PALERMO COLLECTION

The Palermo

Assembly Guide

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	Palermo
SKU	LHI-PALERMO
Configuration	Flat-pack, two cartons
Estimated time	approx. 60 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.

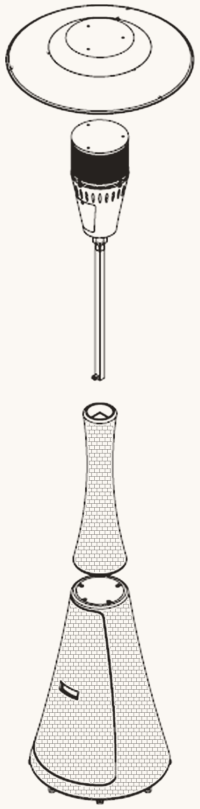
Before You Begin

Estimated time: approximately 60 minutes. Work on a clean, level surface; a second person is helpful when the heater is laid down for the reflector. Steps 1 and 2 build the body, steps 3 and 4 the post and burner, and steps 5 and 6 fit the reflector. Step 7, the propane connection, follows on the fuel page.

Hand-start every fastener first and tighten fully only once each section is aligned.

Package contents

Before assembly, make sure all parts are present. Lay every component out on a clean, flat surface. If any part is missing or damaged, do not attempt to assemble the product — contact Lava Heat Italia for replacement parts. The reflector (A) is packed in the flat carton; everything else is in the main carton.



Ref	Part	Qty
A	Reflector, one piece	1
A	C · Burner	1
C-1	Pre-assembled door	1
D	Post	1
C	E · Upper body	1
F	Lower body	1

Fasteners (AC1–AC5) are listed under Hardware.

Hardware

Verify all hardware is present before assembly. Codes match the factory hardware bag and the assembly steps that follow.

Ref	Item	Qty	Used in
AC1	Wing nut	3	Step 6
AC2	Reflector spacer	3	Step 5
AC3	M6 × 20 screw	8	Steps 1, 3
AC4	M6 × 35 long screw	1	Step 4
AC5	ø8 washer	6	Steps 5, 6

A Phillips screwdriver and leak-check solution (one part liquid dish soap to three parts water) are required and are not supplied. The igniter takes one AAA battery, not supplied.

Assembly

1

Join the upper and lower body

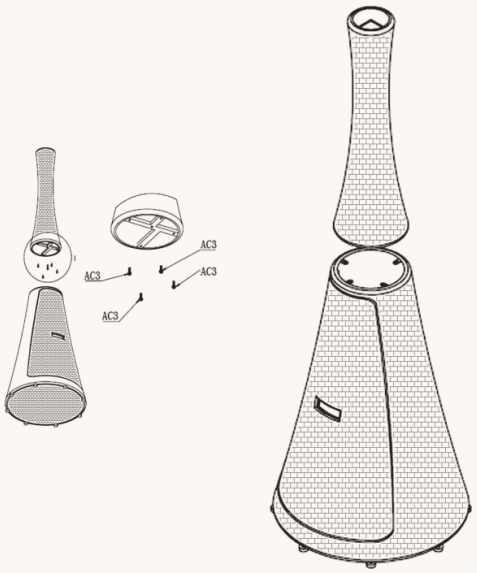
Set the upper body (E) onto the lower body (F) and align the holes of both parts.

Secure with four M6 × 20 screws (AC3).

Adjust the upper body until the holes of the two parts line up before tightening.

HARDWARE AND TOOLS

AC3	M6 × 20 screw	× 4

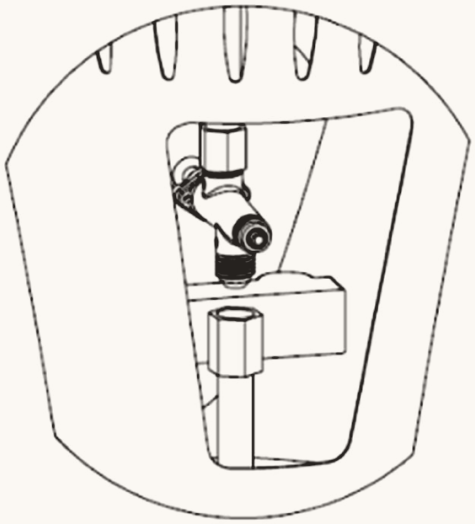


2

Connect the gas hose at the door

Open the pre-assembled door (C-1) and connect the gas hose to the safety valve.

Close and re-fix the door.



3

Mount the burner to the post

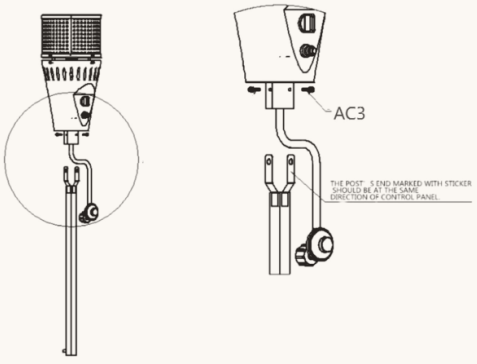
Draw the hose out of the post and lay it straight on the ground.

Connect the burner (C) to the post (D) with four M6 × 20 screws (AC3).

The post end marked with the “F” (front) sticker must face the same direction as the control panel.

