

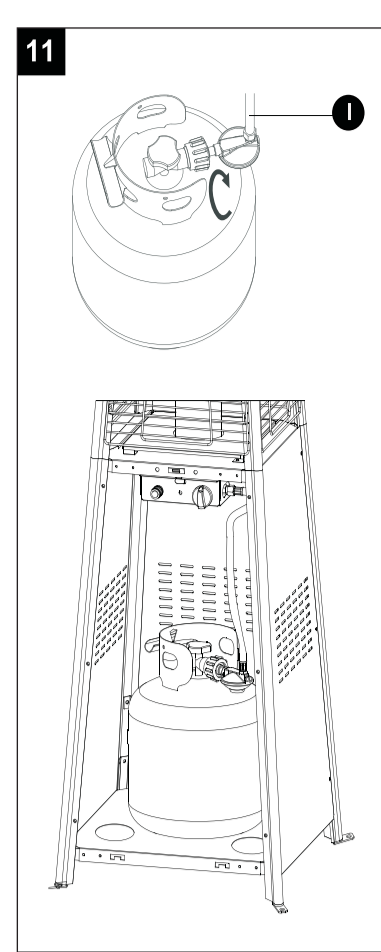
- ⚠ DANGER**
- If you smell gas:
 1. Shut off gas to the appliance.
 2. Extinguish any open flames.
 3. If odour continues, keep away from the appliance and immediately call your gas supplier or fire department.
- ⚠ WARNING**
- Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance. An LP-cylinder not connected for use must not be stored in the vicinity of this or any other appliance.
- ⚠ WARNING: For Outdoor Use Only**
- ⚠ 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**
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.

ANS Z83.26-2014 • CSA 2.37-2014 Gas-Fired Outdoor Infrared Patio Heaters

ASSEMBLY INSTRUCTION

11. Screw gas hose and regulator to propane cylinder (not included). Do not cross-thread.

Use a standard 20 lb. propane cylinder only (approximately 12.2 in / 31cm in diameter and 17.9 in / 45cm high).



Use this heater only with a propane vapour withdrawal supply system. See chapter 5 of the standard for storage and handling of liquefied petroleum gas, ANSI Z59.58. Your local library or fire department should have this book.

Storage of an appliance indoors is permissible only if the cylinder is disconnected and removed from the appliance. A cylinder must be stored outdoors in a well-ventilated area of the reach of children. A disconnected cylinder must have dust caps tightly installed and must not be stored in a building, garage or any other enclosed area.

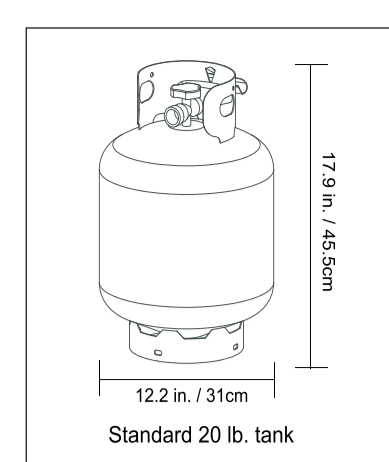
The maximum inlet has supply pressure: 250 psi / 1750 kPa. The minimum inlet has supply pressure: 5 psi/34.5 kPa. Manifold pressure with regulator provided: 11 inch WC/ 2.74 kPa. The minimum hourly of 17000 Btu / 4.98 kW is required input rating for an appliance for automatic operation at ratings less than full input rating.

The pressure regulator and hose assembly supplied with the appliance must be used. The installation must conform with local codes, or in the absence of local codes, with natural fuel gas code ANSI Z223.1 / NFPA 54, natural gas and propane installation Code, NSA B149.1, or propane storage and handling code, B149.2.

