

Owner's Manual

for Assembly, Operating & Maintenance of
Model A1TS/60 Gas Built-In Utility Stove



**YOU MUST READ THIS OWNER'S MANUAL
BEFORE OPERATING YOUR GAS APPLIANCE.**

DANGER

IF YOU SMELL GAS:

1. SHUT OFF GAS TO APPLIANCE
2. EXTINGUISH OPEN FLAMES
3. OPEN LID (IF APPLICABLE)
4. IF ODOR CONTINUES, KEEP AWAY FROM THE APPLIANCE AND IMMEDIATELY CALL YOUR GAS SUPPLIER OR FIRE DEPARTMENT.

LEAKING GAS MAY CAUSE FIRE, EXPLOSION,
PERSONAL INJURY, DAMAGE TO PROPERTY, AND
DEATH.

WARNING: Follow all leak-check procedures listed in this manual carefully prior to operation of this unit. Do this even if the unit was assembled by a professional.

WARNING: Do not ignite this utility stove without reading the **LIGHTING INSTRUCTIONS** first.

WARNING: **DO NOT** store or use gasoline or other flammable liquids/vapors in the vicinity of this utility stove.

An LP Cylinder not connected for use should not be stored in the vicinity of this unit.

THIS GAS UTILITY STOVE IS DESIGNED FOR OUTDOOR USE ONLY.

526 EAST ROLLING RIDGE DRIVE, BELLEFONTE, PA 16823

P: 814-359-2755

F: 814-359-2621

sales@bigjohngrills.com

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PROPANE SAFETY - GENERAL

- Liquid propane (LP) gas is a petroleum product as are gasoline and natural gas. In normal temperatures and pressures, LP gas is a gas. When moderate pressure is applied, inside a cylinder, LP gas becomes a liquid. As the pressure is released the liquid readily vaporizes and boils off as a gas.
- LP gas has no odor, but rather an odor additive so you can smell it.
- Propane gas is denser than air, if a propane tank purges to relieve pressure build-up, the propane will collect in low lying areas. These areas can be easily ignited and are highly flammable. Use caution when dealing with a propane tank that may have recently self-purged.
- **DO NOT paint propane tanks any color other than white. Any alteration to tank color will result in tank purging, fire, personal injury, or death.**
- Big John Grills & Rotisseries uses high quality Worthington Cylinders in 30 lb. and 40 lb. sizes. These tanks are protected with a rust-resistant white powder coat finish.
- Always keep the cylinder valve closed when not in use.
- Cylinders are designed to function with the valve completely open or completely closed, there is no in-between. Never open the valve just a “crack” or “half way”.
- Always position the propane cylinder so that the connection between the valve and the regulator will not cause any sharp bends in the hose.
- NEVER store or use propane cylinders indoors.
- Make sure the POL or QCC Connector is free from scratches or nicks which can cause gas leaks.
- DO NOT store or use gasoline or other flammable liquids or vapors in the vicinity of a gas appliance.
- DO NOT store extra liquid propane cylinders within the vicinity of a gas appliance.
- DO NOT store a liquid propane cylinder in/on any part of an appliance not intended for such use. Improper storage of a cylinder could lead an explosion, fire, personal injury, or death.
- DO NOT store or lean items against unit surface or fuel cylinders while operating.
- Shut off unit and all gas sources if the odor of unburned gas is detected. Make no attempt to use the unit until gas leaks are fixed and/or the odor is accounted for.
- Do NOT use a damaged, dented, or rusty LP cylinder or a cylinder with a damaged valve - replace with a new one immediately.
- Replacement LP tanks must match the regulator connection supplied with this grill and be a minimum of 30 lb. capacity.

LIQUID PROPANE TANK REQUIREMENTS

- For tanks not purchased from Big John Grills & Rotisseries: check to be sure cylinders have been tested within the past 5 years and have a D.O.T. certification. Your LP gas supplier can do this for you.
- All LP tank supply systems must have a collar to protect the cylinder valve.
- All tanks used on Big John Grills equipment must be a minimum of 30 lb. size.
- Tanks larger than 100 lbs. in size may require a POL for connection. Please call a Big John Customer Service Representative if you are using a 100 lb. propane tank.

