LAVA HEAT ITALIA

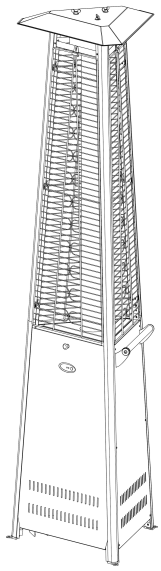
THE 2G

POSITANO FLAME TOWER COLLECTION · LHI-2G

OWNER'S MANUAL

SHIPS FULLY ASSEMBLED

OUTDOOR PATIO HEATER · LIQUID PROPANE



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.

EST. 2001 · LOS ANGELES

WELCOME

Thank you for choosing Lava Heat Italia.

Our founder discovered the original flame tower in Italy and brought it to America, selling the first one door to door to restaurants in Beverly Hills. That heater became a collection, and the collection became a company specified today by Forbes Five-Star hotels, Michelin-starred restaurants, and hospitality groups in more than fifty countries.

We have never been content to import what already exists. Every heater we build is designed here and engineered to be measured — which is why we publish TruBTU™, our own verification standard for what a heater actually delivers at distance, rather than the theoretical output printed on a specification sheet.

The 2G is the flagship of the Positano collection. It arrives fully assembled; the pages that follow cover unpacking, first setup, safe operation and care. Please read this manual before you begin, and keep it for reference.

LAVA HEAT ITALIA

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. A propane cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

WARNING

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

WARNING: FOR OUTDOOR USE ONLY

CSA/ANSI Z83.26:20 · CSA 2.37:20 — GAS-FIRED OUTDOOR INFRARED PATIO HEATERS · FILE NO. 220535

SPECIFICATIONS

Model	**The 2G (LHI-2G)**
Input rating	**42,000 BTU/hr**
Heat radius / coverage	**8 ft · approx. 201 sq ft**
TruBTU™ comfort zone, 50°F evening	**77° at 3 ft · 67° at 5 ft · 60° at 8 ft**
Fuel	**Liquid propane**
Ignition	**Digital one-touch, five-stage Clima-Comfort by wireless remote**
Run time	**Approx. 12 hours per 20 lb cylinder**
Dimensions	**24.4 × 24.4 × 91.6 in**
Weight	**62 lb**
Materials	**430-grade stainless emitter · 304-grade stainless panels · marine-grade 6061-T6 aluminum · borosilicate glass**
Certification	**CSA certified · 500-hour ASTM B117 salt-spray tested**
Inlet supply pressure	**5 psi min · 250 psi max**
Minimum clearances	**36" from the sides · 24" from the top**
Packaged	**25.6 × 25.6 × 92.1 in · 79 lb gross**
Factory model	**GTH-A-XX**

SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate or install the product. Keep this manual for future reference and to educate new users of this product. This manual should be read in conjunction with the labeling on the product. Safety precautions are essential when any mechanical or propane-fueled equipment is involved, and are necessary when using, storing and servicing.

Installation of this appliance at altitudes above 2000 ft (610 m) shall be in accordance with local codes, or in the absence of local codes, ANSI Z223.1/NFPA 54 or CSA B149.1.

If no local codes exist, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54. In Canada, installation must conform to local codes, or in their absence CAN/CGA-B149.2.

DANGER — CARBON MONOXIDE HAZARD

This heater is a combustion appliance. All combustion appliances produce carbon monoxide during combustion. Used and maintained in accordance with all warnings and instructions, this product produces extremely minute, non-hazardous amounts. Do not block air flow into or out of the heater. Carbon monoxide poisoning produces flu-like symptoms, watery eyes, headaches, dizziness, fatigue and possibly death. You cannot see it and you cannot smell it. If these symptoms are present during operation, get fresh air immediately. For outdoor use only.

DANGER — EXPLOSION AND FIRE HAZARD

Keep solid combustibles such as building materials, paper or cardboard a safe distance from the heater. Provide adequate clearances around air openings into the combustion chamber. Never use the heater in spaces which contain volatile or airborne combustibles. Minimum clearances from combustible materials: 36" (91 cm) from the sides and 24" (61 cm) from the top.

DANGER — PROPANE STORAGE

Never store propane near high heat, open flames, pilot lights, direct sunlight or where temperatures exceed 120°F (49°C). Propane vapors are heavier than air and can accumulate in low places. If you smell gas, leave the area immediately. Never install or remove a cylinder while the heater is lit, near a flame, or while it is hot to touch. Store the cylinder outdoors in a well-ventilated space out of reach of children.

