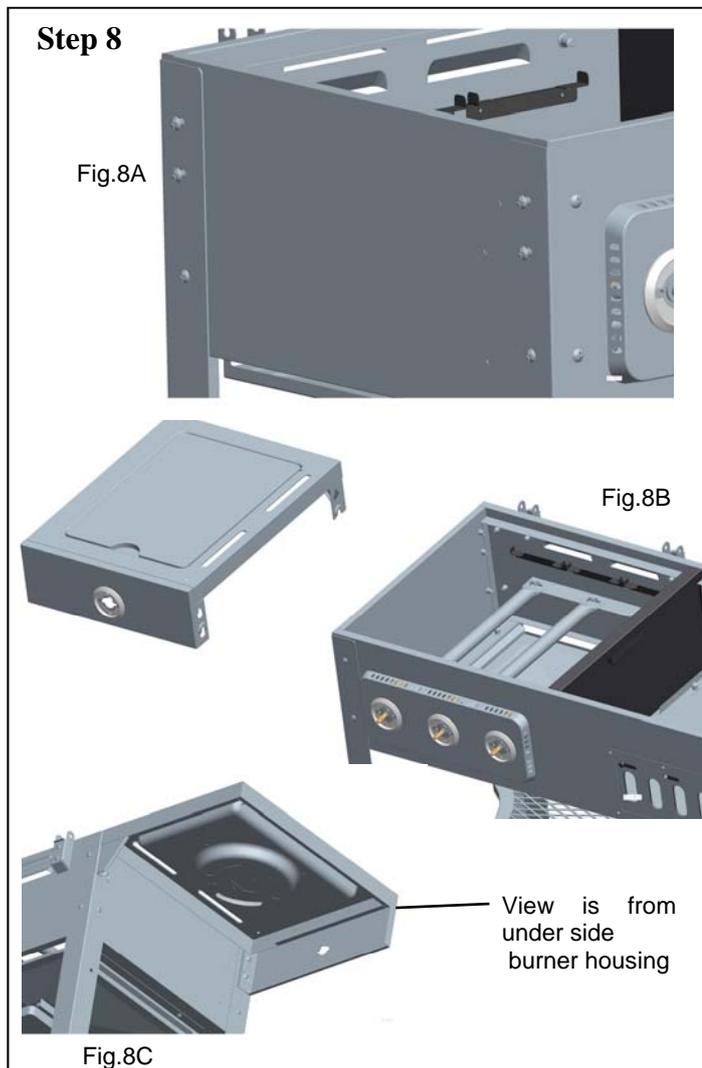


## Step 7: Assembling the Gas Grill Grease Tray and Removable Grease Cup

*Locate:* Grease Tray and Removable Grease Cup

*Procedure:*

Stand the Grill Assembly UP onto its Casters. Refer to Figs. 7A; 7B; and 7C. Note in Fig 7C, that there are Guides for the Removable Grease Cup to slide in and out on from the BACK of the Grill, so, the guides must open to the BACK of the Grill! Standing at the Back of the Grill, slide the Grease Tray slightly above the Support Bracket rails to the front of the Grill. It will drop into place against the rail stops, which prevent it from sliding in or out of the Grill. Position the drain hole in the grease tray to be toward the back of the grill.



## Step 8: Attach the Side Burner Housing

*Locate:* Side Burner Housing, (4) M6x15 bolts

*Procedure:*

Refer to Fig. 8A, Screw in the (4) M6x15 bolts into the (4) holes, BUT, leave about 1/8<sup>th</sup> of the bolt stick out, as shown. Refer to Fig.8B, Position the Burner Housing over the (4) bolt heads and into the Keyhole openings. Slide the Housing down to fit the bolts into the slots, and tighten the bolts to secure the Housing to the Grill as seen in Fig. 8C

# Assembly

## Step 9

Fig.9A

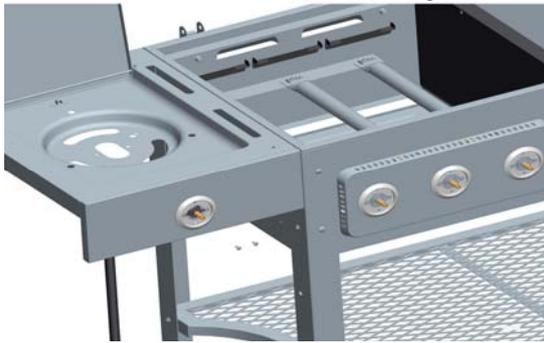


Fig.9B



Fig.9C

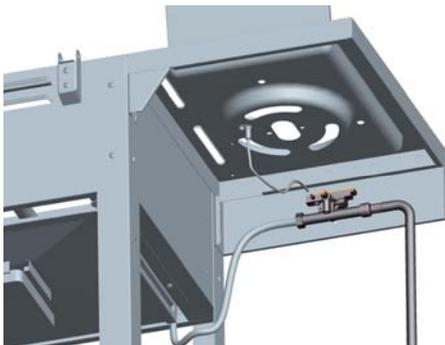


Fig.9D

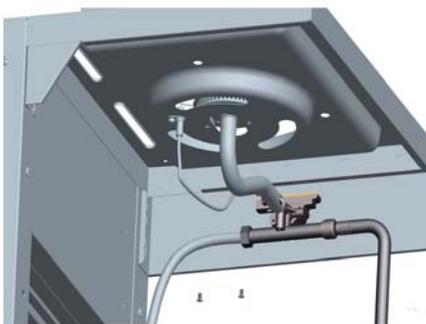
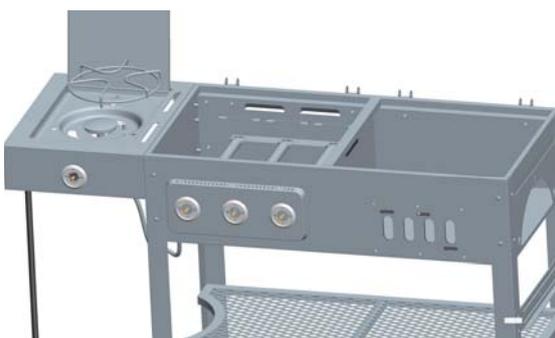


