

The Lava Lite

Assembly Guide · Flat-Pack

This guide takes the heater from carton to first lighting: checking the contents, the assembly steps, connecting the gas supply and the leak check.

Model	Lava Lite
SKU	LHI-LAVALITE
Configuration	Flat-pack
Estimated time	90 minutes

WARNING

- Read this guide and the Use & Care Guide in full before assembling or operating the appliance.
- Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death.

DANGER

If you smell gas

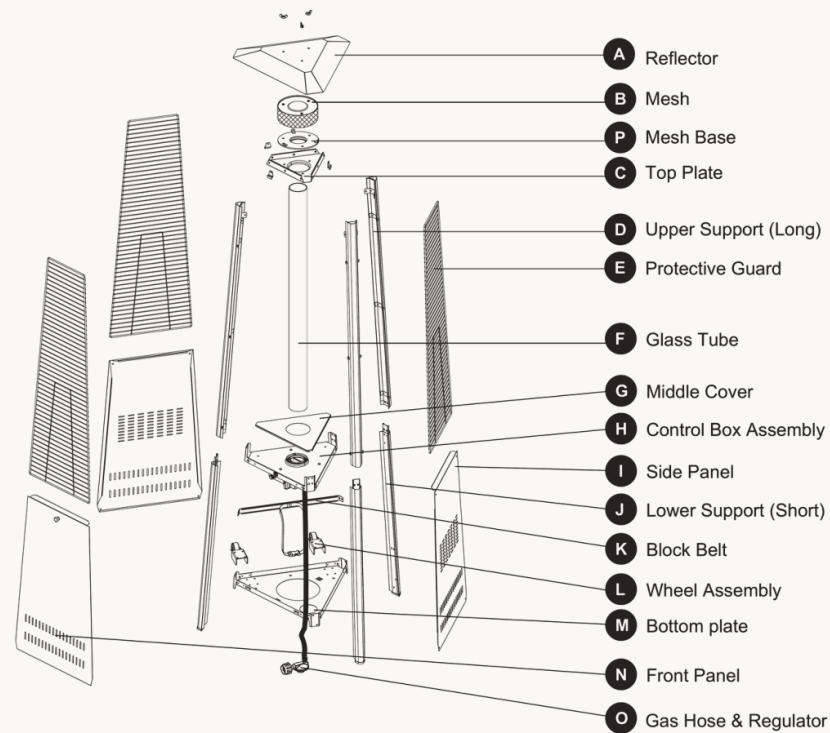
- Shut off gas to the appliance.
- Extinguish any open flame.
- If odor continues, keep away from the appliance and immediately call your gas supplier or fire department.

Before You Begin

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.

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.



Ref	Part	Qty	Ref	Part	Qty
A	Reflector	1	I	Side Panel	2
B	Mesh	1	J	Lower Support (Short)	3
C	Top Plate	1	K	Block Belt	1
D	Upper Support (Long)	3	L	Wheel Assembly	2
E	Protective Guard	3	M	Bottom Plate	1
F	Glass Tube	1	N	Front Panel	1
G	Middle Cover	1	O	Gas Hose & Regulator	1
H	Control Box Assembly	1	P	Mesh Base	1

