

USE AND CARE GUIDE

ESSENTIAL GARDEN PATIO HEATER

Product Code: 640-08477458-7

UPC Code: 6937419204603

Date of Purchase: ____/____/____



WARNING

For outdoor use only.



DANGER

If you smell gas:

1. Shut off gas to appliance.
2. Extinguish any open flame.
3. If odor continues, keep away from the appliance and immediately call your gas supplier or 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 LP-cylinder not connects for use shall not be stored in the vicinity of this or any other appliance.



WARNING

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



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.



Save these instructions for future reference.

If you are assembling this unit for someone else, give this manual to him or her to read and save for future reference.

If you experience any problems with your heater, DO NOT RETURN THE PRODUCT TO THE STORE, please call 1-855-CHANT-US (1-855-242-6887) for assistance. 8 am to 5 pm Eastern time, Monday to Friday.

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PRODUCT SPECIFICATIONS

Certification	CSA
Height Overall	86.60 inches
Reflector Diameter	31.50 inches
Rated Heat Input	40,000 BTU/HR
Fuel	Propane-LP
Gas Supply	20-Lb LP-Gas cylinder
Manifold Pressure	11 inches W.C
Injector Size (diameter)	1.92 mm
Safety Features	Thermocouple & Tilt Switch
Gas Supply Pressure	Max 150 PSI, Min 5 PSI

SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate or install the product. If you have any questions regarding the product, please call customer service at: 1-855-CHANT-US (1-855-242-6887) from 8:00 am to 5:00 pm Eastern time, Monday to Friday.

1. **CALIFORNIA PROPOSITION 65 WARNING:**

- (a) Combustion by-products produced when using this product contain chemicals known to State of California to cause cancer, birth defects and other reproductive harm.
 - (b) Handling the brass material on this product exposes you to lead, a chemical known to the state of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.
2. The installation must conform with local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1 /NFPA 54, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling Code, B149.2*.
3. Minimum clearance to the combustible materials is 44 inches.
4. Perform a leak test with a soapy solution:
- (a) To check gas connections.
 - (b) After connecting a new cylinder.
 - (c) Upon re-assembly after disassembly.
- Please refer to the leak test procedure indicated in this instruction manual on page 15.
- Replace the hose assembly prior to the appliance being put into operation if there is evidence of excessive abrasion or wear, or if the hose is damaged. The pressure regulator and hose assembly supplied with the appliance must be used. The replacement hose assembly/ regulator shall be that specified by the manufacturer.
5. If you don't feel the heater is on a stable surface, use a ground screw to fix the base of the heater on the surface where the heater is installed. Fix the base on an incline no wider than 15 degrees.
6. Place the propane hose with regulator assembly out of pathways where people may trip over it or in areas where the hose will not be subjected to accidental damage.
7. This heater is equipped with a battery-operated ignition device; please refer to the assembly instructions on page 14.
8. Materials or items when stored under the heater will be subjected to intense heat and could be seriously damaged.
9. Clothing or other flammable materials should not be hung on the heater, or placed on, under or near the heater.
10. Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.
11. Young children should be carefully supervised when they are in the area of the heater.
12. Any guard or other protective device removed for servicing the heater must be replaced prior to operating the heater.