Fig.9E



## Step 9: Assemble the Side Burner Gas Burner Unit

*Locate:* (1) Side Burner Housing, Hose, Valve and Regulator assembly (HVR), Igniter, igniter wire, Burner Assembly, Side Burner Wire Grid rack, and (5) M4x8 Bolts, and (1) M4 Nut

### *Procedure:*

Position the gas valve **BEHIND** the front panel of the Housing and align the (2) threaded holes in the gas valve with the (2) holes in the Side Burner Housing Front Panel. Attach the gas valve to the panel using the (2) M4x8 screws. Refer to Fig. 9B, and insert the Igniter from the **UNDERSIDE** of the Housing and tightly fasten in place with (1) M4x8 bolt and M4 nut. Refer to Fig. 9C and attach the Igniter Wire into the Gas Valve connection opening. Refer to Fig. 9D – insert the Side Burner Assembly, by passing the Tube portion **DOWN** from the **TOP** side of the Housing and position the tube end securely and **COMPLETELY** over the Gas Valve tip, making sure that the valve is completely **INSIDE** the tube. Refer to Fig. 9D Fasten the Burner Assembly to the Housing with (2) M4x8 bolts from the **UNDERSIDE** of the housing. Refer to Fig. 9E and position the Side Burner Wire Grid Rack in place, over the burner, and into the (3) holes.

# Assembly

## Step 10

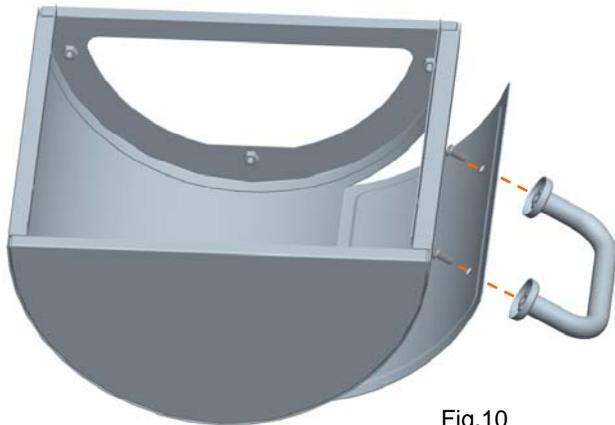


Fig.10

## Step 10: Attach Firebox Lid Handle

*Locate:* Firebox Lid Handle, (2)  
M6x15 bolts

*Procedure:*

Refer to Fig.10 Lift the Lid up and insert (2) M6x15 bolts from the INSIDE of the Lid to attach the Handle and Lid

## Step 11



Fig.11

## Step 11: Assemble the Firebox

*Locate:* Firebox Top and Bottom halves,  
(8) M6x15 bolts

*Procedure:*

Refer to Fig. 11. Note- the clean-out door is in the BOTTOM half and facing to the RIGHT. The smoke passage opening is in the TOP half and is facing to the LEFT. Fasten the two halves together with (8) M6X15 bolts as shown.