PROPANE SAFETY - CYLINDER

DISCONNECTING AND TRANSPORTING PROPANE CYLINDERS FOR REFILLING

- Turn off all control knobs and close the main cylinder valve. Disconnect regulator with QCC.
- Place cylinder valve plug snugly in the main cylinder valve outlet. Only use the cylinder valve plug that is provided with the cylinder. Other types of caps or plugs may result in leakage of propane.
- Treat “empty” LP cylinders with the same care as full ones. Even when the tank is empty, there is still some gas pressure left in the cylinder.
- Always transport and store propane cylinders in a secure, upright position. Never store these propane tanks on their side, handle them roughly, or drop them.
- Never keep propane cylinders (full or empty) in a hot vehicle. Heat can cause the relief valve to purge propane creating a very dangerous situation.
- To fill, take the LP cylinder to a propane gas dealer **WARNING: We strongly recommend that your LP cylinder be filled by an authorized propane dealer, by a qualified attendant, who fills the tank by weight. IMPROPER FILLING IS DANGEROUS.**
- Air must be purged from a new LP cylinder before the initial filling. Your LP dealer will do this.

STORING PROPANE CYLINDERS

- Turn off all control knobs and close the main cylinder valve.
- Place cylinder valve plug or cap snugly in main cylinder valve outlet.
- Always store propane cylinders in a secure, cool/dry place in the upright position.
- Never store propane cylinders in a vehicle of any kind and or anywhere the temperatures can reach 125° F.

GENERAL INFORMATION

Thank you for purchasing a Big John A1TS/60 Built-In Utility Stove! We take pride in producing and selling equipment made right here in America and are pleased that you recognized the quality and durability of our products. Your new utility stove is a commercial grade, outdoor piece of cooking equipment. With this unit, you will be able to sauté, steam, fry, boil, or simmer. Due to exceptional portability, Big John Utility Stoves are preferred by professional chefs and caterers for cooking at offsite catering events & festivals, restaurants, hotels & resorts, golf courses, and personal homes. Please read the information provided below before using your grill for the first time.

- Big John products are designed for **OUTDOOR USE ONLY!** Only operate this equipment in a well-ventilated area. Do not use in garage, building, or other enclosed area. Operation of this equipment indoors or in a poorly ventilated area may cause an explosion, fire, personal injury, or death.
- **ONLY** use the hose and regulator supplied with this utility stove from the manufacturer. Any attempt to use parts found in a hardware store may result in the not functioning properly which could lead to an explosion, fire, personal injury, or death.
- **DO NOT** retrofit any equipment or accessories to the unit that are not part of the original equipment provided by Big John Grills & Rotisseries. Replacement parts must be obtained from the manufacturer. Any attempt to change or modify this unit could result in an explosion, fire, personal injury to yourself or someone else, or death and will void your warranty.
- **DO NOT** touch or allow any contact with the sides, back, or top of unit after lighting. The unit is **EXTREMELY HOT!** Allow the utility stove to cool completely before touching any metal surface.
- **DO NOT** operate utility stove within 12" of a combustible or non-combustible surface. Provide adequate clearance and ventilation at all times.
- **WARNING!** Use of this utility stove in high wind conditions may result in poor burner operation (low flame, blowing out, flaring up, etc.). Avoid these conditions if possible by repositioning the unit. If repositioning does not improve operation, discontinue use and turn off unit until conditions improve.
- **DO NOT** perform any maintenance until utility stove is completely cooled down.

ASSEMBLY INSTRUCTIONS

This unit ships 90% assembled and we make sure the instructions for the rest are easy to follow and perform. Please follow the instructions below to ensure your unit is properly assembled for safe operation. Please remember this is a commercial piece of equipment and therefore the materials used to build it are of the best quality.

1. Unbox the unit and remove all packing materials and laser paper (can be white, gray, or clear in color) from stainless steel.
2. Have plumber or commercial equipment service on hand to install.
3. Once installed, place stainless steel grate on top

SET-UP INSTRUCTIONS

1. Ensure unit is properly installed in structure and gas connections have been tested and approved by the professional installing the unit
2. Once properly installed, place stainless steel grate on top.
3. Ensure all control valves are in the OFF position (pictured below).
4. Turn on gas source and allow system to pressurize - takes about 1 minute.
6. **TO LIGHT THE UNIT:** Hold a lit long handled butane lighter gun or fireplace match next to outer ring on burner, push in the control knob, turn counter clockwise so it's straight up and down (this is HIGH). The burner will ignite instantly with a *POOF* sound. Remove lighter, then push and turn 2nd control knob to HIGH - it will light instantly from the 1st. Repeat for center ring until whole burner is lit.

