LAVA HEAT ITALIA

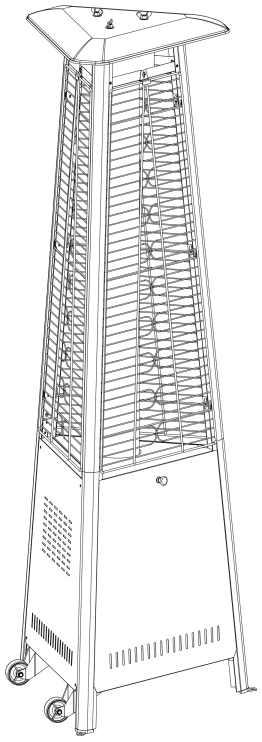
THE CAPRI

POSITANO FLAME TOWER COLLECTION · LHI-CAPRI

OWNER'S MANUAL

KNOCK-DOWN – FULL ASSEMBLY REQUIRED

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 Capri is the most compact tower in the Positano collection. Assembled properly and maintained as described in these pages, it will hold its finish and its output for many seasons. 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 Capri (LHI-CAPRI)**
Input rating	**42,000 BTU/hr**
Heat radius / coverage	**8 ft · approx. 201 sq ft**
TruBTU™ comfort zone, 50°F evening	**70° at 3 ft · 64° at 5 ft · 60° at 8 ft**
Fuel	**Liquid propane — bio-LP compatible, no conversion**
Manifold pressure	**11 in W.C. (2.74 kPa)**
Inlet supply pressure	**25 psi min · 250 psi max**
Ignition	**Electronic, with manual Clima-Comfort controls**
Run time	**Approx. 12 hours per 20 lb cylinder**
Dimensions	**24 × 24 × 72.5 in**
Materials	**430-grade stainless emitter · 6061-T6 aluminum chassis · borosilicate glass**
Certification	**CSA certified to ANSI Z83.26 and CSA 2.37**
Minimum clearances	**36" from the sides · 36" from the top**
Packaged	**8.3 × 32.3 × 45.5 in · 63.8 lb gross**
Factory model	**GTH-C-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 36" (91 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

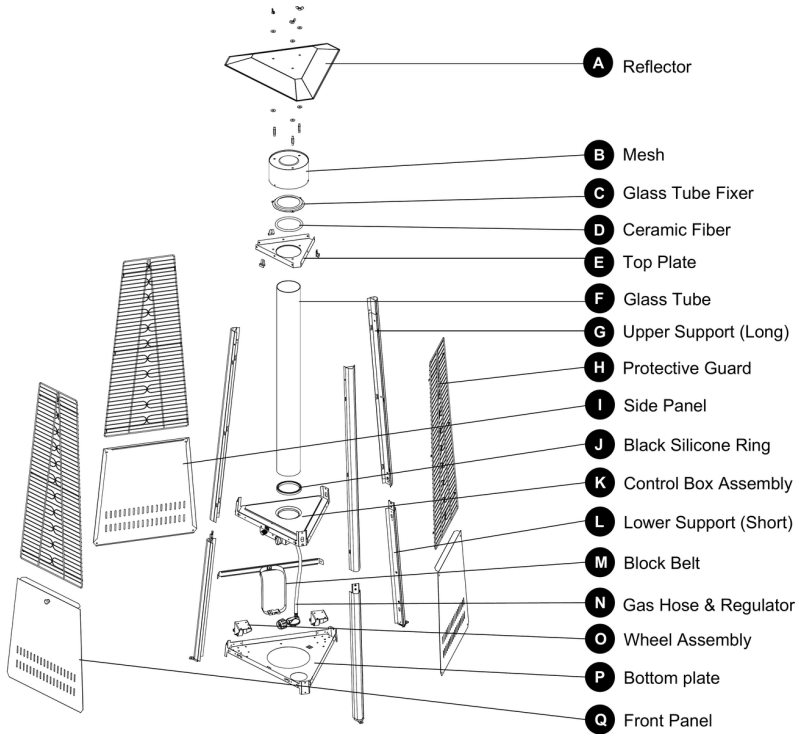
Keep all connections and fittings clean and make sure the cylinder valve outlet is clean. During set-up, check all connections and fittings for leaks using soapy water — never use a flame. Use as a heating appliance only. Never alter it in any way.