ASSEMBLY INSTRUCTION

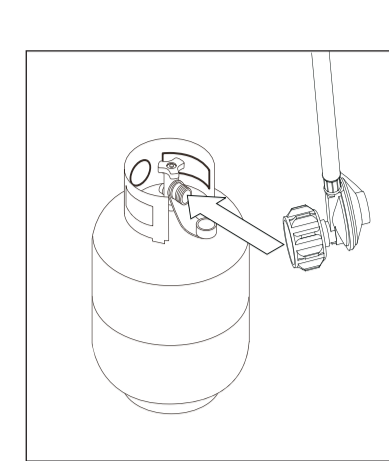
A dented, rusted or damaged propane cylinder may be hazardous and should be changed by your cylinder supplier. Never use a propane cylinder with a damaged valve connection.

The propane cylinder must be constructed and marked in accordance with the specifications for LP gas cylinder of the U.S. Department of Transportation (DOT) or the standard for cylinders, spheres and tubes for transportation of dangerous goods and commission, CAN/CSA-B339.



The cylinder must have a listed overfilling prevention device. The cylinders must have a connection device compatible with the connection for the appliance. The cylinder used must include a collar to protect the cylinder valve. Never connect an unregulated propane cylinder to the heater.

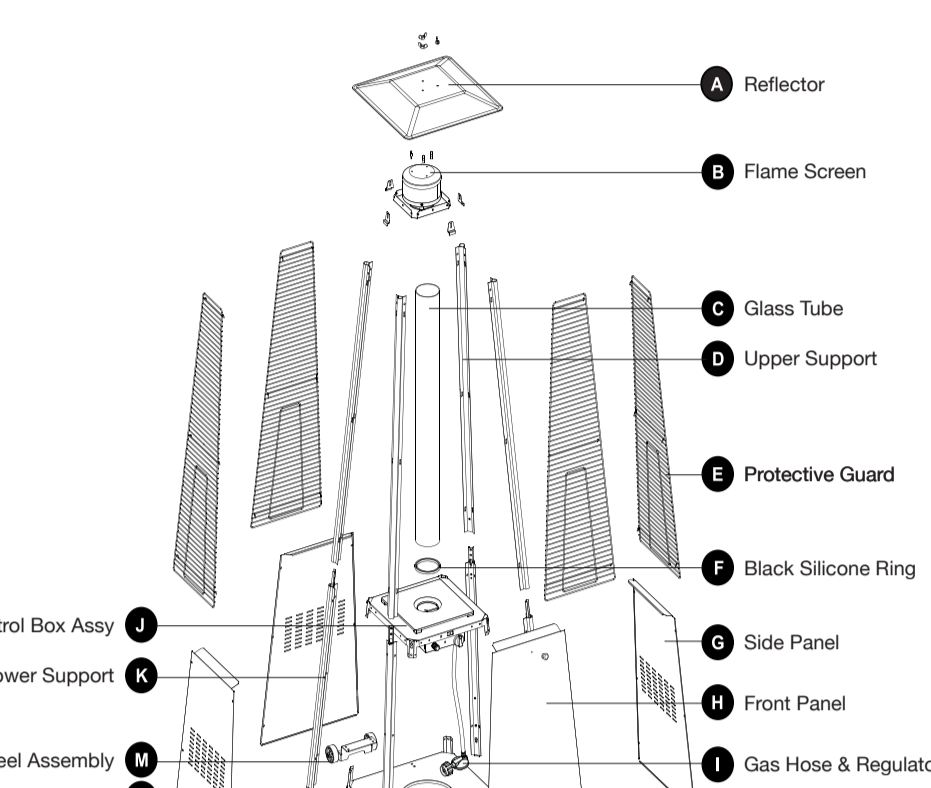
The knob on the LP tank must be closed. Make sure that the knob is turned \curvearrowright clockwise to a full stop. The cylinder supply system must be arranged for vapour withdrawal. Check that the control knob on the control unit is turned off. Hold the regulator in one hand and insert the nipple into the valve outlet. Be sure the nipple is centered in the valve outlet. The coupling nut connects to the large outside threads on the valve outlet. Hand-tighten the coupling nut \curvearrowright clockwise until it comes to a full stop. Firmly tighten by hand only.