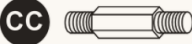
Hardware



AA Wing nut
Qty. 3



BB Small flat washer $\Phi 8$
Qty. 6



CC Stud
Qty. 6



DD Screw M5 X 12
Qty. 42



EE Bolt M6 X 10
Qty. 8



GG Fixing Bracket
Qty. 3



HH Nut M8
Qty. 3



II Cap nut M8
Qty. 3



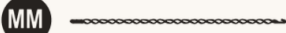
JJ Knob
Qty. 1



KK Nut M4
Qty. 1



LL wafer
Qty.1



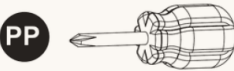
MM Chain
Qty.1



NN Screw M4 X 10
Qty.1



OO Wrench
Qty. 1



PP Philips screwdriver
Qty. 1

Also supplied — not shown above

Ref	Item	Qty	Used in
QQ	AA battery (1.5 V)	1	Step 14

Where each item is used

Ref	Item	Used in
AA	Wing nut	Step 12
BB	Small flat washer 8	Step 12
CC	Stud	Steps 8, 12
DD	M5 × 12 mm screw	Steps 1, 3, 4, 5, 6, 8, 9, 11
EE	M6 × 10 mm bolt	Step 2
GG	Fixing bracket	Step 11
HH	M8 nut	Step 8
II	M8 cap nut	Step 8
JJ	Knob	Step 10
KK	M4 nut	Step 10
LL	Wafer	Step 10
MM	Chain	Step 10
NN	M4 × 10 mm screw	Step 10
OO	Wrench	Step 2
PP	Phillips screwdriver	Steps 1, 3, 4, 5, 6, 9, 10, 11
QQ	AA battery (1.5 V)	Step 14

 CAUTION

- The glass tube is the most vulnerable component on the appliance. Support it with both hands whenever it is out of the frame, and set it down on a soft surface — never on concrete or stone.

Assembly

I

Fit the lower supports, bottom plate and control box

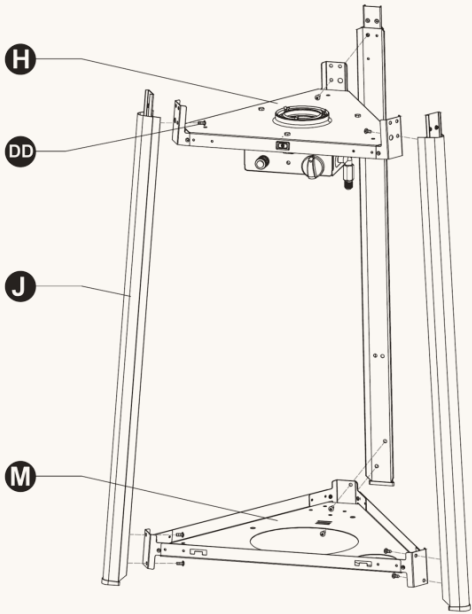
Assemble the three lower supports (J) to the bottom plate (M) and the control box assembly (H) using nine M5 × 12 mm screws (DD).

Leave three of the M5 × 12 mm screws on the control box assembly loose at this stage — they are fastened in step 4.

Two people are required for this step. Align the side of the bottom plate carrying the holes with the side of the control box assembly carrying the knob. Do not place the bottom plate upside down.

HARDWARE AND TOOLS

DD	M5 × 12 mm screw	× 9
PP	Phillips screwdriver	× 1



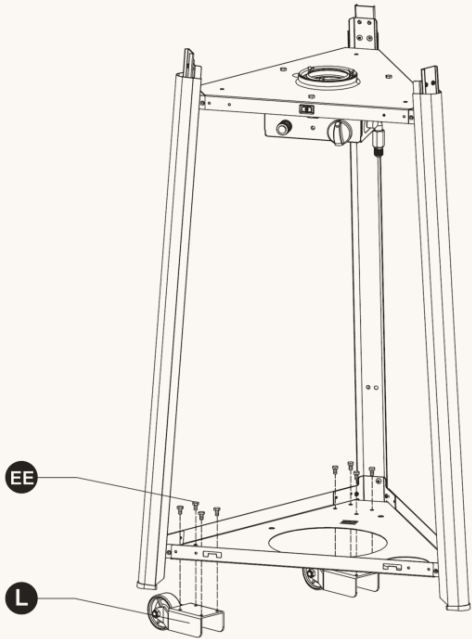
2

Fit the wheel assembly

Assemble the wheel assembly (L) to the bottom plate (M) using eight M6 × 10 mm bolts (EE).