HARDWARE AND TOOLS

AC3	M6 × 20 screw	× 4



4

Secure the post to the body

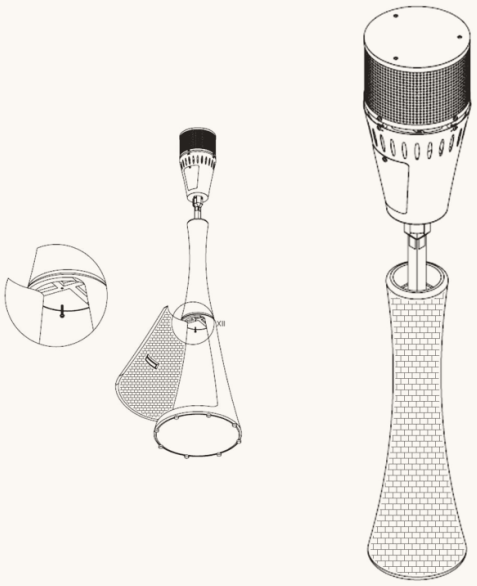
Feed the regulator down through the upper part of the body first.

Seat the post (D) in the body and secure with the M6 × 35 long screw (AC4).

The control panel should face the opposite direction to the fuel door.

HARDWARE AND TOOLS

AC4	M6 × 35 long screw	× 1



5

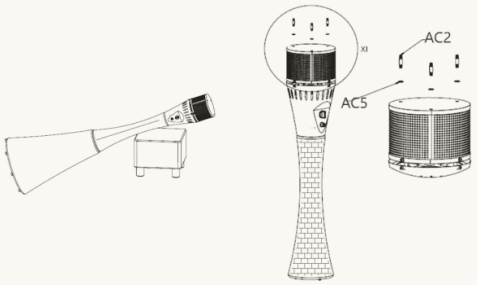
Fit the reflector spacers

Rest the body on a padded support, such as a chair or bench, and lay the heater down.

Thread the three reflector spacers (AC2), each with a ø8 washer (AC5), into the top of the burner (C) and tighten.

HARDWARE AND TOOLS

AC2	Reflector spacer	× 3
AC5	ø8 washer	× 3



6

Attach the reflector

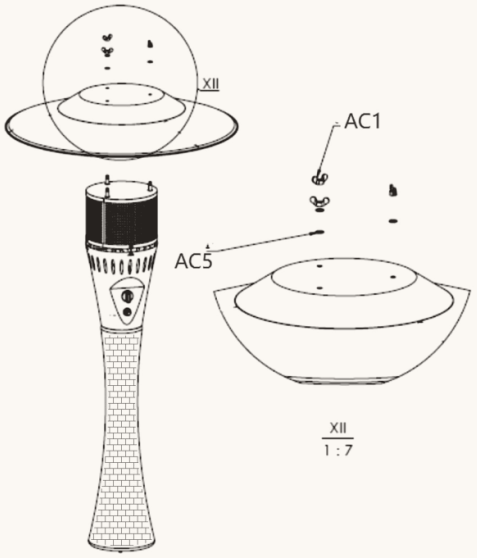
Set the reflector (A) over the burner (C) so the spacer threads pass through it.

Place a ø8 washer (AC5) over each threaded end and secure with the wing nuts (AC1).

Hand-tighten the wing nuts only — do not overtighten.

HARDWARE AND TOOLS

AC1	Wing nut	× 3
AC5	ø8 washer	× 3



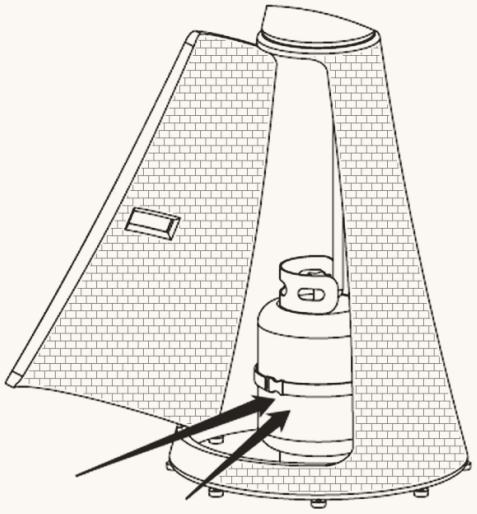
7

Connect the propane cylinder

Screw the gas hose and regulator onto a standard 20 lb (9 kg) propane cylinder, not supplied. Do not cross-thread the connection.

Stand the cylinder in the lower body (F) and secure it with the strap so it cannot tip.

Leak test every connection (see Leak Check), then close the door.



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

The Palermo's teardrop control plate carries the PILOT / MIN / MAX knob and the PUSH start button. With the knob straight up, the heater is off.

Lighting

Step	Action
1	Fully open the cylinder valve (LP) or supply shut-off valve (NG).
2	Push the knob down and turn it left to PILOT. Keep holding it down.
3	Press the PUSH start button repeatedly until a steady blue pilot flame appears.
4	Release the start button, but keep holding the knob down for a further 10–15 seconds.
5	Release the knob and turn it left through MIN to MAX, then set the heat you want.

Never hold the knob down for more than 10 seconds before the pilot lights. For the initial start, or after any cylinder change, allow extra time for air to purge from the line.

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 reflector is secure on all of its studs or spacers.
3	All gas connections have been leak tested and are leak-free.
4	The gas hose is routed clear of every hot surface.
5	The heater stands outdoors on a hard, level surface, outside any enclosure.
6	Clearances are met — 36" at the sides and 36" at the top, from combustible materials.
7	The heater is clear of windows, air intakes, sprinklers and other water sources.
8	The cylinder is secured and its enclosure is clear of debris.
9	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
940 W. Washington Blvd., Los Angeles, CA 90015
310-559-1700 · customerservice@lavaheat.com · lavaheat.com