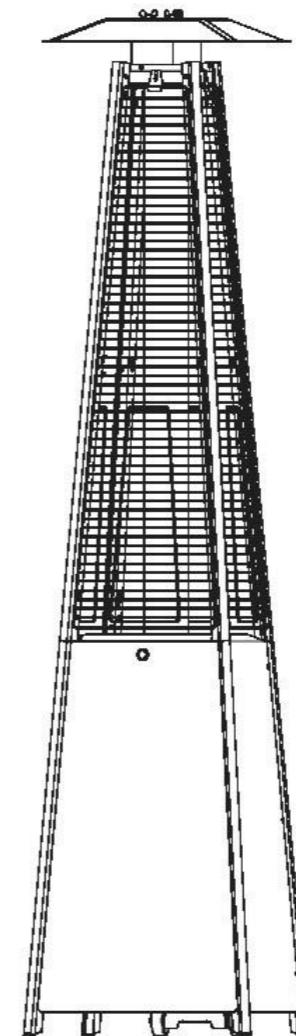




**PYRAMID PATIO HEATER**  
**User's manual**



**⚠ WARNING**

**PLEASE READ THE FOLLOWING SAFETY  
ADVICE PRIOR TO THE OPERATION OF THIS  
HEATER**

**If you smell gas:**

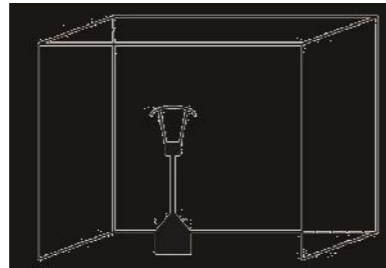
1. Switch off the gas regulator.
2. Extinguish any open flame.
3. If the smell continues immediately call your gas supplier or your fire department.
4. Do not store or use flammable liquids in the vicinity of this heater.
5. Any gas cylinders not connected for use shall not be stored in the vicinity of this heater.

**⚠ WARNING**

For use outdoors or in areas that have ample ventilation.

An amply ventilated area must have a minimum of 25 % of the surface area open.

The surface area is the sum of the walls surface.



**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.**

**⚠ WARNING**

**Read all of these instructions before  
installation and use.**

- This appliance must be installed and the gas cylinder stored in accordance with LPG storage regulations.
- Do not obstruct the ventilation holes of the cylinder housing
- Do not move the heater when in operation.
- Switch off the gas regulator before moving the heater
- The rubber hose should be inspected and changed on a yearly basis.
- This heater is designed to be used with 11kg or 13kg patio/leisure propane gas cylinders

# TABLE OF CONTENTS

## SAFETY PRECAUTIONS

Safety Precautions ..... 4      Read the instructions before using this appliance. The appliance must be installed in Heater Stand and Location  
 ..... 6      accordance with the instructions.

Gas Requirements ..... 6

Leak Test ..... 7 damage.  
 Operation and Storage ..... 8

Cleaning and Care ..... 9 boats. Installation and repair should be done by a  
 Parts and Specifications ..... 9

Construction and Characteristics ..... 10 damage.  
 Specification ..... 10

Assembly Parts ..... 11

Assembly Procedure..... 13 suggested replacement.

Troubleshooting ..... 18

- Do not use this patio heater indoors, as it may cause personal injury or property damage.
  - This outdoor heater is not intended to be installed on recreational vehicles and/or boats. Installation and repair should be done by a qualified service person.
  - Improper installation, adjustment, alteration can cause personal injury or property damage.
  - Do not attempt to alter the unit in any manner.
  - Never replace or substitute the regulator with any regulator other than the factory-suggested replacement.
- Do not store or use gasoline or other flammable vapors or liquids in the heater unit.

or damage before use, and at least annually.

All leak tests should be done with a soapy water solution to check for leaks. Do not use the heater until it has been tested.

Turn off the gas valve immediately if smell of gas is detected. Turn Valve OFF. If leak is at Hose/ Regulator, disconnect, reconnect, and perform another leak test. If bubbles continue to hose's place of purchase. If leak is at Regulator, disconnect, reconnect, and perform another leak test. If bubbles continue to see bubbles after several attempts, cylinder should be returned to cylinder's place of purchase.

Do not transport heater while it's operating.

Do not move the heater after it has been used. Allow heater to cool down. Keep the ventilation opening clear of debris.

Do not paint the radiant screen, control panel, burner, or control compartment. Control compartment, burner and circulation fan must be kept clean. Frequent cleaning recommended.

The LP tank should be turned off when not in use. Turn off heater immediately if any of the following conditions occur:

- 
-

The gas regulator/hose assembly must be located out of pathways where people may trip over it or in areas where the hose

- burner is extinguished).
- will not be subject to accidental damage.
- replaced before operating the heater. Adults and children should stay away from high temperature ignition.

The whole gas system, hose, regulator, pilot or burner should be inspected for leaks

- Children should be carefully supervised when they are in the area of the heater.
- 

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

1. The
2. The burner makes a popping noise during us
3. Smell of gas in conjunction with extreme

Any guard or other protective device removed v

ignition.

- The gas cylinder should only be changed in a ventilated area, away from sources of ignition (candles, cigarettes, and other flame producing appliances)
- Do not obstruct the ventilation holes of the cylinder housing
- Switch off the gas tap after use when using red propane cylinders.
- Switch off the regulator after use when using green propane cylinders. In the event of gas leak, the appliance shall not be used or if alight, the gas regulator should be turned off immediately and the appliance should be inspected thoroughly before it is used again.
- Inspect the gas hose before every use. If it shows signs of cracking, splitting or other deterioration it should be replaced with new hose of the same length and of the equivalent quality.
- The use of this appliance in enclosed areas can be dangerous and is **PROHIBITED**.
- For connection of hose and regulator, and connection of regulator and hose, please refer to the photos shown below.