HARDWARE AND TOOLS

EE	M6 × 10 mm bolt	× 8
OO	Wrench	× 1



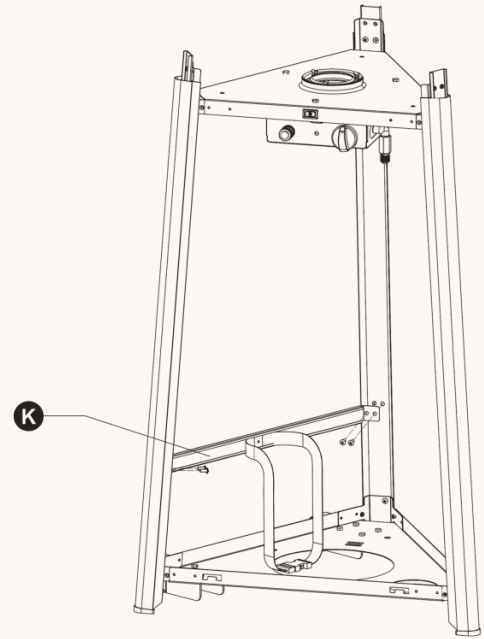
3

Secure the block belt

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

HARDWARE AND TOOLS

DD	M5 × 12 mm screw	× 4
PP	Phillips screwdriver	× 1



4

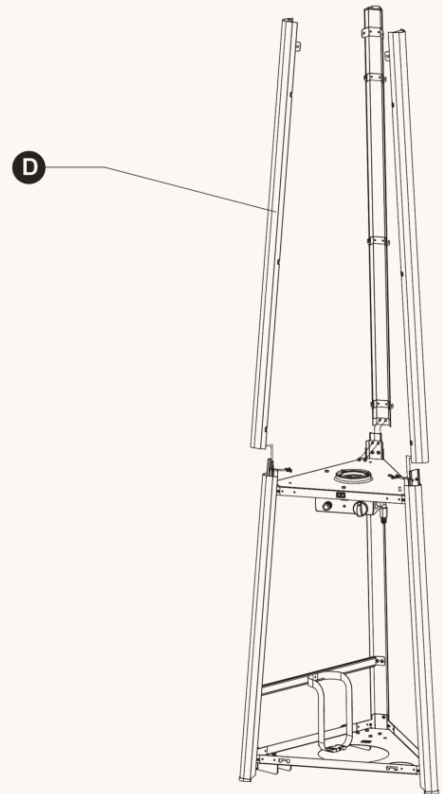
Add the upper supports

Connect the three upper supports (D) to the lower supports (J) and secure them with six M5 × 12 mm screws (DD).

Now fasten the three M5 × 12 mm screws left loose on the control box assembly in step 1.

HARDWARE AND TOOLS

DD	M5 × 12 mm screw	× 6
PP	Phillips screwdriver	× 1



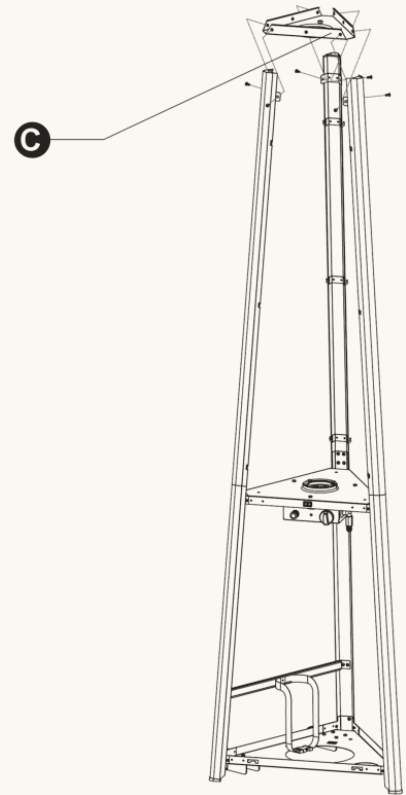
5

Fit the top plate

Assemble the top plate (C) to the upper supports using six M5 × 12 mm screws (DD).