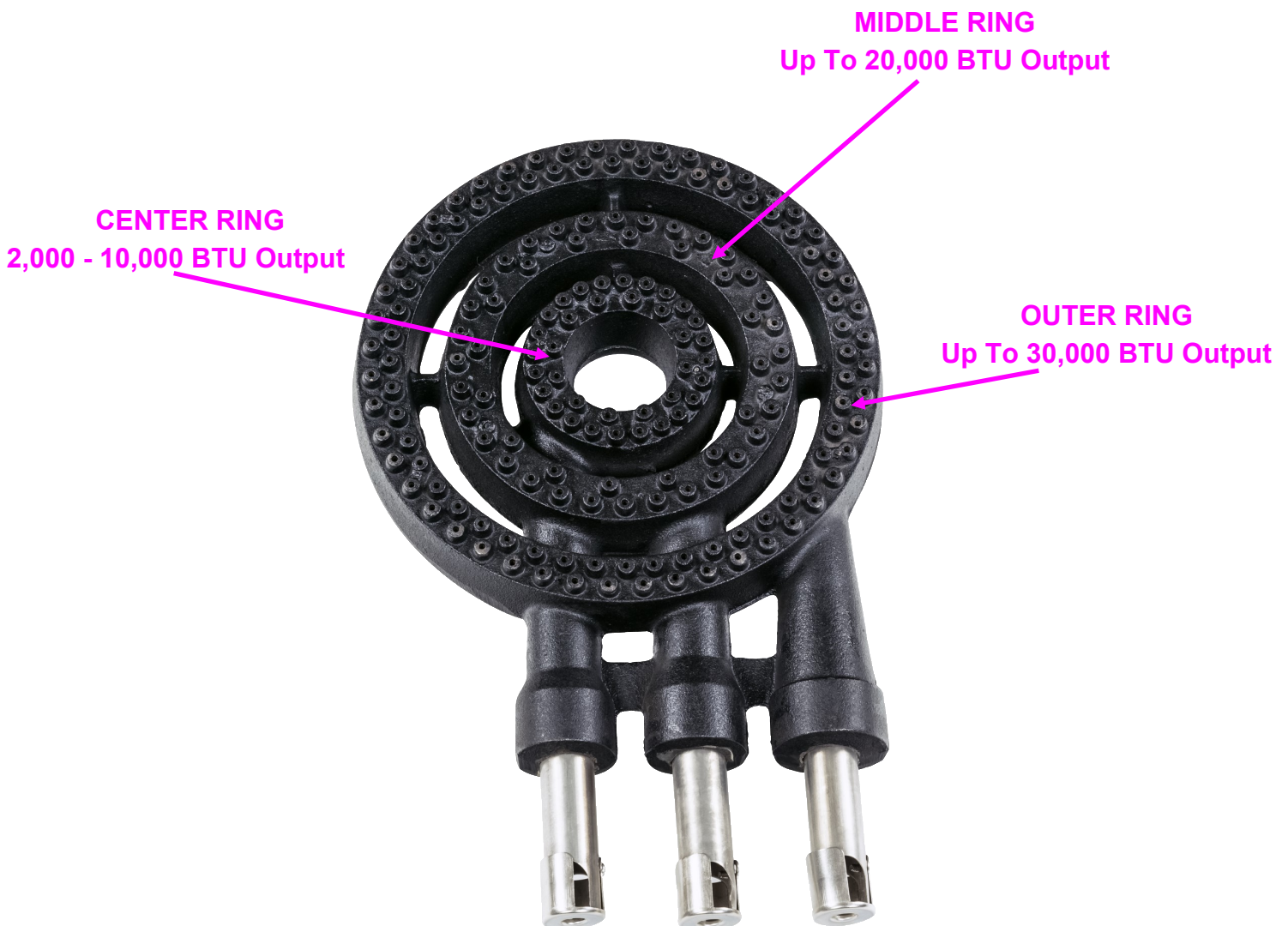


6. **TO TURN OFF UNIT:** Simply turn all of the control knobs to the OFF position and turn off gas source.