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.

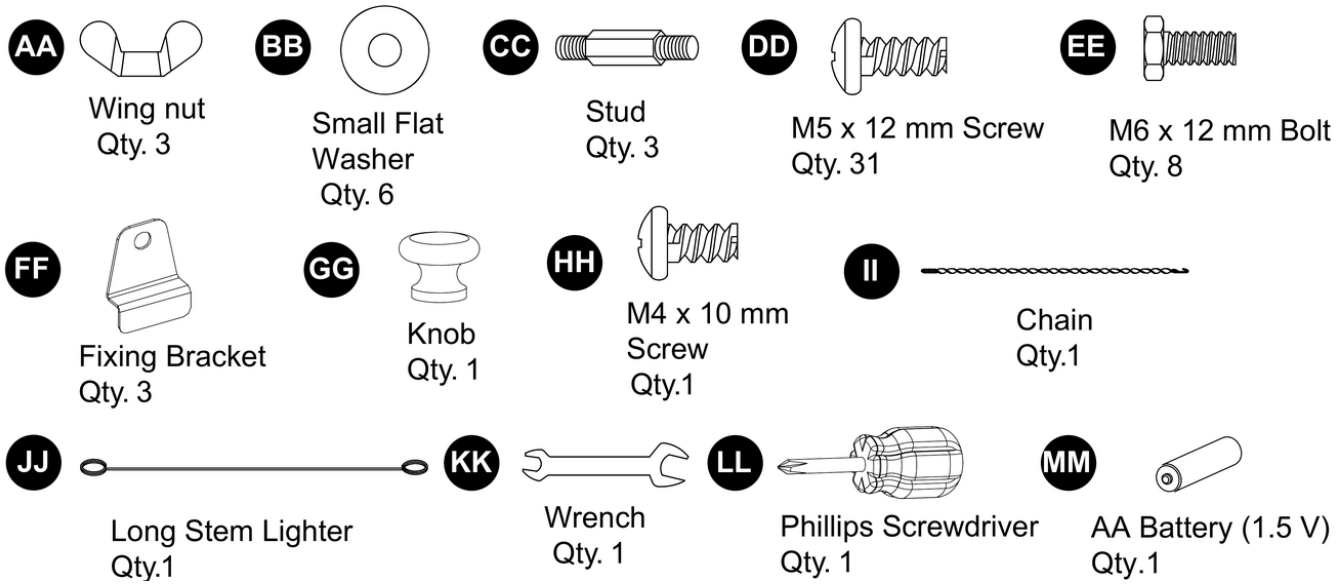
PACKAGE CONTENTS

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



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

HARDWARE CONTENTS



PREPARATION

Estimated assembly time: 90 minutes. Two people are required. A Phillips screwdriver and a wrench are supplied in the hardware pack; leak detection solution is required and is not included.

ASSEMBLY

1 Fit the control box and bottom plate

Unscrew the switch button, load the AA battery (MM), and tighten the switch button back on.

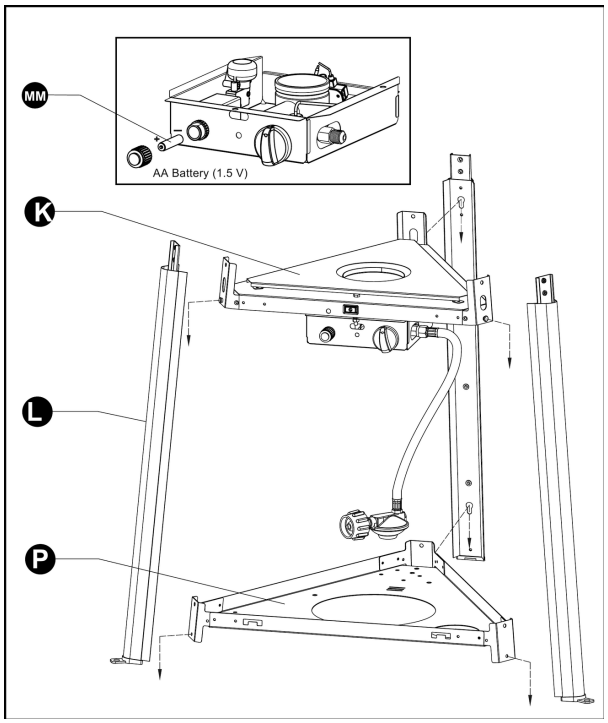
Insert the hooks of the bottom plate (P) into the lower holes of the three lower supports (L).