To disconnect: Fully close the tank valve by turning \curvearrowright clockwise. Turn the coupling nut \curvearrowleft counterclockwise until the regulator assembly detaches.

- Do not store a spare LP-gas cylinder under or near this appliance.
- Never fill the cylinder beyond 80 percent full.
- Place the dust cap on the cylinder valve outlet whenever the cylinder is not in use. Only install 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 leakage of propane.

PACKAGE CONTENTS



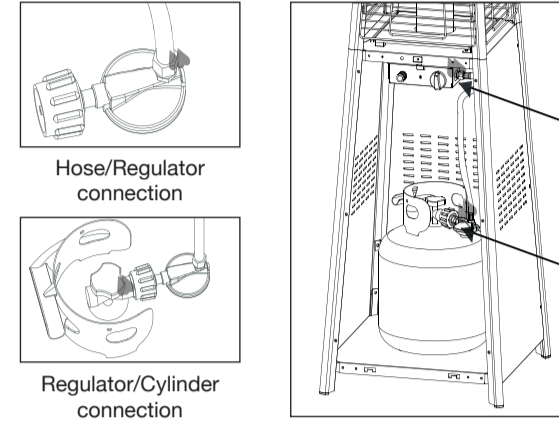
PART	DESCRIPTION	QUANTITY	PART	DESCRIPTION	QUANTITY
A	Reflector	1	M	Wheel Assembly	1
B	Flame Screen	1	N	Bottom Plate	1
C	Glass Tube	1			
D	Upper Support	4			
E	Protective Guard	4			
F	Black Silicone Ring	1			
G	Side Panel	3			
H	Front Panel	1			
I	Gas Hose & Regulator	1			
J	Control Box Assy	1			
K	Lower Support	4			

1

OPERATION INSTRUCTIONS

Leak Check

- ⚠ WARNING**
- Perform all leak tests outdoors.
 - Bringling all open flames.
 - NEVER leak test while smoking.
 - Do not use the heater until all connections have been leak tested and do not leak.



1. Make 60-90 ml of leak detection solution (one part liquid dishwashing detergent and three parts water).
2. Apply several drops of solution where hose attaches to regulator.
3. Apply several drops of solution where regulator connects to cylinder.
4. Turn cylinder valve OFF.

If bubbles appear at any connection, there is a leak.

1. Turn cylinder valve OFF.
2. If leak is at hose/regulator connection: tighten connection and perform another leak test. If bubbles continue appearing, the hose should be returned to the place of purchase.
3. If leak is at regulator/cylinder valve connection: disconnect, reconnect, and perform another leak check. If you continue to see bubbles after several attempts, cylinder valve is defective and should be returned to the cylinder's place of purchase.

NO BUBBLES APPEAR AT ANY CONNECTION, THE CONNECTIONS ARE SECURE.

NOTE: Whenever gas connections are loosened or removed, you must perform a complete leak test.

4. Complete installation

OPERATION INSTRUCTIONS

⚠ DANGER

- CARBON MONOXIDE HAZARD**
- For outdoor use only. Never use inside house, or other unventilated or enclosed area. The heater consumes air (oxygen). Do not use in unventilated or enclosed areas to avoid endangering your life.

Caution: Do not attempt to operate until you have read and understand all General Safety Information in this manual and all assembly & complete leak checks have been performed.

Before Turning Gas Supply ON:

- Your heater was designed and approved for outdoor use only. Do NOT use inside a building, garage, or any other enclosed area.
- Make sure surrounding areas are free of combustible materials, gasoline, and other flammable vapours or liquids.
- Ensure that there is no obstruction to air ventilation. Be sure all gas connections are tight and there are no leaks.
- Be sure the cylinder cover is clear of debris. Be sure any component removed during assembly or servicing is replaced and fastened prior to starting.

