



CASUAL FIRESIDE™

A HIGHER STANDARD IN QUALITY AND APPEARANCE - SAFE AND BEAUTIFUL OUTDOOR
FIRE PIT FOR PROPANE AND *NATURAL GAS



* Select link below to download French instructions.
* Sélectionnez le lien ci-dessous pour télécharger les instructions françaises.

<http://www.owlee.com/technical-information.aspx>



* Needs Conversion Kit



WARNING: FOR OUTDOOR USE ONLY

CODE AND SUPPLY REQUIREMENTS: When an appliance is for connection to a fixed piping system, the installation must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, International Fuel Gas Code, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling Code, B149.2, as applicable.



WARNING

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

An LP-cylinder not connected for use shall not be stored within 60" of this unit or any other appliance.



WARNING

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



DANGER

If you smell gas:

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

This appliance is designed as an "attended appliance". Adults must be present when the unit is operating.

DO NOT leave this unit burning when unattended. If this product is left burning unattended it may cause damage or serious injury.



DANGER

CARBON MONOXIDE HAZARD

This appliance can produce carbon monoxide which has no odor.

Using it in an enclosed space can kill you.

Never use this appliance in an enclosed space such as a camper, tent, car, or home



INSTALLER - Owner's Manual must be left with the consumer for future reference.

CONSUMER - Owner's Manual must be saved for future reference.

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IMPORTANT SAFETY INFORMATION

READ THESE INSTRUCTIONS FULLY BEFORE INSTALLING THIS OUTDOOR FIRE PIT.

If not installed and used correctly per these instructions,
this product can cause serious injury and or property damage.

**CAUTION: INSTALLATION, MODIFICATION AND REPAIR MUST BE DONE BY
A CERTIFIED, PROFESSIONAL TECHNICIAN or LICENCED PLUMBER.**

Be sure you understand all safety precautions and warnings contained in this manual.
If you have any questions, please contact O.W. Lee at (800) 776-9533

- A. CHECK STATE AND LOCAL CODES TO DETERMINE IF THE OUTDOOR FIRE PIT IS PERMITTED IN YOUR LOCALITY BEFORE INSTALLATION.
- B. FOR OUTDOOR USE ONLY. THIS UNIT MUST BE INSTALLED AT LEAST 60" FROM CENTER OF BURNER TO ANY COMBUSTIBLE WALLS, CEILINGS, OR MATERIAL.
- C. When shutting the unit down—be sure to TURN THE CONTROL VALVE FULLY OFF.
- D. WARNING: CARBON MONOXIDE POISONING MAY LEAD TO DEATH. DO NOT MODIFY THIS OUTDOOR FIRE PIT OR ITS CONTROLS, EXCEPT AS PROVIDED FOR IN THIS MANUAL.**
Any other change may be dangerous. Improper installation or use of your Outdoor Fire Pit can cause serious injury or death from fire, burns, explosions or carbon monoxide poisoning.

MINIMUM CLEARANCE TO COMBUSTIBLES

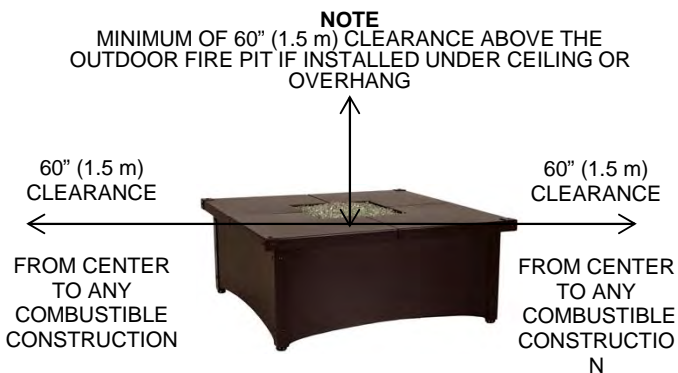


Figure 1

Clearances to Combustible Construction:

Sidewalls: 60" (1.5 m) from center of unit (Figure 1)
Ceiling: 60" (1.5 m) from top of unit to ceiling or overhang
Flooring: 0" – Can be installed on deck, slab, floor, etc.

