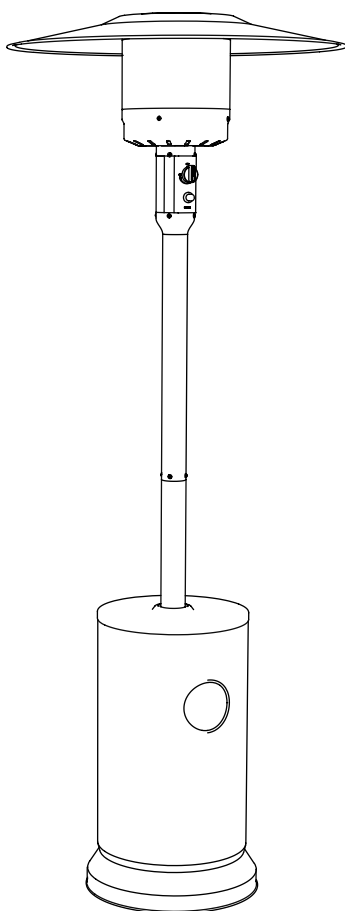


Patio Heater

Owner's Manual



IMPORTANT CAUTION

Please verify all parts and components present and check for any damaged pieces before assembly.

- Some parts may contain sharp edges and may cause injury or property damage. We recommend you wear protective gloves during assembly.
- If you are using power tools, please set the speed to the lowest setting possible to ensure there will be no damage to the parts.



IMPORTANT INFORMATION

DANGER

If there is any gas odor present:

- Shut off all gas valves immediately. Turn off the heater.
- Extinguish any open flames.
- If the odor continues, stay away from the appliance and immediately call your gas supplier or dial 911 to call the fire department.

CAREFUL

- **Please use it when the temperature is higher than 5 degrees**, if the temperature is too low, the propane gas will not be liquefied, and the heater will not work normally.
- **Please do not use it when the wind speed is higher than 3.2m/s**, otherwise it will cause the heater to turn off or be blown down.

CAUTION: CARBON MONOXIDE HAZARD

This appliance may produce an odorless carbon monoxide. Using this appliance in an enclosed space may cause injury, damage, or death. NEVER use this product in an enclosed space, such as a tent, car, or house.

WARNING

- Do not store or use any gasoline or other flammable vapors or liquids close to this appliance. All propane tanks not connected to the heater should be stored at a separate location.
- Improper installation, alteration, service, or maintenance may cause property damage, injury, or death. Please read the manual for installation, use, and maintenance instructions before assembly and operating this product. If instructions are not followed thoroughly, a fire or explosion may occur and result in property damage, injury, or death.

CONSUMER

Retain this manual for future reference.



SAFETY GUIDE

- The installation of this unit must adhere to local codes or Propane Storage and Handling Code, CSA B149.2.
- **THIS APPLIANCE IS INTENDED FOR OUTDOOR USE ONLY. Do not use this product in an enclosed space.**
- **ONLY use this appliance with a propane gas tank (sold separately).**
- **Do not use this heater with any natural gases.**
- Do not attach a remote gas supply to this unit.
- Converting this unit to natural gas is dangerous and not recommended. The conversion of this unit will void the manufacturer warranty.
- Do not use any solid fuel or charcoal for this unit.
- If the propane gas tank is leaking gas, you may hear, see, or smell a hiss. Do the following:
 - Disconnect the propane gas tank.
 - Do not attempt to fix the problem yourself.
 - Contact your gas supplier or fire department for help.
- Applying too much propane may result in gas pooling and will not burn. Allow fresh air into the unit so that the remaining gas may escape.