Before Lighting:

- Heater should be thoroughly inspected before each use, and by a qualified service person at least annually. If lighting a hot heater, always wait at least 5 minutes.
- Inspect the hose assembly for evidence of excessive abrasion, cuts, or wear. Suspected areas should be leak tested. If the hose leaks, it must be replaced prior to the operation. Only use the replacement hose assembly specified by the manufacturer.
- The pressure regulator and hose assembly supplied with the appliance must be used. Replacement pressure regulators and hose assemblies must be those specified by the appliance manufacturer.

Lightning:

NOTE: This heater is equipped with a pilot light that allows for safer startups and shutdowns. Pilot must be before main burner can be started.

1. Turn the control knob to the "OFF" position.
2. Fully open LP cylinder valve.
3. Push control knob and rotate to pilot position (Figure 1).

Note: For gas start after or any cylinder change, hold control knob in for 2 minutes to purge air from lines before proceeding.

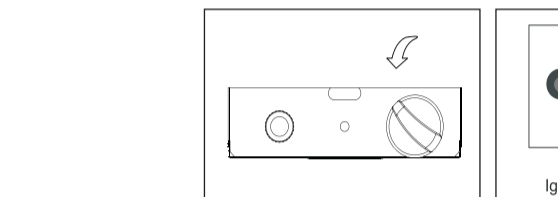
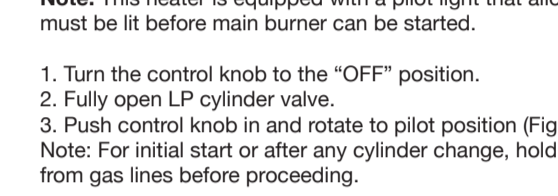
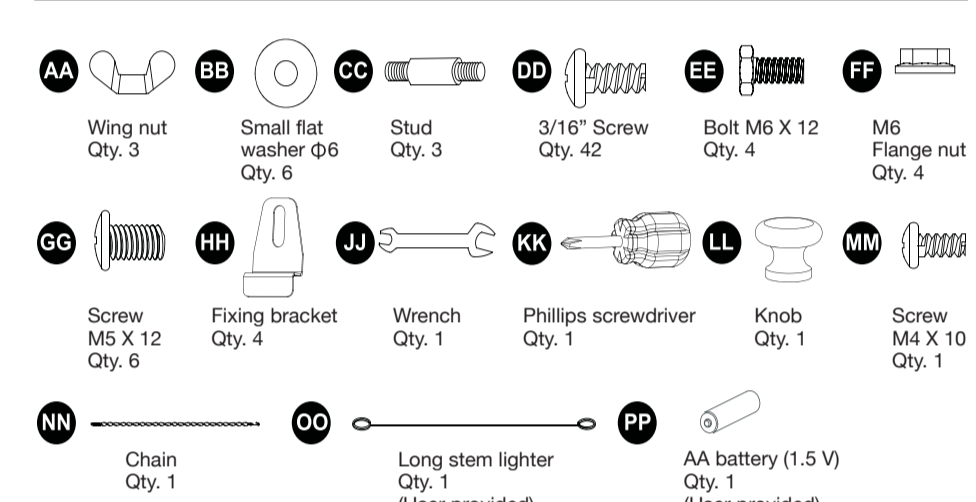


Figure 1 Figure 2

HARDWARE CONTENTS (shown actual size)



⚠ SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate or install the product.

This manual contains important information about the assembly, operation and maintenance of this patio heater. General safety information is presented in these first few pages and is also located throughout the manual. Keep this manual for future reference and to educate new users of this product. This manual should be read in conjunction with the labelling on the product. Safety precautions are essential when any mechanical or propane fuelled equipment is involved. These precautions are necessary when using, storing, and servicing. Using this equipment with the respect and caution demanded will reduce the possibility of personal injury or property damage. The following symbols shown below are used extensively throughout this manual. Always follow these precautions, as they are essential when using any mechanical or fuelled equipment.