HARDWARE AND TOOLS

DD	M5 × 12 mm screw	× 6
PP	Phillips screwdriver	× 1



6

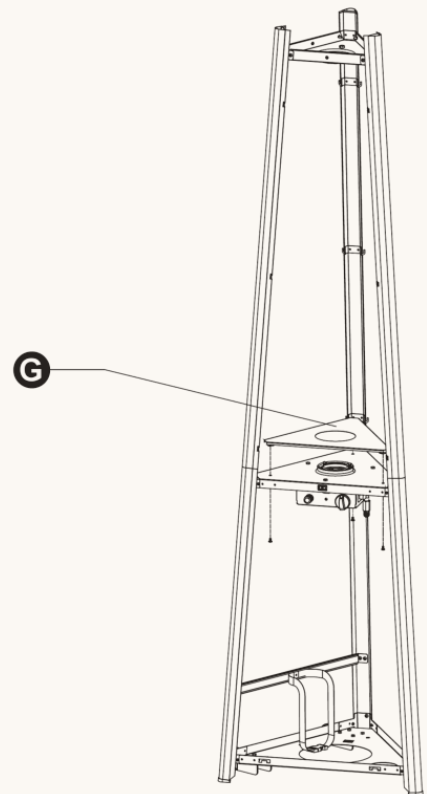
Fit the middle cover

Assemble the middle cover (G) to the control box assembly using three M5 × 12 mm screws (DD).

Align the side of the middle cover carrying the warning labels with the control knob.

HARDWARE AND TOOLS

DD	M5 × 12 mm screw	× 3
PP	Phillips screwdriver	× 1

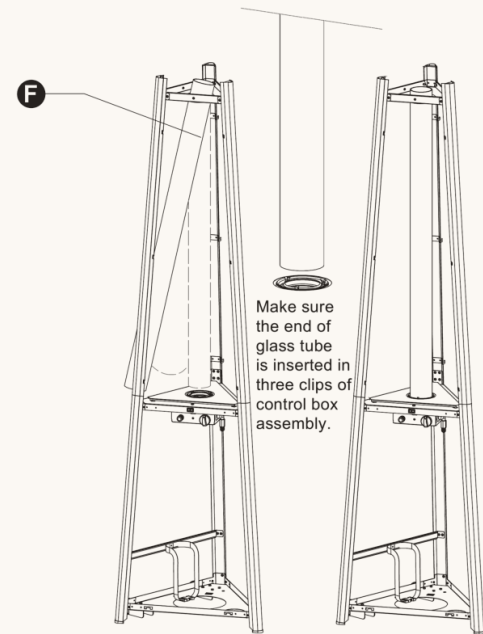


7

Install the glass tube

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

Make sure the lower end of the glass tube is seated between the three clips on the control box assembly.



8

Fit the mesh base and mesh

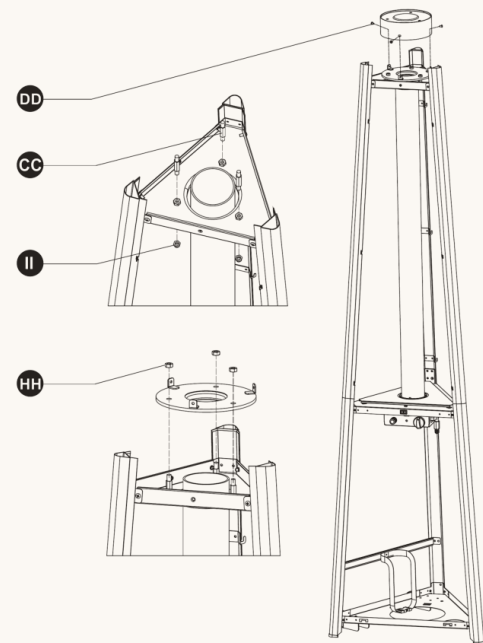
Lean the heater carefully. Install three studs (CC) on the top plate and secure them with three M8 cap nuts (II).

Assemble the mesh base (P) to the studs and secure it with three M8 nuts (HH).