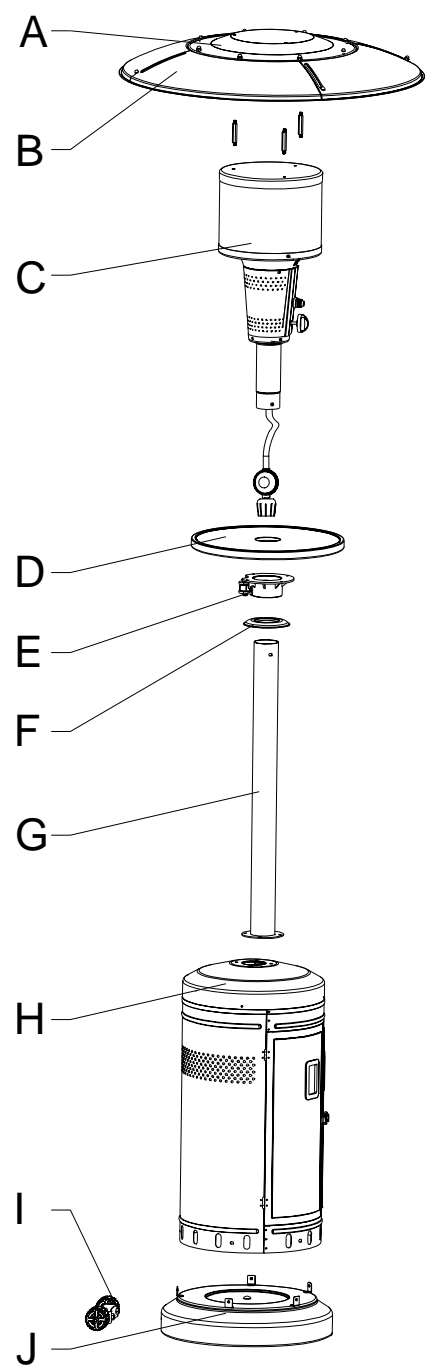
SAFETY INFORMATION

13. Installation and repair should be done by qualified service person, the heater should be inspected before use and at least annually by a qualified service person.
14. More frequent cleaning may be required as necessary. It is imperative that the control compartment, burners and circulating air passageways of the heater to kept clean.
15. Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
16. Do not obstruct the flow of combustion and ventilation air.
17. Keep the ventilation opening(s) of the cylinder enclosure free and clear from debris. Use this appliance in a well-ventilated space only. Do not use it in a building, garage, or any other enclosed area.
Use this appliance in outdoor areas described below:
 - (a) With walls on all sides, but at least one permanent opening at ground level and no overhead cover.
 - (b) Within a partial enclosure that includes overhead cover and no more than two walls. These walls may be parallel, or at right angles to each other.
 - (c) Within a partial enclosure that includes overhead cover and no more than two walls. The following shall apply:
 - (i) One wall that is equivalent to at least 25% of the total wall area is completely open.
 - (ii) 30% or more in total of the remaining wall area is open and unrestricted.
18. The LP-gas supply cylinder to be used must be:
 - (a) Constructed and marked in accordance with the Specifications for LP-gas cylinders of the U.S. Department of Transportation of Dangerous Goods and Commission, CAN/CSA-B339, as applicable;
 - (b) Provided with a listed overfilling prevention device; and
 - (c) Provided with a cylinder connection device compatible with the connection for the appliance.
19. Disconnect the cylinder when the appliance is not in use.
20. Storage of an appliance indoors is permissible only if the cylinder is disconnected and removed from the appliance.
21. Store the cylinder outdoors in a well-ventilated area (not in a building, garage, or other enclosed area) out of the reach of children.
22. The cylinder used must include a collar to protect the cylinder valve.
23. Do not store a spare LP-gas cylinder under or near this appliance;
24. Never fill the cylinder beyond 80 percent full;

SAFETY INFORMATION

25. Place the dust cap tightly on the cylinder valve outlet whenever the cylinder is not in use. Install only the type of dust cap on the cylinder valve that is provided with the cylinder valve. Other types of caps or plugs may result in a propane leak.
26. Inspect the visible portion of the hose before each use of the appliance.
27. More frequent cleaning may be required as necessary. It is imperative that the control compartment, burners and circulating air passageways of the heater be kept clean.
28. Every part of the heater shall be secure against displacement and shall be constructed to maintain a fixed relationship between essential parts under normal and reasonable conditions of handling and usage. Parts not permanently secured shall be designed so they cannot be incorrectly assembled and cannot be improperly located or misaligned in removing or replacing during cleaning or other servicing.

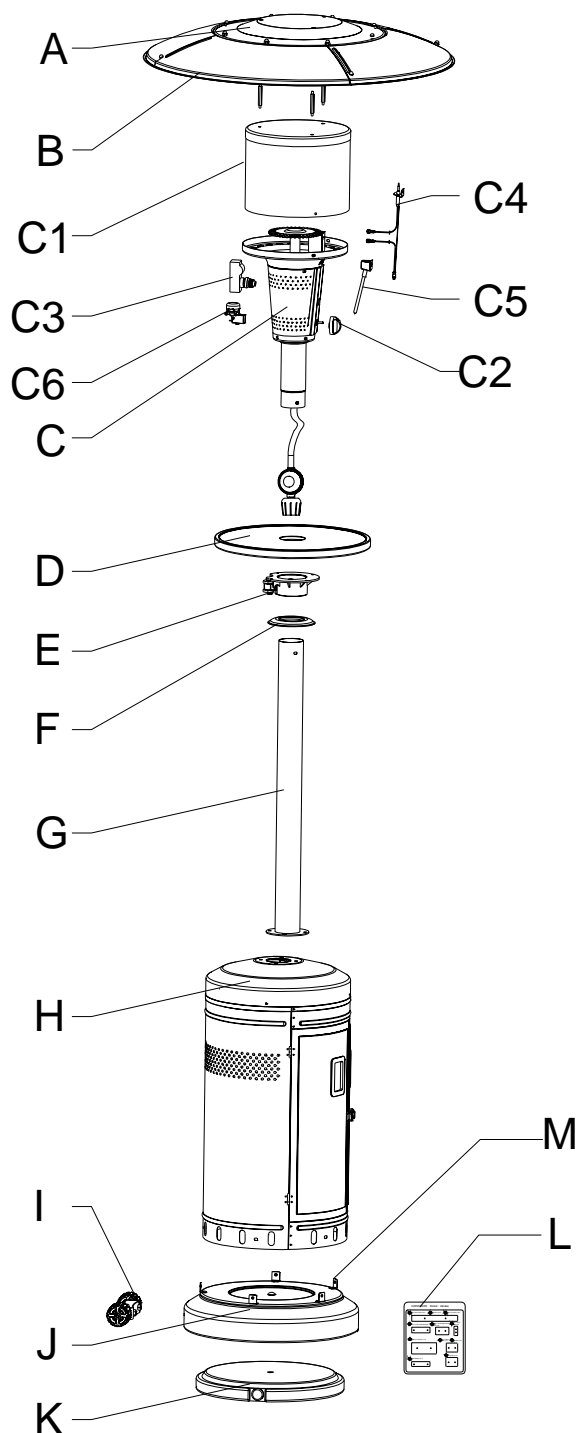
PACKAGE CONTENTS



PART	DESCRIPTION	QUANTITY
A	Top Dome	1
B	KD Dome	4
C	Burner Assembly	1
D	Table Assembly	1
E	Table Support Assembly	1
F	Deck Ring	1












