# PYROMANIA FIRE TABLE
# (ELECTRONIC IGNITION)
# Model: ARROYO, VESSEL, OTTO, OASIS, BRUT

**INSTALLER: Leave this manual with the appliance.**

**CONSUMER: Retain this manual for future reference.**

## ⚠ WARNING

**If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.**

## ⚠ 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 in vicinity of this or any other appliance.**

## ⚠ DANGER

**FIRE OR EXPLOSION HAZARD**
**If you smell gas:**

- **Shut off gas to the appliance.**
- **Extinguish any open flame.**
- **If odor continues, leave the area immediately.**
- **After leaving the area, call your gas supplier or fire department.**

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

## ⚠ 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**

## ⚠ 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 in vicinity of this or any other appliance.**

## ⚠ WARNING: For Outdoor Use Only.

**Installation and service must be performed by a qualified installer, service agency, or the gas supplier.**

# BEFORE YOU START 1

## INITIAL INSPECTION

Before installing the appliance, it is important to perform the following and determine if it is safe to proceed:

Carefully remove the fire appliance from the packaging

Check for the damage. If any damage is found, contact the retailer you purchased the appliance from and report it immediately.

With the help of another person, turn the appliance over onto a rug or blanket. Do not attempt to turn over the appliance by yourself as injury to yourself or damage to the appliance may occur.

Inspect the underside of the burner and components carefully for any signs of damage or loose connections. If any damage is found, contact the retailer and report it immediately. Tighten any loose connections and perform a leak test afterward.

Check the gas supply hose for damage. The hose must be replaced prior to the appliance being put into use if any evidence of damage is found. The replacement hose must be one specified by Pyromania Inc. in the parts list located on page 15.

## OPTIONAL LEG INSTALLATION (IF SUPPLIED)

While the appliance is still in the upside-down position, install the legs by threading them onto the bases located at the bottom of the appliance. Screw them in all of the way but do not tighten them. Then rotate them in the opposite direction 3 full turns. They can then be adjusted up and down approximately 3/8” after the appliance is installed in its permanent location by turning them in either direction up to 3 full turns.



## GAS REQUIREMENTS

Your appliance is set up from the factory for use with either propane or natural gas. Before making gas connections, ensure that the appliance being installed is compatible with the available gas type.

**LIQUID PROPANE (LPG)**

Propane appliances are set-up from the factory for use with a 20 pound (5 gallon) portable BBQ style supply cylinder with an ANSI/CGA-V-1-1977, CSA B96 connection. The propane supply cylinder 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 Tube for Transportation of Dangerous Goods* CAN/CSA-B339, as applicable; Provided with a listed overfilling prevention device; And provided with a cylinder connection device compatible with the connection for the appliance.

When connecting to a portable gas cylinder, the pressure regulator and hose assembly supplied with LP models must be used. Replacement pressure regulators and hose assemblies must be those specified in the parts list in this manual. Minimum inlet gas supply pressure is 25 psi. Maximum inlet gas supply pressure is 250 psi.

Never use a propane cylinder with a damaged body, valve, collar or footing. Dented or rusted propane cylinders may be hazardous and should be checked by your propane gas supplier.
When storing propane cylinders, they must be stored in an outdoor location out of reach of children. Never store tanks in an enclosed environment, in direct sunlight or near a source of heat or combustion. Propane cylinders should have a dust cap installed when being stored.

If connected to a fixed piping system, the supply hose can be replaced with a quick connect style hose if it complies with the standard for *Quick Disconnect Devices for Gas Fuel Appliances* ANSI Z21.41 ● CSA6.9. There MUST be a pressure regulator with a maximum output of pressure of 14" W.C. installed in-line.

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; *National Fuel Gas Code; Natural Gas and Propane Installation Code*, CSA B149.1; or *Propane Storage and Handling Code*, CSA B149.2, as applicable; Therefore, It is recommended to have a certified gas fitter install this product when connecting to a fixed piping system.

**NATURAL GAS (NG)**

The installation of natural gas appliances must conform with local codes or in the absence of local codes, to the *National Fuel Gas Code*, ANSI Z223.1 NFPA 54: *National Fuel Gas Code: Natural Gas Propane Installation Code*, CSA B149.1; or *Propane Storage and Handling Code*, CSA B146.2. as applicable. Natural gas connections must be performed by a licensed contractor or local gas company representative.