To assist connecting the regulator, carefully place the rubber hose into an insulated cup of boiling hot water. This allows the rubber hose to expand and allow the regulator to be connected easily. After connecting the regulator, tighten the hose clip with a screwdriver.

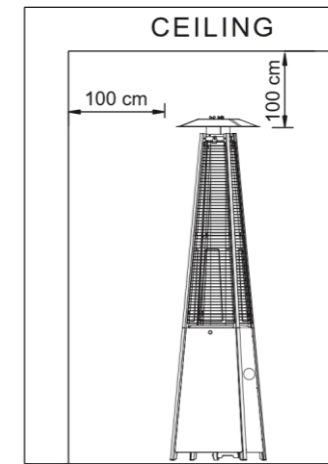
- This product contains small batteries. Swallowed small batteries can cause **CHOKING HAZARD**. Seek immediate medical attention if batteries are swallowed or inhaled. Keep children away from the small batteries.

## HEATER STAND AND LOCATION

- The heater is primarily for outdoor use only. Always ensure that adequate fresh air ventilation is provided.
- 

5

Always maintain proper clearance to non protected combustible materials i.e. top 100 cm and sides 100 cm minimum.



- Heater must be placed on level firm ground.
- Never operate heater in an explosive atmosphere like in areas where gasoline or other flammable liquids or vapors are stored.
- To protect heater from strong wind, anchor the base securely to the ground with screws.

## Gas Requirements

- This heater is primarily designed to be used with propane gas.
- Butane gas may also be used with the appropriate regulator however butane freezes at zero degrees so will not be ideal to be used during cold temperatures. A dented, rusted or damaged cylinder may be hazardous and should be checked by your gas supplier before being used with this heater.
- Never connect an unregulated cylinder to the heater.

## Leak Test

Gas hose connections on the heater are leak tested at the factory prior to shipment. A complete gas leak check must be performed at the installation site due to possible mishandling during the transit process.



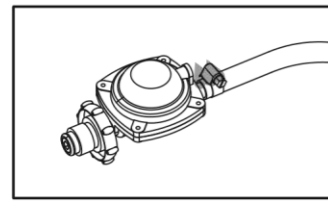
Leak testing: Do not smoke while performing this test, and remove all sources of ignition.

A full gas cylinder is required. This test must be done before initial use, annually and

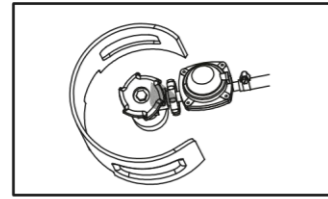
6

whenever any gas Components are replaced or serviced.

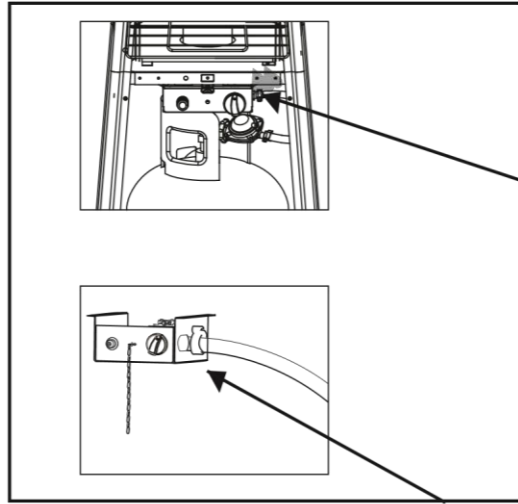
1. Mix a solution of water and washing up liquid, then pour onto the connection between the joints and connections of the regulator, hose, manifolds and valves. See Leak Testing Diagram below for areas to check. Turn all burner controls to the off position. Turn the gas regulator ON.



Hose / Regulator connection



Regulator / Cylinder connection

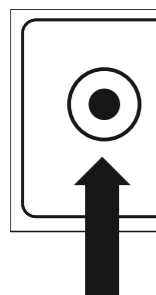


- **If no bubbles are present** - This indicates the connection is leak safe.
- **If bubbles are present** – Tighten the hose clip further and retest for leaks. If bubbles continue to appear – **please contact your gas supplier or heater distributor**

2. If the leak cannot be stopped, immediately shut off the gas supply and disconnect it.
3. Do not use the patio heater until the leak has been corrected.

7

## OPERATION AND STORAGE



Ignition

Off: the heater stop work  
Hi: maximum temperature position  
Lo: minimum temperature position

### TO TURN THE HEATER ON

**WARNING:** Please ensure the glass tube has not been damaged before operation

1. Ensure the variable control knob is at the OFF position

2. Connect the gas regulator to a compatible gas cylinder
3. Push and turn the variable control knob to the "Pilot " position and hold for 60 seconds. Whilst still holding the control knob down, press the ignition button. A pilot flame should appear.
4. Once the blue pilot flame stays alight constantly, let go of the variable knob.
5. Turn the variable control knob to the desired temperature position – Lo to Hi

### IMPORTANT NOTE

- When lighting the heater for the first time or a new cylinder is connected, the air inside the hose must be purged. This process will take a few minutes as liquefied petroleum gas is heavier than air
- As a result the variable control knob should be pressed down at the Pilot position for 3 Minutes instead of the normal 60 second period
- This ensures the gas purges the air in the hose and passes from the cylinder through to the main burner

### TO TURN THE HEATER OFF

1. Turn the variable control to the PILOT position
2. Push and turn the variable control knob to the OFF position
3. Turn the regulator connected to the gas cylinder to the OFF position