Insert the hooks of the control box assembly (K) into the upper holes of the same three lower supports.

Align the side of the bottom plate (P) carrying the holes with the side of the control box assembly (K) carrying the magnet.

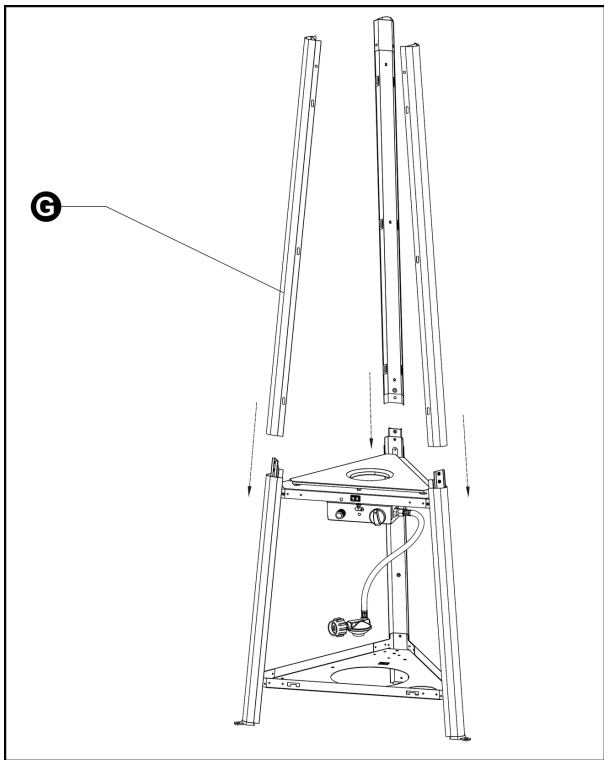
HARDWARE USED

MM	AA battery (1.5 V)	**× 1**



2 Add the upper supports

Insert the three upper supports (G) into the three lower supports (L).

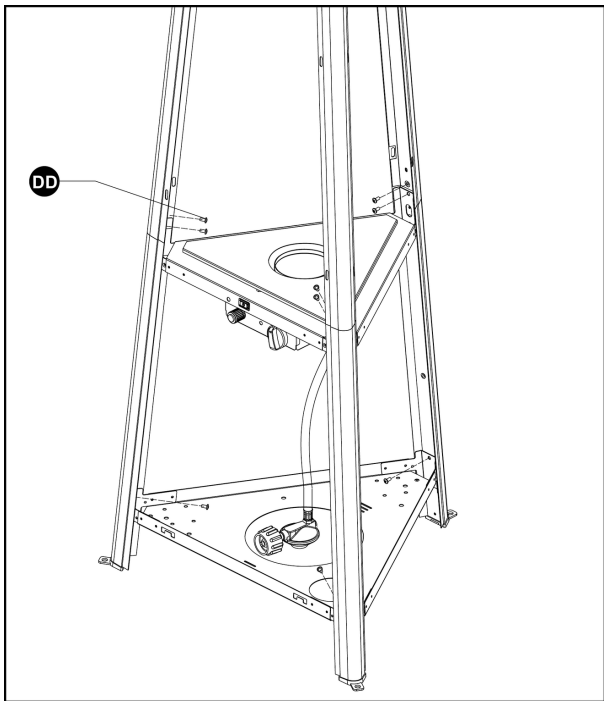


3 Fasten the control box to the bottom plate

Fasten the control box assembly (K) and the bottom plate (P) together with M5 × 12 mm screws (DD).