⚠ DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ DANGER

Failure to comply with the precautions and instructions provided with this heater can result in death, serious body injury and property loss or damage from heater fire, explosion, burn, asphyxiation, and/or carbon monoxide poisoning. Only persons who can understand and follow the instructions should use or service this heater.

FOR YOUR SAFETY

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

⚠ DANGER

We cannot foresee every use that may be made of our products. Check with your local fire safety authority if you have questions about heater use. Other standards govern the use of fuel gases and heat appliances for specific uses. Your local authorities can advise you about these standards. For local codes, see the National Fuel Gas Code, ANSI Z223.1, in Canada, installation must conform to local codes. For local codes, see the current national standards of CANADA CAN/CSA-B149.2.

⚠ SAFETY INFORMATION

⚠ DANGER

EXPLOSION - FIRE HAZARD

- Keep solid combustibles, such as building materials, paper or cardboard, a safe distance away from the heater as recommended by the instructions.
- Provide adequate clearances around air openings from the combustion chamber.
- Never use the heater in spaces which do or may contain volatile or airborne combustibles, or products such as gasoline, solvents, paint thinner, dust particles or other chemicals.
- During operation, this product can be a source of carbon monoxide, carbon dioxide, carbon monoxide, and other flammable vapours and liquids. Do not use heater in areas with high dust content. Minimum heater clearance from combustible materials: three (3) feet from sides and two (2) feet from the top.

⚠ DANGER

EXPLOSION - FIRE HAZARD

- Never store propane near high heat, open flames, pilot lights, direct sunlight, other ignition sources or where temperatures exceed 120 degrees F (50°C).
- Propane vapours are heavier than air and can accumulate in low places. If you smell gas, leave the area immediately.
- Never install or remove the propane cylinder while the heater is ignited. Clear a flame, pilot light, other ignition sources or while it is hot to touch.
- This heater is not for indoor use and can ignite flammable or combustible materials. Keep flammables at least 4 feet from sides and 2 feet from top. Keep gasoline and other flammable liquids and vapours well away from heater.
- Store the propane cylinder outdoors in a well-ventilated area out of reach of children. Never store the propane cylinder in an enclosed area house.
- Do not use a heater in an enclosed area. Always disconnect the propane cylinder or fuel gas hoses.

⚠ WARNING

WARNING indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance. An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

⚠ WARNING: For Outdoor Use Only

⚠ 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

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.

OPERATION INSTRUCTIONS

4. Push and release the igniter button until pilot flame is visible through the glass tube.
5. Once the pilot is lit, continue to depress the control knob for 30 seconds.
6. If the pilot does not stay lit, repeat steps 4 to 6.
7. If after repeating steps 4 to 6, the pilot does not light, then push the control knob and turn counterclockwise to "PILOT" (Figure 2).
8. As you are pressing the control knob, place long stem lighter through the glass tube to light the pilot (Figure 4).
9. Repeat step 6.

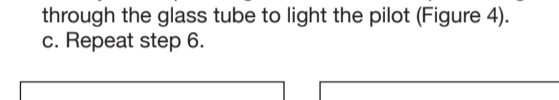
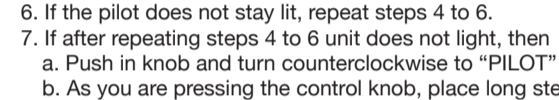


Figure 3 Figure 4 Figure 5

8. Push in and turn the control knob to "HIGH", then release control knob. If you want a lower temperature, push in the control knob and turn counterclockwise to "LOW" (Figure 5).

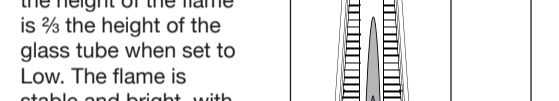
Note: Improper operation, can cause injury or property damage. If pilot fails to remain lit, all valves should be closed and a waiting period of at least 5 minutes should pass before attempting to light.

If you experience any ignition problem please consult "Troubleshooting" on page 19.