Minimum inlet gas supply pressure is 3.5 inches water column. Maximum inlet gas pressure is 10.5 inches water column. 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; *National Fuel Gas Code; Natural Gas and Propane Installation Code*, CSA B149.1; or *Propane Storage and Handling Code*, CSA B149.2, as applicable; Therefore, It is recommended to have a certified gas fitter install this product when connecting to a fixed piping system. Ensure that the service supplying the appliance is fitted with a conveniently located manual shut off valve in a location with easy access.

This appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

# INSTALLATION INSTRUCTIONS 3

## SITE LOCATION

This appliance is for outdoor use only and must be used only in a well-ventilated space. It must not be used in an enclosed area such as a house, garage or enclosed patio. Toxic carbon monoxide fumes can accumulate and cause asphyxiation.

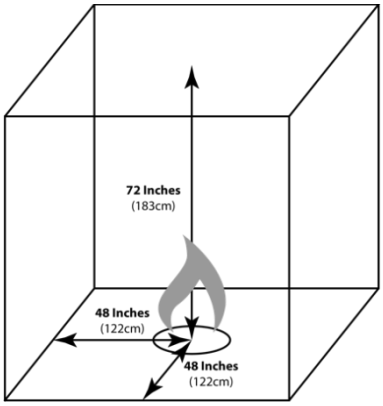
Do not install this appliance under or near windows and vents that can be opened into your home.

Keep clear of trees or shrubs.

Maintain sufficient distance from any overhead combustible material such as a patio cover or cabana.

Do not install this appliance in an explosive environment. Keep the area around it clear and free from combustible materials. Gasoline and other flammable vapors and liquids must be kept a minimum of 25 feet away and auxiliary propane tanks should be stored at a minimum of 10 feet away.

Required minimum clearances (to combustible materials): Sides and back - 48 inches (122 cm). Top - 72 inches (183 cm). If a thruster burner ring is installed, there should be nothing overhead.




## VENTILATION REQUIREMENTS

Fresh air must be able to pass under this appliance to safeguard against residual gas accumulation. Failure to allow proper ventilation may cause a fire or explosion.

If installing this appliance without the optional adjustable legs, it should be placed on a hard level surface that allows proper ventilation through the ½" gap incorporated into the bottom. If the installation method blocks the incorporated gap, then an alternative method for allowing ventilation would be required.

## CONNECTIONS - LIQUID PROPANE (LPG)

Your fire feature is set-up from the factory for use with a 20 pound (5 gallon) portable BBQ style supply cylinder (tank) with a ANSI/CGA-V-1-1977, CSA B96 connection. To connect the appliance to the supply cylinder, follow the steps below:

1. A. Place a tank seat (not included) on level ground and set the propane tank into it (refer to diagram A).
   B. Tighten down the screw on the side of the tank seat to secure the propane tank (refer to diagram B).
   C. Place the propane tank a minimum of 60 (152.4CM) away from the appliance (refer to diagram C).

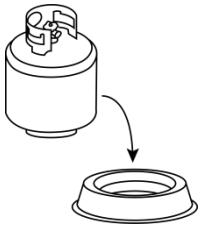


Diagram A

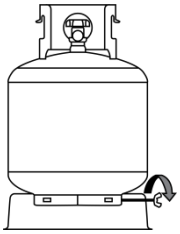


Diagram B

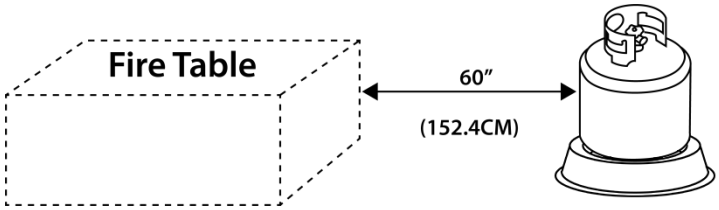
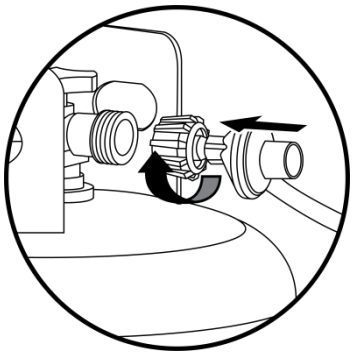