HARDWARE USED

DD	M5 × 12 mm screw	**× 9**
LL	Phillips screwdriver	**× 1**

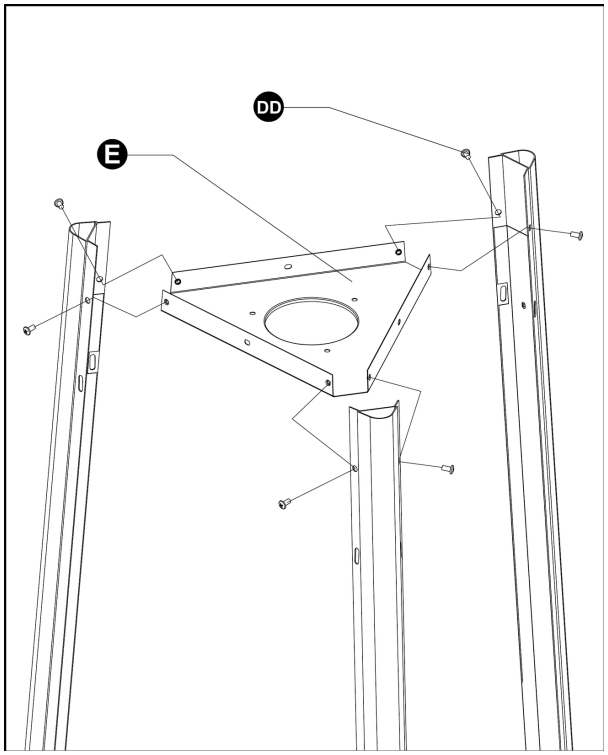


4 Secure the top plate

Secure the top plate (E) to the upper supports (G) with M5 × 12 mm screws (DD).

HARDWARE USED

DD	M5 × 12 mm screw	**× 6**
LL	Phillips screwdriver	**× 1**

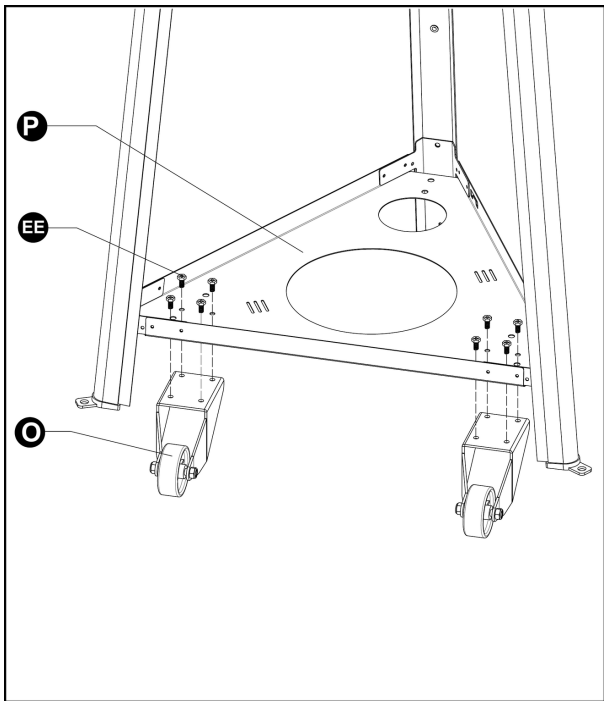


5 Fit the wheel assembly

Using the wrench (KK), assemble the wheel assembly (O) to the bottom plate (P) with M6 × 12 mm bolts (EE).