*The burner puts out between 2,000 BTU's (Center Ring on Low)
and 60,000 BTU's (All Rings Burning on High)*

OPERATING INSTRUCTIONS

1. DO NOT ATTEMPT TO LIGHT THIS UNIT WITHOUT REMOVING THE WEATHER COVER. Gas can accumulate and cause RAPID IGNITION.
2. Ensure all control valves are in the OFF position.
3. Check to make sure gas source is securely connected
4. Turn on gas source and allow system to pressurize - takes about 1 minute.
6. **TO LIGHT THE UNIT:** Hold a lit long handled butane lighter gun or fireplace match next to outer ring on burner, push in the control knob, turn counter clockwise so it's straight up and down (this is HIGH). The burner will ignite instantly with a *POOF* sound. Remove lighter, then push and turn 2nd control knob to HIGH - it will light instantly from the 1st. Repeat for center ring until whole burner is lit.
7. Once burner is lit, adjust the control knobs to set desired temperature.
8. **TO TURN OFF UNIT:** Simply turn all of the control knobs to the OFF position and turn off gas source. NEVER turn unit off by closing gas source first.



CLEANING & CARE

TO CLEAN:

1. Turn off the unit and wait approximately 10-15 minutes before attempting to clean. Grate will still be warm to touch use caution if handling.
2. Wipe down with hot soapy water as needed. Do not use a wire brush on stainless steel.
3. Cover with stainless steel weather cover once cooled down completely. Cast iron burner should be protected from elements.

SPIDER & INSECT ALERT

All outdoor appliances should be inspected thoroughly for spiders and insects if unit is sitting for a period of time between uses. Propane and natural gas contain an odorant that insects and spiders are attracted to. This leads them to build webs and nests in burners and around control valves. Nests can form very quickly and are prevalent in areas with wet and humid conditions. We recommend the regular cleaning and inspection of the burner and control valves as a form of normal maintenance.

1. Warning Signs of a nest or web:
 - a. The smell of gas
 - b. Burner is hard to light or will not light at all
2. How to clean the burner tubes:
 - a. Turn off gas and completely disconnect unit from gas source. (let cool completely if previously lit)
 - b. Remove burner and visually inspect inside looking for a cotton-like substance that could be a web or nest.
 - c. If a mud-like substance is found, this is a sign of wasps and should be cleaned immediately
 - d. Use a pipe cleaner to remove any signs of web, nest, or other debris
 - e. Wipe off outside and each hole along burner to ensure nothing is clogging holes
 - f. Rinse with water if necessary
 - g. Dry burner thoroughly before replacing into unit.
 - h. Apply vegetable oil and light unit, if burner was washed with soap and water, to help prevent rusting.
3. How to clean the control valve orifice:
 - a. Turn off gas and completely disconnect grill from gas source.
 - b. Use small wire, needle or pipe cleaner to gently wipe away any debris from orifice.

PARTS LIST

| <u>Item #</u> | <u>Description</u> |
|----------------------|---|
| 302424 | Stainless Steel Air Mixer |
| 302425 | 3 Ring 60,000 BTU Cast Iron Burner |
| 302410-10K | Control Valve with Orifice for Smallest Burner Ring |
| 302410-20K | Control Valve with Orifice for Middle Burner Ring |
| 302410-30K | Control Valve with Orifice for Outer Burner Ring |
| 302411-10K | Orifice for Smallest Burner Ring |
| 302411-20K | Orifice for Middle Burner Ring |
| 302411-30K | Orifice for Outer Burner Ring |
| 302415 | Control Knob |
| 302205 | Stainless Steel Grate |
| 302200 | Stainless Steel Weather Cover |

<http://www.bigjohngrills.com/categories/big60parts>

ACCESSORIES

| <u>Item #</u> | <u>Description</u> |
|---------------|--------------------|
| 400104 | 40 Quart Pot Set |
| 400106 | 60 Quart Pot Set |
| 400108 | 80 Quart Pot Set |

<http://www.bigjohngrills.com/products/a1ts-60#accessories>

TROUBLESHOOTING GUIDE

At any point in time, if you are experiencing problems with your grill call your local Gas Service or Appliance Service and have them inspect and clean your equipment. You can also call Big John Grills & Rotisseries Customer Service for minor parts questions.