PART	DESCRIPTION	QUANTITY
G	Pole Assembly	1
H	Cylinder Assembly	1
I	Wheel Assembly	1
J	Base	1

REPLACEMENT PARTS LIST



PART	PART NO.	DESCRIPTION	QTY
A	CH182001	Top Dome	1
B	CH182002	KD Dome	4
C	CH182003	Burner Assembly	1
C1	CH182004	Burner Chamber Assembly	1
C2	CH182005	Knob	1
C3	CH182006	Igniter	1
C4	CH182007	Thermocouple	1
C5	CH182008	Ignition Pin	1
C6	CH182009	Tilt Switch	1
D	CH182010	Table Assembly	1
E	CH182011	Table Support Assembly	1
F	CH182012	Deck Ring	1
G	CH182013	Pole Assembly	1
H	CH182014	Cylinder Assembly	1
I	CH182015	Wheel Assembly	1
J	CH182016	Base	1
K	CH182017	Weight Plate	1
L	CH182018	Hardware Pack	1
M	CH182019	Shroud Fix Bracket	1

HARDWARE CONTENTS

AA. M8*15 mm Bolt QTY: 2 pcs	BB. M5*8 mm Black Bolt QTY: 8 pcs	CC.M8 Nut QTY: 2 pcs	DD. AAA Battery QTY: 1pc	EE. M6*10 mm Bolt QTY: 4 pcs	FF. M5*8 mm Silver Bolt QTY: 12 pcs
					
GG. M5 Nut QTY:12 pcs	HH. M5 Washer QTY: 12 pcs	II. Reflector Spacer QTY:3 pcs	JJ. Wing Nut QTY:3 pcs	KK. M4*12 mm Bolt QTY: 4pcs	
					

PREPARATION

Before beginning assembly of product, make sure all parts are present. Compare parts with package contents list and diagram above. If any part is missing or damaged, do not attempt to assemble the product. Contact customer service for replacement parts.

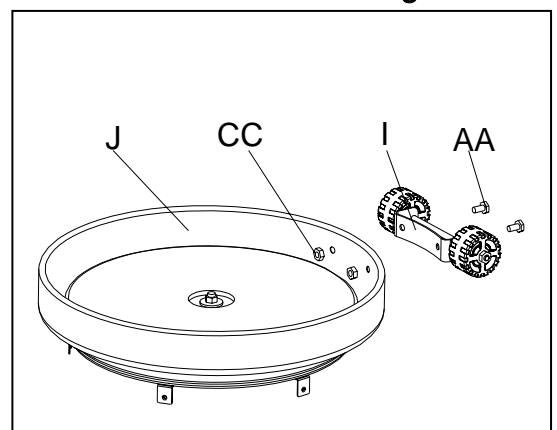
Estimated Assembly Time: 30 minutes

Tools required: Adjustable open wrench, Magnetic Head Phillips Screwdriver (Not included)

ASSEMBLY INSTRUCTIONS

- 1, With the base (J) upside down, attach wheel assembly (I) using M8 x 15 mm bolts (AA) and M8 nuts (CC)

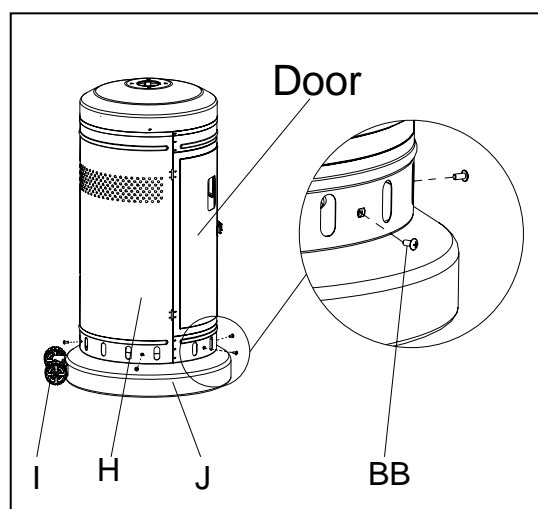
Fig.1



2, Turn the base (J) right-side up, then attach cylinder assembly (H) using M5 x 8 mm black bolts (BB) through preassembled L-pins.

Note: The door on the cylinder assembly (H) should be on the opposite side of the wheel assembly (I).

Fig.2



3, Attach pole assembly (G) to cylinder assembly (H) using M6 x 10 mm bolts (EE).

Note: Ensure the pole assembly (G) is straight. Then, use deck ring (F) to cover connection.