HARDWARE USED

EE	M6 × 12 mm bolt	**× 8**
KK	Wrench	**× 1**

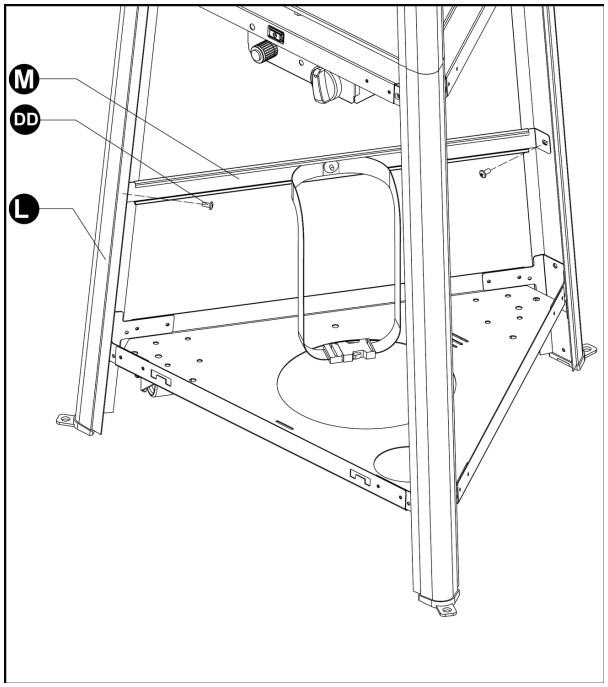


6 Secure the block belt

Secure the block belt (M) to the lower supports (L) with M5 × 12 mm screws (DD).

HARDWARE USED

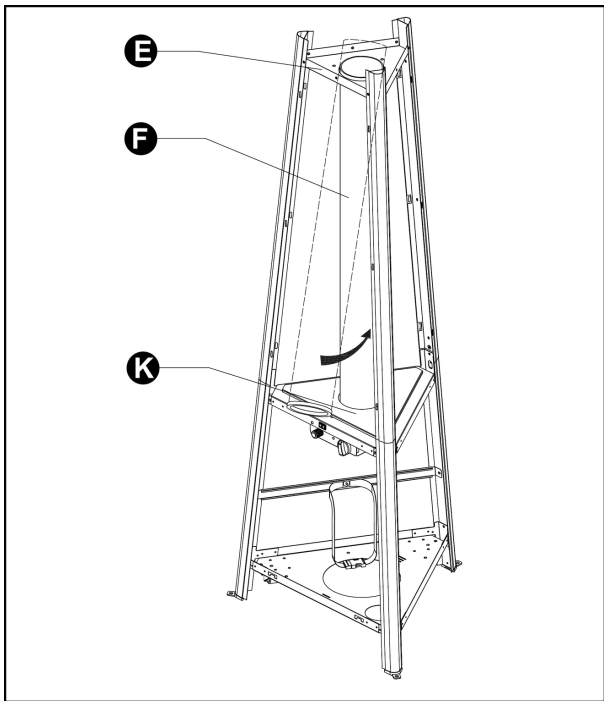
DD	M5 × 12 mm screw	**× 2**
LL	Phillips screwdriver	**× 1**



7 Install the glass tube

Carefully install the glass tube (F) between the center of the top plate (E) and the control box assembly (K).

Make sure the end of the glass tube is inserted securely into all three clips of the control box assembly.



8 Fit the glass tube fixer

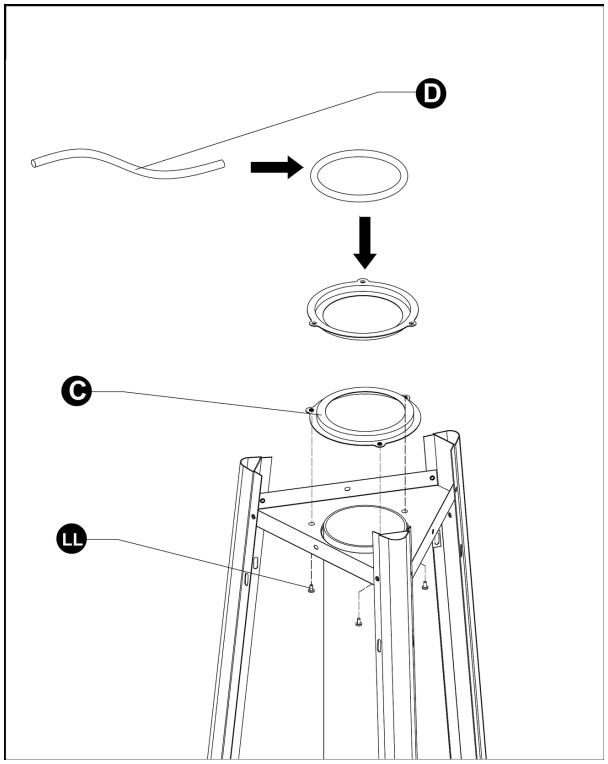
Assemble the glass tube fixer (C). Insert the ceramic fiber (D) into the fixer, then press the fixer onto the glass tube.