## Step 12

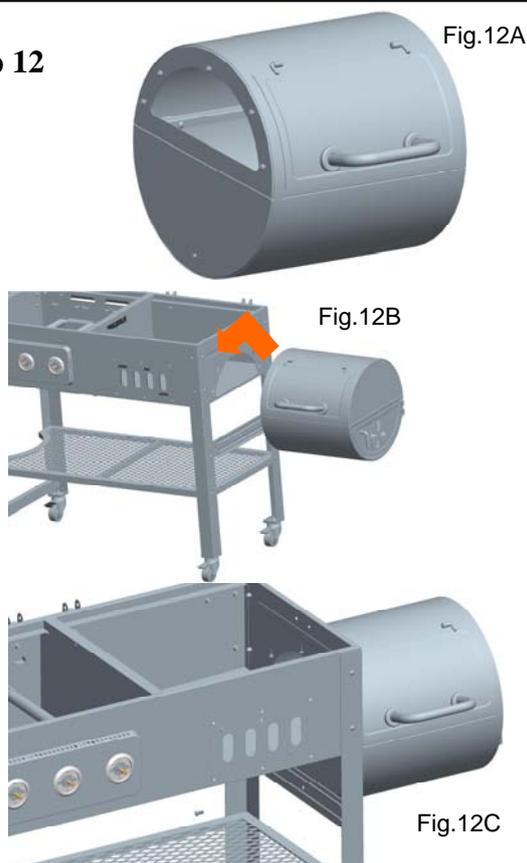


Fig.12A

Fig.12B

Fig.12C

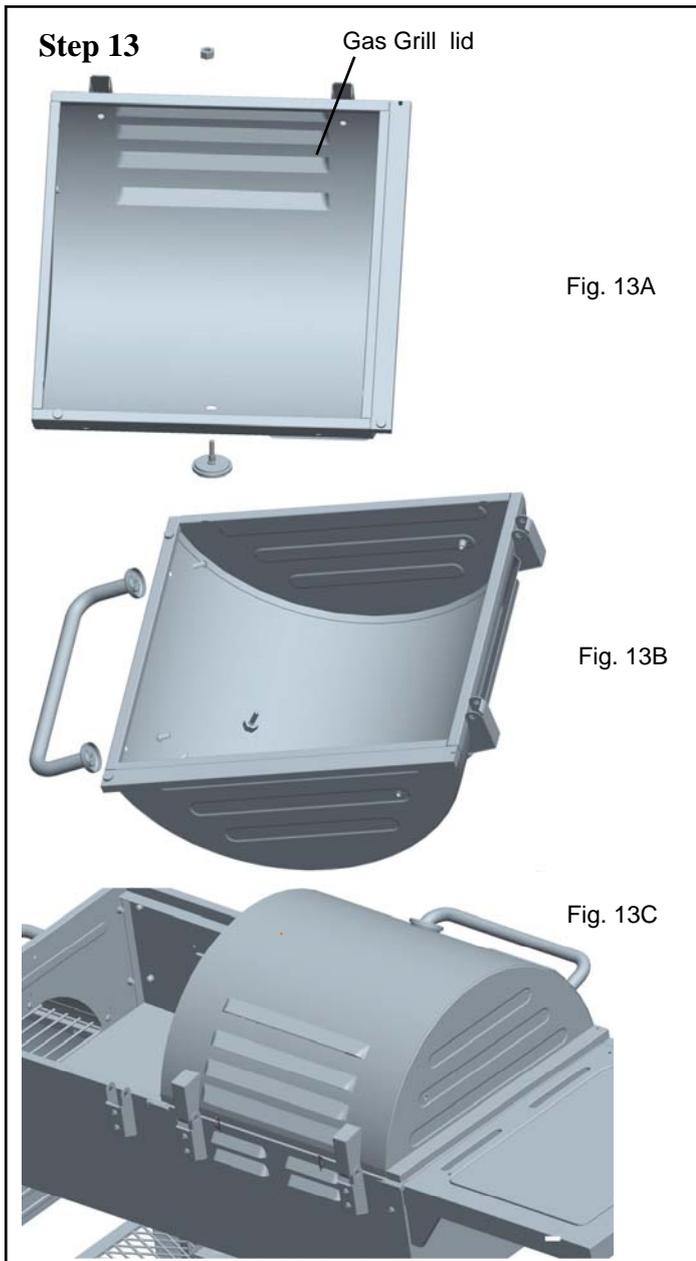
## Step 12: Attach the Firebox to the Charcoal Grill Side

*Locate:* Assembled Firebox and Right Side of the Charcoal Grill, (6)M6X15 KEPS bolts

*Procedure:*

Refer to Fig. 12A and screw (5) M6x15 KEPS bolts into the (5) threaded holes in the side of the Firebox, allowing about a 1/4" of an inch of the bolt head to remain sticking out. Refer to Fig. 12B and place the Firebox in position so that the (5) bolt heads can fit into the KEYHOLES, allow the Firebox to move down, so the bolts slide into place in the slots and the bottom of the Firebox rests on the Ledge of the Bracket. Refer to Fig.12C and fasten (1) M6x15 KEPS bolt through the Bracket and into the Firebox to secure it in place. Now tighten the (5) bolts in the Keyhole slots which will secure the Firebox to the Grill.

# Assembly

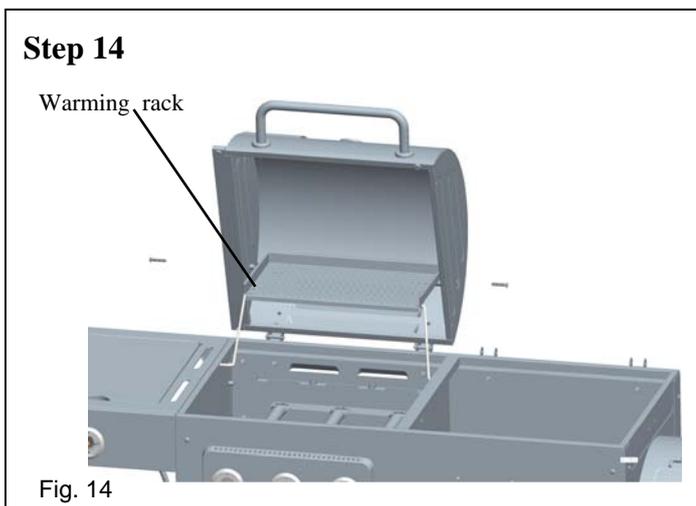


## Step 13: Assembling the Gas Grill Lid

*Locate:* The Gas Grill Lid ( it has louvers at the back), (1) Heat Indicator, (1) Lid Handle, (2) M6x15 bolts, (2) Hinge Pins, (2) "R" Clips

### *Procedure:*

Refer to Fig. 13A and unscrew the nut from the Heat Indicator stem. Insert the Heat Indicator through the hole in the front center of the Lid with the Dial Face outside. Secure it to the Lid with the nut you removed – check to see the dial face is correctly aligned , then tighten the nut with wrench. Refer to Fig.13B and attach the Lid handle to the Lid with (2) M6x15 bolts as shown. Refer to Fig.13C and place the Lid on the Gas Grill side of the Grill. Attach the Hinges together using the (2) Hinge Pins and insert an "R" Clip into the ends of the Pins to keep them from coming loose.



## Step 14: Attach the Warming Rack on the Gas Grill Side

*Locate:* Warming Rack, (2) M6x30 Bolts

### *Procedure:*

Refer to Fig. 14 and attach the back of the Warming Rack to the Lid with (2) M6x30 bolts as shown. Insert the Front Wire Legs into the holes on each side of the Grill. Open and close the Lid to be certain the Warming Rack moves smoothly.