Fig.3

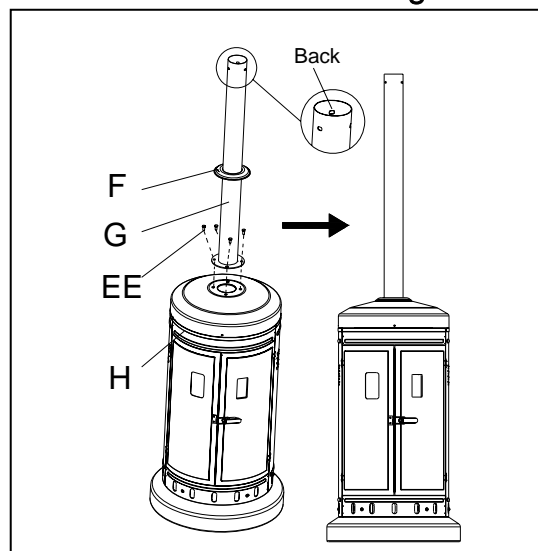


Fig.4

4, Attach table support assembly (E) to table assembly (D) with M4 x 12 mm Bolt (KK).

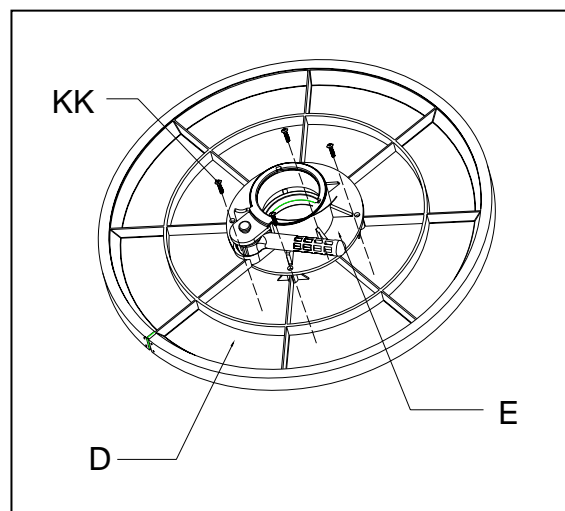


Fig. 5

5. Unlock the handle on table support assembly (E), then insert table assembly onto pole (G). Once the desired height is achieved, turn the handle clockwise to re-lock table support (E).

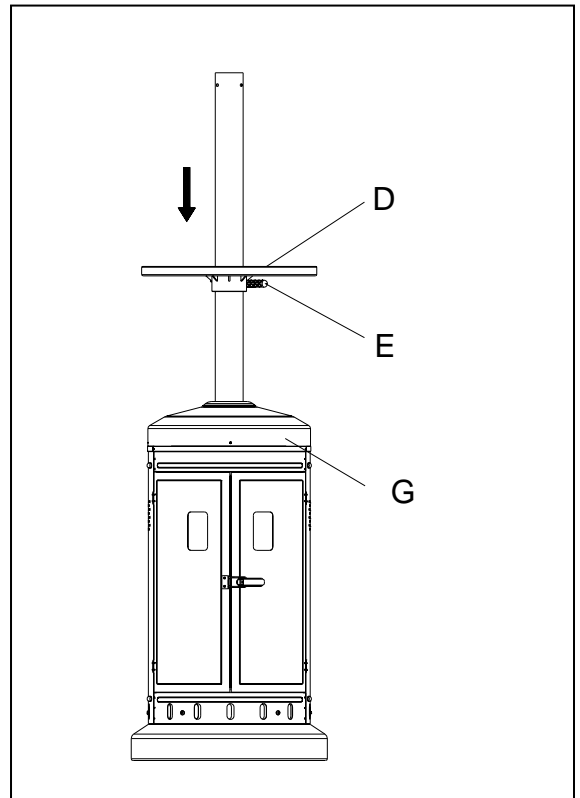
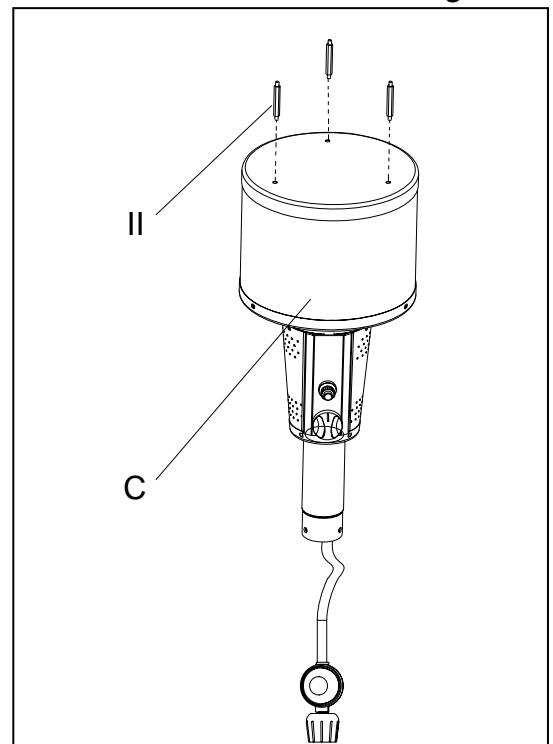


