

INSTRUCTION MANUAL FOR TABLE TOP HEATER MODEL HPS-B



- ★ Certified to international recognized standards.
- ★ Variable control gas valve with piezo push igniter.
- ★ Steel with powder coated green or stainless steel.
- ★ 88cm total height.

Please retain this manual for reference

CE 0407 – 27750/441/C

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2005 Edition the front page

WARNING SAFETY RULES

PLEASE READ THE FOLLOWING SAFETY RULES PRIOR TO OPERATION
OF THE HEATER

WARNING

If you smell gas:

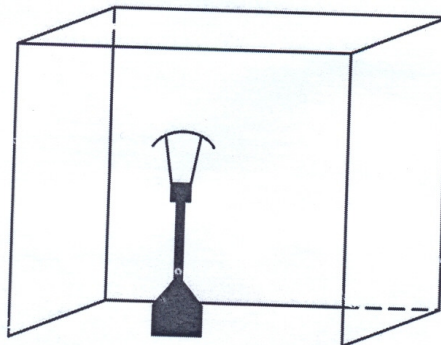
1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. If odor continues, immediately call your gas supplier or your fire department.

WARNING

1. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
2. An LPG cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

WARNING: For Outdoor Use or in Amply Ventilated Areas

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. As per diagram below.



**THE USE OF THIS APPLIANCE IN ENCLOSED AREAS CAN BE DANGEROUS AND IS
PROHIBITED**

WARNING: 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.

READ SAFETY REQUIREMENTS BEFORE OPERATION

- ☆ The installation must conform with local codes or, in the absence of local codes, with either the National Fuel Gas Code, Propane Installation Code.
- ☆ This outdoor gas appliance is not intended to be installed in or on recreational vehicles and/or boats.
- ☆ Maintain proper clearances from combustible construction the specific minimum clearances from such construction to the sides and back of the outdoor gas appliance.
- ☆ Inspect the hose before each use of the outdoor gas appliance.
 - ☆ If it is evident there is excessive abrasion or wear out, or the hose is cut, it must be replaced prior to this outdoor gas appliance being put into operation. The replacement hose assembly shall be that specified by the manufacturer.
- ☆ Properly locating the gas hose, including locating the hose out of pathways where people may trip over it or in areas where the hose may be subject to accidental damage.
- ☆ Maintenance Instruction
 - ◇ Keeping outdoor gas appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
 - ◇ Not obstructing the flow of combustion and ventilation air.
 - ◇ Keeping the ventilation opening(s) of the cylinder enclosure free and clear from debris.
 - ◇ Visually checking burner flames.
 - ◇ Cleaning this outdoor gas appliance, including special surfaces, with recommended cleaning agents, if necessary.
 - ◇ Checking and cleaning burner tubes for insects and insect nests, A clogged tube can lead to a fire beneath the grill.
- ☆ Maintain adequate clearance around air openings into the combustion chamber, clearances from combustible material, provisions accessibility and for combustion and ventilating air supply.
- ☆ Certain materials or items, when stored under the appliance, will be subjected to radiant heat and could be seriously damaged.

WARNING:

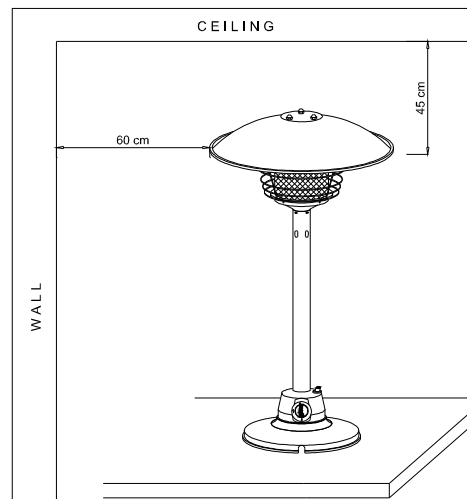
1. Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.
2. Young children should be carefully supervised when they are in the area of the heater.
3. Clothing or other flammable materials should not be hung from the heater, or placed on or near the heater.
4. Any guard or other protective device removed for servicing, the appliance must be replaced prior to operating.
5. Installation and repair should be done by a qualified service person. The heater should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that control compartment, burners and circulating air passageway of the appliance be kept clean.