Secure the glass tube fixer (C) to the top plate (E) with M5 × 12 mm screws (DD).

Make sure the ceramic fiber sits outside the glass tube.

HARDWARE USED

DD	M5 × 12 mm screw	**× 3**
LL	Phillips screwdriver	**× 1**



POSITANO FLAME TOWER COLLECTION

THE CAPRI

42,000 BTU/HR

An 8 ft radius of directed warmth — roughly 201 sq ft of usable comfort.

Clima-Comfort Controls

Electronic ignition with manual variable control, pilot through to high.

Built From The Frame Out

430-grade stainless emitter, 6061-T6 aluminum chassis, borosilicate glass.

Bio-LP Ready

Runs on bio-propane. No conversion, no parts changed, no loss of output.

Twelve Hours

A full evening's run, twice over, from a single 20 lb cylinder.





8 FT RADIUS

Shown in Bronze. CSA certified to ANSI Z83.26 and CSA 2.37. Frame and structure carry a lifetime limited warranty.

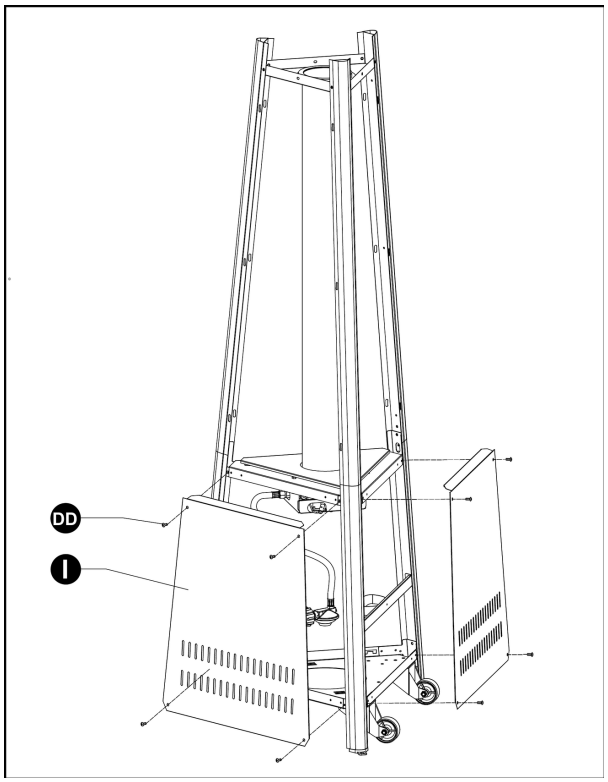
9 Install the side panels

Install the side panels (I) to the bottom of the assembly with M5 × 12 mm screws (DD).

Do not cover the panel where the magnet is.