# Assembly

## Step 15

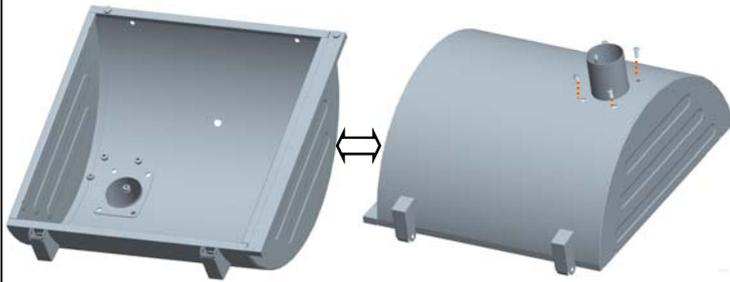


Fig. 15A

Fig. 15B

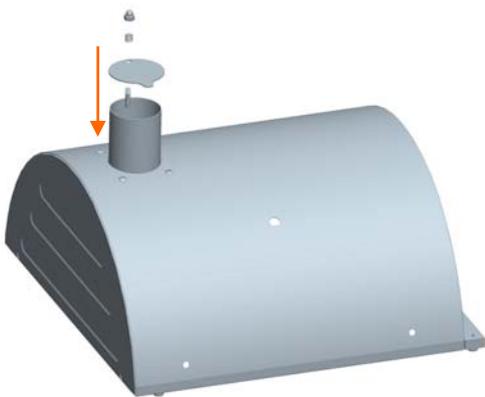


Fig. 15C

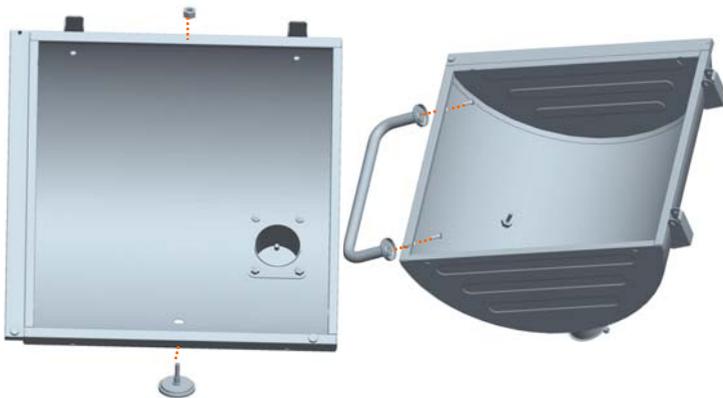


Fig. 15D

Fig. 15E

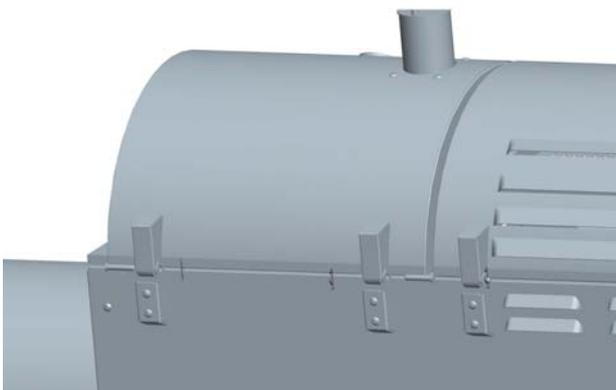


Fig. 15F

## Step 15: Assemble Smoke Stack and Charcoal Grill Lid

*Locate:* Smoke Stack Assembly, Smoke Stack Lid, (6) M6x15 bolts, (4) M6 KEPS nuts, (1) small spring, (1) M6 Cap nut, (1) Heat Indicator, (1) Lid handle, (2) Hinge Pins, (2) "R" Clips

### *Procedure:*

Refer to Fig. 15A and 15B Insert the Smoke Stack Assembly from INSIDE the Lid and fasten it to the Lid with (4) M6x15 bolts and KEPS nuts. NOTE: the bolts are inserted from the OUTSIDE of the Lid. Refer to Fig. 15C and Place the Smoke Stack Lid onto the threaded stud, add the small spring and then fasten with the Cap nut tight enough that the Lid can be rotated to open and close the Smoke Stack. Refer to Fig 15D and unscrew the nut from the stem of the Heat Indicator and follow the same procedure as before to install it to the Charcoal Grill Lid. Refer to Fig. 15E and attach the Lid Handle to the Lid with (2) M6x15 bolts. Refer to Fig. 15F and attach the Lid to the Charcoal Grill Side, following the same procedure as before on the Gas side.

Note: The lid with smoke stack must be attached to the charcoal grill side.

# Assembly

## Step 16

Fig.16A

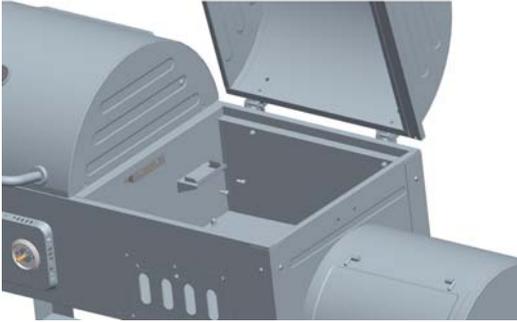


Fig.16B



Fig.16C



Fig.16D



Fig.16E

## Step 16: Attaching the Charcoal Tray, the Adjusters and Knobs

*Locate:* Left Side and Right Side Adjuster Brackets, Charcoal Tray Assembly, (4) M6x15 bolts, (3) Gas Valve Control Knobs and the Damper Knob

*Procedure:* Refer to Fig. 16A and 16B and attach the Left and Right Side brackets as shown with (2) M6x15 bolts in each Bracket. Refer to Fig.16C – align the “D” shaped socket of the Gas Valve Control Knobs with the Valve stems and gently but firmly, PUSH the Knobs onto the stems. Refer to Fig.16D and screw the Damper Control Knob into the slotted hole of the Damper Plate. Check to see that the plate will slide back and forth easily. Refer to Fig. 16E and hang the Charcoal Tray Assembly Handles onto the Adjuster Brackets. Charcoal Tray Assembly Handles onto the Adjuster Brackets.