WARNING — BURN HAZARD

Never leave the heater unattended when hot or in use, and keep it out of reach of children. Alert children and adults to the hazards of high surface temperatures. Do not hang clothing or other flammable materials from the heater. Replace any guard or protective device removed for servicing before returning the appliance to service.

WARNING — CALIFORNIA PROPOSITION 65

This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

WARNING — SMALL BATTERIES

This product contains small batteries. Swallowed batteries can cause a choking hazard. Seek immediate medical attention if a battery is swallowed or inhaled. Keep children away from small batteries.

CAUTION — SERVICE SAFETY

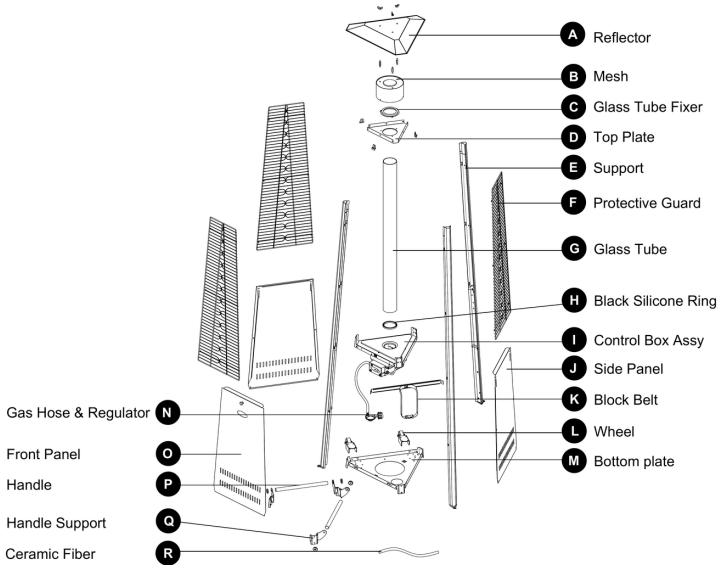
Keep all connections and fittings clean and make sure the cylinder valve outlet is clean. During set-up, check all connections and fittings for leaks using soapy water — never use a flame. Use as a heating appliance only. Never alter it in any way.

CAUTION — SHELTER

An appliance may be installed with shelter no more inclusive than: (a) with walls on all sides but no overhead cover; (b) within a partial enclosure with an overhead cover and no more than two side walls; or (c) within a partial enclosure with an overhead cover and three side walls, as long as 30 percent or more of the horizontal periphery is permanently open.

PACKAGE CONTENTS

Before setting up, make sure all parts are present. If any part is missing or damaged, do not attempt to set up the product — contact Lava Heat Italia for replacement parts.



A · Reflector	**1**
B · Mesh	**1**
C · Glass Tube Fixer	**1**
D · Top Plate	**1**
E · Support	**1**
F · Protective Guard	**3**
G · Glass Tube	**1**
H · Black Silicone Ring	**1**
I · Control Box Assembly	**1**
J · Side Panel	**1**
K · Block Belt	**1**
L · Wheel	**2**
M · Bottom Plate	**1**
N · Gas Hose & Regulator	**1**
O · Front Panel	**2**
P · Handle	**2**
Q · Handle Support	**4**
R · Ceramic Fiber	**1**

HARDWARE CONTENTS

The 2G arrives fully assembled. Four items are supplied loose in the carton. The remainder are already fitted to the heater and are named here because the setup steps refer to them.

SUPPLIED LOOSE

AA · Wing nut	**3**
BB · Small flat washer Φ8	**6**
EE · M6 × 10 mm bolt	**8**
OO · Wrench	**1**

ALREADY FITTED

CC · Stud	**3**
DD · M5 × 12 mm screw	—
GG · Fixing bracket	**3**
HH · M8 nut	**3**
II · M8 cap nut	**3**

A Phillips screwdriver (PP) and a secured step ladder are required and are not supplied.