### STORAGE

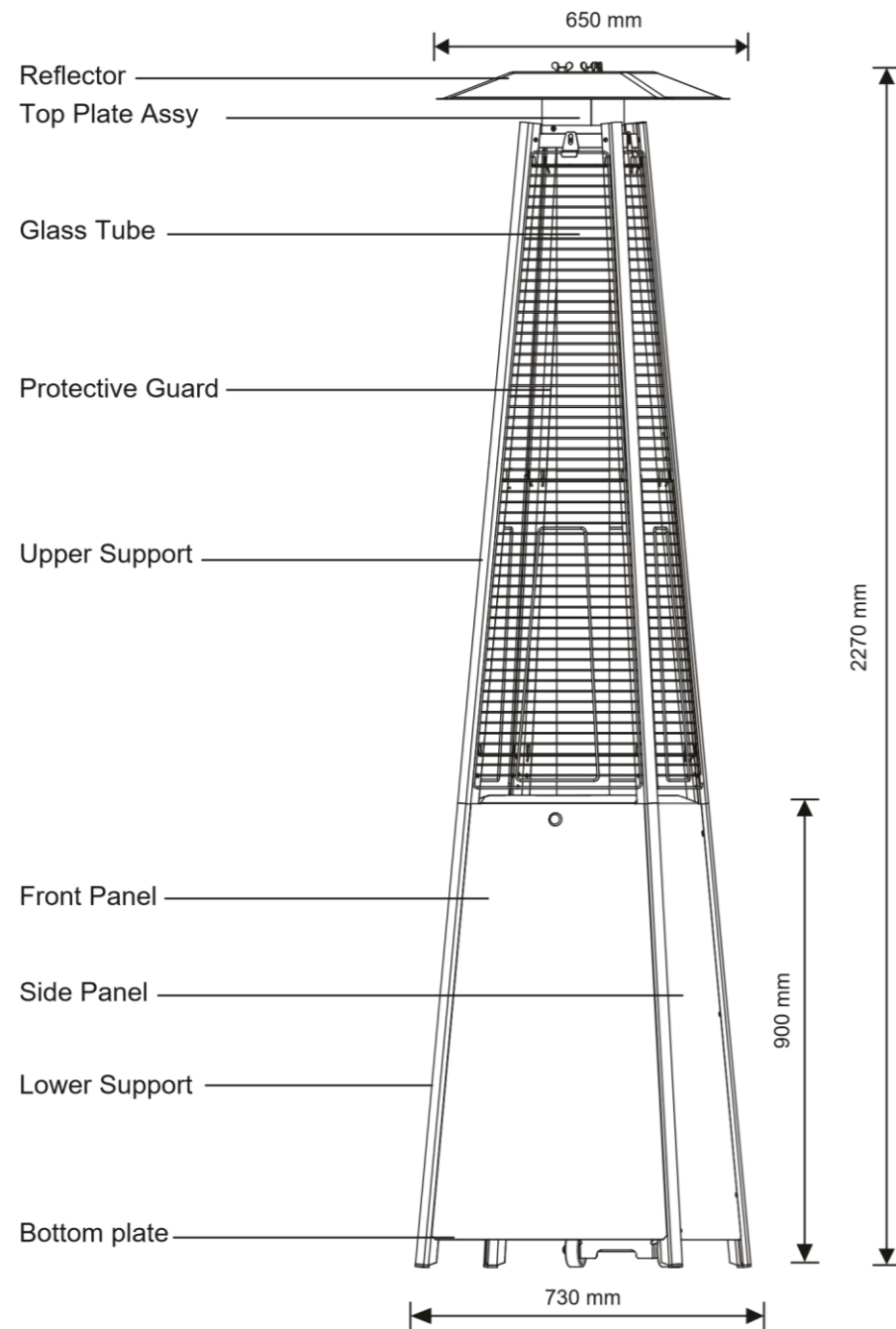
- Always turn the regulator connected to gas cylinder OFF after use.
- Disconnect the regulator from the cylinder if the heater is not in use.
- Never store the gas cylinder indoors or without adequate air ventilation.

8

## CLEANING AND CARE

- Wipe off surfaces with soft, moist cloth. Do not clean the heater with cleaning products that are combustible or corrosive.
- Remove debris and insects from the burner periodically to keep it clean and safe for use.
- Cover the burner unit with the optional protective cover when the heater is not in use.

# PARTS AND SPECIFICATION



- Max. wattage: 13kw
- Min. wattage: 5kw

## Gas Consumption

APPLIANCE CATEGORY:	I 3+(28-30/37)		I3B/P(30)	I3B/P(50)	I3B/P(37)
TYPES OF GAS:	Butane	Propane	Butane, propane or their mixtures	Butane, propane or their mixtures	Butane, propane or their mixtures
GAS PRESSURE:	28-30mbar	37 mbar	30 mbar	50mbar	37mbar
OUTLET PRESSURE OF REGULATOR:	30mbar	37 mbar	30 mbar	50mbar	37mbar

Use the correct regulator according to outlet pressure of regulator as showed in the table above.

## Injector Information

APPLIANCE CATEGORY:	I 3+(28-30/37)		I3B/P(30)	I3B/P(50)	I3B/P(37)
TYPES OF GAS:	Butane	Propane	Butane, propane or their mixtures	Butane, propane or their mixtures	Butane, propane or their mixtures
GAS PRESSURE:	28-30mbar	37 mbar	30 mbar	50mbar	37mbar
TOTAL HEAT INPUT (Hs): (Qn)	13kW (945g/h)				
INJECTOR SIZE:	1.88 mm for main burner 1.55 mm for main pilot burner		1.65 mm for main burner 0.18 mm for pilot burner	0.18 mm for main burner 0.18 mm for pilot burner	0.18 mm for main burner 0.18 mm for pilot burner
The marking, for example, 1.88 on the injector, indicates that the size of injector is 1.88mm					

- The hose and regulator assembly must conform to adequate standards.
- Regulator outlet pressure should meet the corresponding appliance category in the Specification section above. The appliance requires approved hose with a minimum length of 0.5 m.