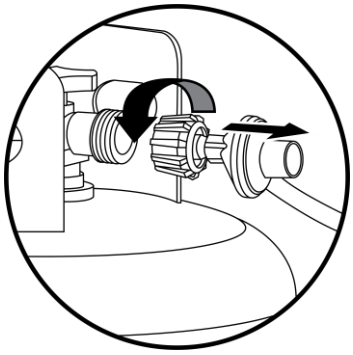

Diagram C

(Tank seat not included)

2. Check to make sure that there is no debris in the head of the propane tank or in the regulator at the end of the supply hose. Connect the gas line to the tank by turning the knob on the regulator clockwise. HAND TIGHTEN ONLY.

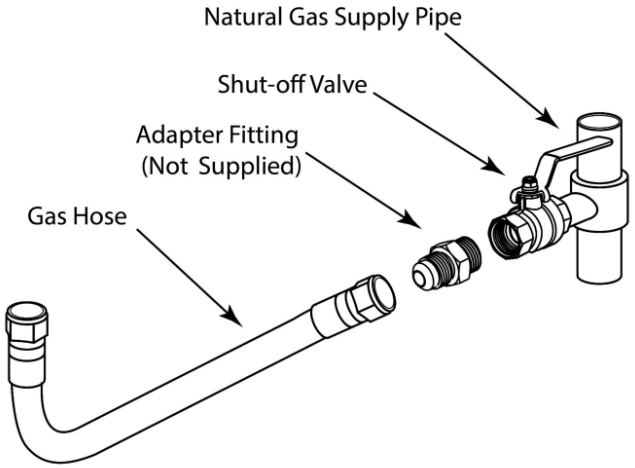


3. Make sure the valve on the appliance is in the off position before opening the valve on the tank. When disconnecting the tank, make sure that the valve on the tank is closed before removing the regulator/hose assembly from the tank.



## CONNECTIONS - NATURAL GAS (NG)

The supply hose is equipped with a 3/8” flare fitting and should be connected to a CSA certified manual shut off valve. An adapter fitting may be required.




This appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

The supply gas hose must not be run along areas where it may be a tripping hazard or subjected to accidental damage (such as pathways, driveways and lawns).

Do not bury the gas supply line supplied by the manufacturer underground. It is not approved or certified for underground use.

## LEAK TEST

Perform a leak test at least once per year. Do not use a flame to test for leaks. To perform a leak test properly, follow these instructions:

1. Prepare a leak testing solution of soapy water by mixing in a spray bottle one part liquid soap to one part water.
2. Make sure the unit is disconnected from its power source
3. Open the gas supply to the appliance.
4. Apply the leak testing solution by spraying it on joints of the gas delivery system. Blowing bubbles in the soap solution indicates that a leak is present.
5. Stop a leak by tightening the loose joint or by replacing the faulty part with one specified by the manufacturer.

If you are unable to stop a leak:

1. On natural gas systems, turn the gas supply valve to the off position.
2. On propane systems, disconnect the propane cylinder from the appliance.
3. Call an authorized gas appliance service technician.

## FIRE PEBBLE INSTALLATION

Place the fire pebbles by hand. Do not dump the bag into the burner in order to prevent damage to the appliance, to prevent clogging the burner ports with dust and to prevent getting debris in the ignitor box. Only place enough fire pebbles to cover the top of the burner ring and pan by 1”. Do not cover the top of the ODS cover. Do not cover the jets if a thruster burner ring is opted for. Excessive material may impede air flow and prevent proper operation. It may also impede gas flow and cause gas build-up and potentially cause an explosion.

### CORRECT



# OPERATION INSTRUCTIONS 7

## PRE-USE INSTRUCTIONS

Installation and repair of this appliance should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that the control compartment, burners, and circulating air passageways of the appliance are kept clean.

The appliance should be inspected before each use. It is imperative that the control panel, burner and circulating air passageways of the appliance are kept clean.