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

HARDWARE AND TOOLS

CC	Stud	× 3
II	M8 cap nut	× 3
HH	M8 nut	× 3
DD	M5 × 12 mm screw	× 3



9

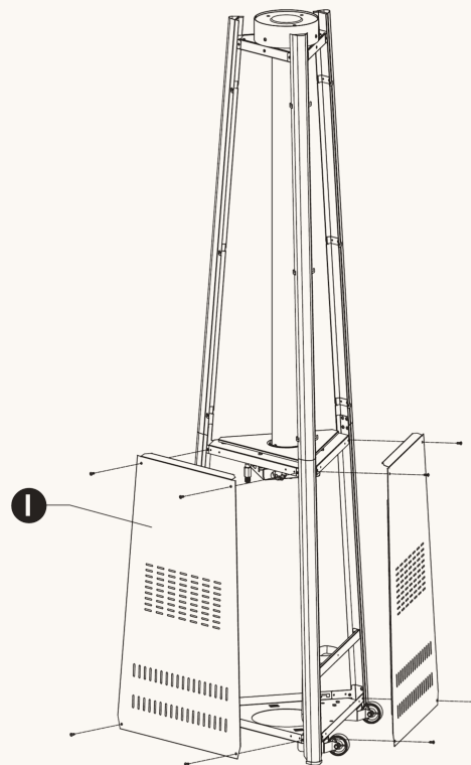
Install the side panels

Install the two side panels (I) with eight M5 × 12 mm screws (DD).

Do not cover the front panel opening where the control knob is located.

HARDWARE AND TOOLS

DD	M5 × 12 mm screw	× 8
PP	Phillips screwdriver	× 1



10

Fit the knob, chain and front panel

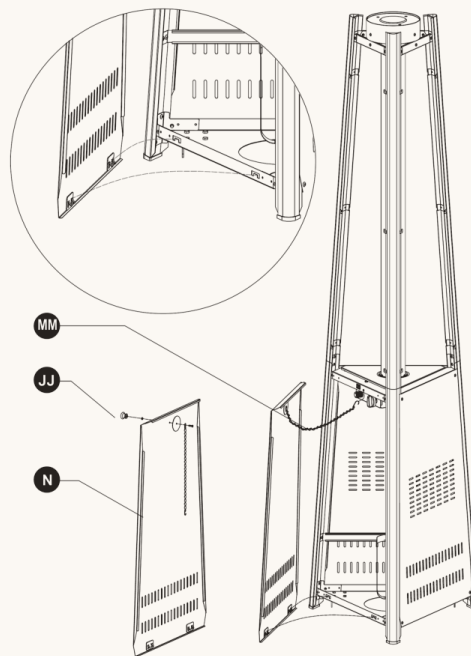
Assemble the chain (MM) and wafer (LL) to the inside of the front panel (N) with the M4 × 10 mm screw (NN) and M4 nut (KK).

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

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

HARDWARE AND TOOLS

NN	M4 × 10 mm screw	× 1
KK	M4 nut	× 1
LL	Wafer	× 1
MM	Chain	× 1
JJ	Knob	× 1
PP	Phillips screwdriver	× 1



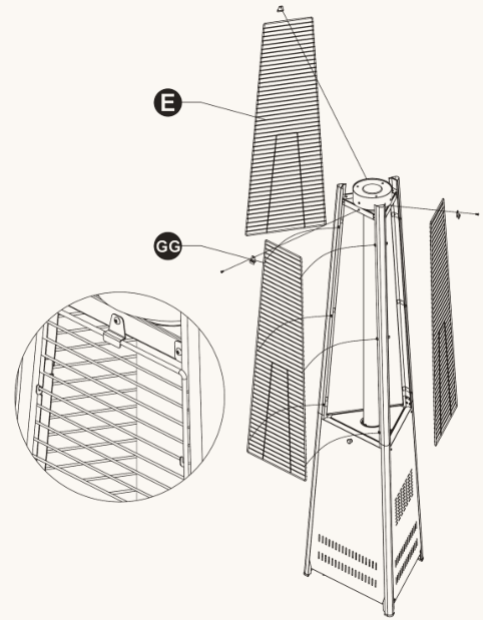
II

Fit the protective guards

Hang the three protective guards (E) on the upper supports and fix them with three M5 × 12 mm screws (DD) and three fixing brackets (GG).