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

Note: The burner may be noisy when initially turned on. To eliminate excessive noise from the burner, turn the control knob to "PILOT" position. Then, turn the knob to the level of heat desired.

Note: In normal condition, the height of the flame is to the height of the glass tube when set to Low. The flame is stable and bright, with no noise nor black smoke. Anything else is abnormal.



Normal Abnormal

OPERATION INSTRUCTIONS

⚠ WARNING

FOR YOUR SAFETY

- Be careful when attempting to manually ignite the heater. Holding in the control knob for more than 10 seconds while igniting the gas will cause a ball of flame upon ignition.

When the flame is ON:

The flame should be blue with bright yellow tips. If excessive yellow flame is detected, turn off heater and consult "Troubleshooting" on page 19.

Re-lighting:

Note: For your safety, control knob cannot be turned OFF without first depressing control knob in PILOT position and then rotating it OFF.

1. Turn control knob to OFF.
2. Wait at least 5 minutes, to let gas dissipate, before attempting to relight pilot.
3. Repeat the "Lighting" steps on prior page.

⚠ WARNING

FOR YOUR SAFETY

- Heater will be hot after use. Handle with extreme care.

Shut Down:

Turn control knob clockwise to PILOT. (Normally, burner will make a slight popping sound when extinguished.) Burner will extinguish but PILOT will remain ON.

To extinguish PILOT, depress control knob and continue to turn it clockwise to OFF. 3. Turn cylinder valve clockwise to OFF and disconnect regulator when heater is not in use. **Note:** After use, some discoloration of the emitter screen is normal.

Operation Checklist

For safe and pleasurable heating experience, perform this check before each use.

Before operation:

- Be familiar with the entire owner's manual and understand all precautions noted.
- All components are properly assembled, intact and operative.
- No alterations have been made to the heater.
- All gas connections are secure and do not leak.
- Unit velocity is below 1000 fpm.
- Unit will operate at reduced efficiency below 5°C.
- Heater is outdoors (outside any enclosure).
- There is adequate fresh air ventilation.

⚠ SAFETY INFORMATION

⚠ WARNING

California Proposition 65
Combustion by products produced when using this product contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.

⚠ WARNING

BURN HAZARD

- Never leave heater unattended when hot or in use.
- Keep out of reach of children.

⚠ WARNING

Certain materials or items, when stored under the heater, will be subjected to radiant heat and could be seriously damaged.

⚠ CAUTION

SERVICE SAFETY

- Keep all conditions and fittings clean. Make sure propane cylinder valve outlet is clean.
- Check valves, check all connections and fittings for leaks using soapy water. Never use a flame.
- Use a heater appliance only. Never alter in any way or use with any device.

⚠ CAUTION

CAUTION: Indicates an imminently hazardous situation which, if not avoided, will result in minor or moderate personal injury or property damage.

⚠ WARNING

This product is fueled by propane gas. Propane gas is invisible, odorless, and flammable. An odorant is normally added to help detect a leak and is described as a "rotten egg" smell. The odorant can fade over time so leaking is not always detectable by smell alone.

⚠ WARNING

Propane gas is heavier than air and leaking propane will sink to the lowest level possible. It can ignite by various sources including matches, lighters, sparks or open flames of any kind many feet away from the original leak. Use only propane gas set or for vapour withdrawal.

⚠ WARNING

Do not hang clothes or any other flammable materials from the heater, or place on or near the heater. A heater/water/pressure any guard or protective device removed for servicing the appliance prior to repairing back to service.

⚠ WARNING

Installation and repair should be done by a qualified service person. This heater should be inspected before use and annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that the control compartment, burning, and circulating passageways of the appliance be kept clean.

