

# KUTANO

RANGE

## Manual Instructions

KUT 6 BR N 36 NG



**Manual instructions**  
Installation and Operation



**Manual de instrucciones**  
Uso y mantenimiento



**Bedienungshinweise**  
Installation und Betrieb



**Ręczny**  
Obsługa i konserwacja



**Manuel talimatları**  
Kurulum ve Çalıştırma



**Manuel d'instructions**  
Installation et fonctionnement



**Manual do instruções**  
Instalação e Operação

**ENGLISH**

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# MACHINE INTRODUCTION

## 1.1 INTRODUCTION TO MACHINE & MODELS

All equipment manufactured by ONNERA. is for use with the type of gas specified on the rating plate and for installation will be in accordance with National Fuel Gas Code ANSI Z223.1 (latest edition)

Instruction to be followed in the event the user smells gas shall be posted in a prominent location.

This information shall be obtained by consulting the local gas supplier.

**PLEASE RETAIN THIS MANUAL FOR FUTURE REFERENCES.**

This equipment is design engineered for commercial use only

## 1.2 IMPORTANT SAFETY INFORMATION & USAGE



**WARNING:**

**Installing, Operating and Service Personnel:**

Installation of the equipment should be performed by qualified, certified, licensed, authorized and/or personnel who are familiar with and experienced in state/local installation codes.

Operation of the equipment should be performed by qualified or authorized personnel who have read this manual and are familiar with the function of the equipment. Service of the equipment should be performed by qualified personnel who are knowledgeable with KUT BR equipment.



**WARNING: Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.**



**FOR YOUR SAFETY: Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.**



**WARNING:**

- Do not touch any hot surface with hands. That surfaces can be extremely hot and will cause severe burns.
- There is a risk of death from suffocation if a child puts the packing materials on his head.
- Do not allow children to play or touch with the appliance.
- Do not stand or lean on the base panel, pull-out parts, or doors.

## 1.3 SPECIFICATION CHART

MODEL	BTU'S NG AT 5" W.C.	ORIFICE SIZE NG	BURNERS	
KUT6BR N 36 NG	OPEN BURNER	30,000	40	4
	OVEN BURNER	30,000	40	1

## INSTALLATION

- 2.1 Transport, handling, unpacking, location.
- 2.2 Manufacturer's identification label description.
- 2.3 Installation and assembly.
- 2.4 Gas Connections

### 2.1 TRANSPORT, HANDLING, UNPACKING, LOCATION

Upon receiving your new KUT 6 BR N Equipment, check the package and the machine for any damages that may have occurred during transportation. Visually inspect the exterior of the package. If damaged, open and inspect the contents with the carrier. Any damage should be noted and reported on the delivering carrier's receipt.

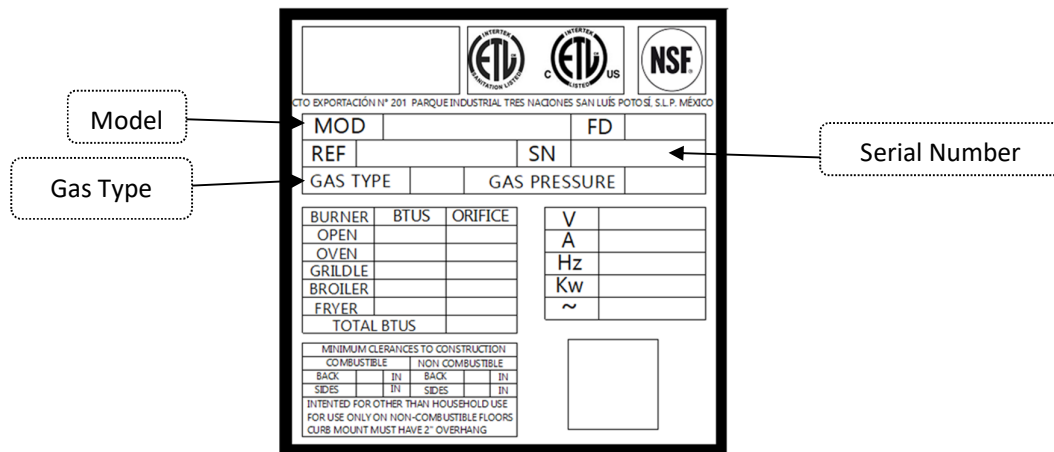
In the event that the exterior is not damaged, yet upon opening, there is concealed damage to the equipment notify the carrier immediately. Notification should be made verbally as well as in written form. Request an inspection by the shipping company of the damaged equipment. Retain all crating material until inspection has been made. Finally, contact the dealer through which you purchased the unit.