SETUP

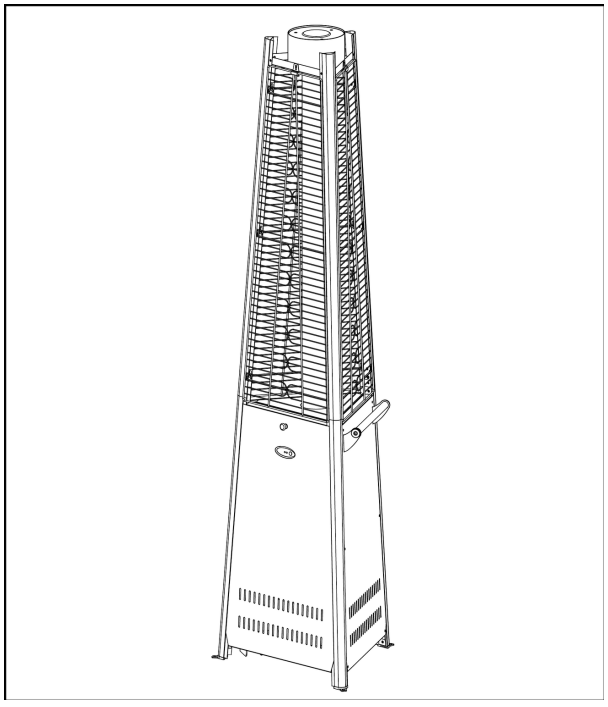
Estimated time: 30 minutes. Two people are recommended for any step that requires leaning the heater. Steps 1 to 4 remove the transit protection; steps 5 to 10 return the heater to service.

1 Before you begin

The 2G is assembled at the factory and arrives ready for use. Remove all transit protection — foam, cardboard and bubble wrap — before operating it.

The glass tube in the center of the unit is wrapped for shipping. The next three steps remove that wrapping; steps 5 to 10 return the heater to service.

Keep every part you remove. The same steps can be followed in future to clean soot or debris from the glass tube.



2 Remove the mesh and mesh base

Use a secured step ladder, or lean the heater carefully.

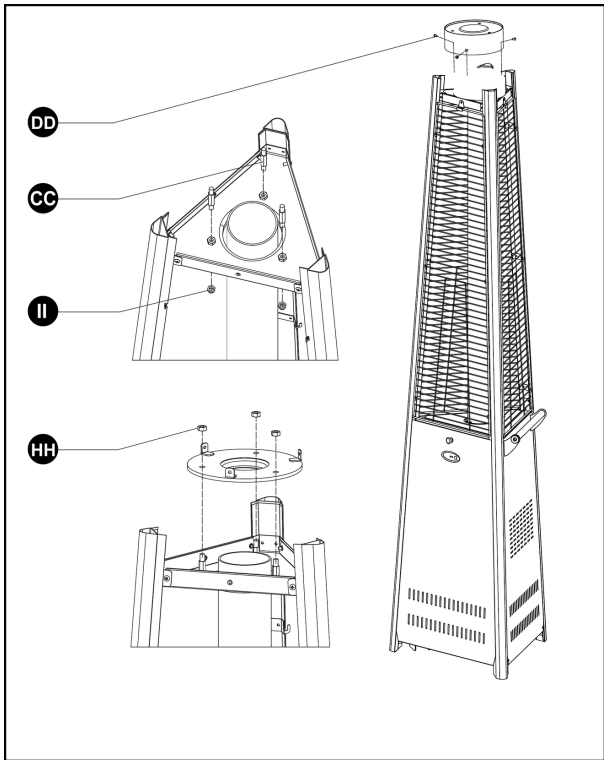
Unfasten the three M5 × 12 mm screws (DD) holding the mesh to the mesh base.

Unscrew the three M8 nuts (HH) and lift the mesh base off the three studs (CC).

Set the mesh, mesh base, screws and nuts aside together — all of them are refitted in step 7.

HARDWARE USED

DD	M5 × 12 mm screw	**× 3**
HH	M8 nut	**× 3**
PP	Phillips screwdriver	**× 1**



3 Remove one protective guard

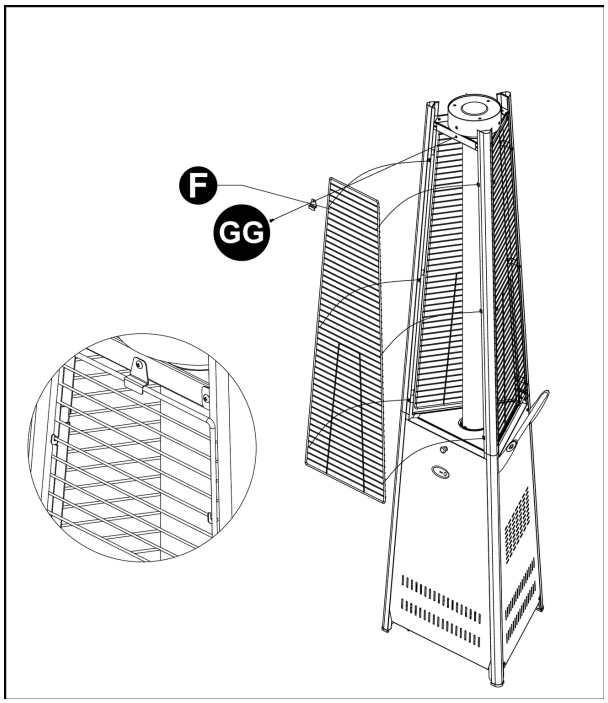
Unscrew one M5 × 12 mm screw (DD) and release one fixing bracket (GG).