# CONSTRUCTION AND CHARACTERISTICS

9

- Transportable terrace/garden heater with cylinder housing.
- Constructed with aluminium, powder coated and stainless steel
- Heat is emitted upwards through the glass tube and distributed via the top reflector.

# SPECIFICATIONS

- This heater is best used with propane gas

10

# ASSEMBLY PARTS

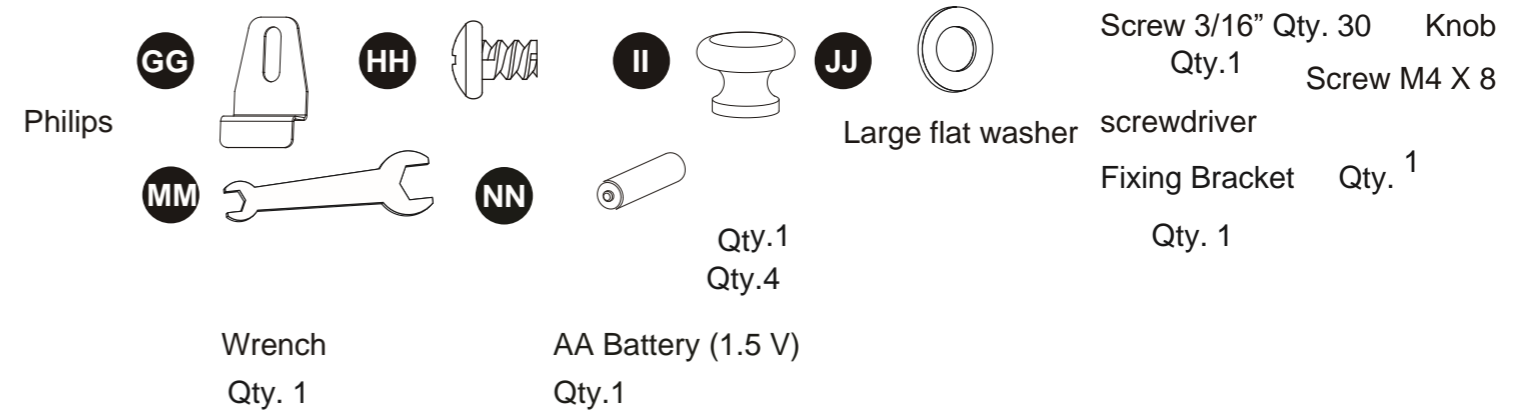
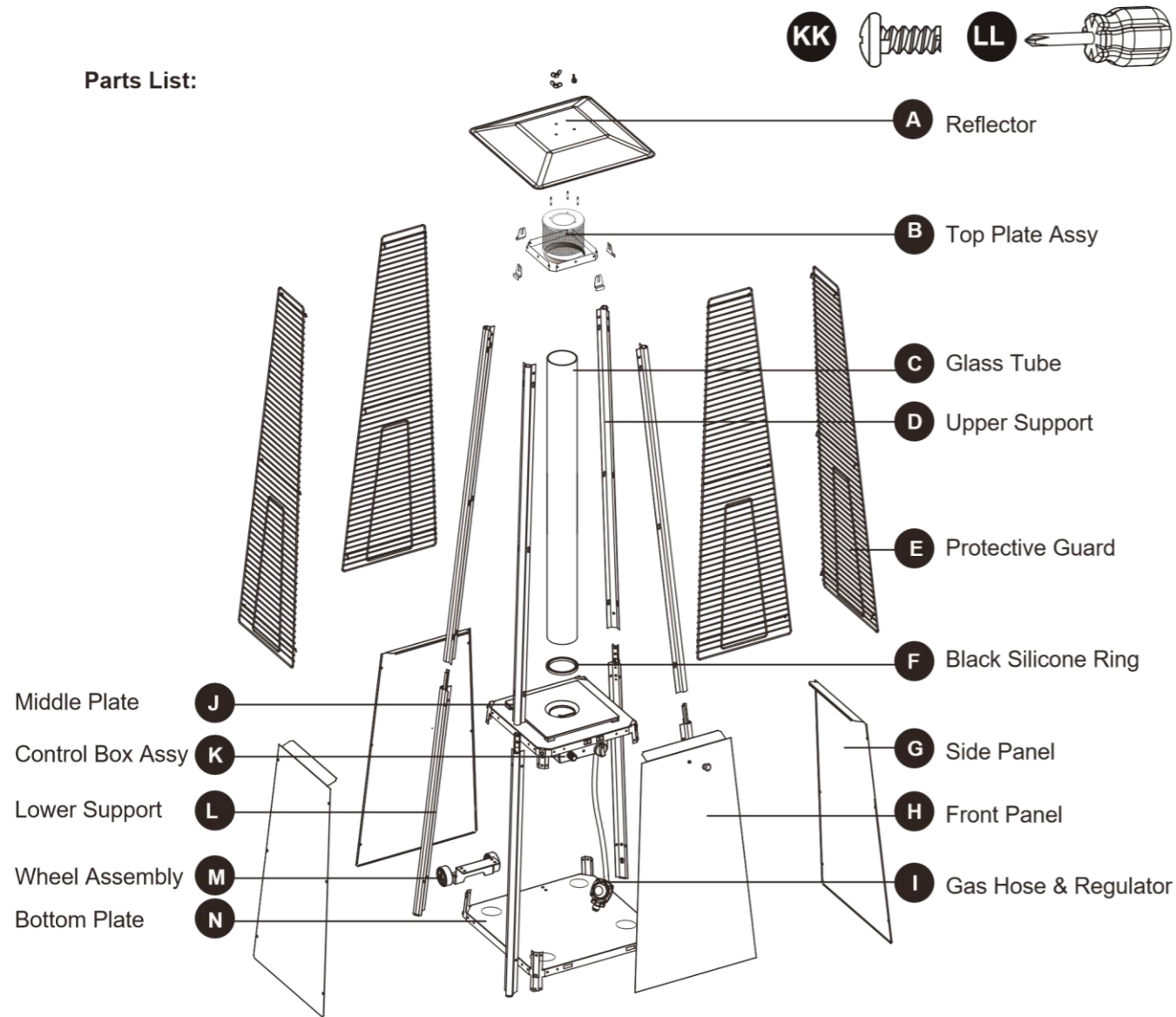
Tools needed:

- Philips screwdriver w/ medium blade
  - Spray bottle of soap solution for leakage test
- Hardware Contents**

<b>AA</b>	<b>BB</b>	<b>CC</b>	<b>DD</b>	<b>EE</b>	<b>FF</b>
Bolt M6x10 washer	M6 nut	Screw M5x10	Stud	Wing nut	Flat
Qty. 4	Qty.4	Qty. 16	Qty. 3	Qty. 3	Qty. 6



**Parts List:**



PART	DESCRIPTION	QUANTITY
A	Reflector	1
B	Top Plate Assy	1
C	Glass Tube	1
D	Upper Support	4
E	Protective Guard	4
F	Black Silicone Ring	1
G	Side Panel	3
H	Front Panel	1
I	Gas Hose & Regulator	1
J	Middle Plate	1
K	Control Box Assy	1

PART	DESCRIPTION	QUANTITY
L	Lower Support	4
M	Wheel Assembly	1
N	Bottom Plate	1

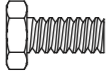

# Assembly Procedure

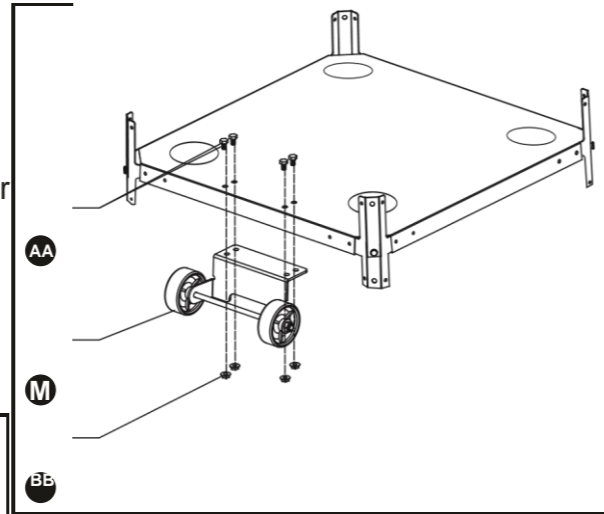
**1**



1. Assemble the wheel assembly (M) to the  
3. Insert upper support (D) to lower

(AA) and 4pcs M6 nut (BB).  
Assemble top plate assy (B) to upper

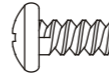

- AA** Bolt M6x10  x 4
- BB** M6 nut  x 4

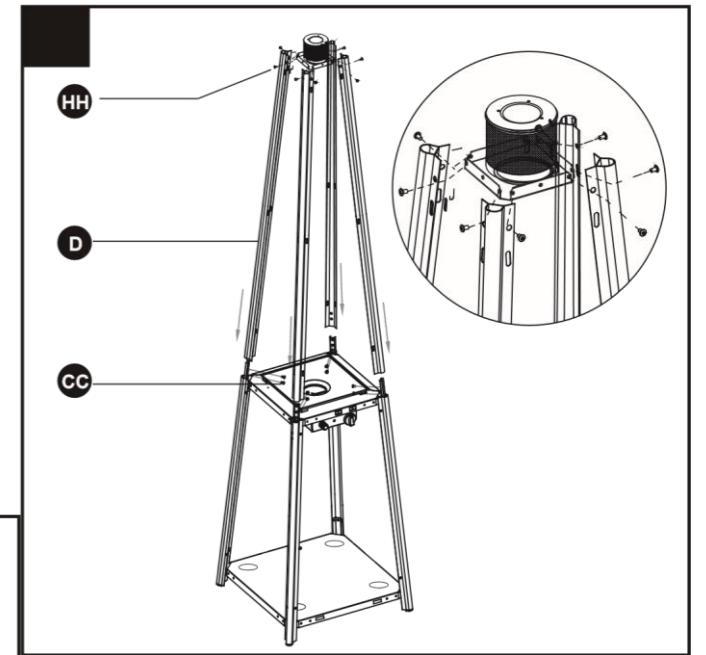


support bottom plate (N) using 4pcs bolt M6x10  
(L) using 8pcs screw M5x10.