The dimensions shown in Figure 1 are **MINIMUM CLEARANCES** to maintain when you install this Outdoor Fire Pit. **THERE MUST BE AT LEAST 60"** of clearance from the center of the unit to any combustible sidewalls, ceilings, or material.

IMPORTANT SAFETY INFORMATION

- A. Before installing this Outdoor Fire Pit, check “Minimum Clearance to Combustibles” on page 2. **MINIMUM CLEARANCES** must be maintained when you install this Outdoor Fire Pit. **THERE MUST BE AT LEAST 60”** (1.5 m) from the center of the burner to any combustible sidewall, ceiling, or material.
- B. The Outdoor Fire Pit is for outdoor use only. DO NOT install or use this appliance inside a building, garage, or any other enclosed area including recreational vehicles and/or boats. **This unit must be installed in such a manner that proper air ventilation is maintained without obstruction at all times, and during all weather conditions.**
- C. CHECK GAS TYPE (natural gas or propane): The gas supply you intend to use may not be the same as that stated on your outdoor rating plate. **THIS FIRE PIT IS CONSTRUCTED FOR USE WITH PROPANE GAS.** If the gas supply is different, **or you wish to change to natural gas, you MUST have the Fire Pit Converted (method described on page 8) to the gas type you intend to use, by a qualified, professional technician.** If you are unsure, contact your dealer for assistance.
- D. **DO NOT USE IF GAS PRESSURE IS LOWER THAN THE MINIMUM REQUIREMENT OR EXCEEDS THE MAXIMUM.**
- E. **FOR NATURAL GAS:** The minimum inlet gas supply pressure for purposes of input adjustment is **5 inches** (127 mm) water column and maximum inlet gas supply pressure is **10 inches** (254 mm) water column. **FOR PROPANE:** The minimum inlet gas supply pressure for purposes of input adjustment is **8 inches** (203 mm) water column and the maximum inlet gas supply pressure is **13 inches** (330 mm) water column. **DO NOT INSTALL THIS UNIT IF MINIMUM PRESSURE IS NOT AVAILABLE OR IF MAXIMUM PRESSURE IS EXCEEDED.**
- F. Gas piping system must be sized to provide minimum inlet pressure at the maximum flow rate (BTU/hr). Undue pressure loss will occur if the pipe is too small or the run is too long.
- G. Casual Fireside Fire Pits are suitable for installation from 0 - 4500 ft. without modification.
- H. If the Outdoor Fire Pit is connected to Natural Gas, its main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of ½ psi (3.5kPa).
- I. If the Outdoor Fire Pit is connected to Natural Gas, it must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than ½ psi (3.5kPa).
- J. **INSTALLER NOTE: This unit should be installed so that it can be removed at a later date for service.**
- K. **GAS SUPPLY PLUMBING REQUIREMENTS**
Apply only joint compounds that are resistant to all gasses on all male pipe fittings. Make sure to tighten every joint securely. Do not use pipe joint compound to connect flare fittings.
- L. **Propane Regulator Hose:** Always inspect the condition of the propane regulator hose before each operation. Any signs of excessive abrasion **MUST BE REPLACED.** Contact your local dealer for replacement part
- M. **Location Regulator Hose** (when used): The propane regulator hose is located inside inside the fire pit door panel. When installed, make sure the hose is secured inside the unit and **DOES NOT TOUCH THE BURNER**
- N. **Note: The Use Of A Third Party Fire Pit Top, Media and or Components Will Void Omni Certification and O.W Lee Warranty.**

SAFETY NOTE: An external on/off valve in the gas line is required for safety when your Outdoor Fire Pit is not in use. It also provides for convenient maintenance and repair.