### 2.2 MANUFACTURER'S IDENTIFICATION LABEL DESCRIPTION

Information on this plate includes the model, serial number, BTU / hour input of the burners operating gas pressure in inches WC, and whether the appliance is orifices for natural or propane gas.

When communicating with factory about a unit or requesting for special parts or information, Rating plate data is essential for proper identification.

**KUT 6 BR N COOKING APPLIANCES MUST BE CONNECTED ONLY TO THE TYPE OF GAS IDENTIFIED ON THE RATING PLATE**



## INSTALLATION AND ASSEMBLY

### SHIPPING DAMAGE CLAIM PROCEDURE

The equipment is inspected and crated by skilled personnel before leaving our factory. The transportation company assumes full responsibility for safe delivery upon acceptance of this equipment. If shipment arrives damaged:

**Visible loss or damage:** Note on freight bill or express delivery and signed by person making delivery.

**File claim for damages immediately:** Regardless of extent of damages.

**Concealed loss or damage:** If damage is noticed after unpacking, notify Transportation Company immediately and file "Concealed Damage" claim with them. This should be done within (15) days from date of delivery made to you. Retain container for inspection.

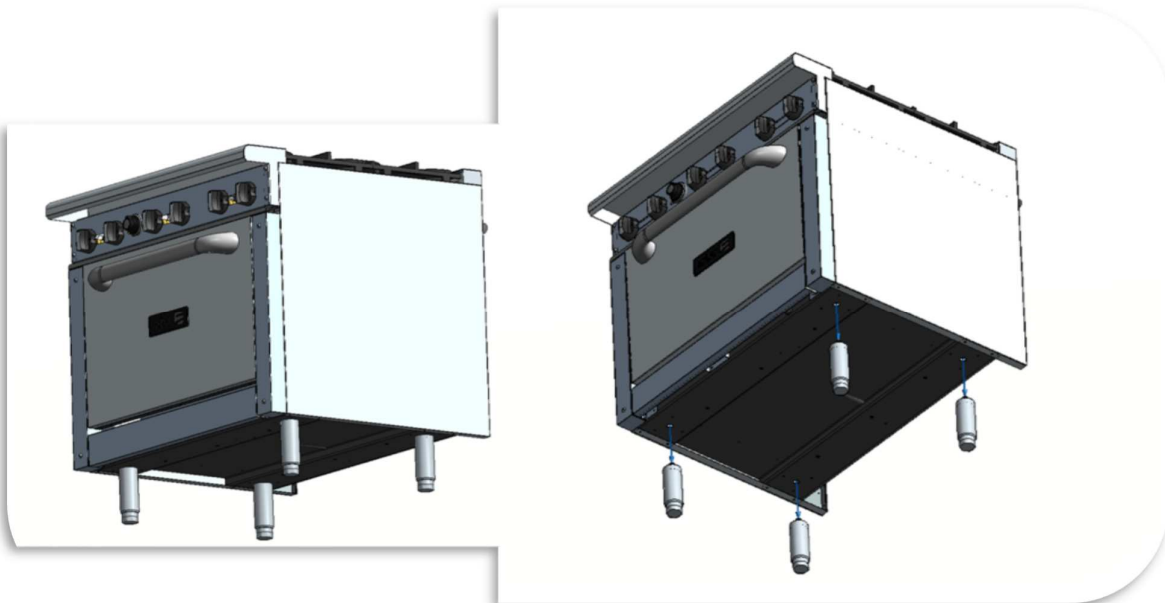
#### 2.2.1 UNCRATING

Cut and remove the outer packaging. Cut the (4) clamps that hold the equipment to the skid lift the unit off the skid.