SAFETY GUIDE

- Do not attempt to use fire to check for gas leaks.
- Max. supply pressure is 11 WC.
- Recommended propane gas tank size is as follows – diameter: 12", height: 18", weight: 20 lbs.
- You must use a propane tank that has a collar to protect the gas valve.
- DO not fill tank over 80 percent full.
- The tank system must be set up for vapor withdrawal.
- Discontinue use if any part of the propane tank is damaged. Rust and dents may be hazardous and should be inspected by a gas supplier.
- Do not burn anything other than the provided materials for this patio heater.
- Do not operate unit until all parts are fully assembled.
- Do not paint or color any part of this heating unit.
- Do not attempt to move the appliance while in use. It is extremely hot.
- Never leave this heating unit unattended while in use.
- This unit is not intended for cooking.
- Keep any flammable items away.
- Keep a safe distance to avoid burning skin or clothing.
- Do not sit or rest hands or feet on this heating unit.
- Never place hands or fingers on upper portion of this unit while in use.
- Keep all electrical cords and fuel supply hose away from heated surfaces.
- Combustible material should not be within 48 inches of the top of the unit, or within 48 inches around the entire unit.
- Keep the appliance area clear and free from combustible material, gasoline and other flammable vapors and liquids.
- If the flame goes out while burning, turn the gas valve off. Wait 5 minutes before repeating the initial lighting procedure. Once you have a flame started, hold down the control knob for 1 minute.
- Never add water to the unit.
- If water gets into the appliance for any reason, please contact our customer service at Pamapic@hotmail.com to replace any damaged parts.
- Do not disconnect any part while unit is in use.
- Do not store a spare propane tank on or near this unit.
- If the heating unit is indoors, detach the propane tank and leave outdoors.

-
- Do not operate on a boat or vehicle. This unit must be used on a flat surface and outdoors ONLY.
 - Always remove protective cover before operating (if applicable).
 - Check for leaks after not using the unit for long periods of time.
 - Children should never operate this unit. Children must be supervised while near this unit.
 - Keep gas tank at least 5 feet away from unit when lit. (if external tank)
 - The maximum gas supply pressure is 250psi.
 - Inspect all elements of this heating unit before each use. If there is damage, the burner must be replaced.
 - High temperatures are extremely hazardous. Stay at least 6 ft away from the unit to prevent any burns, injury, or deaths.
 - The gas supply tank should be constructed and marked with the specifications for the LP gas tanks of the U.S. Department of Transportation or the National Standard of Canada CAN/CSA-B339, LP gas tanks, spheres and tubes for Transportation of Dangerous Goods; and Commission.
 - For appliances designed to use a CGA No. 791 Connection: "Place the dust cap on the cylinder valve outlet whenever the cylinder is not in use. Only install the type of dust cap on the cylinder valve that is provided with the cylinder valve. Other types of caps or plugs may result in leakage of propane".
 - This heating appliance should not be used on plastic or artificial wood decks.
 - Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.
 - Children and pets should stay away from the unit and carefully supervised when ignited.
 - Clothing or other flammable materials should not be hung from the appliance or placed on or near the appliance.
 - Any guard or other protective device removed for servicing the appliance shall be replaced prior to operating the appliance.

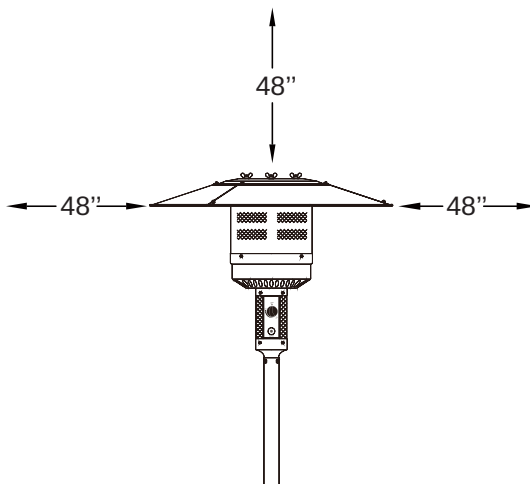
SAFETY GUIDE

- Be mindful to not block the flow of combustion and ventilated air. Proper ventilation allows for the appliance to burn effectively.
- Make sure the ventilation openings are free of debris.
- Visually checking burner flames, with pictorial representations.
- Clean all parts of the appliance with recommended cleaning agents, if needed.
- Lubrication of moving parts and the type and amount of lubricant to be used.
- When applicable, visually checking portions of the hose assembly located within the confines of the heater post.

NOTE: You must follow all steps to properly assemble this heating item. Make sure the gas valve is turned “OFF” before assembling. Do NOT attempt to assemble without proper tools.

BE CAREFUL

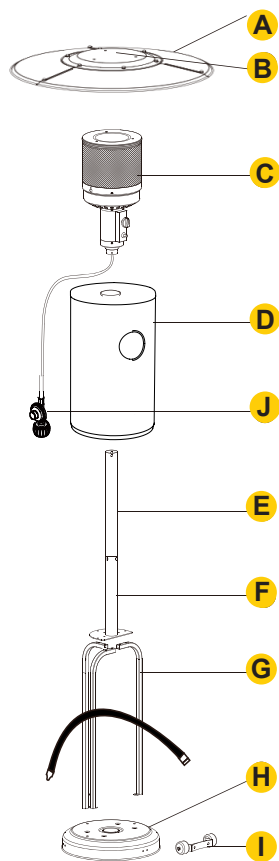
Any items stored above, next to, or under this heater may be subject to radiant heat and in result may be damaged. Combustible materials should not be within 48 inches of the product.