support (D) using 8pcs screw 3/16". **Hardware Used**

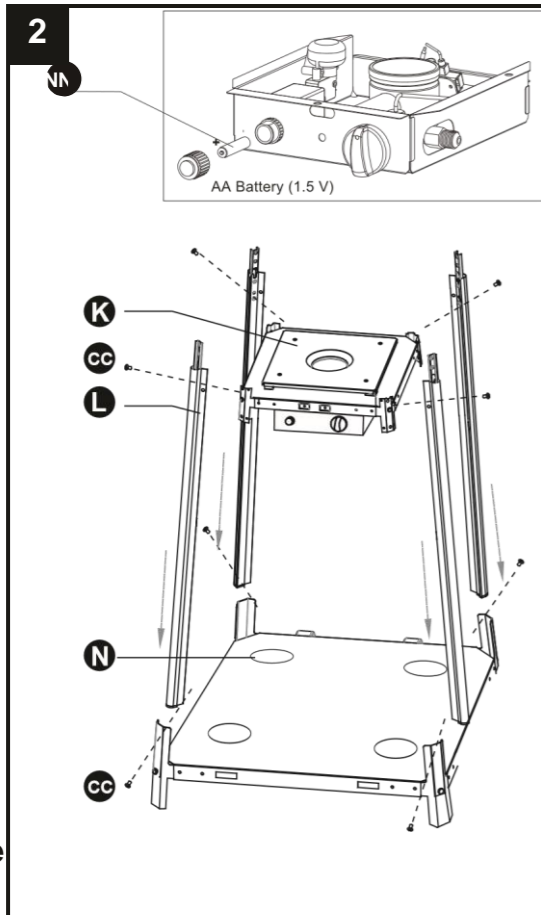
**Hardware Used**

- CC** screw M5x10  x 8
- HH** Screw 3/16"  x 8



Unscrew  
tighten

2-2.  
pins of  
plate (N)  
3pcs stud  
plate  
(B), put  
pins.  
put the  
Insert the  
support  
box assy.



**Hardware**

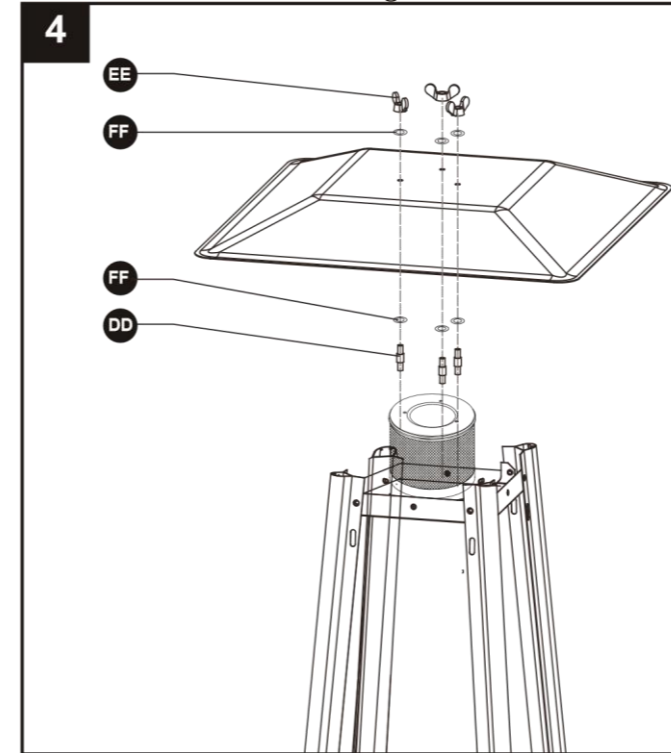
2-1.  
the ignition, load small battery,  
the ignition.4. Assemble the reflector (A) onto the top  
plate assy (B).

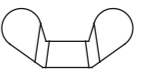
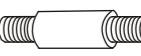

Insert the  
the bottom  
to the Screw  
(DD) on the  
holes of lower support (L), press to secure the assy  
3pcs flat washer (FF) onto the  
using 4pcs screw M5x10 to secure the top of stud  
reflector on bottom plate and lower support.the the  
pins of the control box assy (K) to the flat washer (FF)  
(L), press to secure the pins. using 4pcs screw M5x10

**UsedHardware Used**

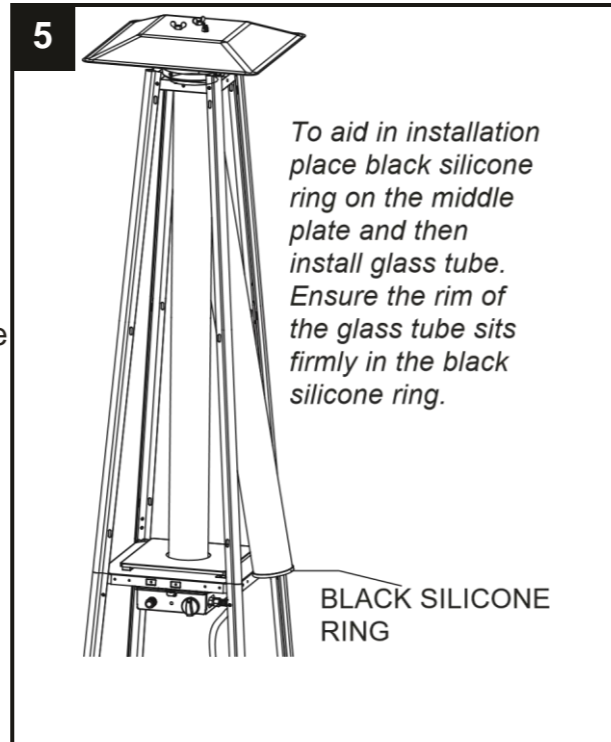
**ATTENTION:**

Ensure control box and front panel are on opposite side to wheels.