#### 2.2.2 INSTALLATION OF LEGS

##### LEGS ASSEMBLY:

- Mount Legs on bottom of product, the appliance may be further leveled with adjustment in the foot of the leg.



## **2.3 GAS CONNECTIONS**

The gas supply (service) line must be the same size or greater than the inlet line of the appliance. KUT 6 BR N appliances use a 3/4" NPT inlet.

Pipe joint compound must be resistive to Natural or LP gas.

For equipment using propane gas do not install supply lines with a diameter less than 1/2 under any circumstances.

All connections must be tested with a soapy water solution before lighting any pilots.

The appliance shall be connected to the fuel gas for which it was designed. No attempt shall be made to convert the appliance from the gas specified on the rating plate for use with a different gas without consulting the installation instructions, the serving gas supplier, or the appliance manufacturer for complete instructions.

### **2.3.1 MANUAL SHUT OFF VALVE**

This installer supplied valve must be in the gas service line ahead of the appliance regulator in the gas stream and in a position accessible in the event of an emergency.

### **2.3.2 PRESSURE REGULATOR**

Commercial cooking equipment must have a pressure regulator on the incoming service line for safe and efficient operation; the gas pressure regulator supplied by ONNERA must be installed at the gas inlet of each piece of equipment.

The regulators supplied along with ONNERA appliances, will have 3/4" inlet/outlet openings and are adjusted at the factory for 5" WC (natural gas) or 10" WC (propane gas) depending on customer's ordering instructions.

Prior to connecting the regulator, check the incoming line pressure, as these regulators can only withstand a maximum pressure of 1/2" PSI (14"WC). If the line pressure is beyond this limit, a step down regulator will be required.

The arrow shown on the bottom of the regulator body shows the gas flow direction, it should point downstream to the appliance. The BLUE air vent cap on the top is part of the regulator and should not be removed.

Any adjustments to the regulator should be made by qualified service personnel only with the proper equipment.

### **2.3.3 THIS APPLIANCE IS EQUIPPED FOR NATURAL GAS.**

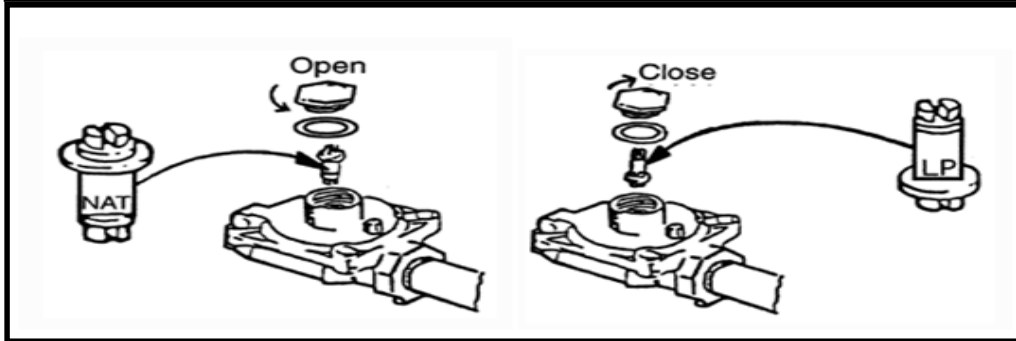
This appliance is equipped with orifices sized (# 36) for operation with natural gas.

For conversion to LP (PROPANE) gas see instruction plate in the appliance. Gas conversion must be performed by qualified or authorized personnel. Orifices (#52) necessary for LP (PROPANE) and regulator for conversion are provided on accessory box.

## PRESSURE REGULATOR CONVERSION

**A.** Remove cap and snap out plastic plunger from bottom of cap.

**B.** Turn plunger over and snap back in original location.



***Failure to install the pressure regulator will void the appliance warranty***

### 2.4 LOCATION

- Installation of the equipment should be performed by qualified, certified, and authorized personnel who are familiar and experienced with local installation codes.
- Before Installation please read instructions completely and carefully.
- Do not remove permanently affixed labels, warnings or plates from the product.
- Please observe all local and national codes and ordinances
- Installation must conform with local codes, or in the absence of local codes, the National Fuel Gas Code, ANSI Z223.1 (latest edition)
- The appliance must be isolated from gas supply piping system, by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressure equal to or less than ½ psi (3.45kpa)

### 2.5 CLEARANCES

The appliance area must be kept free and clear of all combustibles

KUT 6 BR Series products are for installation in Non-Combustible locations only.