HARDWARE AND TOOLS

DD	M5 × 12 mm screw	× 3
GG	Fixing bracket	× 3
PP	Phillips screwdriver	× 1



I2

Attach the reflector

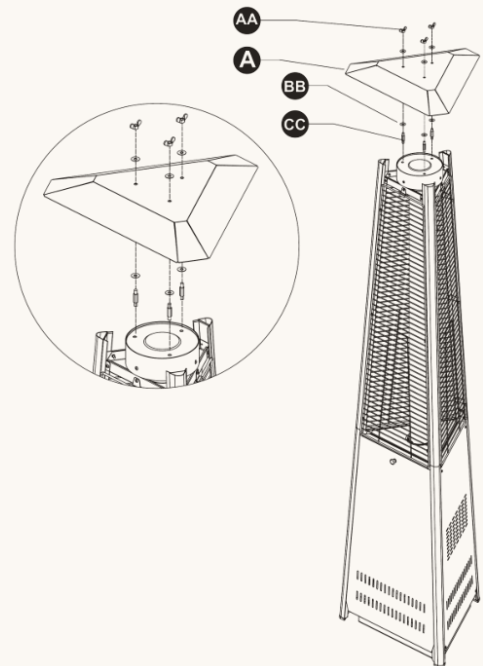
Lean the heater carefully and install the reflector (A) on three studs (CC).

Place a small flat washer (BB) on each stud, fit the reflector, then a second washer, and fasten with the wing nuts (AA).

Gently return the assembly to the upright position.

HARDWARE AND TOOLS

AA	Wing nut	× 3
BB	Small flat washer 8	× 6
CC	Stud	× 3

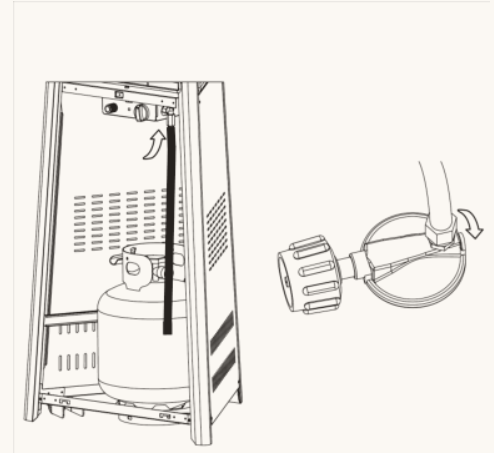


I3

Connect the gas hose

Connect one end of the gas hose to the threaded fitting on the control box assembly and tighten. Do not cross-thread.

Connect the other end of the gas hose to the regulator and tighten. Do not cross-thread.



I4

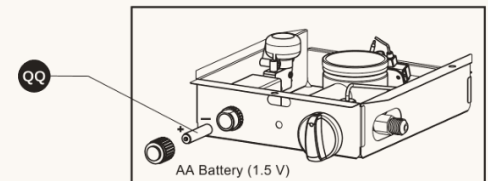
Fit the battery

Unscrew the igniter switch button on the control box assembly (H), load the AA battery (QQ), and tighten the switch button back on.

HARDWARE AND TOOLS

QQ AA battery (1.5 V)

× 1

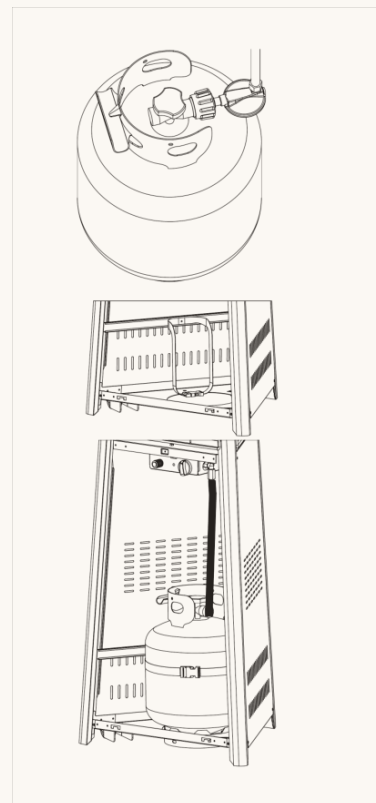


I5

Connect the cylinder

Connect the regulator to the propane cylinder. Install the cylinder and secure it with the block belt (K) tightly.

Use a standard 20 lb propane cylinder only. The cylinder and gas are sold separately.



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.

Connect the Gas Supply

Complete the assembly before connecting gas. Never connect an unregulated cylinder to this heater. Use a standard 20 lb propane cylinder only, with a vapor-withdrawal supply system; the cylinder is sold separately. The pressure regulator and hose assembly supplied with the appliance must be used.