SAFETY RULES FOR OUTDOOR GAS APPLIANCE

- ☆ This outdoor gas appliance shall be used only outdoors and shall not be used in a building, garage or any other enclosed area.
- ☆ If this outdoor gas appliance is not use, the gas must be turned off at the supply cylinder.
 - ☆ Storage of this outdoor gas appliance indoors is permissible only if the cylinder is disconnected and removed from the outdoor cooking gas appliance.
 - ☆ Cylinders must be stored outdoors in a well-ventilated area out of the reach of children and must not be stored in a building, garage or any other enclosed area.
- ☆ The clip on propane gas regulator and hose assembly supplied with this outdoor gas appliance must be used. Replacement pressure regulators and hose assemblies must be those specified by the manufacturer.
- ☆ The cylinder supply system must be arranged for vapor withdrawal.
- ☆ The cylinder used must include a collar to protect the cylinder valve.

TABLE HEATER STAND AND LOCATION

- ☆ The garden table heater is for outdoor use only. Always ensure that adequate fresh air ventilation is provided.
- ☆ Always maintain proper clearance to combustible materials, i.e. top 45 cm and sides 60 cm minimum.
- ☆ Garden table heater must be fixed on a stable and strong table.
- ☆ Never operate heater in an explosive atmosphere like in areas where gasoline or other flammable liquids or vapors are stored.



GAS REQUIREMENTS

- ☆ Use propane gas only.
- ☆ Maximum inlet pressure of propane regulator must not exceed 100 PSI.
- ☆ A minimum supply pressure of 28 cm (11”) W.C. is required for the purpose of input adjustment for propane gas.
- ☆ The pressure regulator and hose assembly to be used must conform to local standard codes.
- ☆ The installation must conform to local codes, or in the absence of local codes, with the standard for the storage and handling of liquid petroleum gases.
- ☆ A dented, rusted or damaged propane tank may be hazardous and should be checked by your tank supplier. Never use a propane tank with a damaged valve connection.
- ☆ The propane tank must be arranged to provide for vapor withdrawal from the operating cylinder.
- ☆ Never connect an unregulated propane tank to the heater.

PROCEDURE FOR LEAKAGE TEST

NEVER CONNECT AN UNREGULATED GAS SUPPLY TO APPLIANCE PRECAUTIONS

- ☆ Periodically check the whole gas system for leaks.
 - ☆ Immediately check for leaks if smell of gas is detected.
 - ☆ Extinguish all open flames during leakage test or when smell of gas is detected.
 - ☆ Never smoke while performing leak test.
 - ☆ If you cannot stop a leak, turn off the gas supply immediately and contact the dealer where you bought your heater unit, or your gas supplier.
 - ☆ The appliance must be checked with a full gas tank.
- DO NOT use the heater until you have performed leak test on all the connections and verified that your unit does not leak.
- ☆ Use only parts recommended by the manufacturer. Substitution can void the warranty.

TESTING FOR GAS LEAKAGE

Gas connections on the appliance are leak tested at the factory prior to shipment. Possible mishandling of the appliance during the shipment might contribute to product integrity as a whole. A complete gas leakage test must be performed again at the installation site. Please follow the procedure below for leakage test.

- ☆ Make a soap solution of one part liquid detergent and one part water. The soap solution can be applied with spray bottle, brush or rag. Soap bubbles will appear where a leak is present.
- ☆ Make sure the safety control valve is in the “OFF” position.
- ☆ Turn ON the gas supply and check for bubbles from the hoses and connections. Presence of bubbles means that a gas leak is present.
- ☆ If a leak is present, turn OFF the gas supply immediately, tighten any leaking fitting, turn gas supply ON and recheck.



VISUALLY CHECKING BURNER FLAMES

The flame pattern at the emitter grid should be visually checked whenever the appliance is operated. Under the following conditions the appliance should be turned off immediately and NOT operated again until repair are made:

- ✧ When the pilot flame extends more than 1/2 inch beyond surface of the emitter grid.
- ✧ When black soot accumulates on the emitter grid.