# Assembly

## Step 17

Fig.17A

Burner Heat Tents

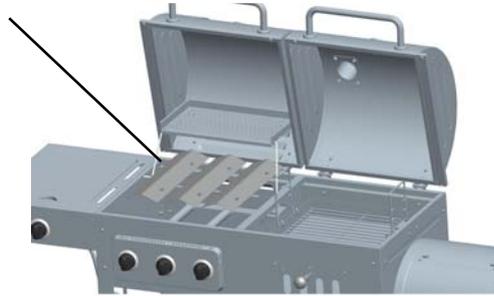


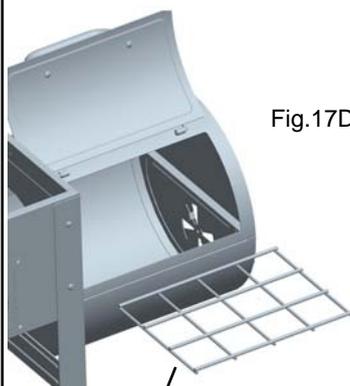
Fig.17B



Fig.17C



Fig.17D



Firebox wood rack

Firebox Cooking grids



Fig.17E

## Step 17: Installing the Burner Heat Tents and the Cooking Grids

*Locate:* (3) Burner Heat Tents, (2) Gas Grill Cooking Grids, (2) Charcoal Grill Cooking Grids, (2) Firebox Cooking Grids, (1) Firebox Wood Rack

*Procedure:* Refer to Figs. 17A; 17B; 17C; 17D; and 17E –Refer to Fig. 17A- Place the Burner Heat Tents over each burner – there is a tab and a slot that holds them in place. Refer to Fig.17B- Place the Gas Cooking Grids as shown. Refer to Fig. 17C -place the Charcoal Cooking Grids as shown – Note the Charcoal Cooking Grids are notched to fit around the Charcoal tray assembly handles. Refer to Fig. 17D - Insert the Firebox Wood Rack into the Bottom half of the Firebox . Refer to Fig. 17E – place the Cooking Grids into the center of the Firebox.

# Assembly

## Step 18

Fig. 18A

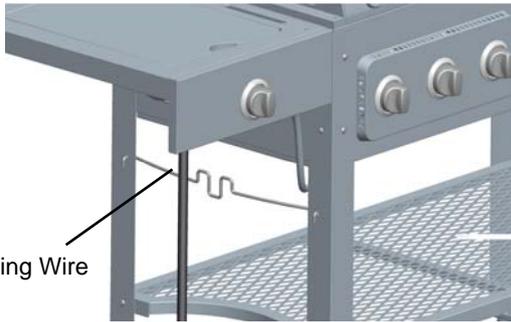
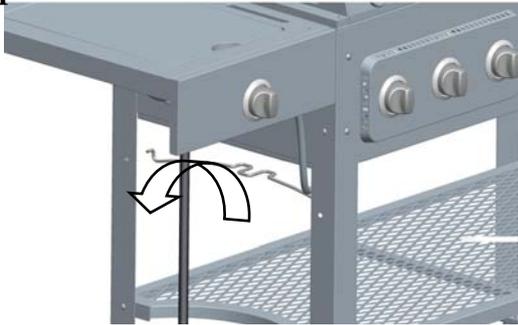


Fig. 18B

## Step 18: Attach the LP Gas Cylinder Wire Retainer

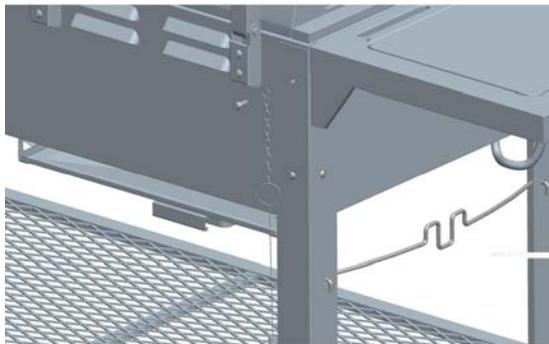
*Locate:* LP Gas Cylinder Wire Retainer

*Procedure:*

Attach retaining wire to legs at left end of grill as shown in Figure 18B. Position the retaining wire inside the legs and under the grill body with the curved side up. Then insert the ends of the wire through the holes in the legs and rotate the wire toward you.

## Step 19

Fig. 19



## Step 19: Attach Match Holder and Chain

*Locate:* Match Holder and Chain

*Procedure:*

Attach Match Holder and Chain to the top Rear hole in the left REAR LEG by using the M6x15 bolt (already installed in Step 2) through the loop of the chain and securely tightening, see Fig. 19.

## Step 20



Assembly of your grill & smoker is now complete.

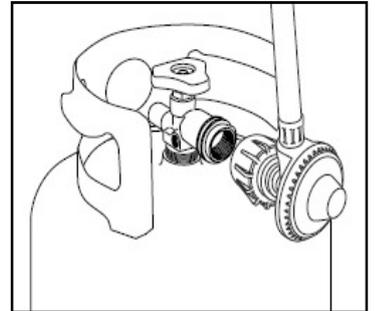
To order a cover for your grill, please visit: [www.thesmokercompany.com](http://www.thesmokercompany.com)

**FOR YOUR SAFETY, FOLLOW ALL SAFEGUARDS AND INSTRUCTIONS.**

## OPERATING INSTRUCTIONS

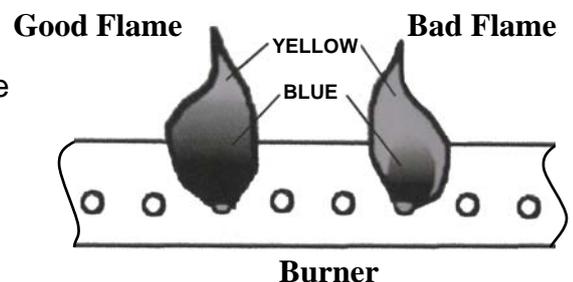
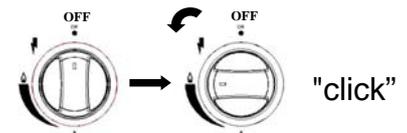
### Connecting the LP gas cylinder to the grill

- The LP Gas Cylinder must be a 20 pound cylinder and have a Type 1 Cylinder Valve Outlet Connector.
- Handle the Cylinder with care - do not drop it.
- When you are not using the grill, the LP Gas Cylinder should be disconnected.
- Connect the regulator and hand tighten firmly.
- Do a leak test each time you connect a LP Gas Cylinder and before lighting the grill.
- Never use a match or lit flame to test for leaks.
- To test, prepare a weak solution of detergent and water. Spray or swab the solution onto the connection of the regulator to the LP Gas Cylinder valve, and on all the joints in the hose connections up to the burner valves (which MUST be closed in the "OFF" position).
- Open the LP Gas Cylinder valve, and watch for any bubbles to appear at all the connection points. No bubbles indicate - All Clear!
- If there are any bubbles, there is a leak which must be fixed.
- Never obstruct the flow of combustion and ventilation air.