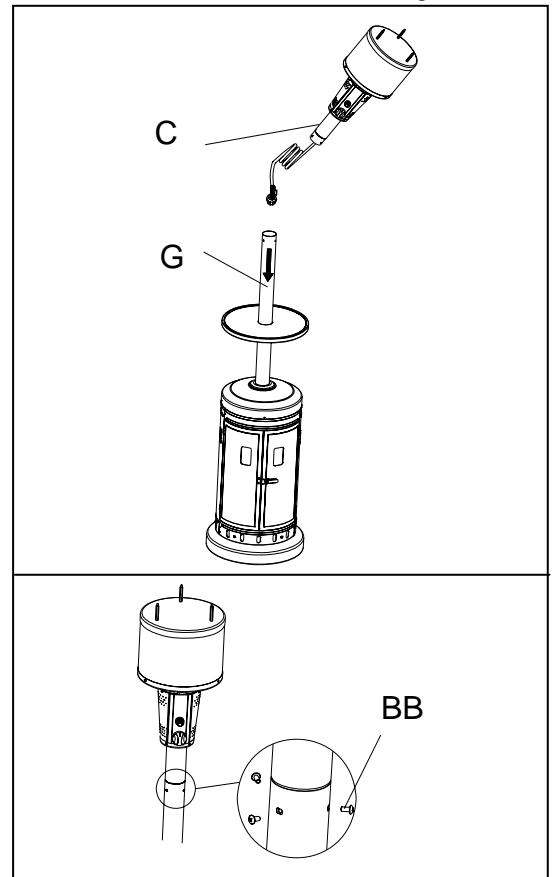
Fig. 6

6. Insert reflector spacers (II) into the top of burner assembly (C).



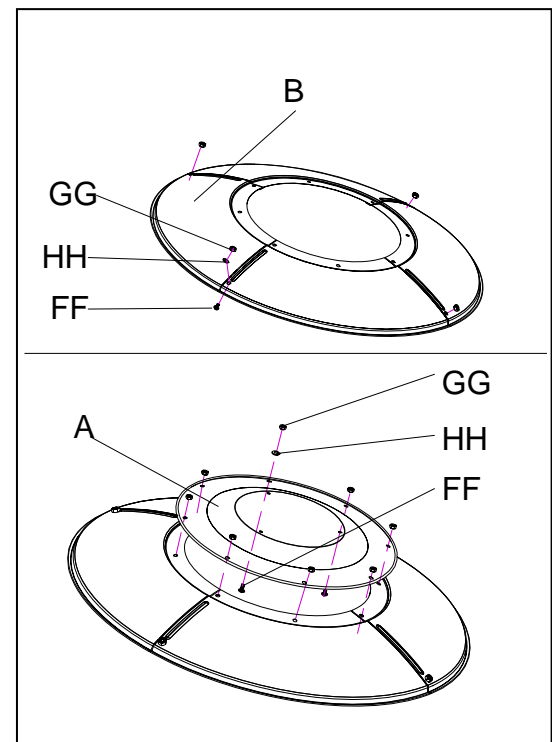
7. Thread the regulator assembly preassembled to burner assembly (C) through the pole assembly (G). Once the burner assembly (C) rests on pole assembly (G), secure with M5 x 8 mm black bolts (BB).

Fig.7



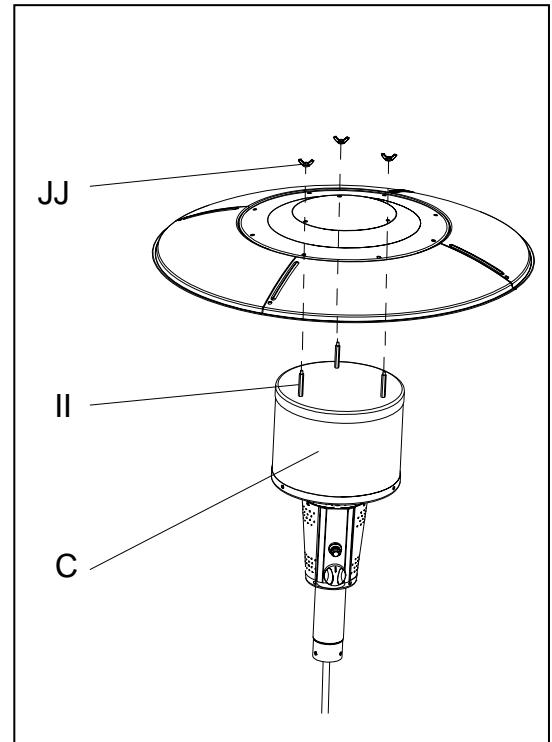
8. Attach KD domes (B) using M5 nuts (GG), M5 washers (HH) and M5 x 8 mm silver bolts (FF). Then, complete dome assembly by attaching top dome (A) to KD domes (B) using M5 nuts (GG), M5 washers (HH) and M5 x 8 mm silver bolts (FF).

Fig.8



9. Attach dome assembly to burner assembly (C) by securing wing nuts (JJ) to reflector spacers (II)

Fig.9



10. Connect the preassembled regulator assembly from burner assembly (C) to a 20-lb. LP-gas cylinder (sold separately). Line up threads on cylinder fitting with those on regulator and rotate clockwise until tight. **HAND TIGHTEN ONLY. DO NOT USE ANY HAND TOOLS TO MAKE THIS CONNECTION.** Be careful not to cross threads when screwing in fitting.