CARE AND MAINTENANCE

- Before any maintenance, always disconnect the propane gas tank.
- Ensure the heater is free from any debris or combustible materials.
- Use a soft brush to clean any mild stains, loose dirt, or soil only after the heater has completely cooled down. Wipe appliance with a soft cloth.
- Harsh weather conditions may result in stain, discoloration, or rust.
- Certain powders or solvents may cause permanent damage if used on the appliance.
- Store the heating unit away from direct sunlight.
- Indoor storage is only applicable if the cylinder is disconnected and removed from the product.
- Unapproved parts or accessories may result in product defect and will void the warranty of this appliance.
- Always place a protective cover on the appliance when not in use.

PARTS DIAGRAM



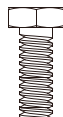
Item	Description	Qty
A	Reflector Panel	6
B	Center Reflector	1
C	Burner Assembly	1
D	Tank Housing	1
E	Upper Post	1
F	Lower Post	1
G	Support Bracket	3
H	Base	1
I	Wheel Assembly	1
J	Regulator	1

PARTS LIST



M8 Flange Nut
(packed with part I)

AA (X2)



Bolt M8x16
(2 pcs packed with part I)

BB (X3)



M6 Flange Nut

CC (X6)



Stainless Steel Bolt

DD (X4)



Bolt M6x30

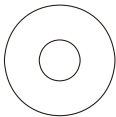
EE (X6)



Reflector Spacer

FF (X3)

PARTS LIST



Washer

GG (X9)



Post Bolt

HH (X4)



Screw M6x8

II (X9)



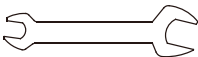
Cap Nut

JJ (X9)



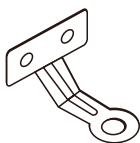
Wing Nut

KK (X3)



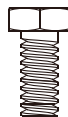
Wrench

LL (X1)



Anchoring Arm

MM (X3)



Bolt M6x10

NN (X6)



M6 Nut

oo (X6)

Before assembly, check and confirm all parts are present. Compare parts present with the content lists, including all hardware.

Estimated Assembly Time: 30 minutes

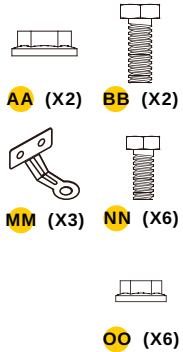
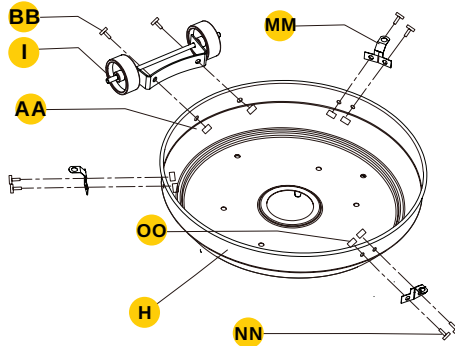
1

ASSEMBLY INSTRUCTIONS

Flip the base upside down with the hollow side facing up.

Attach the wheel assembly (I) to base (H) using 2 M8 flange nuts (AA) and 2 M8x16 bolts (BB). Then, connect the arm (MM) to the base (H) with 6 M6 nuts (OO) and 6 M6x10 bolts (NN).

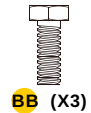
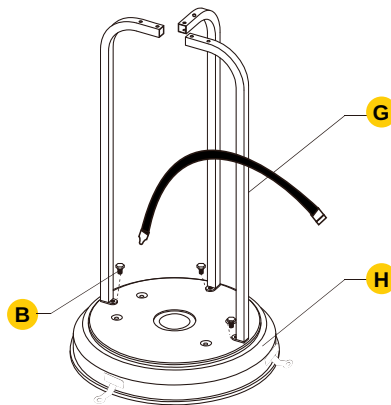
Ensure the wheel assembly is parallel to the base and secure bolts tightly.



2

Screw 3 support brackets to the base with 3 M8x16 bolts (BB).