Before each use, check the hose assembly for excessive abrasion or wear. The hose assembly must be replaced prior to the appliance being put into use if any evidence of damage is found. The replacement hose assembly must be one specified by the manufacturer.

Do not use this appliance if any part 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 that has been under water.

Before lighting, smell around the appliance area for gas. Be sure to smell the burner area and the base of the appliance because they are the two areas that gas would most likely accumulate in case of a leak. If you smell gas, do not try to light the appliance. Immediately close the manual shut off valve, leave the area and call your gas supplier.

## OPERATION WARNINGS

Children must not operate this appliance and should be closely supervised when they are in the area of the appliance.

Clothing or other flammable materials should not be hung from the appliance or placed on or near the appliance.

Children and adults should be alerted to the high surface temperatures on this appliance during and after use and should be kept at a safe distance until it has cooled down in order to avoid burns or igniting clothing.

This appliance is for outdoor use only and must be used only in a well ventilated space. It must not be used in an enclosed are such as a house, garage or enclosed patio. Toxic carbon monoxide fumes can accumulate and cause asphyxiation

Do not use this appliance in windy environments.

Solid fuels must not be burned in this appliance. That includes items such as wood, charcoal briquettes, manufactured logs, trash, paper or wood.

Never lean over this appliance when lighting or when in use.

Do not sit on this appliance when in use.

Never attempt to disconnect the gas regulator from a propane tank or disconnect a gas fitting from the appliance or the main gas supply while the appliance is in use.

## LIGHTING AND SHUTTING OFF

**NOTE: Read and understand all pre-use and operating instructions before lighting.**

LIGHTING

1. If using natural gas, open the gas supply valve. If using propane, open the valve on the propane cylinder.
2. Make sure that the fire table is plugged in to the power source.
3. Dial the flame control switch (refer to illustration below). The ODS will try to ignite the pilot for 1 minute. If it fails to ignite the pilot at that time, it will automatically shut down the system, and the dial switch will need to be OFF to reset the system. Note: If attempting to start the appliance for the first time after connecting or reconnecting to the gas source, the line will need to be purged of air and several attempts to ignite the pilot may be needed.

SHUTTING OFF

1. Dial the flame control switch (refer to illustration below).
2. If the flame does not extinguish when the flame control switch is dialed, push the red emergency button (refer to illustration below). To reset the emergency button, turn the knob clockwise.




NOTES:

- Do not attempt to put a fabric cover on or move this appliance until it has completely cooled down.
- It is recommended to shut off the gas supply when the appliance is not being used for an extended period.

## CLEANING AND MAINTENANCE

It is important to perform regular maintenance and safety checks on your fire appliance. Proper maintenance with extend the life of the product and its components. Stainless steel will rust or corrode over time if contamination or debris is not cleaned or removed. When not in use, it is recommended that the appliance is protected with a canvas cover in order to protect it from weather and debris.

MAINTAINING THE FIRE TABLE BODY:

For routine cleaning of the appliance, wipe down with a damp cloth or sponge and mild dish soap. Avoid using any other cleaners as they may contain chemicals that can cause discoloration. To remove stains, use a marble or granite stain remover available at a local home improvement or masonry supply store. Follow the application instructions provided by the stain remover manufacturer

The concrete surface was sealed at the factory to help protect against staining. Over time, the sealer will breakdown and must be re-applied. It is recommended to reseal the surface annually with an outdoor concrete sealer available at a local home improvement or masonry supply store. Follow the application instructions provided by the sealer manufacturer.

INSPECTING THE GAS SUPPLY HOSE:

Check the hose assembly for excessive abrasion or wear. The hose assembly must be replaced prior to the appliance being put into use if any evidence of damage is found.