IMPORTANT SAFETY INFORMATION

OPERATING INSTRUCTIONS

- A. **YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE AREA OF THIS APPLIANCE.**
- B. **DO NOT sit or place any part of the body or combustible materials on the Fire Pit surround. Children and adults should be alerted to the hazard of high surface temperatures and should stay away to avoid burns or clothing ignition.**
- C. Every time you use your Fire Pit make sure that the area around the Fire Pit is clear of flammable items such as gasoline, yard debris, wood, etc.
- D. **WARNING: HOT WHILE IN OPERATION AND FOLLOWING OPERATION.** Children must be carefully supervised when in the vicinity of this appliance. Serious injury may occur. **DO NOT** throw trash, paper, or other flammable materials onto your Fire Pit. **DO NOT** leave in operation when unattended.
WARNING: DO NOT operate this Fire Pit in the rain.
- E. SOLID FUEL MUST NOT BE BURNED in the Fire Pit.
- F. DO NOT continue using if you smell unusual odors or have headaches, nausea or are dizzy.
- G. **DO NOT** store any combustible materials, gasoline, or any other flammable vapors/liquids around the area of your Fire Pit. Provide adequate clearance for servicing and operation.
- H. **Clothing or other flammable materials should not be hung from the appliance, or placed on or near the appliance.** Matches, paper, garbage, or any other material must not be thrown on top of the lava rock, logs, or burner, or into the flame.
- I. **DO NOT use this appliance if any part of it has been under water.** Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.
- J. **Installation and repair should be done by a qualified licensed service technician.** Open the door on the unit to gain access for inspection
- K. **The appliance should be inspected before use and at least annually by a qualified licensed service technician.** More frequent cleaning may be required as necessary. It is imperative that control compartment, burners and circulating air passageways of the appliance be kept clean and free from insects, spider webs or any type of obstruction.
- L. The burner must be replaced prior to the appliance being put into operation if it is evident that the burner is damaged. Replacement burner #COM0590 manufactured by O.W. Lee Company, 1822 E. Francis Street, Ontario CA 91761
- M. Periodically make a visual check of the burner flames - see pictorial representation below for proper flame height
- N. Cleaning of appliance – Remove lava rock or glass crystals, clean burner with soap and water and dry thoroughly. Clean lava rock or glass crystals with water and dry thoroughly before lighting.

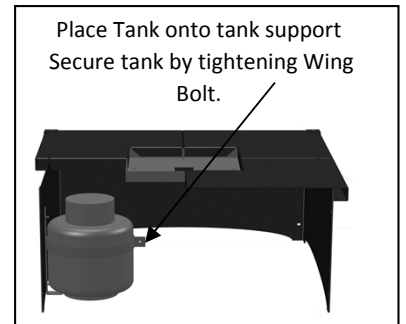


Pictorial representation of approximate flame height.

INSTALLATION INFORMATION CONNECTING THE GAS TO THE FIRE PIT

IMPORTANT BEFORE PROCEEDING, CAREFULLY READ ALL OF THE IMPORTANT SAFETY INFORMATION CONTAINED IN THIS OWNER'S MANUAL, INCLUDING:

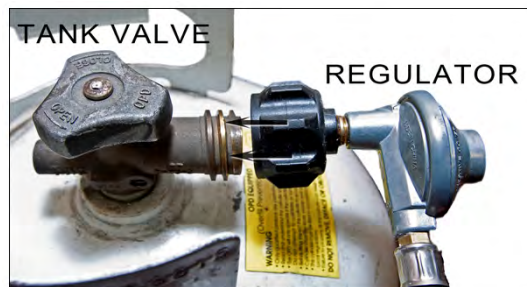
- A. Pre-Installation and Outdoor Fire Pit Preparation Safety Guidelines (page 3).
- B. Media Installation Guidelines (Page 6-8).
- C. Minimum Clearance to Combustibles (page 2).



LP-GAS CYLINDER INFORMATION:

1. Cylinder Size: 20 Lbs. (9kg) Capacity: 4.7 Gallons (17.8 Liters).
2. The LP-gas cylinder(s) to be used must be constructed and marked in accordance with the U.S. Department of Transportation (D.O.T.) Specifications for LP-Gas Cylinders or the Standard for Cylinders, Spheres and Tubes for Transportation of Dangerous Goods and Commission, CAN/CSA-B339 as applicable.
--Use propane cylinders approved for your area such as "Blue Rhino" or "AmeriGas" with this appliance. Other cylinders may be acceptable for use with the appliance provided they can be mounted to the appliance using the cylinder retention device provided. (See illustration above.)
--The LP-gas supply cylinder to be used must be provided with a listed overfilling prevention device and with a cylinder connection device compatible with the connection for the appliance.
3. If the appliance is not in use, the gas must be turned off at the supply cylinder.
4. The cylinder must be disconnected when the appliance is not in use.
5. The LP-gas cylinders must be stored outdoors in a well-ventilated area out of the reach of children. Disconnected cylinders must have threaded valve plugs tightly installed and must not be stored in a building, garage, or any other enclosed area.
6. The cylinder supply system must be arranged for vapor withdrawal.