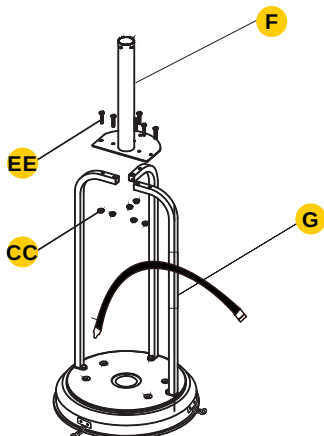
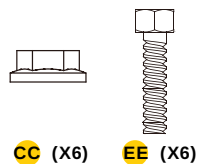
Note: Keep the bracket with the belt in the middle.



3

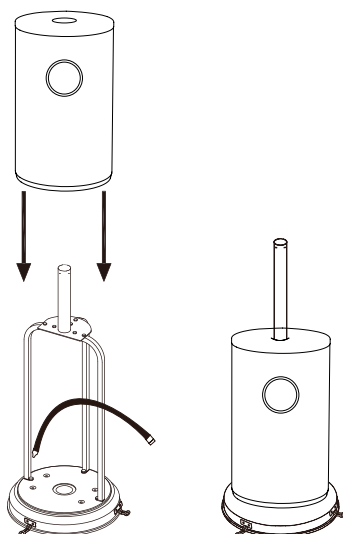
Attach lower post (F) to support brackets (G) using 6 pcs bolts M6x30 (EE) and 6pcs M6 flange nuts (CC).

Secure bolts tightly.



4

Place the tank housing on top of the post and slide the tank housing down towards the base.



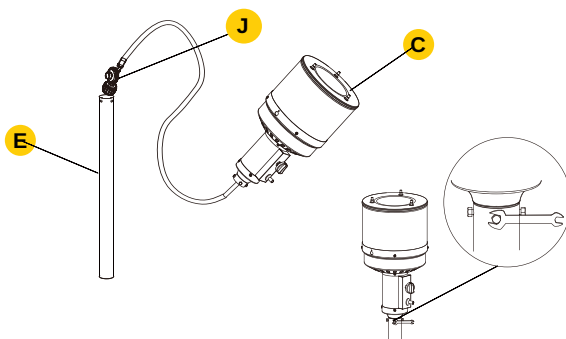
5

Insert the regulator (J) from the top end of the upper post (E), then attach the burner assembly (C) to upper post (E) using the 4 bolts (DD).

Secure bolts tightly.



DD (X4)



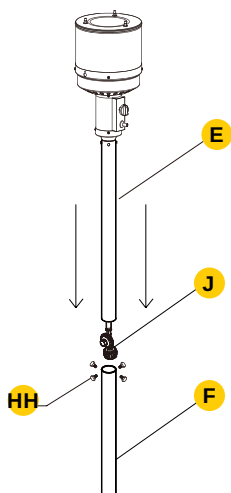
6

Insert the regulator (J) from the top end of the lower post (F).

Insert upper post (E) to lower post (F), then tighten 2 posts using the 4 bolts (HH).



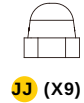
HH (X4)



7

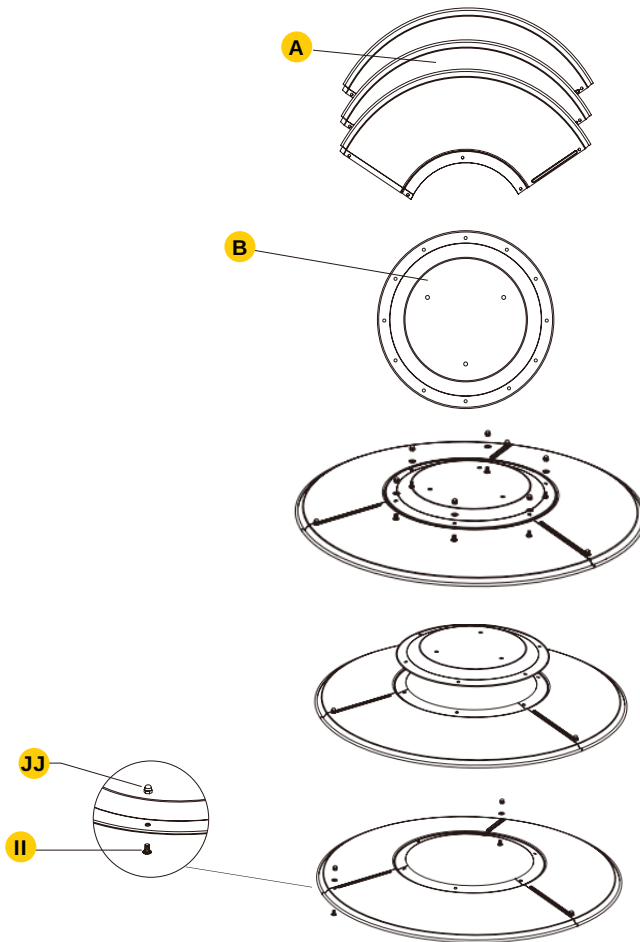
WARNING: Remove protective cover before assembling.