### Lighting the grill

- Always open the Lid before lighting the grill.
- All burner knobs should be in the "OFF" position.
- Open the LP Gas Cylinder valve.
- Note: EACH of the 3 main burners on your grill has its own automatic igniter.
- Push the knob in fully, and slowly turn it counter-clockwise (to the left) to the "HIGH" position. You will hear a loud "Click" as the igniter sparks and lights the burner
- You can then adjust the knob to your desired setting.
- If the burner did not light, turn the knob back to the "OFF" position, wait 5 minutes for any gas to clear away, and then repeat the lighting procedure.
- After using the grill, - turn all burner knobs to the "HIGH" position and then push fully in and turn to the "OFF" position.
- At once turn the valve on the LP Gas Cylinder OFF.
- IF the auto-igniter does NOT light the burner, you can light it with a match or a piece of burning paper - hold the match or paper with the Match Holder ( attached at the side of the grill) , put it through the openings in the Cooking Grid and next to the Flame Tent covering the burner. Then follow the lighting procedure above.
- Observe the proper burner flame - it should be a blue/ yellow color about 1/2" long.



## OPERATING INSTRUCTIONS

### CARE AND CLEANING

#### ! WARNING !

- Do not do any cleaning or maintenance on any grill parts until all parts are cool! Be sure that the valve on the LP Gas Cylinder is closed and in the OFF position
- After every cooking session, you may run the gas grill on HIGH, or set the Charcoal Coals into the HIGH position to burn off any food residue, keeping the residue from building up.

#### CLEANING

- Use only mild dishwashing detergents, hot water, a nylon scrub pad and a BBQ wire brush cleaning tool
- Always rinse all surfaces thoroughly after cleaning
- Handle Porcelain coated surfaces gently and carefully- they are made from high temperature glass and can chip easily

#### Burners

1. Turn the gas OFF at the LP Gas Cylinder and the burner control knobs
2. Lift off the cooking grids and the heat tents covering the burners
3. Remove the screw attaching the burners at the back of the grill
4. Gently and carefully, tilt the back of the Burner up and slide it backwards off the valve orifice, then lift out of the grill
5. Wipe clean the orifice face
6. Clean out any of the Burner holes which may have clogged. Use a toothpick or thin wire
7. Remove and clean off any and all food residue or other coating on the Burner

### TROUBLE SHOOTING THE GAS GRILL

#### Burner does not light :

1. Check if LP Gas Cylinder is empty?
2. Check Igniter wire – is there a spark?
3. Check for spider webs or insect nests inside, clogging the Burner

#### Flame color is Yellow, should be Blue:

1. Check for spider webs or insect nests inside, clogging the Burner
2. Close Lid and run on HIGH to burn off residue on Burner

#### Flame flares up:

1. Cooking temperature is set too high
2. Food being cooked is too fatty
3. Grease has accumulated in the grill. Clean and burn off

## OPERATING INSTRUCTIONS

### ! IMPORTANT ! CURING PROCESS

*Prior to your first use, follow these 3 steps to cure the finish as well as rid the grill of paint odor.*

STEP 1: Lightly coat ALL INTERIOR surfaces with vegetable oil or vegetable oil spray.

STEP 2: Start your first fire with 3-6 lbs of charcoal in both the Fire Box and Smoker Chamber.  
Adjust the vent dampers to 1/2 open.

STEP 3: Maintain the fire for 1 hour. **NOTE:** It is important not to scrape or rub any surface during the curing process.

### CHARCOAL GRILL OPERATING INSTRUCTION

The charcoal offset Fire Box Grill & Smoker can be used to cook food either by:  
**CHARCOAL AND DIRECT HEAT –OR- SMOKE AND INDIRECT HEAT**  
Please read all steps before cooking.

### TO COOK USING CHARCOAL AND DIRECT HEAT

(The fire is in the Smoker Chamber and the food in the Smoker chamber.) Follow these steps for cooking with charcoal and direct heat in the main Smoker Chamber.

1. For best results use a metal charcoal starter and fill the starter with about 3 lbs of charcoal and light the charcoal.
2. After 30 minutes, dump the charcoal into the bottom of the Smoker Chamber on the charcoal grates, which should be at the lowest adjustment.
3. Adjust the Fire Box and Smoker Chamber dampers to 1/4 to 1/3 open.
4. Immediately and carefully place another 3 lbs of charcoal on top of the burning coals in the Smoker Chamber.
5. Once the temperature reaches your desired level, food can be placed on the cooking grates.
6. Cook meat and food to your personal preference.



*The adjustable charcoal grate in the Smoker Chamber allows the charcoal grate to be moved to within a few inches of the cooking grate allowing you to sear your meat and lock in the juices. Searing takes only a few minutes on each side. Don't allow the meat or food to burn. After searing, crank the charcoal grate back to the bottom and cook the food to your personal preference.*



*For smaller cookouts, the Fire Box can be used instead of the larger Smoker Chamber for cooking with charcoal and direct heat. Follow the same steps above for cooking in the main Smoker Chamber.*

FOR YOUR SAFETY, FOLLOW ALL SAFEGUARDS AND INSTRUCTIONS.