To disconnect the LP-gas cylinder, first make sure the cylinder valve is in the "OFF" position. Then, turn the knob on the regulator assembly counterclockwise until it is loose.

Warning

Before connecting, be sure there is no debris caught in the head of the LP-gas cylinder regulator valve or in the head of the burner and burner ports

Fig.10

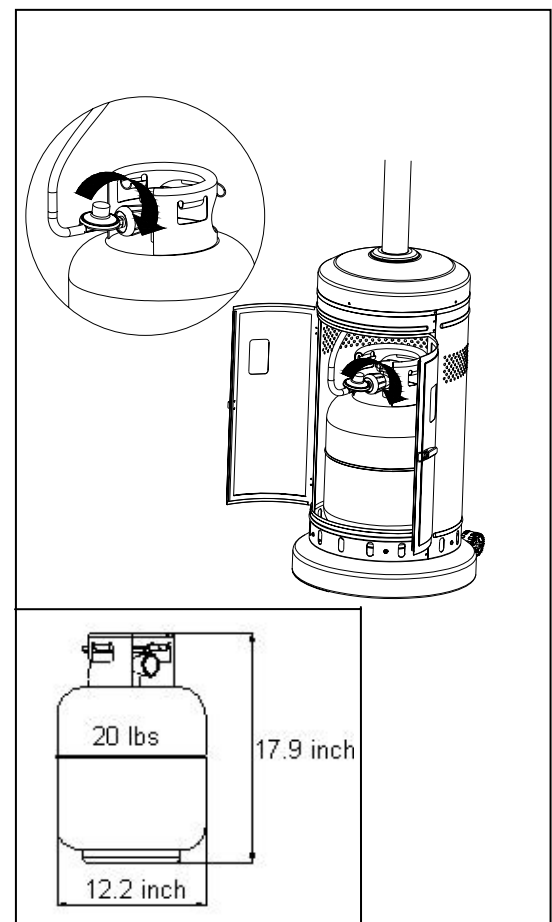


Fig.11

11. Attach strap inside of cylinder assembly (H) to secure cylinder. Then close door on cylinder assembly (H) to complete installation.

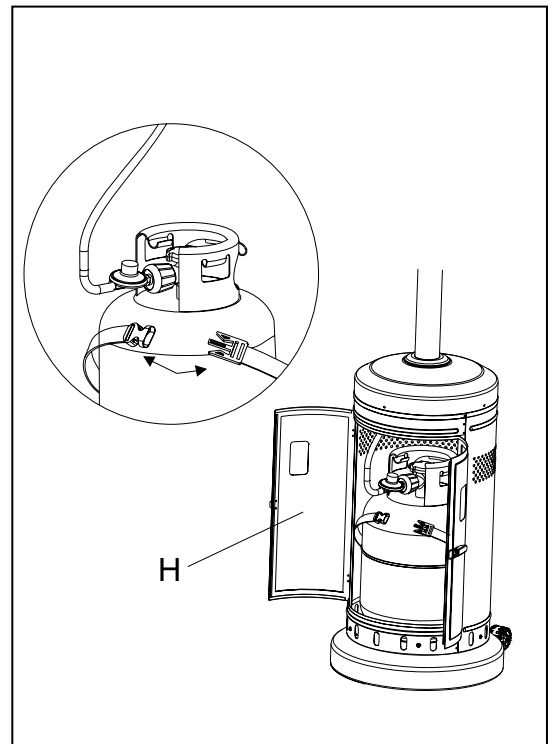
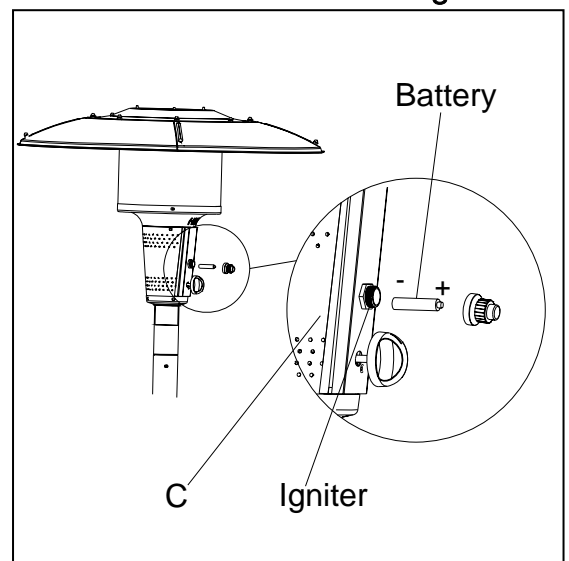


Fig.12

12. To install the battery Size "AAA" (DD), unscrew the igniter cap preassembled to burner assembly (C). Insert battery (DD) into the igniter, ensuring the positive "+" end faces outward. Then replace the igniter cap



OPERATING INSTRUCTIONS

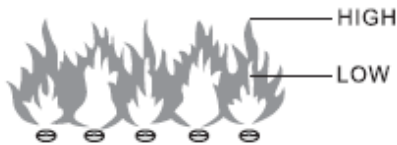
Checking for Leaks

Your patio heater has been checked at all factory connections for leakage. To check the connection at the gas hose/regulator/cylinder:

- Make leakage solution by mixing 1 part liquid dish soap and 3 part water.
- Spoon or brush several drops (or use squirt bottle) of the solution onto the gas hose/regulator and regulator/cylinder and hose connection.
- Turn on gas cylinder valve. Inspect the connections and look for bubbles.
 - If no bubbles appear, the connection is safe.
 - If bubbles appear, there is leakage. Loosen and re-tighten this connection. If it still leaks, please call customer service at: 1-855-CHANT-US (1-855-242-6887).