BEFORE INSTALLATION, BE SURE THE PROPANE TANK IS TURNED OFF.



Turn on the gas to the burner system and test for leaks with soapy water solution. (Never use an open flame for testing). If a leak is found, tighten the connector until no leaks are detected. The hose and burner should be inspected before each use of the appliance. The hose assembly must be replaced prior to the appliance being put into operation if there is evidence of excessive abrasion or wear, or if the hose is damaged. The replacement hose shall be that specified by the manufacturer.

LAVA GRANULES MEDIA PLACEMENT

- A. Carefully inspect the carton for shipping damage. If any parts are missing or damaged, call your dealer. **Do not attempt** to install the appliance unless all parts are in good condition.
- B. Correct installation is crucial to safe performance of your Outdoor Fire Pit.
- C. Due to high temperatures, the Fire Pit must be located out of traffic areas and away from combustibles.

LAVA GRANULES AND GLASS MEDIA PLACEMENT



REPLACEMENT PARTS AND MEDIA ARE AVAILABLE THROUGH YOUR LOCAL DEALER

- #1 Stainless Steel Rectangle Burner Kit
- #2 Propane Regulator
- #3 On/Off Control Knob
- #4 Brass Replacement Valve
- #5 Whisper Quiet Flex Line 22"
- #6 Brass Fitting
- #7 Orifice Propane
- #8 Propane to Natural Gas Conversion Kit
- #9 Natural Gas to Propane Conversion Kit

Approved Media:

- #10 Lava Granules 3/8"
- #11 Pebble Fire Glass Kit – Size #3 3/4" – 1/2" (9-19mm)
- #12 Tumbled Fire Glass Kit –Size #3 3/8" – 1/2" (9-12 mm)
- #13 Ceramic Rock Kit with Lava Granules
- #14 Ceramic Sphere Kit with Lava Granules
- #15 Merriored Glass Kit - Size 1/4" - (6.35mm)

LAVA GRANULES PLACEMENT

Pour the bag of lava granules media into the Outdoor Fire Pit so that the burner is completely covered. See parts list above for approved media. (See figures #1 and #2)



Figure #1



Figure #2

CAUTION: BURN HAZARD. LAVA GRANULES WILL REMAIN HOT FOR SOME TIME AFTER USE.

YOU MUST MAINTAIN THE LAYOUT AS SHOWN TO ENSURE PROPER OPERATION OF YOUR FIRE PIT. IF YOU NEED TO REPOSITION ANY MATERIAL TO MAINTAIN THE PROPER LAYOUT, USE HEAT RESISTANT GLOVES OR ALLOW MATERIAL ADEQUATE TIME TO COOL BEFORE HANDLING.

Note: Lava granules used in a fire pit when heated up to normal operating temperatures can cause trapped gasses or moisture in the porous stone to expand and may "pop" and project outside of the fire pit, which could cause damage or injury. Caution should be exercised when heating up the fire pit with lava granules to normal operating temperatures.

GEM, MERRIORED AND TUMBLED GLASS MEDIA PLACEMENT

- A. Carefully inspect the carton for shipping damage. If any parts are missing or damaged, call your dealer. **Do not attempt** to install the appliance unless all parts are in good condition.
- B. Correct installation is crucial to safe performance of your Outdoor Fire Pit.
- C. Due to high temperatures, the Fire Pit must be located out of traffic areas and away from combustibles.