Lift the protective guard (F) clear of its upper support slots.

Only one guard needs to come off to reach the glass tube.

HARDWARE USED

DD	M5 × 12 mm screw	**× 1**
GG	Fixing bracket	**× 1**
PP	Phillips screwdriver	**× 1**

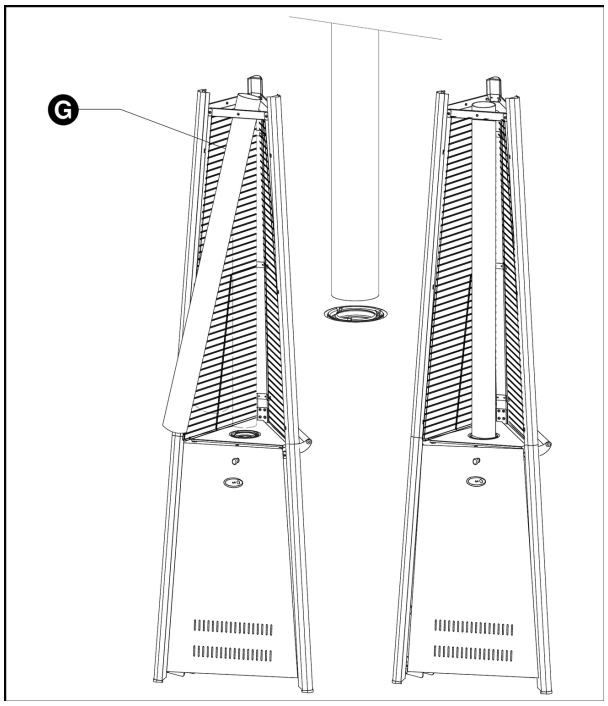


4 Remove the glass tube and unwrap it

Lift the glass tube (G) up and out of its position between the top plate (D) and the control box assembly (I).

Unwrap the bubble wrap from the glass.

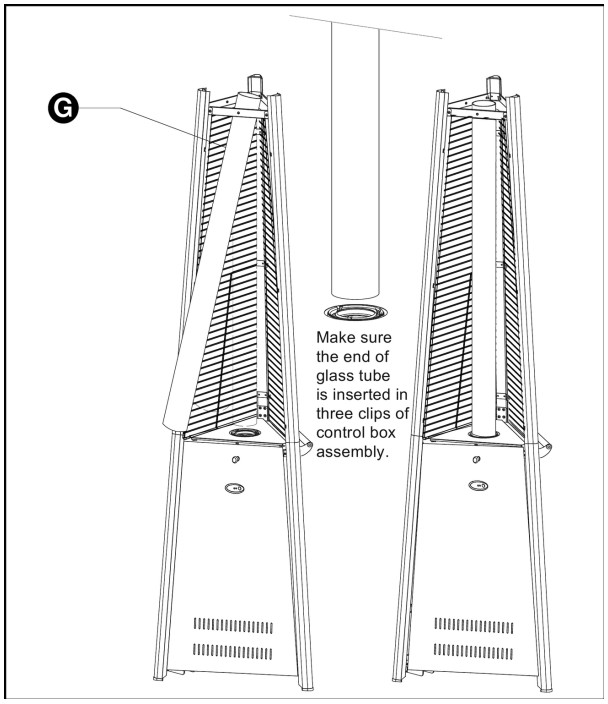
Unwrap the glass carefully and on a soft surface. Do not lever or twist the tube.



5 Refit the glass tube

Install the glass tube (G) between the center of the top plate (D) and the control box assembly (I).

The lower end of the glass tube must seat between the three clips on the control box assembly.



POSITANO FLAME TOWER COLLECTION

THE 2G

42,000 BTU/HR

An 8 ft radius of 360° radiant warmth — roughly 201 sq ft of usable comfort.

Clima-Comfort Controls

Five-stage control by wireless remote, with digital one-touch ignition.

Built From The Frame Out

430-grade stainless emitter, 304-grade stainless panels, marine-grade 6061-T6 aluminum.

Tested Against Salt Air

CSA certified and 500-hour ASTM B117 salt-spray tested for coastal terraces.