- EE** Wing nut  x 3 the
  - DD** Stud  x 3 top
  - FF** Flat washer  x 6 (DD), then
- stud (DD), secure them with 3pcs  
and 3pcs wing nut (EE). holes of lower  
to secure the lower support and control



5. Carefully install the glass tube (C) by lifting up and inserting through the center hole in the top plate assy (B). Ensure the black silicone ring (F) is attached to the lower edge of the glass tube (C) as illustrated. Slide the glass tube (C) through the hole of the lower plate cover and onto the middle plate (J). Check and ensure that the glass tube (C) is positioned properly and is completely covering the center hole of the middle plate(J).

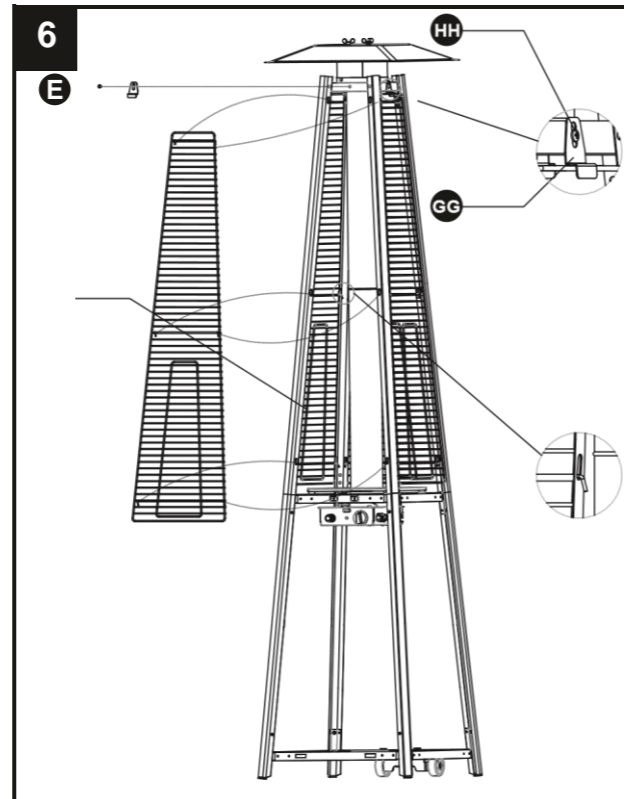


**WARNING! The black silicone ring must be in place prior to operating the heater.**

6. Assembly the protective guard (E). Hang the hooks of the protective guard (E) onto the holes in supports. Secure the protective guards (E) with fixing brackets (GG) with 4pcs screw Screw 3/16" (HH).

**Hardware Used**

- HH** Screw 3/16"  x 4
- GG** Fixing Bracket  x 4

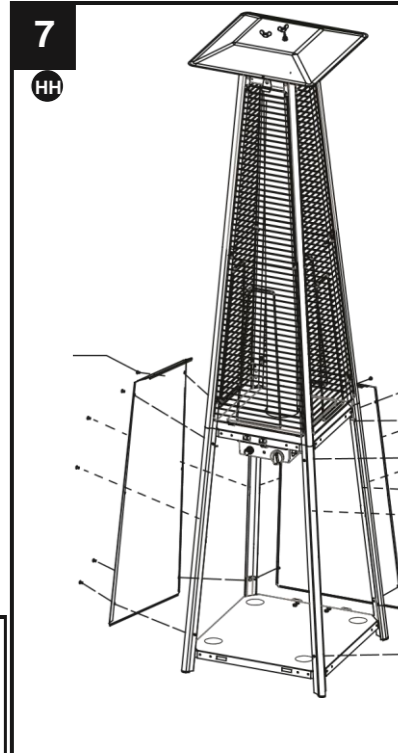


7. Assemble three side panels (G) to heater using 18pcs screw 3/16".

**Attention:**




Do not cover the front side where the control knob is.

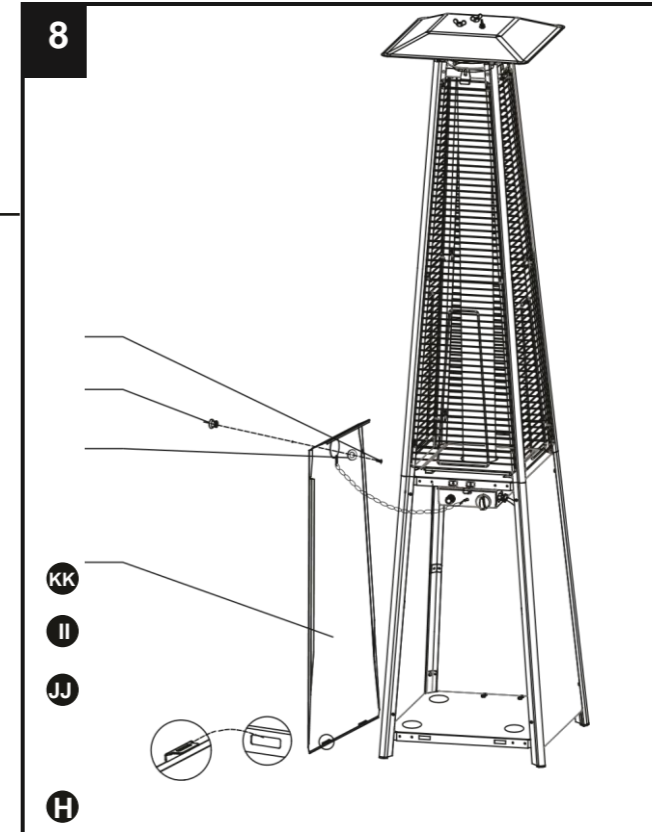
- HH** Screw 3/16"  x 18
- Hardware Used**



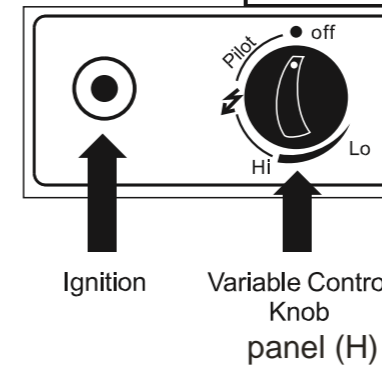
holes of bottom plate (N).