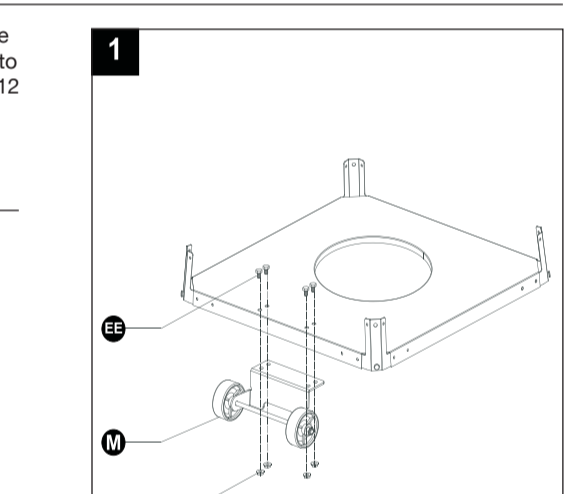
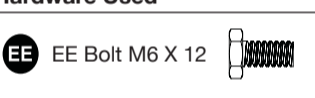
⚠ WARNING

WARNING: The product contains small batteries. Deadwood small batteries can be CHOKING HAZARD. See immediate medical attention if children are swallowed or inhaled. Keep children away from the small batteries.

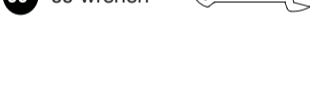
ASSEMBLY INSTRUCTION

1. Assemble the wheel assembly to the bottom plate. Fix the wheel assembly to the bottom plate using 4pcs Bolt M6X12 and 4pcs flange nut M6.

Hardware Used

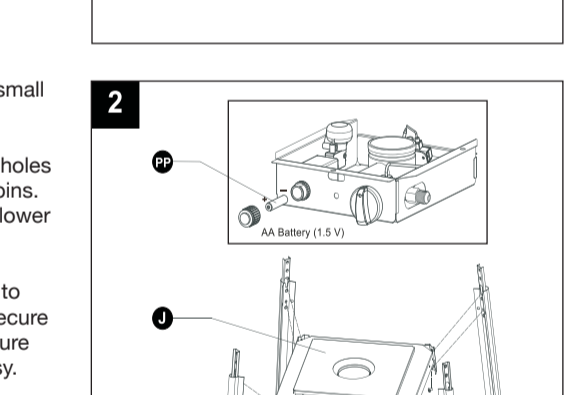
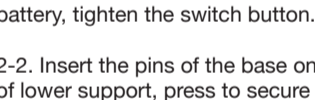


Hardware Used

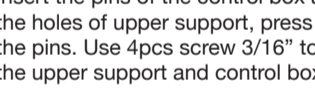


- 2-1. Unscrew the switch button, load small battery, tighten the switch button.
- 2-2. Insert the pins of the base on the holes of lower support, press to secure the pins. Use 4pcs screw M6X12 to secure the lower support and base.

Hardware Used

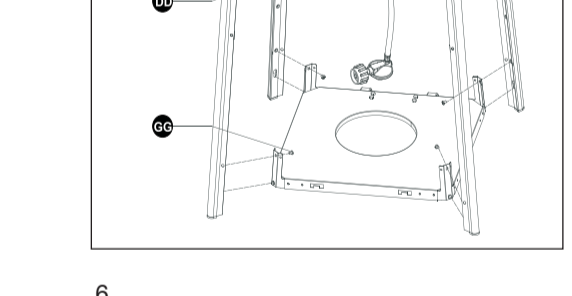
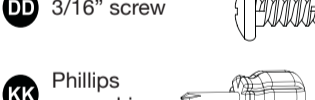


Hardware Used



Insert the pins of the control box assembly to the holes of upper support, press to secure the pins. Use 4pcs screw 3/16" to secure the upper support and control box assembly.