Twelve Hours

A full evening's run, twice over, from one concealed 20 lb cylinder.



COMFORT ZONE
ON A 50°F EVENING

77° — 3 FT

67° — 5 FT

TRUBTU

60° — 8 FT



8 FT RADIUS

Shown in Heritage Bronze. 24.4 × 24.4 × 91.6 in.
CSA certified, 500-hour ASTM B117 salt-spray tested.
Frame and structure carry a lifetime limited warranty.

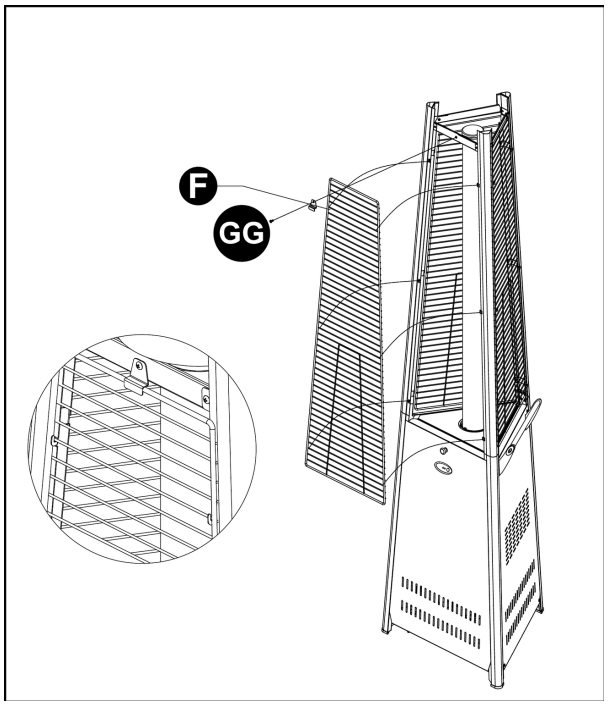
6 Refit the protective guard

Hang the protective guard (F) back on its upper support slots.

Secure it with one M5 × 12 mm screw (DD) and one fixing bracket (GG).

HARDWARE USED

DD	M5 × 12 mm screw	**× 1**
GG	Fixing bracket	**× 1**
PP	Phillips screwdriver	**× 1**



7 Refit the mesh base and mesh

Lean the heater carefully.

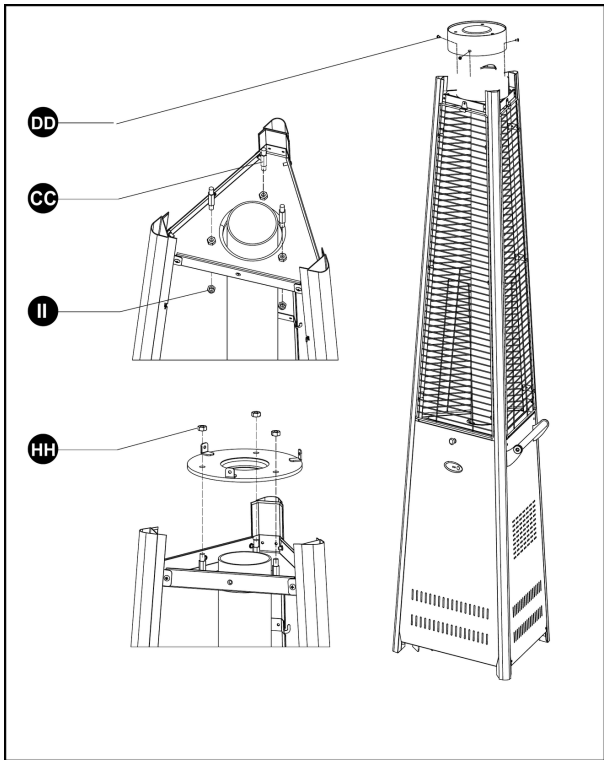
Fit the mesh base over the three studs (CC) and secure it with three M8 nuts (HH).

Secure the mesh (B) to the mesh base with three M5 × 12 mm screws (DD).

The three studs stay fitted to the top plate throughout; check that their M8 cap nuts (II) are tight before refitting the mesh base.