OPERATION AND STORAGE

TO TURN ON THE HEATER

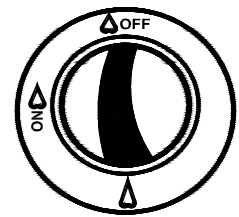
1. Turn on the gas supply at the regulator by turning the lever on the regulator to the “ on “ position. This is after you have correctly fixed your regulator to your gas bottle.
2. Firmly press down and turn the variable control knob for approximately 45°(counter anti-clockwise). 
3. Press down the variable control knob and hold for 20 seconds. while holding down the variable control knob, press the igniter button several times until the pilot flame comes on. Release the variable control knob after the pilot flame lights. 
4. If the pilot does not light, repeat step 2 to 3.

Note: If a new tank has just been connected, please allow at least one minute for the air in the gas pipeline to purge out through the pilot hole.

5. After the flame comes on , leave the variable control knob at minimum position for about 5 minutes, then switch to a desire temperature position.

TO TURN HEATER AND PILOT OFF

1. Turn control knob to “ON” position.
2. Then , press down lightly and turn to “OFF” position.
3. Turn the gas tank off completely.



Variable Control Knob

TO STORE THE HEATER UNIT

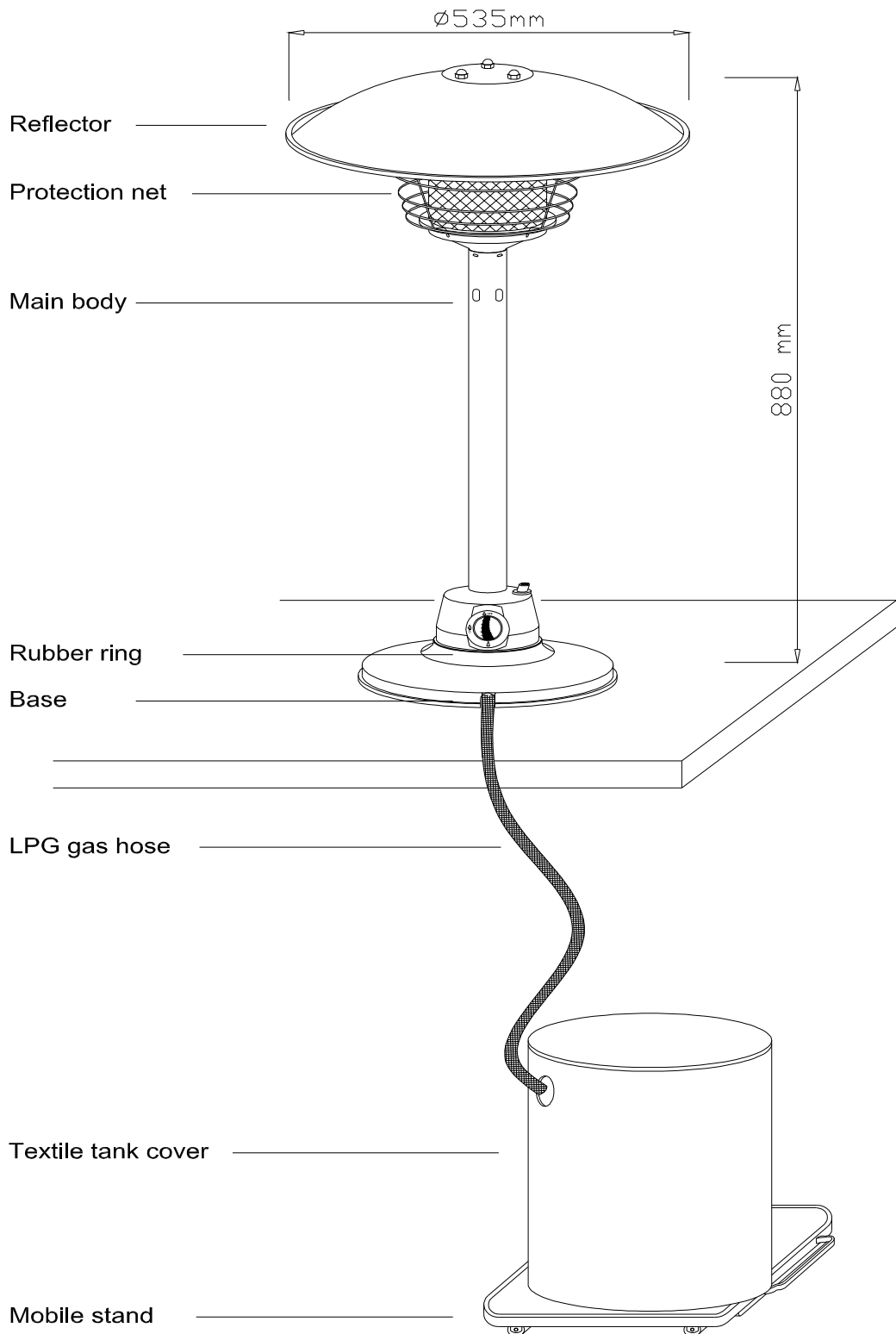
1. Turn the gas tank to complete closed position.
2. Remove the pressure regulator and the hose attachment.
3. Inspect the gas tank for damage. If you suspect that your tank is damaged, return it to your gas tank supplier.
4. Store the gas tank in a well-ventilated area. Never store the gas tank below ground(for example, basement).