GEM, MERRIORED AND TUMBLED GLASS MEDIA PLACEMENT

Pour the glass gem / tumbled glass media into the Outdoor Fire Pit so that the burner is completely covered.
(See Figure 1 and 2)

Figure 1.
Pour the first bag of the glass media into the burner support.



Figure 2.
Pour the additional bags of media onto the burner support. Spread the media evenly covering the burner.



Ceramic Rock Placement (See Figure 1, 2 and 3)

Figure 1.
Pour the lava granules into the burner support.



Figure 2.
Place the larger rocks allowing gaps for proper air flow.



Figure 3.
Lay the smaller stones on top of the larger stones allowing gaps for proper air flow.



CAUTION: BURN HAZARD. FIRE PIT MEDIA WILL REMAIN HOT FOR SOME TIME AFTER USE.

YOU MUST MAINTAIN THE LAYOUT AS SHOWN TO ENSURE PROPER OPERATION OF YOUR FIRE PIT.
IF YOU NEED TO REPOSITION ANY MATERIAL TO MAINTAIN THE PROPER LAYOUT, USE HEAT RESISTANT GLOVES OR ALLOW MATERIAL ADEQUATE TIME TO COOL BEFORE HANDLING.

CERAMIC ROCK AND SPHERE MEDIA PLACEMENT

Ceramic Sphere Placement (See Figure 1, 2, 3 and 4)

Figure 1.
Pour the lava granules into the burner support covering the burner completely.



Figure 2.
Place the larger spheres evenly over the edge of the burner



Figure 3
Add the medium spheres at the corner and one small sphere in the center.



Figure 4.
Add the smaller spheres as illustrated below



Notes:

**CAUTION: BURN HAZARD. CERAMIC ROCK AND SPHERE MEDIA.
WILL REMAIN HOT FOR SOME TIME AFTER USE.**

YOU MUST MAINTAIN THE LAYOUT AS SHOWN TO ENSURE PROPER OPERATION OF YOUR FIRE PIT.
IF YOU NEED TO REPOSITION ANY MATERIAL TO MAINTAIN THE PROPER LAYOUT, USE HEAT RESISTANT GLOVES OR ALLOW MATERIAL ADEQUATE TIME TO COOL BEFORE HANDLING.

OPERATING INSTRUCTIONS

*We recommend that before you install your Fire Pit you familiarize yourself with the control valve layout. This will help you to be confident operating the Fire Pit when fully installed (see figures below for typical control positions).

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

BEFORE LIGHTING, smell all around the Outdoor Fire Pit area for gas. Be sure to smell next to the floor because propane gas is heavier than air and will settle on the floor. **IF YOU SMELL GAS FOLLOW THE INSTRUCTIONS ON PAGE 1.**

DO NOT use this appliance if any part has been under water. Immediately call a qualified, professional service technician to inspect the Outdoor Fire Pit and to replace any part of the control system and any gas control that has been under water.

Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand. **DO NOT** try to repair it. Call a qualified, professional service technician. Force or attempted repair may result in fire or explosion.

LIGHTING INSTRUCTIONS

STOP - READ SAFETY INFORMATION ABOVE

1. Push in the manual gas control knob slightly and turn clockwise to the "OFF" position.
2. Wait 5 minutes for gas to clear out
3. Place a burning match to the surface of the lava granules that cover the burner. Do not hold the match by hand.
4. After the match is burning and in position, push in the manual gas control knob slightly, and slowly turn the knob counter-clockwise to the "ON" position.



Shutting Off The Fire Pit

To turn off: Press in and rotate the manual gas control knob clockwise to the "OFF" position.