HARDWARE USED

HH	M8 nut	**× 3**
DD	M5 × 12 mm screw	**× 3**
PP	Phillips screwdriver	**× 1**

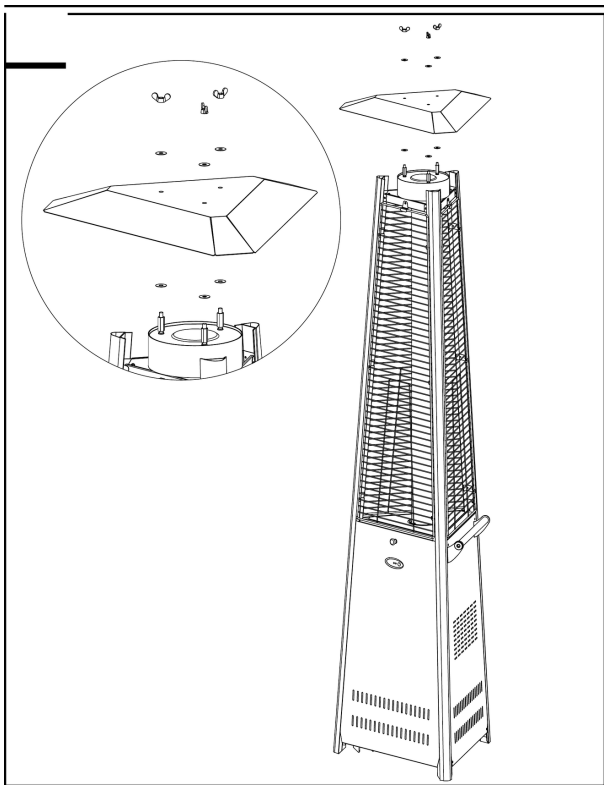


8 Fit the reflector

Place a small flat washer (BB) on each reflector stud.

Fit the reflector (A), add a second washer to each stud, and fasten with the wing nuts (AA).

Return the heater gently to the upright position.

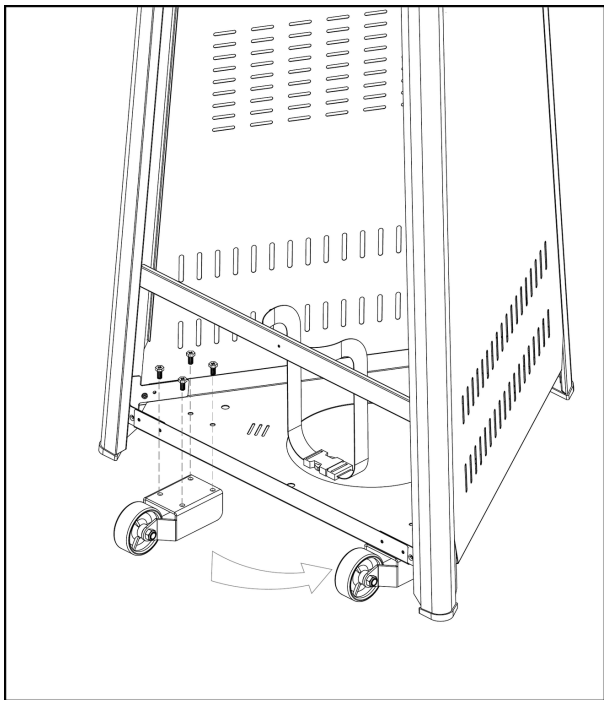


HARDWARE USED

AA	Wing nut	**× 3**
BB	Small flat washer Φ8	**× 6**

9 Fit the wheels

Open the side panel and fasten the wheel assembly to the bottom plate (M) with eight M6 × 10 mm bolts (EE).



HARDWARE USED

EE	M6 × 10 mm bolt	**× 8**
OO	Wrench	**× 1**

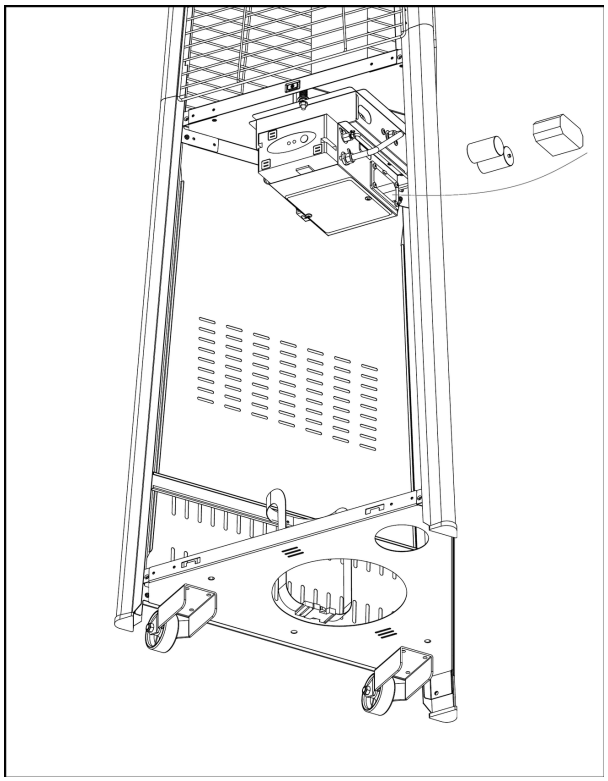
10 Fit the batteries

Open the front panel, then open the lid of the battery compartment.