HARDWARE USED

DD	M5 × 12 mm screw	**× 8**
LL	Phillips screwdriver	**× 1**



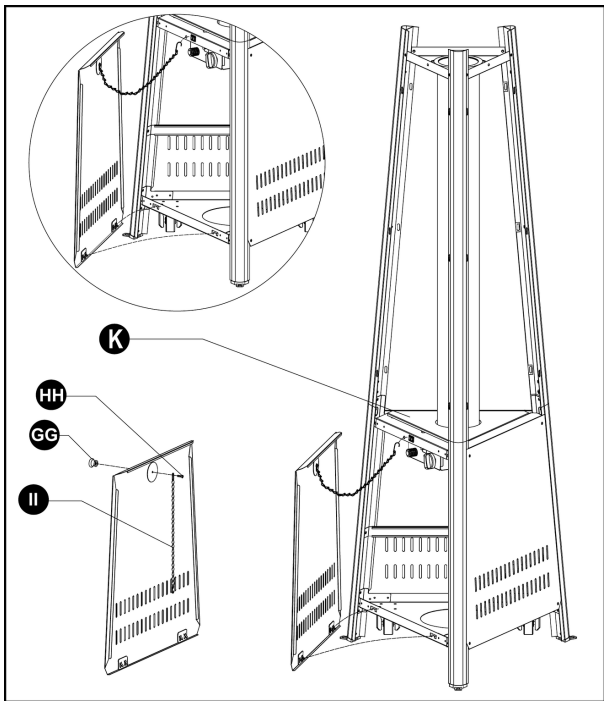
10 Fit the knob, chain and front panel

Install the knob (GG) onto the M4 × 10 mm screw (HH).

Hang the chain (II) on the hole in the control box assembly (K), then locate the pothook of the front panel (Q) into the holes in the bottom plate.

HARDWARE USED

GG	Knob	**× 1**
HH	M4 × 10 mm screw	**× 1**
II	Chain	**× 1**
LL	Phillips screwdriver	**× 1**



11 Fit the protective guards and mesh

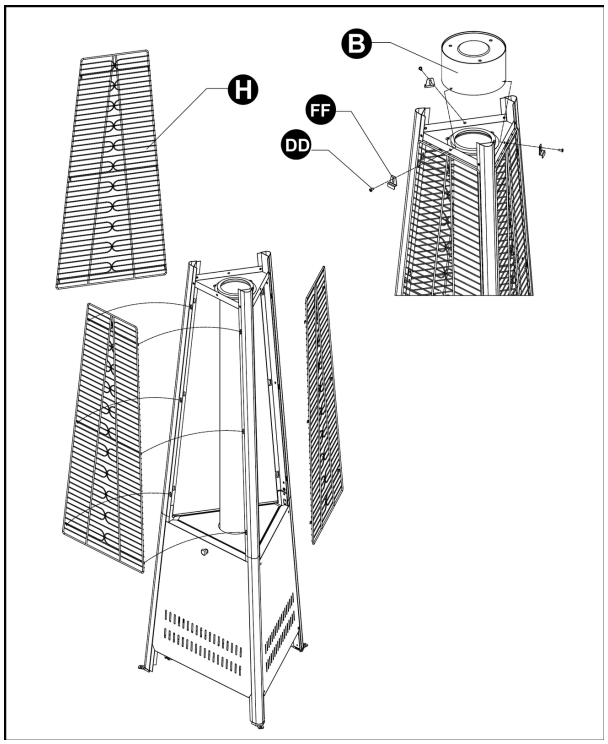
Insert the hooks of the protective guard (H) into the holes of the upper supports (G).

Place the mesh (B) on the top plate (E), aligning its screw holes with the holes in the top plate.

Secure the mesh (B) and protective guard (H) to the top plate (E) with M5 × 12 mm screws (DD) and fixing brackets (FF).

HARDWARE USED

DD	M5 × 12 mm screw	**× 3**
FF	Fixing bracket	**× 3**
LL	Phillips screwdriver	**× 1**