INSPECTING AND CLEANING THE BURNER PAN AND RING:

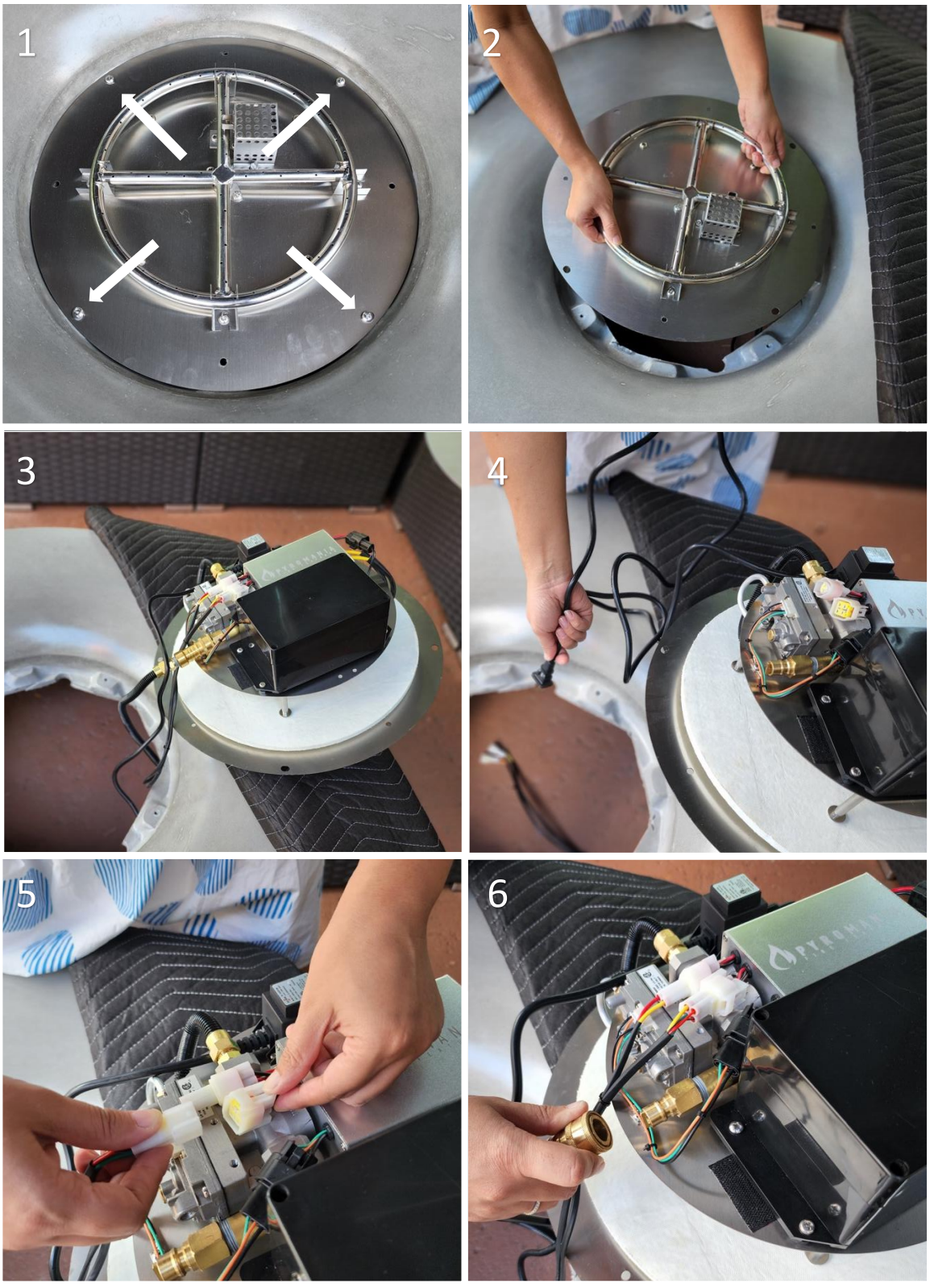
The burner must be inspected and cleaned annually. The burner assembly must be replaced prior to the appliance being put into use if any evidence of damage is found. To inspect and clean the burner pan and ring, follow these steps:

1. Remove the fire pebbles and examine the burner. Vacuum and clean the burner pan and ring.
2. Inspect the burner pan and ring for warping and corrosion. Have it repaired or replaced if necessary.
3. Verify that the burner ring holes are not clogged with debris. Clear as necessary.
4. Clean the burner ring and pan with a soft wire brush

REMOVING THE BURNER ASSEMBLY FOR SERVICE:

The electronic burner assembly was designed for easy removal and reinstallation in order to facilitate service and warranty repairs outside of the appliance body. It is recommended that the burner assembly is sent back to Pyromania for a complete pre-season inspection and service (annually). To remove the burner, follow the steps below.