## OPERATING INSTRUCTIONS

### TO COOK USING SMOKE AND INDIRECT HEAT



*(The fire is in the Fire Box and the food is cooked or smoked in the Smoker/Cooking Chamber. The smoke and the indirect heat pass through the opening between the Fire Box and Smoker/Cooking Chamber. Follow the steps below for smoking and/or cooking . Note that the indirect cooking or smoking process will take longer than traditional barbecuing. At 225 to 250 degrees, it will take approximately 30 minutes per pound of meat.)*

1. Fully open all dampers
2. Using your desired flavoring wood (hickory, mesquite, pecan, apple, alder, etc.), start a fire in the fire box by placing the wood on the log rack. Use sticks of wood that are approximately 14 - 18 inches in length and 3 - 5 inches in diameter.
3. Allow the wood to burn for 20 to 30 minutes and then check the temperature gauge on the cooking chamber lid. For indirect cooking, we recommend 225 to 250 degrees Fahrenheit. For smoking, the desired temperature may be lower. The heat and smoke can be regulated by adding more wood and by opening or closing the dampers.
4. Once the desired temperature is achieved, place the food in the cooking chamber. Continue to monitor the temperature as the food smokes/cooks. For the best heat and smoke flow, close the bottom left damper and the top right damper. At 225 to 250 degrees, it will take approximately 30 minutes per pound to cook the food. Time will vary depending on the temperature at which food is smoked/cooked. The level of desired doneness will also affect the cooking time.
5. For best results, try to maintain a constant temperature inside the cooking chamber by adding wood as necessary and adjusting the damper openings. Check the internal food temperature periodically by inserting a meat thermometer into the food. Use caution when checking the food temperature to avoid injury.
6. Once the food has reached the desired temperature, remove from cooking chamber and let stand 30 minutes. The USDA Standard temperature chart for properly cooked meat can be found at the back of this manual.



*Either charcoal or wood may be used in the fire box, but wood is recommended since it will provide more heat and flavor. Bark should be removed or burned off first as it contains a high acid content and can impart an acrid flavor.*

FOR YOUR SAFETY, FOLLOW ALL SAFEGUARDS AND INSTRUCTIONS.

### Rules for smoking:

We recommend that most smoking be done at 225 to 250 degrees. We also recommend the use of an oven thermometer to verify the inside temperature of your smoker and a meat thermometer to check the temperature of the meat. The heat indicator will give you an indication of the temperature inside the smoker but it is best to use an oven thermometer to ensure that the temperature is correct. A good rule of thumb for smoking is to cook the meat for 30 to 45 minutes per pound. As the weight of the meat increases so will the amount of time needed. For instance, 2 or 3 pounds of meat might take 30 minutes per pound or while 7 or 8 pound will require closer to 45 minutes per pound. Refer to the temperature chart in the Assembly Manual to make sure that the meat is at an acceptable temperature.

### Types of wood to use for smoke:

1. What type of hardwood should you use?  
Always use a hardwood that has been seasoned for at least 6 months.
2. Can I use Oak pallets?  
NO, because pallet wood is dried out before it is used for making pallets. You need the natural moisture in wood to create flavor in your smoke.
3. Can I use Pine, Cedar or any other wood that smells good?  
NO, never use any resin woods.

### What are the main items I need to smoke meats?

1. Internal meat thermometer .  
An internal meat thermometer is a must to cook large pieces of meat to make sure it is done internally.  
Cooked Ham-140 degrees  
Ham, Beef-Med, Ground Beef- 160 degrees  
Veal, Lamb, Pork, Beef-Well done – 170 degrees  
Poultry- 180 degrees
2. Good tongs or meat hook.  
Use a heavy-duty set of tongs to rotate meat in the smoker because in some cases you may be smoking a very large cut of meat. I prefer a meat hook for ease of use and it does not knock any rub or sauce off of the meat.
3. Good oven mitts.  
Heavy-duty mitts will assist you in moving hot smoker racks and large pieces of meats and assist in adding water and wood chips.
4. Aluminum foil.  
When the outside color of your meat product is at your desired color or look to suit your taste, wrap meat product in aluminum foil to keep any more wood resins from turning your meat any darker.

## Operation: Smoking food

### Classic Recipes:

#### Pork

##### ***Smoked Pork Tenderloin***

Take outside wrapper off of meat and wash thoroughly in cold water. Place tenderloin on a paper towel to soak up excess water. Rub your favorite pork rub on the loin (we recommend Head Country Pork seasoning). Preheat smokers to 225 degrees and place loin in the center of the smoker. Cook until internal meat temperature reaches 165 degrees. Take out of smoker and let stand on the cutting platter until meat reaches 170 degrees serving temperature. Slice like bread in 1/4" pieces and it will melt in your mouth.

##### ***Pork Ribs- Baby Backs or Spare Ribs***

Take ribs out of wrapper and drain all liquid off of the ribs and then wash in cold water. Place on cutting board and cut away any excess fat or skin from the bottom of ribs. Turn ribs with bone side up and peel the membrane from the back of the bone until all is gone. Rub your favorite pork rub on both sides of the ribs (we recommend Head Country Pork seasoning). Preheat smoker until it reaches 225 degrees and place rib bone side down in smoker. After one hour, turn the rib over with bone side up and cook for one hour. After 2 1/2 hours, depending on the color of the rib you like, pour a one-inch wide strip of your favorite BBQ sauce down the length of the rib and wrap tightly in aluminum foil. Place back in smoker and check every 15 to 20 minutes to see if the rib bones separate by using your finger to pull them apart. If they pull apart with ease your ribs are done. Take out of smoker and let stand on serving platter until cool enough to eat. Total cooking time should not be more than 3 1/2 hours total.

#### Beef

##### ***Smoked Beef Brisket***

Select a 6 to 8 lb. packer trimmed brisket that has a little marbling to it but not too much. Feel free to trim as much fat as desired. Use your favorite beef rub (we recommend using Head Country All-Purpose rub) and rub it on liberally. Heat the smoker to 225 degrees and place the brisket in the smoker for 3 hours. Place brisket in an aluminum foil pan and pour approximately 8oz. Of Allegro over the brisket. Cover the pan tightly with aluminum foil and continue cooking until internal meat temperature reaches 165 to 170 degrees. Take pan out of the smoker and let brisket stand. Remove brisket from pan and cut 1/4" slices against the grain. Use juice from pan to pour over sliced meat or for dipping.