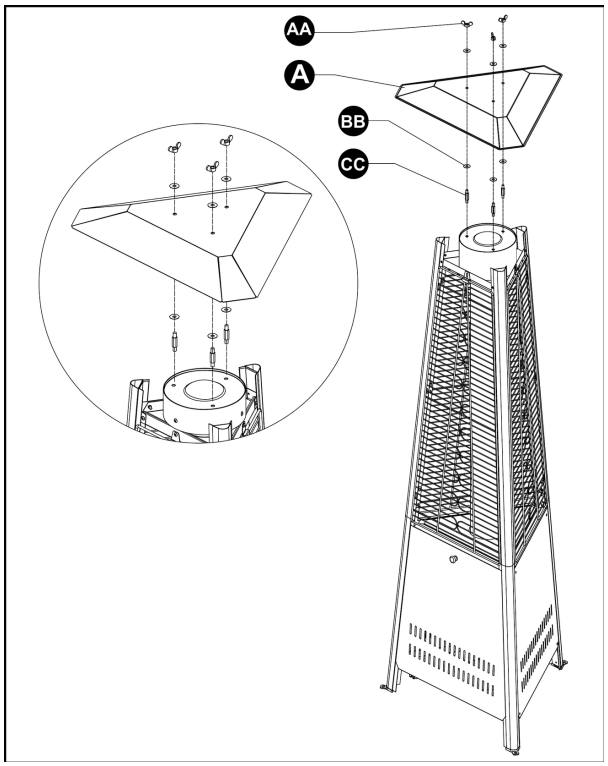
12 Attach the reflector

Carefully lean the assembly and attach the reflector (A) to the mesh (B) with the studs (CC), placing a small flat washer (BB) on either side of the reflector, then fasten with the wing nuts (AA).

Gently return the assembly to the upright position.

HARDWARE USED

AA	Wing nut	**× 3**
BB	Small flat washer	**× 6**
CC	Stud	**× 3**



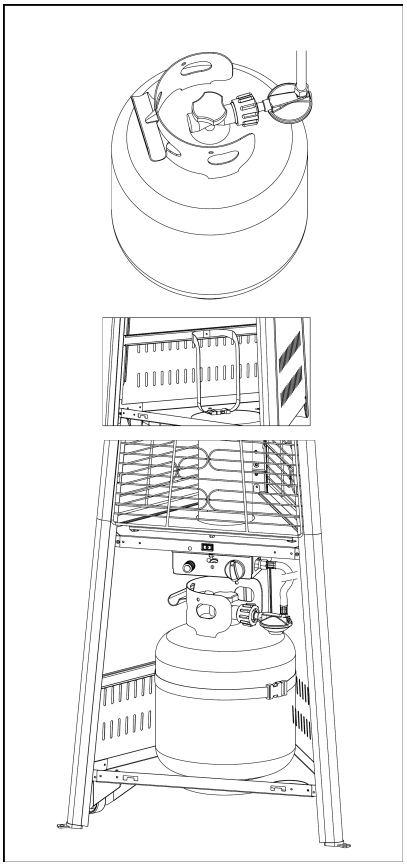
13 Connect the gas supply

Screw the gas hose and regulator (N) to the propane cylinder (not included). Do not cross-thread. Stand the cylinder in the base and secure it with the block belt (M).

Use a standard 20 lb propane cylinder only — approximately 12.2 in (31 cm) in diameter and 17.9 in (45.5 cm) high.

Use this heater only with a propane vapor withdrawal supply system. Maximum inlet gas supply pressure 250 psi (1750 kPa); minimum 25 psi (175 kPa); manifold pressure with the regulator provided 11 in W.C. (2.74 kPa).

The pressure regulator and hose assembly supplied with the appliance must be used. Installation must conform with local codes, or in their absence with ANSI Z223.1/NFPA 54, CSA B149.1, or B149.2.



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 on the valve on the gas supply cylinder completely.

B. Press and turn the variable control knob to the PILOT position.

C. Press down the variable control knob and hold it for 60 seconds. While holding down the knob, press the igniter button several times until the pilot flame lights. Release the knob after the pilot flame lights.

D. Turn the variable control knob to HI (maximum) and leave it there for about 5 minutes, then turn the knob to the desired temperature position.

A 5-minute complete shut-off period is necessary before relighting. If you attempt to relight the pilot without waiting you may get a flash that could cause bodily harm and property damage.

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.

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 variable control knob to the PILOT position. The burner will extinguish and the pilot will remain on.

B. Press and turn the variable control knob to the OFF position.

C. Turn off the valve on the gas supply cylinder 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. Disassemble the reflector, unscrew the reflector spacer, remove the screen and take down one side of the protective guard, then remove the glass tube and wash it before reassembling.

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-CAPRI), the part letter and the finish. Consumable items and items damaged in service are not covered by the warranty.

NOTES

NOTES

SERVICE RECORD

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

Model	**The Capri (LHI-CAPRI)**
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

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LAVAHEAT.COM

THE CAPRI · LHI-CAPRI · MADE IN CHINA