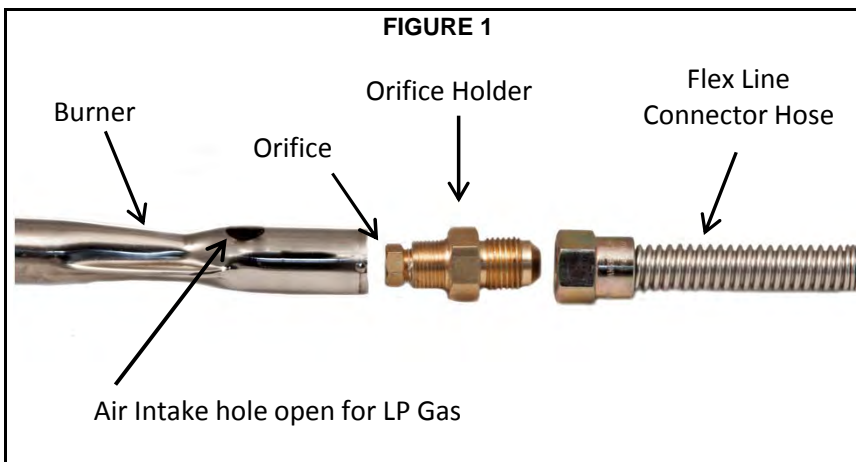
CAUTION:

DO NOT turn the main gas valve knob to the "ON" position FOR 5 MINUTES after shutting the unit off.

CONVERTING YOUR FIRE PIT TO A DIFFERENT GAS TYPE



- MAKE SURE THAT THE GAS SUPPLY TO THE FIRE PIT (AND ANY NEARBY ELECTRICAL SOURCES/APPLIANCES) ARE SHUT OFF.**
- Carefully detach the flex line connector hose attached to the orifice holder (Figure # 1) and unscrew the orifice holder from the burner pipe (Figures #1 and # 2).
- Remove the orifice from the holder (Figure # 2) and replace it with the proper sized one for your gas requirement. Propane requires the smaller orifice.
- If you are converting from propane (LP) gas to natural gas, install the air shutter sleeve so that the air intake holes are closed (Figure #2). For Propane gas, remove the air shutter so that the air intake holes are open (Figure #1).
- IT IS NECESSARY TO ATTACH THE LABEL OR RATING PLATE INCLUDED WITH THE CONVERSION KIT TO CLEARLY INDICATE THE FIELD CONVERSION.**

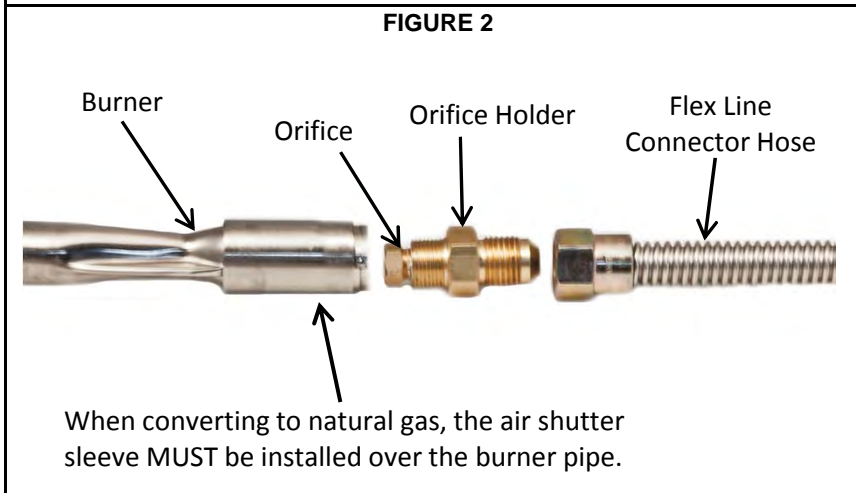


Casual Fireside Fire Pits Are Suitable For Installation from 0 - 4500 ft. Without Modification.

Follow steps 1 – 5 shown above.

THE CONVERSION SHALL BE CARRIED OUT BY A MANUFACTURER'S AUTHORIZED REPRESENTATIVE, IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER, PROVENCIAL OR TERRITORIAL AUTHORITIES HAVING JURISDICTION AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE CAN/CGA-B149.1 OR CAN/CGA-B149.2 INSTALLATION CODES.

After conversion follow Operating Instructions found on Page 9.



MANUFACTURER'S USE ONLY - QUALITY CHECK

Date _____

Orifice # (Main) #40
 Orifice # (OTHER) #12
 Leak Test _____
 Burn Test _____
 Gas Type (LP)- NAT

Work Order # _____
 Serial # _____
 Model # COM0590
 Air Shutter X
 Inspector: _____