CLEANING AND CARE

1. Wipe off tarnished surfaces with soft, moist rag.
2. Do not use harsh chemical or abrasives to clean the heater housing. If necessary, use mild detergent.

Improper Lighting Procedures May Cause Personal Injury Or Property Damage.

PARTS AND SPECIFICATION



TANK COVER AND MOBILE STAND ARE NOT SUPPLIED AND ARE FOR ILLUSTRATIVE PURPOSES ONLY *

A. Construction and characteristics

- ☆ Gas heater for garden table
- ☆ Textile tank cover(optional)
- ☆ Gas hose with metal screw clips
- ☆ Stainless steel flame screen
- ☆ Heat emission from reflector

B. Specification

- ☆ For outdoor use only
- ☆ Uses propane gas only
- ☆ Max. wattage: 4,000 Watts
- ☆ Heat capacity: 13,600 BTU
- ☆ Weight: 8.6kgs
- ☆ Height: 880 mm approx
- ☆ With CSA & CE certificate

C. Table of openings

Gas pressure (mbar)	Main opening	Opening of pilot burner
≤50	0.9mm	0.18 mm

ASSEMBLY PARTS

Tools needed:

- ☆ Adjustable opening wrench (2) 20 cm long
- ☆ Slip joint pliers 23 cm long
- ☆ Philips screwdriver w/ medium blade
- ☆ Teflon plumbing tape for joints
- ☆ Spray bottle of soap solution for leakage test

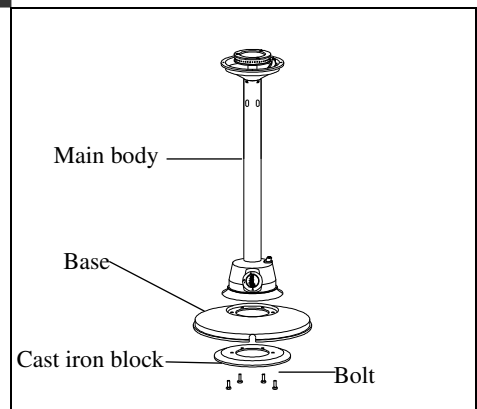
Other parts supplied:

- ☆ 3 pcs M6 castle nuts
- ☆ 4 pcs M6×16mm bolts
- ☆ 4 pcs M4×8 mm bolts
- ☆ 9 pcs Ø6 mm washers
- ☆ Reflector Ø535 x (D)100 mm

ASSEMBLY PROCEDURE

STEP 1:

- 1-1. Put the base and cast iron block under the main body in the picture.
- 1-2. Use 4 pcs M6×16 mm bolts to join the base & cast iron block and the main body.
- 1-3. Tighten each of the bolts.

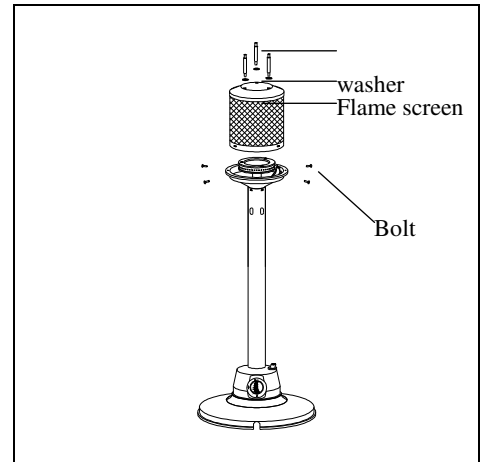


STEP 2:

STEP 1

Supporting bolt

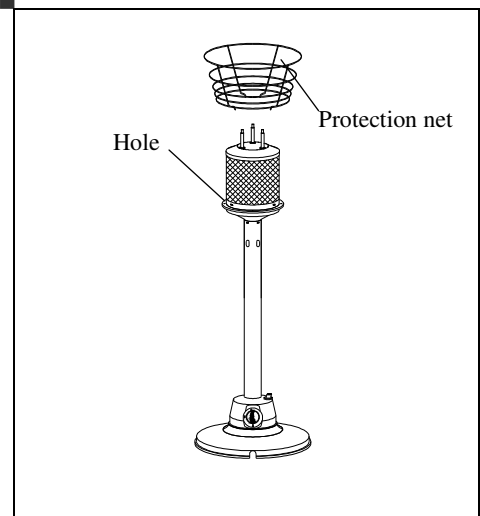
- 2-1. Join 3pcs supporting bolts & 3pcs washers to the burner mesh.
- 2-2. Put the burner mesh into burner base.
- 2-3. Use 4 pcs M4×8 mm stainless steel bolts to join the burner mesh and the base as shown.
- 2-4. Tighten each of the bolts.



STEP 2

STEP 3:

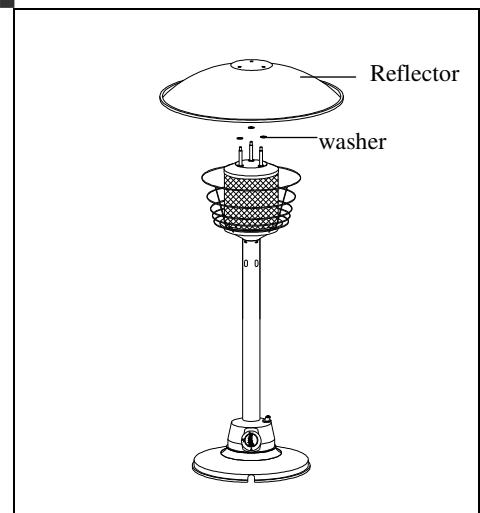
- 3-1. Put the protection guard over the burner mesh and align with the 4-Ø3mm holes around the base as shown.



STEP 3

STEP 4:

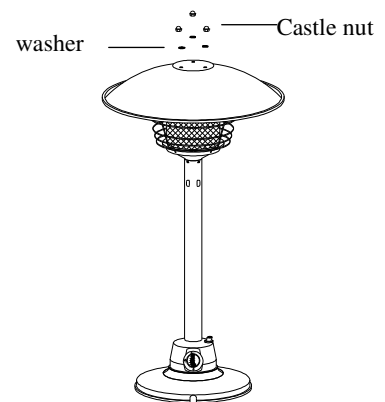
- 4-1. Set 3 pcs washers above the 3 pcs supporting bolts.
- 4-2. Put reflector canopy onto the top of flame screen aligning through the 3 pcs supporting bolts.



STEP 4

STEP 5:

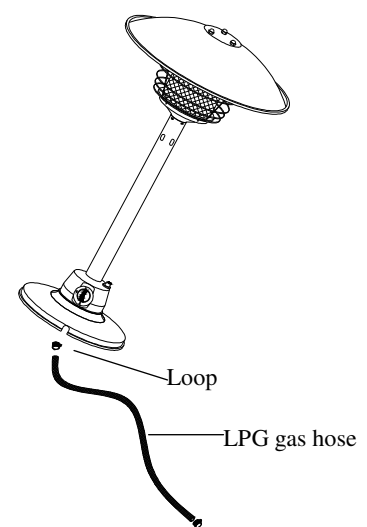
- 5-1. Place 3 pcs castle nuts & 3 pcs washers on each reflector supporting bolts.
- 5-2. Tighten each of the castle nuts.



STEP 5

STEP 6:

- 6-1. Connect the LPG gas hose to the table heater gas inlet connector with a threaded clip.
- 6-2. Tighten the clip.