Note: If necessary for proper alignment of reflector sections, loosen each screw prior to further assembly and retighten after sections are aligned.



Attach 3 pcs reflector panels (A) to center reflector (B) using 9 pcs Screws M6x10 (II) and 9 pcs cap nuts (JJ).

Fully tighten all of the screws.



8

Attach 3 pcs reflector spacers (FF) and 3 pcs washers (GG) to burner assembly (C) firstly. Tighten the reflector spacers. Slide 3 pcs washers (GG) over threaded end of spacer.



FF (X3)

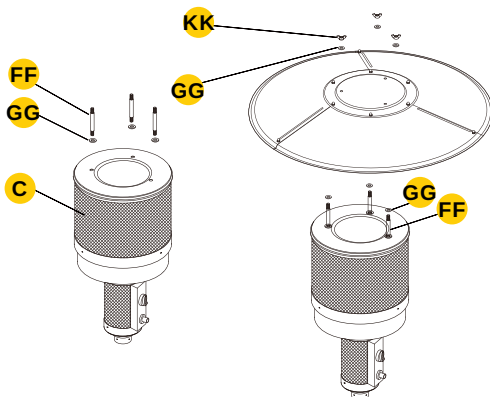


GG (X9)

Attach the reflector assembly to the top of reflector spacer (FF) using 3 pcs washers (GG) and 3 pcs wing nuts (KK).



KK (X3)

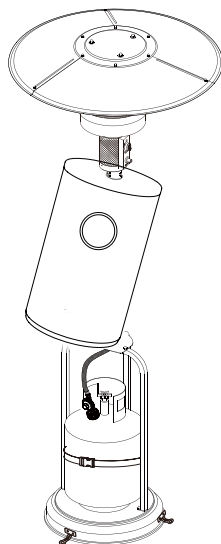


9

Place the propane gas tank (sold separately) on top of the base. The cylinder must have a listed overfilling prevention device. All cylinders must have a listed overfilling prevention device. The cylinder used must include a collar to protect the cylinder valve.

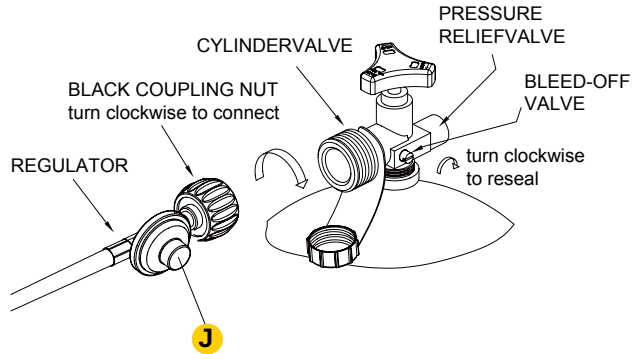
Never connect an unregulated propane cylinder to the heater. Attach the regulator to the cylinder to complete attachment.

Fix the gas cylinder with the belt.



10

Turn the cylinder valve on the tank clockwise to close the propane tank. Attach the regulator (J) to the cylinder valve by turning the regulator coupling nut clockwise. Make sure it is fastened securely and tighten connections by hand only.

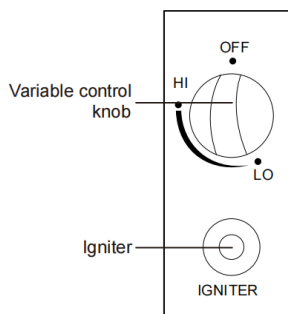


OPERATION

- Before performing a leak test, ensure that there are no open flames or flammable items nearby. Only move forward with the leak test in an open, spacious, outdoor area. Connect the propane tank to the regulator and turn the valve to the "OFF" position. Clean all connections with mild soap and water. If you smell gas or find a leak, ensure the gas valve is "OFF," disconnect the propane, and do not use the appliance until the leak is fixed.
- Do not use the heating unit without inspecting the gas hose. If there are signs of wear or abrasion you must replace the hose immediately (if applicable).