	COMBUSTIBLE	NON COMBUSTIBLE
<b>SIDES</b>	12 Inches	0 Inches
<b>REAR</b>	8 Inches	0 Inches
<b>FLOOR</b>	6 Inches	0 Inches

## **2.6 AIR SUPPLY & VENTILATION**

The area in front of, around and above the appliance must be kept clear to avoid any obstruction of the flow of combustion and ventilation air.

Adequate clearance must be maintained around the appliance for easy servicing. Provision should be made for any commercial, heavy-duty cooking appliance exhaust combustion waste products to the outside of the building. Usual practice is to place the appliance under an exhaust hood, which should be constructed in accordance to the local codes. Strong exhaust fans in this hood or in the overall air conditioning system can produce a slight vacuum in the room and / or cause air drafts, either of which can interfere with the pilot or burner performance and could be difficult to diagnose. Air movement should be checked during installation. Air openings or baffles may have to be provided in the room, if pilot or burner outage problem persists.

## **OPERATION**

- 3.1 General information.
- 3.2 Lighting Instructions.
- 3.3 Daily Shut-Down.

### **3.1 GENERAL INFORMATION.**

Operation of this equipment must be performed by qualified or authorized personnel who have read and are familiar with the functions of the equipment.

### **3.2 LIGHTING INSTRUCTIONS**

1. Place all valves in the off position.
2. Wait 5 minutes
3. Turn the pilot adjuster counterclockwise with a flathead screwdriver, light the pilot flame and adjust the flame to ¼" height.
4. Turn the burner valves on the control panel to the "ON" position.
5. To shut down the computer completely; close the burner valves on the control panel and with a flat screwdriver close the pilot valves by tightening clockwise

NOTE: All equipment with surface burners have pilots that are on all the time. These must be turned on and adjusted manually immediately after the equipment has gas. These adjustments can be made with the screw on the pilot adjuster, which is accessible from the front

### **3.3 DAILY SHUT-DOWN**

At the end of the day, turn the gas tap dial on the combination gas valve and the thermostat to OFF position. Where applicable turn the power switch to OFF position.

### **3.4 TOP BURNERS**

All top section burners are equipped with constant burning pilots. These are to be manually lighted immediately after the gas is turned on and can be rechecked for proper adjustment. All adjustments can be made with a screw driver to the brass pilot valve accessible through the valve cover.

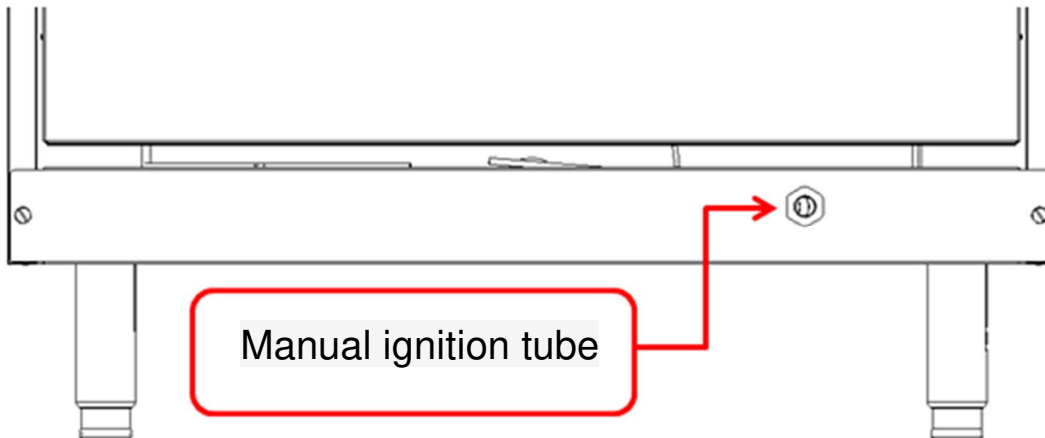


### 3.5 OVEN

To turn on the oven follow the following sequence:

1. Turn the oven thermostat knob to "off" and wait 5 minutes.
2. Make sure any gas buildup has dispersed. Check near surface for gas odor before attempting to light pilot.
3. Put the thermostat knob in the "pilot" position and press to allow gas flow during the lighting process.
4. This equipment has manual ignition, to light the pilot you must bring the lighter, match, spark plug, etc. to the nozzle at the bottom of the oven (see image below) without putting the flame in the tube, as this would suffocate it, extinguishing the flame.
5. Continue pressing the knob until the pilot stays lit, if when releasing the knob the pilot goes out, it will be necessary to repeat the process until the pilot stays lit. (It is recommended to keep this knob pressed for 8 seconds.)
6. Turn the thermostat knob and select the desired temperature, check that the oven burner lights with the pilot light and that there are no yellow flames
7. To turn off the oven, place the thermostat in the "off" position.

NOTE: It may be necessary to repeat the pilot lighting process until the lines are purged of any trapped air and a steady flow of gas is achieved.



# **MAINTENANCE**

## **4.1 CLEANING**

For continued performance efficiency and longevity of your oven it is essential to carry out a good maintenance program.

### **4.1.1 DAILY**

#### **OPEN BURNERS / HOT PLATES**

1. Remove all top grates.
2. Lift off the burner's heads and venturi's by raising the head slightly, sliding to the rear and lifting upwards.
3. Wash off the above in hot soapy water.
4. Re-install parts in the reverse order.

#### **OVENS**

On initial installation, turn the oven to 250°F degrees and operate for about 1 hour, then reset the thermostat to its maximum and operate for another hour. This will drive off any solvents remaining in the unit. At the end of this second hour, turn the thermostat OFF, open the door and allow the unit to cool. Oven should then be thoroughly washed using hot, soapy water before being used.

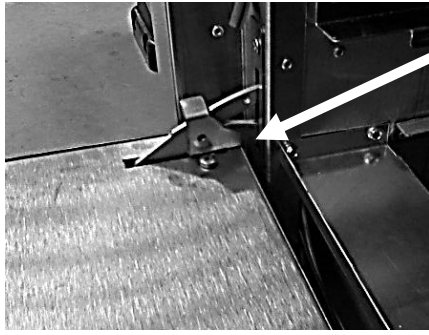
### **4.1.2 STAINLESS STEEL PARTS**

Do not use steel wool, abrasive cloths, cleansers or powders to clean stainless steel surfaces. All stainless steel parts should be wiped regularly with hot soapy water during the day and a stainless steel liquid cleaner at the end of the day. To remove encrusted materials, soak in hot water to loosen the material, and then use a wood or nylon scraper. NOT USE a metal knife, spatula, or any other metal tool to scrape stainless steel. Scratches are almost impossible to remove.

**Contact the factory, factory representative or a local service company to perform all Maintenance and Service Repairs.**

### **4.1.3 TO TAKE OFF OVEN DOOR:**

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STEP 1.- Place in this way the assembler component in both hinges (you can find 2 pieces of it in carton legs box)



STEP 2.- Hold on both hinges of door with your hands.



STEP 3.- Raise the door until it forms a 45 degrees angle.



STEP 4.-Pull the door towards you and up.

For put again the oven door, reverse this instructions.