Lighting Instructions

- Turn the LP gas tank valve OFF. Push the control knob in, turn OFF, and wait 5 minutes for any gas to clear.
- Turn the tank valve ON. Push control knob in and rotate to PUSH. And, push the igniter button until the burner is ignited. If igniting the burner for 5 seconds continuously but the burner fails to remain lit or becomes extinguished, repeat step 2 after 5 minutes. Complete shutoff period before relighting.
- Once the burner has lit, continue to hold the control knob in for 30 seconds, and then release.
- Turn the control knob from HIGH to LOW to the desired heat setting.



For complete shutdown

- Please turn the knob to "PUSH" position first, then push and turn to "Off" position for complete shut off.
- Turn the LP gas tank valve OFF before remove the LP gas tank.

Fig. 13

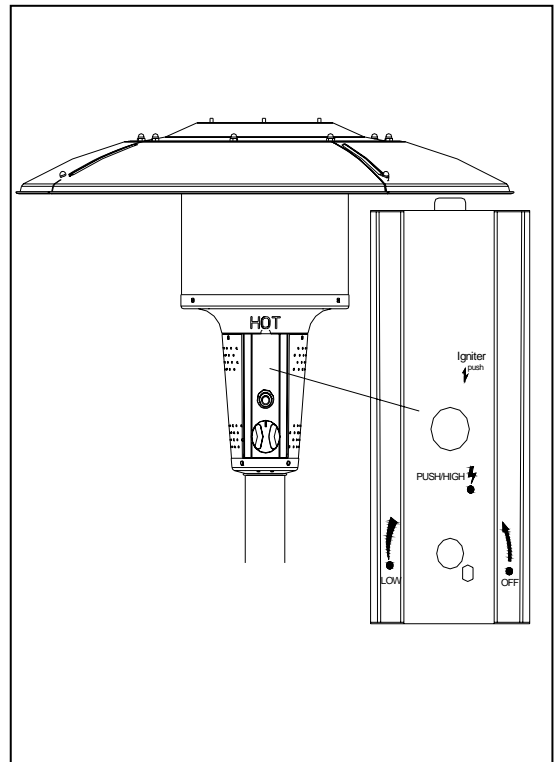


Fig.14

In any case of failure of normal ignition, please use the lighter (sold separately) to reach the burner for ignition through the hole on the bottom of burner diffuser.

WARNING

FOR YOUR SATETY:

If at any time you are unable to light burner and smell gas, wait 5 minutes to allow gas to dissipate before attempting to light heater.

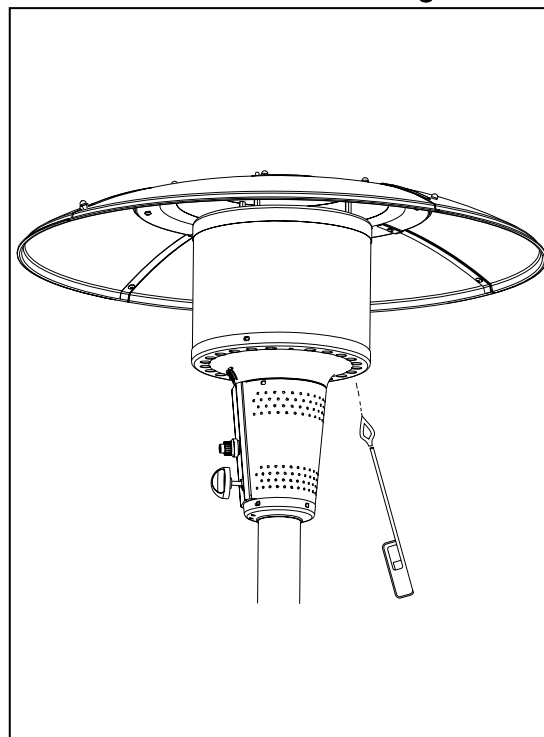
WARNING

FOR YOUR SATETY:

DO NOT touch or move heater for at least 45 minutes after use. Allow emitter and dome to cool before touching.

CAUTION:

Avoid inhaling fumes emitted from the heater's first use. Smoke and odor from the burning of oils used in manufacturing will appear. Both smoke and odor will dissipate after approximately 30 minutes. The heater should NOT produce thick black smoke.