**Hardware Used**

- II** Knob  x 1
- KK** Screw M4 X 8  x 1
- JJ** Large flat washer  x 1



8. Install the knob (II) to screw M4x8 (KK) and large flat washer (JJ). Put the pothook of front

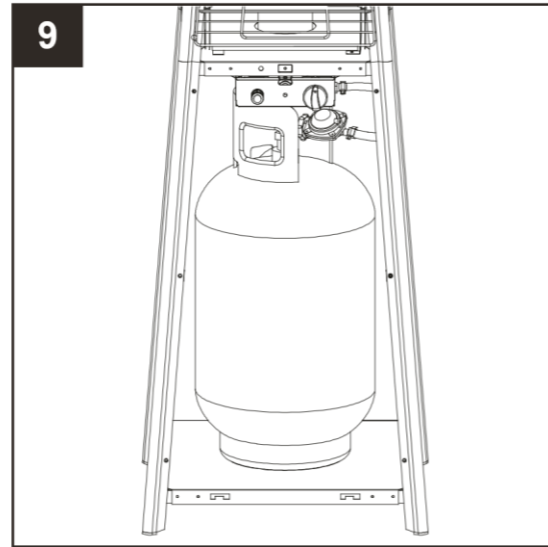


Ignition Variable Control Knob panel (H) to the

**ATTENTION:** Please unscrew Igniton to put in battery.

9. Propane Only-Proper Hose Connection.

**WARNING!** Ensure the hose does not contact any high temperature surfaces, or it may melt and leak causing a fire.



10. Leak Check.



**WARNING!** A leak test must be performed annually and each time a cylinder is hooked up or if a part of the gas system is replaced.



**WARNING!** Never use an open flame to check for gas leaks. Be certain no sparks or open flames are in the area while you check for leaks. Sparks or open flames will result in a fire or explosion, damage to property, serious bodily injury, or death.



**Leak testing:** This must be done before initial use, annually, and whenever any gas components are replaced or serviced. Do not smoke while performing this test, and remove all sources of ignition. See Leak Testing Diagram for areas to check. Turn all burner controls to the off position. Turn gas supply valve on.

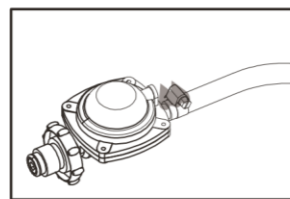


Brush a half-and-half solution of liquid soap and water onto all joints and connections of the regulator, hose, manifolds and valves.

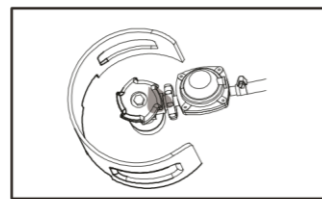


Bubbles will indicate a gas leak. Either tighten the loose joint or have the part replaced with one recommended by the Customer Care department and have the patio heater inspected by a certified gas installer.

If the leak cannot be stopped, **immediately shut off the gas supply**, disconnect it, and have the patio heater inspected by a certified gas installer or dealer. Do not use the patio heater until the leak has been corrected.



Hose / Regulator connection



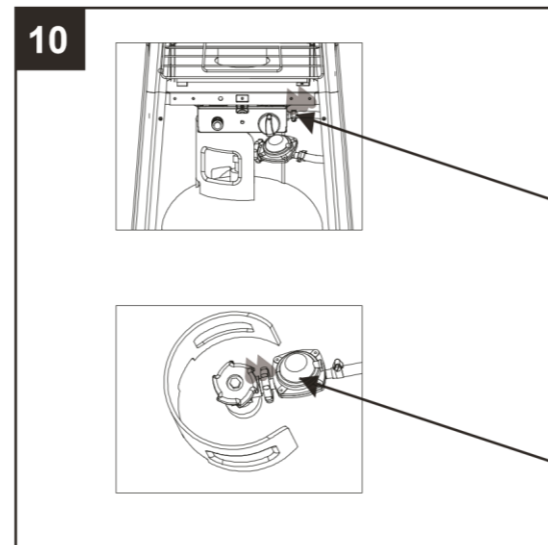
Regulator / Cylinder connection

## LEAK TEST

Please ensure you follow the procedure on page 7 before operating the heater.

## TROUBLESHOOTING

Problem	Probable Cause	Suggested Solution
	Gas regulator may be OFF	Turn the regulator ON
	Gas cylinder empty	Replace with full cylinder
	<b>Pilot will not light</b>	
	Opening blocked	Clean or replace opening
Air in supply system	Purge air from lines	Check all fittings
	Loose connections	Tighten connections
	Debris around pilot	Clean dirty area
	Thermocouple faulty	Replace thermocouple <b>on</b>
	Reconnect/replace anti tilt switch	Gas leak in line
	Lack of fuel pressure	Tank near empty. Refill LPG tank.
	Pressure is low	Cylinder is almost empty. Replace with full cylinder
	Opening blocked	Remove and clean
<b>Burner will not</b>	Control not ON	Turn valve to ON <b>light</b>
	Thermocouple faulty	Replace thermocouple
	Pilot light assembly bent	Place pilot properly
	Not in correct location	Position properly and retry



If you have any other issues, please contact your supplier or distributor. Please do not attempt to modify the heater in any way or form.