##### ***Prime Rib***

Select a 6 to 8 lb prime rib (we like the bone on). Rub the prime rib with your favorite beef rub (we recommend using Head Country All-Purpose rub). Pre-heat the smoker to 225 degrees and place the prime rib in the smoker. After 3 hours, place the prime rib in aluminum foil pan and cover with aluminum foil. When internal meat temperature reaches 145 degrees take out of smoker and let stand until your desired doneness is reached. Medium rare is 155 to 160 degrees. While standing, the temperature of the meat will rise internally up to 10 degrees. Slice prime rib to desired thickness and serve with juice from the pan in which it was cooked.

## Operation: Smoking food

### Classic Recipes: (Continued)

#### Fish

##### ***Smoked Halibut***

Select a nice fresh 3/4" thick filet. Wash filet thoroughly in cold water and lay on paper towel until water is not visible. Melt a whole stick of butter in the microwave and sprinkle a liberal amount of Dill weed in the melted butter. Lay filets on Aluminum foil and fold a lip around edges to contain the butter. With a basting brush, brush melted butter and dill weed mixture on both sides of the fish filet. Preheat smoker to 225 degrees and place fish in the smoker. Check the filets every 15 minutes for visible moist look on filets. Brush with butter and dill weed mix when needed. Fish should start to flake in about 45 minutes. When fish flakes very easy take out of smoker and serve.

#### Poultry

##### ***Smoked Chicken***

Chicken breasts and thighs are my favorite. Take chicken parts out of package and wash thoroughly and place on paper towel to dry. Sprinkle Head Country Original rub on both sides of chicken parts. Preheat smoker to 225 degrees and place chicken parts in smoker. After 1/2 hour turn chicken over. With your internal temperature gauge, check internal temperature by pushing temperature probe into the meat nearest the bone. When temperature reaches 180 degrees chicken is done. You may brush your favorite BBQ sauce on the chicken during the last 15 minutes of your cooking process to spice it up.

##### ***Smoked Turkey***

Select a 12 to 15 lb. turkey for best results in a smoker. Take the turkey out of the package and remove all internal parts and packaging. Wash turkey thoroughly and place it on paper towel to dry. Rub olive oil inside and out on the turkey and apply Head Country Original Rub inside body cavity and on the outside skin. Preheat smoker to 225 degrees and place turkey in smoker. You may baste with butter for more moisture, if you like. When turkey skin reaches your desired color, remove turkey from smoker, place in aluminum foil pan and cover with aluminum foil tightly. Place covered pan in smoker and continue cooking at 225 degrees. Check internal meat temperature, where the thigh meets the side of the turkey, every half hour for doneness. Turkey should take around 45 minutes per lb to reach 180 degrees serving temperature.

## Operation: Cooking

### Temperature Chart

Refer to this USDA Standard chart for properly cooked meat temperature.

**IMPORTANT:** Measure the meat temperature using a meat probe thermometer. The heat indicator on the smoker gives the heat temperature inside the smoker cabinet, but is not an accurate measurement of the meat temperature.

### Temperature on Meat Thermometer

Beef Roasts, Beef Brisket	3-4 lbs.	4-5 hours	140° rare
Lamb Roasts, Venison	5-7 lbs.	5-6 hours	160° medium
Large cuts of Game	7-9 lbs.	7-10 hours	170° well done
Pork Roasts	3-4 lbs. 5-8 lbs.	5-6 hours 7-8 hours	170° 170°
Pork/Beef Ribs	Full grill	4-6 hours	Meat pulls from bone
Pork Chops	Full grill	4-6 hours	Meat pulls from bone
Sausage Links	Full grill	4-5 hours	170° for fresh sausage
Ham, Fresh	10 lbs.	7-8 hours	170°
Ham, Cooked	All sizes	3-4 hours	130°
Chicken (Cut up or split)	1-4 fryers, cut up or split	4-5 hours	180°/leg moves easily in joint
Chicken (Whole)	1-4 fryers	5-6 hours	180°/leg moves easily in joint
Turkey (Unstuffed)	8-12 lbs.	7-8 hours	180°/leg moves easily in joint
Fish, small whole	Full grill	2-3 hours	Flakes with fork
Fish, filets, steak	Full grill	1-3 hours	Flakes with fork
Duck	3-5 lbs.	5-6 hours	180°/leg moves easily in joint
Small game birds	Full grill	4-5 hours	180°/leg moves easily in joint

## Limited Warranty



This Smoke Hollow™ smoker is guaranteed against broken or damaged parts at time of purchase. All parts carry a 1-year limited warranty with the exception of the water bowl, which is guaranteed to be free of defects for 90 days. Paint is guaranteed to be free of defects for 90 days except for rust, which may appear after repeated use.

This Grill is guaranteed against broken or damaged parts at time of purchase. All parts carry a 1-year limited warranty. Paint is guaranteed to be free of defects for 90 days except for rust, which may appear after repeated use.

This warranty does not cover damage or issues related to neglect, abuse, or modifications to the product. Repair labor is not covered.

All parts that meet the warranty requirements will be shipped at no-charge via the discretion of the Customer Service Department (ground shipments, US Mail, or Parcel Post Only). Any special handling charges (i.e. Second Day, Overnight, etc.) will be the responsibility of the consumer.

All warranty claims apply only to the original purchaser and require a proof of purchase verifying purchase date. Do not return parts to our address without first obtaining a return authorization number from our customer service.

This service is available by calling 866-475-5180, 8:30am to 4:30pm, Central Time, Monday through Friday, or write to Outdoor Leisure Products, Inc., 5400 Doniphan Drive, Neosho, MO 64850.

This warranty may give you specific legal rights that vary by state.

Outdoor Leisure Products, Inc  
5400 Doniphan Drive  
Neosho, MO 64850  
[www.olp-inc.com](http://www.olp-inc.com)

©2011 Outdoor Leisure Products, Inc. Smoke Hollow and the Smoke Hollow logo are trademarks of Outdoor Leisure Products, Inc. and are not to be used without express permission by Outdoor Leisure Products, Inc.