CARE AND MAINTENANCE

To obtain the best performance from your heater make sure you perform the following maintenance activities on a regular basis:

- a. Abrasive cleaners will damage this product.
- b. Never use oven cleaner to clean any part of heater.
- c. Do not clean any heater part in a self-cleaning oven. The extreme heat will damage the finish.
- d. More frequent cleaning may be required as necessary. It is imperative that control compartment, burners and circulating air passageways of the heater be kept clean.
- e. Spiders and insects can create a dangerous condition that may damage heater or make it unsafe. Keep burner area clean of all spiders, webs or insects. Clean burner holes by using a heavy-duty pipe cleaner. Compressed air may help clear away smaller particles.
- f. Inspect heater before each use.
- g. Have heater inspected annually and repairs should be made by a qualified service person.
- h. Check heater immediately if any of the following conditions exist.

1. The smell of gas in conjunction with extreme yellow tipping of burner flames.
2. Heater does not reach proper temperature.
3. Heater's glow is excessively uneven.
4. Burner makes popping noises during use.

Note: A slight pop is normal when burner is extinguished.

- i. Carbon deposits may create a fire hazard. Keep dome and emitter clean at all times.
- j. Do not clean heater with combustible or corrosive cleaners. Use warm, soapy water.
- k. Do not paint engine, engine access panel or dome.
- l. This heater should be thoroughly cleaned on a regular basis.
- m. After a period of storage and/or non use, check for leaks, burner obstructions and inspect for any abrasion, wear, cuts to the hose.

Cleaning

- a. Wipe surfaces clean with mild dish detergent or baking soda.
- b. For stubborn surfaces use a citrus-based degreaser and a nylon scrubbing brush.
- c. Rinse clean with water.

Note: While cleaning the unit, be sure to 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, do NOT use it. It must be replaced.

TIP: Use high-quality automobile wax to help maintain the appearance of the heater. Apply to exterior surfaces from the pole down. Do not apply to emitter screen or domes

Maintenance

- a. Keep exterior surfaces clean.
- b. Air flow must be unobstructed. Keep controls, burner and circulating air passageways clean.
Signs of possible blockage include:
Gas odor with extreme yellow tipping of flame.
Heater does NOT reach the desired temperature.
Heater glow is excessively uneven.
Heater makes popping noises.

Note: In a salt-air environment (such as near an ocean) corrosion occurs more quickly than normal. Frequently check for corroded areas and repair them promptly.

Storage

Between uses or during periods of extended inactivity:

- a. Turn control knob to "OFF".
- b. Disconnect LP cylinder and move to a secure, well-location outdoors.
- c. Store heater upright in an area sheltered from direct contact with inclement weather (such as rain, sleet, hail, snow, dust and debris).

Note: Never leave LP gas tank exposed to direct sunlight or excessive heat.

- d. If desired, use cover (K) to protect the heater and help prevent buildup in air passages.

CAUTION: Wait until heater is cool before covering.

TROUBLESHOOTING

Problem	Possible Cause	Corrective Action
Burner won't light	1. Gas pressure is low. 2. The orifice is blocked. 3. Control knob is not in "PUSH" position.	1. Turn tank valve "OFF" and replace the tank 2. Clear blockage. 3. Turn control knob to "PUSH" position.
Burner flame is low	1. Gas pressure is low. 2. The control knob is not positioned at "High". 3. The burner jet may be partially blocked. 4. Outdoor temperature is less than 40°F and tank is less than 1/4 full. 5. Supply hose is bent or kinked.	1. Turn the gas cylinder valve "OFF" and replace the cylinder. 2. Position the control knob at "High" 3. Clear blockage. 4. Use a full tank. 5. Straighten the hose.
Carbon build-up	Build-up of carbon can accumulate over time.	Wipe off before lighting.
Thick black smoke	Blockage in burner	Remove blockage and clean burner inside and outside.

If problems cannot be corrected by using these methods, please contact 1-855-CHANT-US (1-855-242-6887 for assistance).

ONE-YEAR LIMITED WARRANTY

The appliance has been manufactured under the highest standards of quality and workmanship. We warrant to the original consumer/purchaser that all aspects of this product will be free of defects in material and workmanship for one (1) year from the date of purchase. A replacement for any defective part will be supplied free of charge for installation by the consumer. Defects or damage caused by the use of other than genuine parts are not covered by this warranty. The warranty shall be effective from the date of purchase as shown in the purchaser's receipt. This warranty is valid for the original consumer purchaser only and excludes industrial, commercial or business use of the product, product damage due to shipment or failure which results from alteration, product abuse or product misuse, where performed by a container, service company or consumer. We will not be responsible for labor charges and/or damage incurred in installation, repair or replacement, nor for incidental or consequential damage. This warranty gives you specific legal rights, and you may also have the other rights that vary from state to state.

If you experience any problems with your heater, DO NOT RETURN THE PRODUCT TO THE STORE, please call 1-855-CHANT-US (1-855-242-6887) for assistance. 8 am to 5 pm Eastern time, Monday to Friday.

Distributed by Kmart Corporation, Hoffman Estates, IL 60179



Please refer to part numbers when reordering

For questions or comments about product:

Call toll-free: 1-855-242-6887

Made in / Hecho en CHINA for Kmart Corporation, Hoffman Estates, IL 60179

See our extensive assortment of outdoor living products
on-line at www.sears.com and www.kmart.com