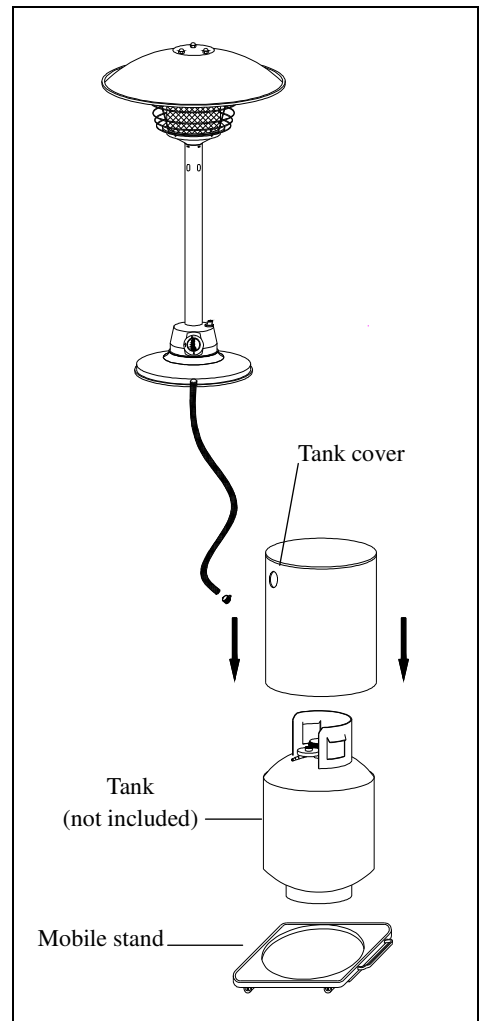


STEP 6

STEP 7:

- 7-1. Connect the regulator to the other end of the gas hose and connect it to your LPG gas tank.

TANK COVER AND MOBILE STAND ARE ONLY AVAILABLE AND APPROVED FOR THE AMERICAN MARKET AND AS SUCH ARE NOT RELVANT FOR SUPPLIES INTO THE EUROPEAN UNION.

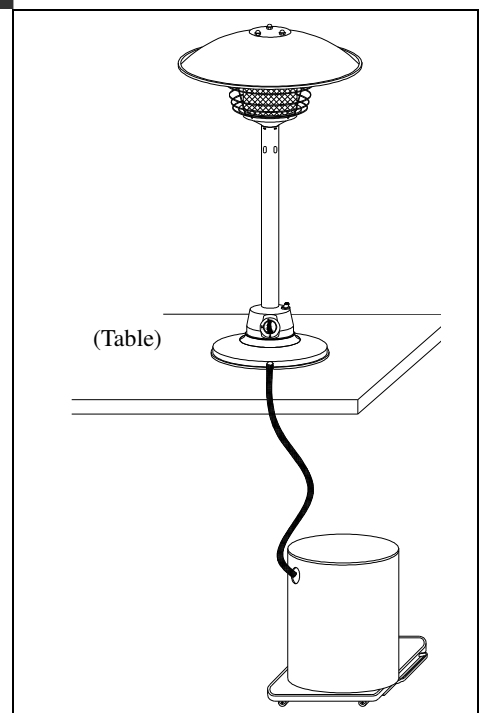


STEP 7

STEP 8:

- 8-1. Adjust the gas tank to advisable position, for example under the table.

YOU MUST PERFORM A GAS LEAK TEST PRIOR TO USING YOUR HEATER



STEP 8

PROBLEMS CHECK LIST

PROBLEM	PROBABLE CAUSE	SOLUTION
Pilot will not light	Gas valve maybe OFF	Turn the gas valve ON
	Tank fuel empty	Refill LPG tank
	Opening blocked	Clean or replace opening
	Air in supply system	Purge air from lines
	Loose connections	Check all fittings
Pilot will not stay on	Debris around pilot	Clean dirty area
	Loose connections	Tighten connections
	Thermocouple bad	Replace thermocouple
	Gas leak in line	Check connections
	Lack of fuel pressure	Tank near empty. Refill LPG tank.
Burner will not light	Pressure is low	Tank near empty. Refill LPG tank.
	Opening blocked	Remove and clean
	Control not ON	Turn valve to ON
	Thermocouple bad	Replace thermocouple
	Pilot light assembly bent	Place pilot properly
	Not in correct location	Position properly and retry

Manufactured by:

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Tel: 86-519-3317471

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MODEL	HPS-B
Destination Countries	BE-CH-ES-FR-GB-IE-IT-PT
Category	I3+
M/bar	28-30/37
Power	4.0 Kw

CE 0407

Certificate No: 27750/441/C

To BSEN : 14543:2002