Cylinder requirements

- Constructed and marked per U.S. DOT specifications for LP-gas cylinders or, in Canada, CAN/CSA-B339.
- Fitted with a listed overfilling prevention device (OPD), a collar protecting the cylinder valve, and a connection compatible with the supplied regulator.
- Never use a dented, rusted or damaged cylinder. Never fill a cylinder beyond 80 percent full.
- Replace the dust cap on the valve outlet whenever the cylinder is not in use. Never store a spare cylinder under or near this appliance, or in an enclosed area.

Natural gas units

NOTICE

Professional installation only

Connection to a fixed natural gas line must be carried out by a qualified, licensed gas technician in accordance with local codes or, in their absence, ANSI Z223.1/NFPA 54 or CSA B149.1. Check the rating plate to confirm the fuel before connecting any supply.

- Natural gas units operate at 4–7 in W.C. The supply line must be sized for the total BTU load of every appliance on it, never smaller than ¾" inside diameter.
- A manual gas shut-off valve must be installed in an easily accessible location.
- Natural gas units ship with a 10 ft quick-connect hose. Never connect a gas line directly to the heater without the pressure regulator supplied.

Leak Check

Carry out this check now, whenever a cylinder is changed, and any time a gas connection has been loosened or removed.

Step	Action
1	Mix 2–3 oz of leak-check solution — one part liquid dish detergent to three parts water.
2	Make sure all heater valves are OFF.
3	Apply the solution to the hose-to-regulator joint, the regulator-to-cylinder joint, and every other hose and valve connection.
4	Turn the cylinder valve ON and watch each joint.
5	Bubbles mean a leak: turn the cylinder valve OFF, tighten or reconnect, and test again. If bubbles continue at the hose, contact Lava Heat Italia for a replacement.

 WARNING

- Perform all leak tests outdoors, with all open flames extinguished. Never leak-test while smoking, and never use a flame to check for leaks.
- Do not use the heater until every connection has been leak tested and does not leak.

First 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.

Lighting

Step	Action
1	Turn the control knob to OFF.
2	Fully open the cylinder valve (LP) or supply shut-off valve (NG).
3	Push the control knob in and turn it to PILOT. For the first start, or after any cylinder change, hold it in for 2 minutes to purge air from the line.
4	Keeping the knob pressed, push and release the igniter button until the pilot flame is visible through the glass tube.
5	Once the pilot is lit, keep the knob pressed for 30 seconds, then release.
6	Push in and turn the knob to HIGH. For less heat, push in and turn further to LOW.

If the pilot does not stay lit, repeat steps 3 to 5. If the igniter fails, hold the knob in at PILOT and light the pilot with a long-stem lighter through the glass tube. Holding the knob in for more than 20 seconds before the gas ignites can cause a ball of flame.

Check the flame

In normal operation the flame is two-thirds the height of the glass tube on HIGH and one-third on LOW — stable and bright, with no noise or thick black smoke.

Full lighting, shut-down, care and troubleshooting instructions are in the Use & Care Guide.

Before You Walk Away

#	Confirm
1	Every component removed or fitted during assembly is in place and fastened.
2	The glass tube is seated correctly and every protective guard is refitted.
3	The reflector is secure on all of its studs or spacers.
4	All gas connections have been leak tested and are leak-free.
5	The gas hose is routed clear of every hot surface.
6	The heater stands outdoors on a hard, level surface, outside any enclosure.
7	Clearances are met — 36" at the sides and 36" at the top, from combustible materials.
8	The heater is clear of windows, air intakes, sprinklers and other water sources.
9	The cylinder is secured and its enclosure is clear of debris.
10	A dry chemical fire extinguisher is readily available.



WARNING

- The heater is hot during and after use. Do not touch or move it for at least 45 minutes after shutdown.
- Any guard or protective device removed for servicing must be replaced before the heater is returned to service.

Do not return this product to the retailer. For missing or damaged parts, technical support or replacement parts, contact Lava Heat Italia directly.

Lava Heat Italia · Established 2001
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