1. Shut-off the gas at the supply valve.
2. Put a blanket on top of the appliance (at the control panel) to protect its surface
3. Remove the fire pebbles by hand and put them in a bucket.
4. Remove the four screws securing the burner pan (refer to illustration 1 below)
5. Grab the burner ring with two hands, slowly lift the burner pan out and turn it over onto the blanket (refer to illustration 2 and 3 below). Be careful to not damage the gas lines and electrical cables. They may get caught on the appliance body and need to be carefully moved.
6. Unplug the appliance from its power source (refer to illustration 4 below).
7. Unclip the flame and power control electrical connections joining the main control module to the control panel (refer to illustration 5 below). **NOTE:** The flame control has a white connector, and the power control has a black connector. **Do not** unplug the connector joining the main control to the valve
8. Disconnect the gas line at the burner assembly at the quick connect fitting on the burner assembly (refer to illustration 6 below). The burner assembly can now be sent to Pyromania for servicing.
9. Re-installation is done by following the removal steps in reverse but with putting down a blanket first.


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2
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4
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# TROUBLESHOOTING 11

| Symptom | | Possible Causes | | Corrective Actions |
|---|---|---|---|---|
| 1 | The ignitor is making a ticking sound, but the appliance won't light | A | There is no propane in the tank, or the NG main is not turned on | Refill propane cylinder or open the NG manual shut-off valve |
| | | B | The burner orifice or fitting openings are plugged | Check the burner orifice and fitting openings for blockages from debris, gas tape or pipe sealer |
| | | D | There is air in the supply line (new installs). | Depress the flame on/off switch and press again. It may take more attempts |
| 2 | The burner flame is too low or won't stay lit | A | The manual shutoff valve (on/off control knob) is not fully open | Check the position of the manual shut-off valve |
| | | B | The flame sensor or pilot may be blocked | Remove the ODS cover. Check for and clean any debris that has accumulated. |
| | | C | The gas pressure is too low | Have a gas technician do a pressure test on the supply line. If pressure is low, install a larger orifice. |
| | | D | An improper size orifice is installed | Replace it with the proper orifice. |
| 3 | The burner is emitting excessive smoke and/or soot | A | Poor fuel quality | Contact your gas supplier |
| | | B | There is too much media in the burner | Reduce the quantity |
| | | C | Improper air shutter setting (L.P. only) | Open the air shutter |
| 4 | The burner is putting out blue flames | A | This is a result of normal operation and flames will begin to yellow as unit is allowed to burn for 16-20 minutes | No action required |
| | | B | Improper air shutter setting (N.G. only) | Close the air shutter |
| 5 | There is a metallic noise | A | The noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the appliance | No action is required |
| 6 | The fire pebbles are cracking or splitting | A | Can be caused by excessive heat and/or moisture trapped inside | This is a property of fire pebbles and may happen occasionally. Do nothing. This is completely normal |

| | | | | |
|---|---|---|---|---|
| 7 | The ignitor does not spark or make a ticking sound | A | Batteries low, not installed or installed incorrectly (battery pack equipped models only) | Ensure that fresh batteries are installed correctly |
| | | B | Corrosion on battery contacts (battery equipped models only) | Check contact at the bottom of the battery cavity for corrosion. Clean with a small piece of sandpaper or a file |
| | | C | Battery pack not plugged in securely (battery equipped models only) | Make sure that the battery box's cable is plugged into the main control unit and fastened securely |
| | | D | Power supply is not plugged in (110v models only) | Plug-it in to a 110v power source |
| | | E | Wall switch or breaker is off | Turn it on or reset it |
| | | F | Control system fault | Call the service tech at (909) 631-7869 |
| 8 | The unit produces unwanted odors | A | There is a gas leak. | Immediately shut the appliance off and perform a leak test. Repair the leak before using the appliance |
| 9 | The burner is making a whistling noise | A | There is vibration caused by gas flowing through the stainless-steel flex pipes | Remove any tight bends or kinks in the flex-pipes and supply line |
| | | B | There is excessive natural gas pressure | Install a pressure regulator on the supply line |

NOTE: If you are unable to resolve any issues with use of the trouble shooting guide, call tech support at (909) 631-7869