Insert two type D batteries (1.5 V each), observing the correct polarity, and close the lid.

Return the side panel to its position.

Batteries power the ignition. Remove them if the heater is to be stored for an extended period.



WARNING — GAS HOSE ROUTING

Ensure the gas hose does not contact any high-temperature surface. Contact may melt the hose and cause a leak and fire.

LEAK CHECK

Perform all leak tests outdoors. Extinguish all open flames. Never smoke while carrying out a leak test. Do not use the heater until all connections have been leak tested and do not leak.

1. Make 2–3 oz of leak check solution — one part liquid dishwashing detergent to three parts water.
2. Apply several drops where the hose attaches to the regulator.
3. Apply several drops where the regulator connects to the cylinder, and to all hose and valve connections.
4. Make sure all valves are OFF.
5. Turn the cylinder valve ON.

If bubbles appear at any connection there is a leak. Turn the cylinder valve OFF. If the leak is at the hose/regulator connection, add PTFE tape and re-attach the regulator to the hose with wrenches; if bubbles continue, the hose should be returned to the place of purchase. If the leak is at the regulator/cylinder valve connection, disconnect, reconnect and test again. Whenever gas connections are loosened or removed, a complete leak test must be performed.

LIGHTING

This heater is equipped with a pilot light that allows for safer startups and shutdowns. The pilot must be lit before the main burner can be started.

A. Turn the control knob to the OFF position.
B. Fully open the propane cylinder valve.
C. Push the control knob in and rotate it to the PILOT position.
D. Push and release the igniter button until the pilot flame is visible through the glass tube.
E. Once the pilot is lit, hold the control knob depressed for 30 seconds.
F. If the pilot does not stay lit, repeat steps C to E.
G. If the unit still does not light, depress the control knob and use a long stem lighter through the glass tube to light the pilot.
H. Push in and turn the control knob to HIGH, then release. For a lower temperature, push in and turn counterclockwise to LOW.

For the initial start, or after any cylinder change, hold the control knob in for 2 minutes to purge air from the gas lines before proceeding.

If the pilot fails to remain lit, close all valves and wait at least 5 minutes before attempting to light again. Attempting to relight without waiting can cause a flash that could cause bodily harm and property damage.

In normal conditions the height of the flame is two thirds the height of the glass tube in HIGH position, and one third in LOW. The flame is stable and bright, with no noise or black smoke. Avoid inhaling fumes emitted on first use; smoke and odor from the burning of manufacturing oils will dissipate after approximately 30 minutes.

SHUT DOWN

A. Turn the control knob clockwise to PILOT. The burner will extinguish and the pilot will remain on.
B. To extinguish the pilot, depress the control knob and continue to turn it clockwise to OFF.
C. Turn the cylinder valve clockwise to OFF and disconnect the regulator when the heater is not in use.

The heater will be hot after use. Do not touch or move it until it is completely cooled, approximately 45 minutes. Some discoloration of the emitter screen after use is normal.

CARE AND MAINTENANCE

Keep exterior surfaces clean using warm soapy water. Never use flammable or corrosive cleaning agents. Keep the area around the burner and pilot assembly dry at all times. Do not submerge the control valve assembly; if the gas control is submerged in water it must be replaced.

Keep the appliance area clear of combustible materials. Do not obstruct the flow of combustion and ventilation air. Keep the ventilation openings of the cylinder enclosure free of debris. Keep controls, burner and circulating air passageways clean.

Spiders and insects can nest in the burner or orifices. This dangerous condition can damage the heater and render it unsafe. Clean burner holes with a heavy-duty pipe cleaner; compressed air may help clear smaller particles.

Carbon deposits may create a fire hazard. To clean the glass tube, follow setup steps 2 to 7: remove the mesh and mesh base and one protective guard, lift out the glass tube, wash and dry it, then refit everything in order.

In a salt-air environment corrosion occurs more quickly than normal. Check for corroded areas frequently and repair them promptly. Inspect the entire hose assembly at least annually for abrasion, cuts or wear; leak test any suspect areas.