## **TROUBLE SHOOTING**

<b>PROBLEM</b>	<b>PROBLEM CAUSE</b>	<b>SOLUTION</b>
BURNER AND/OR PILOTS NOT TURN ON	GAS SUPPLY TO COOKING EQUIPMENT IS OFF	TURN ON GAS SUPPLY
UNIT PRODUCING CARBON DEPOSITS	GAS TYPE	VERIFY CORRECT GAS
	GAS SUPPLY PRESURE	CONTACT LOCAL GAS SUPPLIER
	PRIMARY AIR NOT ADJUSTED PROPERLY	ADJUST AIR SHUTTER
	ORIFICE TOO BIG	VERIFY ORIFICE SIZE
PILOT WILL NOT REMAIN LIT	PILOT FLAME NOT ADJUSTED	ADJUST PILOT FLAME
	DRAFT CURRENTS NEAR EQUIPMENT	FIX DRAFT
	NOT ENOUGH VENTILATION	CONTACT HVAC CONTRACTOR
	DEBRIS OR GREASE CLOGGING PILOT BURNER	CLEAN DEBRIS AND GREASE FROM PILOT BURNER
EXCESSIVE FLARE-UP	OVERLOAD OF OIL AND LEFTOVERS	CLEAN AND PREPARE PAN
NOT HEATING PROPERLY	ORIFICES DIRTY/CLOGGED	CLEAN ORIFICE, MAKE SURE THERE IS NO RESTRICTION IN THE ORIFICE BURNER
	LOW GAS PRESSURE	INCREASE GAS PRESSURE TO 5" WC (NAT) OR 10" WC (L.P.)
	GRATES DIRTY/CLOGGED	CHECK AND CLEAN TOP GRATES
	IF THE VENTILATION IS TO STRONG IT WILL DRAFT HEAT FROM THE COOKING/BROILING SURFACE	CALL HVAC CONTRACTOR

# **WARRANTY**

## **5.1 LIMITED WARRANTY**

ONNERA warrants its new product(s) to be free from defects in material and workmanship for a period of one (1) year from the original date of installation not to exceed 15 months from date of shipment from our factory. Equipment sold and installed for residential use, or outside the continental US is excluded from this warranty.

This warranty is limited to product(s) sold to the original commercial user. The liability of ONNERA is limited to, at ONNERA's option, the repair or replacement of any part (ground shipping only) found by ONNERA to be warranted herein. ONNERA shall bear the normal labor charges for repair or replacement to the extent that such repair or replacement is performed within (2) two hours or up to 100 miles total of the office of an authorized service agency, within the continental US and during regular (straight time) hours. Travel outside of the (2) two hours or 100 miles, and any work performed at overtime or weekend rates would be the responsibility of the owner/user. Defective parts must be returned to ONNERA, freight pre-paid, for Warranty inspection.

ONNERA assumes no responsibility for any product not installed properly in accordance with the instructions supplied with the equipment by an authorized representative. Any equipment which has been modified by unauthorized personnel or changed from its original design is not covered under this warranty. Furthermore, ONNERA assumes no obligation for any product which has been subject to misuse, abuse or hard chemicals. Normal maintenance as outlined in the instructions is the responsibility of the owner-user and is not a part of this warranty. Normal parts wear and maintenance is also not covered by this warranty. This warranty is in lieu of any other agreement, expressed or implied, and constitutes the only warranty of ONNERA with respect to the product.

This states the exclusive remedy against ONNERA relating to the product(s) whether in contract or in tort or under any other legal, theory, and whether arising out of warranties, representations, instruction, installation or defects' from any cause.

ONNERA shall not be liable whether in contract or in tort or under any other legal theory for loss of revenue or profit, or for any substitute use or performance or for incidental, indirect, special or consequential damages, or for any other loss or cost of similar type.

Proper installation, initial check out, air shutter adjustments, or normal maintenance such as lubrication, adjustment or calibration of controls is the responsibility of the dealer, owner-user or installing contractor and is not covered by this warranty.

Parts warranty cover – ONNERA warrants all new machine parts produced authorized by ONNERA to be free from defects in material and workmanship for a period of 90 days from the Warranty Commencement Date. If any defect in material and workmanship is found to exist within the warranty period ONNERA will replace the defective part without charge. Defective parts become the property of ONNERA.

## **WARRANTY EXCLUSIONS**

Negligence or Acts of God.

- Thermostat calibrations after (30) thirty days from equipment installation due.
- Air and Gas adjustments.
- Adjustments to burner flames and cleaning of pilot burners.
- Failures caused by erratic voltages or gas supplies.
- Unauthorized repair by anyone other than an ONNERA Authorized Service Center.
- Damage in shipment.
- Alteration, misuse or improper installation.
- If serial number has been removed or altered.
- Thermostats and safety valves with broken capillary tubes.
- Ordinary wear and tear.

# KUTANO

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**MULTI-SOLUTION MANUFACTURER OF FOODSERVICE EQUIPMENT**