WARRANTY INFORMATION

Big John Corporation provides a warranty, to the original purchaser, for all Big John finished units for a period of 1 year from the date of sale. Any unit, or part thereof returned, freight prepaid, to our Sales & Logistics facility, will be repaired or replaced to our commercial standard, free of charge, and returned to the purchaser. Labor and transportation costs are NOT covered by this warranty. Misuse, neglect, or alteration of the product is not covered by this warranty. This warranty is established automatically upon receipt of the goods. No warranty card or registration procedures are required.

Outgoing warranty shipments must be F.O.B. factory (Bellefonte, PA). All items requested for return must be received within 30 days of the return authorization being granted to the customer or no warranty credit will be considered.

WARNINGS

FAILURE TO FOLLOW THE DANGERS, WARNINGS, CAUTIONS, AND INSTRUCTIONS OUTLINED IN THIS MANUAL MAY RESULT IN SERIOUS BODILY INJURY OR DEATH, OR CAUSE DAMAGE TO PROPERTY BY FIRE OR EXPLOSION.

- Do not use this unit unless all parts are in place. This unit must be assembled properly according to the assembly & set-up instructions listed in this manual. Failure to do so is dangerous.
- Always check your utility stove for gas leaks and burner obstructions before use. See instructions in this manual for correct procedures.
- Do not store or use gasoline, other flammable liquids, or vapors in the vicinity of this product.
- Do not store extra liquid propane cylinders within the vicinity of this product.
- Always position the propane cylinder so that the connection between the valve and the regulator will not cause any sharp bends in the hose.
- Do not operate any equipment, including this utility stove, if there is a gas leak present.
- Do not use a flame to check for gas leaks.
- Combustible materials should never be within 12 inches of this unit in any direction.
- Do not put anything flammable in the area under the unit.
- No Big John Grills & Rotisseries equipment should be used by children.
- Accessible parts of the unit may be very hot. Keep children away when in use.
- Big John equipment should never be left unattended or moved while in operation.
- You should exercise reasonable care when operating your unit and remember it will be hot during cooking and cleaning.
- Should the burner go out while in operation, turn off all gas valves and turn off gas source. Let stand for 5-10 minutes before attempting to relight using the lighting instructions found in this manual.
- Never lean over an the utility stove or place hands or fingers on top of unit or finger grates while in operation.
- Should an excessive flare-up occur, turn off the burner and propane tank and wait until fire is out.
- Clean your Big John utility stove on a regular basis.
- Keep any electrical cords or fuel supply hose away from heated surfaces at all times, especially when in use.
- Use heat-resistant barbecue gloves or mitts when operating this utility stove.
- Do not enlarge valve orifices or burner holes when cleaning.
- Do not attempt to disconnect any gas fittings while your unit is in operation.
- Do not store or lean items against grill surface or fuel cylinders while operating.
- Liquid propane is NOT natural gas. The attempted use of natural gas in a liquid propane unit or liquid propane gas in a natural gas unit is dangerous and will void your warranty. If you wish to change your unit from LP to NG or vice versa, please call a Big John Customer Service Agent to obtain required parts.
- Only use the supplied hose and regulator for this unit. Do not use one purchased from a gas company or hardware store. Natural gas connections must be made to meet your local codes.
- Do not attempt to disconnect the gas regulator or hose assembly while unit is in operation.
- Make sure the POL or QCC Connector is free from scratches or nicks which can cause gas leaks.
- Do not paint propane tanks any color other than white. Any alteration to tank color may result in tank purging, fire, personal injury, or death.
- NEVER store or use propane cylinders indoors.
- Always keep a propane cylinder in a secure, upright position while transporting or storing. Do not lay tanks on their side.
- Never keep propane cylinders (full or empty) in a hot vehicle. Heat could cause the relief valve to purge propane creating a very dangerous situation.
- Always keep the cylinder valve closed when not in use.
- Do not store a liquid propane cylinder in/on any part of the appliance not intended for such use. Improper storage of a cylinder could lead an explosion, fire, personal injury, or death.
- Propane gas is denser than air and will collect in low areas. Use caution when dealing with any such fuels.
- Do not use a dented or rusted liquid propane cylinder as it may be hazardous and should be checked by your propane dealer.
- Do not use a propane cylinder with a damaged valve.
- Although your propane cylinder may appear empty, there may still be gas present. The cylinder should be stored and transported accordingly.
- If you see, smell, or hear the hiss of gas escaping from the liquid propane cylinder:
 1. Move away from the cylinder
 2. Do not attempt to correct the problem yourself.
 3. Call your fire department.

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