Between uses, turn the control knob off, disconnect the cylinder, and store the heater upright in an area sheltered from inclement weather. Wait until the heater is completely cool before covering. Never leave a propane cylinder exposed to direct sunlight or excessive heat.

Only a qualified service person should repair gas passages and associated components. Always allow the heater to cool before attempting service.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Pilot will not light	Cylinder valve is closed	Open the valve
	Blockage in orifice or pilot tube	Clean or replace the orifice or pilot tube
	Air in gas line	Open the gas line and bleed it, pressing the control knob in, for no more than 1–2 minutes or until you smell gas
	Low gas pressure with the cylinder valve fully open	Turn the cylinder valve OFF and replace the cylinder
	Igniter fails	Use a match to light the pilot; obtain and fit a new igniter
Pilot will not stay lit	Dirt built up around the pilot	Clean dirt from around the pilot
	Connection between gas valve and pilot assembly is loose	Tighten the connection and perform a leak check
	Thermocouple is not operating correctly	Replace the thermocouple
	Anti-tilt switch faulty, or wires not connected properly	Replace the anti-tilt switch or connect the wire properly
Burner will not light	Propane cylinder is frosted over	Wait until the cylinder warms up and becomes unfrosted
	Blockage in orifice	Clear the blockage
	Control knob is not in the ON position	Turn the control knob to ON
Burner flame is low	Gas pressure is low	Turn the cylinder valve OFF and replace the cylinder
	Outdoor temperature below 40°F and tank less than 1/4 full	Use a full cylinder
	Control knob fully ON	Check the burner and orifices for blockage
Carbon build-up	Dirt or film on reflector and burner screen	Clean the reflector and burner screen
Thick black smoke	Blockage in burner	Remove the blockage and clean the burner inside and outside
Gas odor with extreme yellow tipping of flame	Burner tilt	Adjust the position of the control box assembly
	Spiders and insects	Clean the burner and orifices
Heater glow is excessively uneven	Bad regulator	Change the regulator
	Spiders and insects	Clean the burner and orifices
Heater makes popping noises	Blockage in orifice	Clean the burner and orifices
	Spiders and insects	Clean the burner and orifices

The heater operates at reduced efficiency below 40°F (5°C).

WARRANTY

Every Lava Heat Italia heater is backed by the Lava Heat Italia warranty program, effective from the date of purchase as shown on the purchaser's receipt.

Frame and structure	**Lifetime limited**
Parts	**5 years limited**
Finish	**5 years limited**
Burner and glass	**1 year limited**
Gas hose and regulator assembly	**1 year limited**

Parts only — labor and freight are not included. Residential and commercial installations are covered on identical terms. This warranty is valid for the original consumer purchaser. Defects or damage caused by the use of other than genuine parts are not covered. The warranty is void if damage or failure is caused by accident, alteration, misuse, abuse, or incorrect installation or removal. Full terms at lavaheat.com/warranty-and-product-care.

WHEN YOU RECEIVE YOUR PRODUCT

If your product is damaged, requires technical support or replacement parts, or if you have a sales question or product feedback, contact Lava Heat Italia directly.

DO NOT RETURN THIS PRODUCT TO THE RETAILER.

Lava Heat Italia · 940 W. Washington Blvd., Los Angeles, CA 90015
310-559-1700 · customerservice@lavaheat.com · lavaheat.com

REPLACEMENT PARTS

Parts are listed by the letter used throughout this manual. When ordering, quote the model (LHI-2G), the part letter and the finish. Consumable items and items damaged in service are not covered by the warranty.

SERVICE RECORD

Keep this page with the manual. Quote the model and serial number in any correspondence.

Model	**The 2G (LHI-2G)**
Serial number	
Finish	
Fuel	
Date of purchase	
Dealer	
Installed by	

ANNUAL INSPECTION

Date	Carried out by	Notes
Date	Carried out by	Notes
Date	Carried out by	Notes
Date	Carried out by	Notes
Date	Carried out by	Notes
Date	Carried out by	Notes

The heater should be inspected before use and at least annually by a qualified service person. Inspect the entire hose assembly at least annually for abrasion, cuts or wear, and leak test any suspect areas.

LAVA HEAT
ITALIA

LUXURY OUTDOOR HEATING · ESTABLISHED 2001

940 W. WASHINGTON BLVD., LOS ANGELES, CA 90015
310.559.1700 · CUSTOMERSERVICE@LAVAHEAT.COM
LAVAHEAT.COM

THE 2G · LHI-2G · MADE IN CHINA