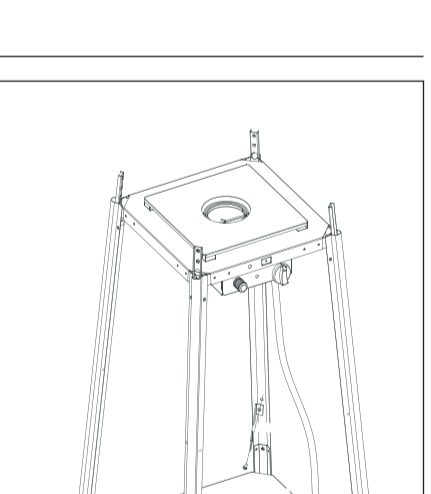
Hardware Used



ASSEMBLY INSTRUCTION

3. Assemble block belt. Fix the block belt to the 3pcs of lower support behind the front door, using 3pcs screw M6X12.

Hardware Used



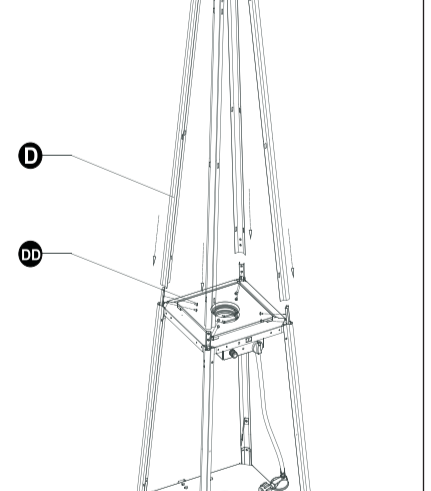
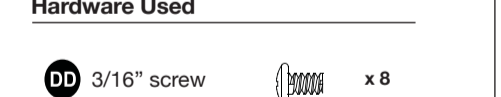
Hardware Used



(This step has been removed from the new product)

4. Assemble the middle support. Insert the 4pcs upper support to the lower support. Secure them with 3pcs screw 3/16".

Hardware Used

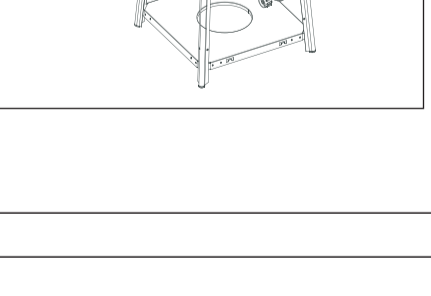


Hardware Used

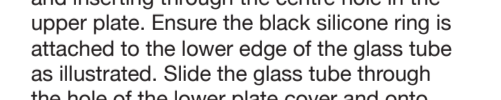


To aid in installation place black silicone ring on the middle plate and then install glass tube. Ensure the rim of the glass tube fits firmly in the black silicone ring.

Hardware Used



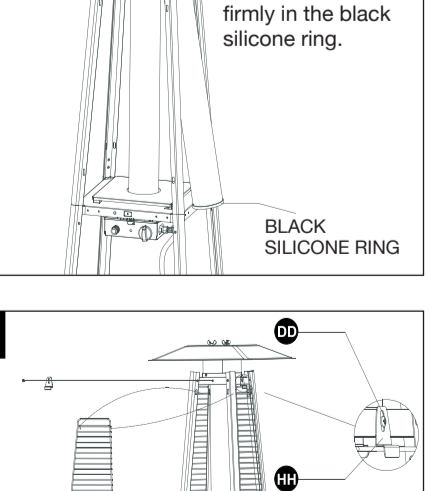
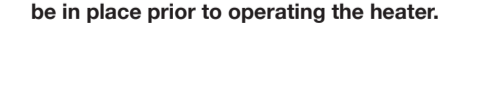
Hardware Used



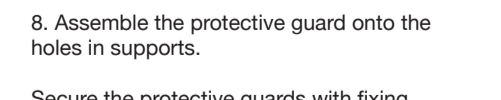
WARNING! The black silicone ring must be in place prior to operating the heater.

8. Assemble the protective guard onto the holes in supports. Secure the protective guards with fixing brackets with 4pcs 3/16" screws.

Hardware Used



Hardware Used



Secure the chain through the hole on the front plate.

Hardware Used