TO TURN THE HEATER ON

- Turn on the valve to the "ON" position on the gas supply cylinder for 3-5 seconds.
- Press and turn the variable control knob to the 'HI' position.
- While holding down the variable control knob, press the igniter button several times until the burner head flame ignites. Release the variable control knob 30 seconds after the ignition.
- If a new tank has just been connected, allow at least one minute or more for the air in the gas pipeline to purge out.
- The flame can be watched and checked from the viewing hole located on the base of the burner.
- Turn the variable control knob to the 'LO' position for 5 minutes or more before turning the knob to desired temperature setting. If a small flame is needed, turn the variable control knob to the 'LO' position.
- If the burner flame goes out accidentally or it is blown out by wind, turn off the heater and wait at least 5 minutes or more to let the gas dissipate before lighting again to avoid possible gas explosion. Repeat steps 2 through 3.



-
- When lit for the first time the heater may emit a slight odor and smoke. This is a normal and temporary condition. Emitter screen will become a bright red due to the heat. The color is more visible at night. Flame patterns should be a blue flame; these should not be yellow in color; indicating an obstruction of airflow through the burners.

TO TURN THE HEATER OFF

- Turn control knob clockwise to the "OFF" position.
- Close the cylinder valve on the propane gas tank if you don't intend to use it for a long time.
- Disconnect the propane gas tank before any maintenance or cleaning.
- Keep the heating item free and clear from combustible materials.
- Visually inspect burner for obstructions and keep tank enclosure free and clear from debris.
- Use a soft brush to get rid of the mild stains, loose dirt and soil after the burner is completely cooled down. Wipe down with a soft cloth.
- Harsh weather conditions may cause stubborn stains, discoloration and possibly rust pitting.
- Permanent damage may occur if powder or solvent comes in contact with painted or plastic components on this heating unit.
- Keep the heating unit stored away from direct sunlight.
- Storage of an appliance indoors is permissible only if the cylinder is disconnected and removed from the appliance.
- Not using manufacturer approved or supplied parts/accessories may result in a defective condition and void the warranty of this heating unit.
- Always place lid (if applicable) or protective cover on heating item when not in use.

TROUBLESHOOTING

Problem	Cause	Solution
The burner will not light.	The burner injector is clogged.	Clean the burner injector.
	There is low gas supply pressure.C	all your gas supplier.
The burner flame goes off immediately after ignition.	There is low gas pressure.C	all your gas supplier.
The ignition is delayed.	The main burner carryover ports are clogged.	Clean the main burner ports.
	There is low gas pressure.C	all your gas supplier.
The combustion on the burner is inadequate.	There is not enough air.	Check the air passageways and burners for dirt and debris, and clean with compressed air.
The burner flame is low.	The supply hose is bent or twisted.	Straighten the hose and perform a leak test.
	There is blockage in the burner injector.	Clean or replace the burner injector.
The emitter glows uneven.	There is blockage in the burner injector.	Clean or replace the burner injector.
	The base is not on a level surface.	Place the heater on a level surface.
	The gas pressure is low.	Replace the cylinder with a new cylinder.
There is slight smoke and odor during initial operation.	This is residue from the manufacturing process.	This will stop after approximately 30 minutes of operation.
There is thick black smoke.	There is blockage in the burner.T	urn off the heater and let it cool. Remove the blockage and clean the inside and outside of the burner.
The heater produces a whistling noise when the burner is lit.	Air passageways are blocked.	Check the minimum installation clearances and air passageways for debris.
	There is air in the gas line.	Operate the burner until the air is completely purged.
The heater produces a clicking noise just after the burner is lit or turned off.	The metal is expanding and contracting.	This is common with heaters. If noise is excessive, contact a qualified service person.
There is a gas odor even when the control knob is in the OFF position.	There is a gas leak.	Locate and correct the leak immediately.
	The gas control is defective.	Replace the gas control.
There is a gas odor during combustion.	There is foreign matter in the gas or on the burner ports.	Check the gas passageway and burner.
	The heater is burning vapors from paint or impurities in the air.	Stop storing and using odor causing products near the heater.
	There is gas leaking from the regulator and hose connection, the valve and pipe connections, and the pipes.	Locate and correct the leaks, or contact your gas supplier.
There is carbon build-up.	There is dirt or film on the reflector and flame screen.	Clean the reflector and flame screen.