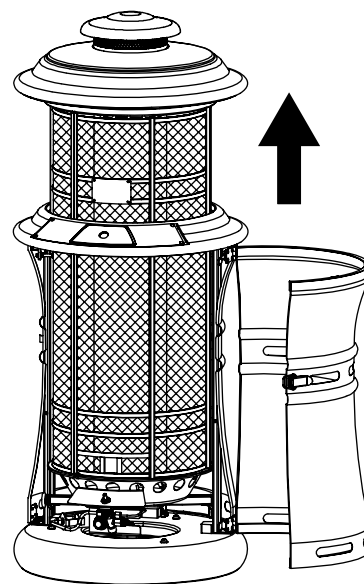


ASSEMBLY INSTRUCTIONS

Warning: This appliance requires installation by a competent person. Proper assembly is the responsibility of the installer.

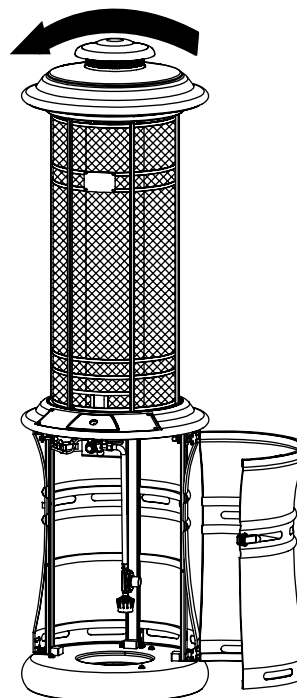
Step 1: To assemble unit-partially open gas chamber door. Carefully lift dome until entire heat exchange tube is exposed.

Step 1



Step 2: After heat exchange tube is fully extended, rotate counter-clockwise until stopped.

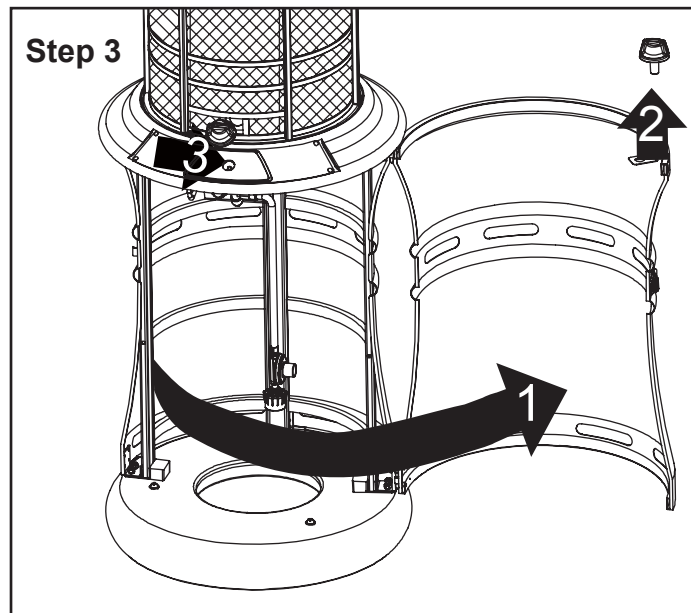
Step 2



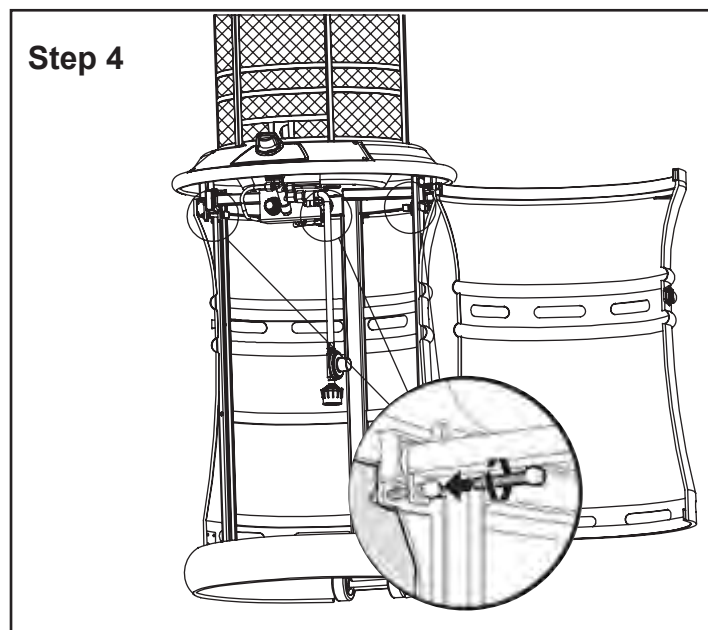
ASSEMBLY INSTRUCTIONS

Warning: This appliance requires installation by a competent person. Proper assembly is the responsibility of the installer.

Step3: Fully open gas chamber door. Remove knob from door and place on control stem.



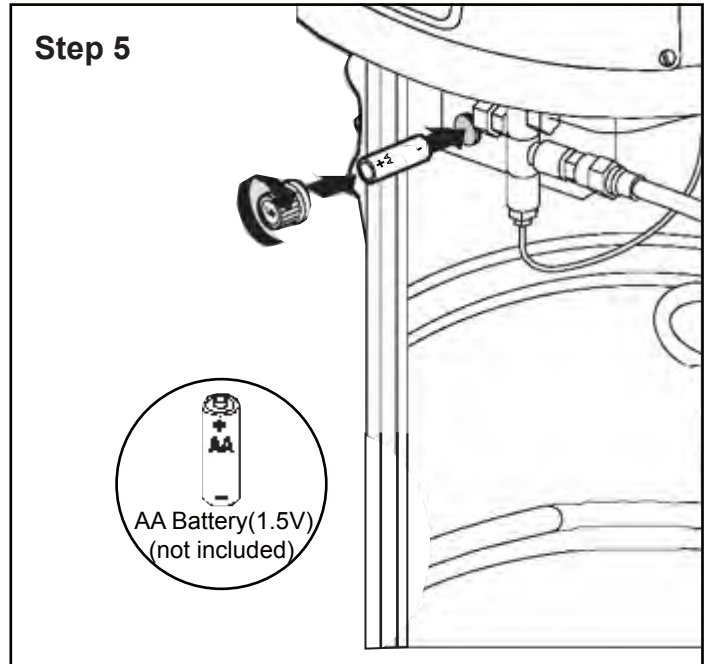
Step4: Locate(3) holes to lock heat exchange tube in place. Insert (3) included screws into holes.



ASSEMBLY INSTRUCTIONS

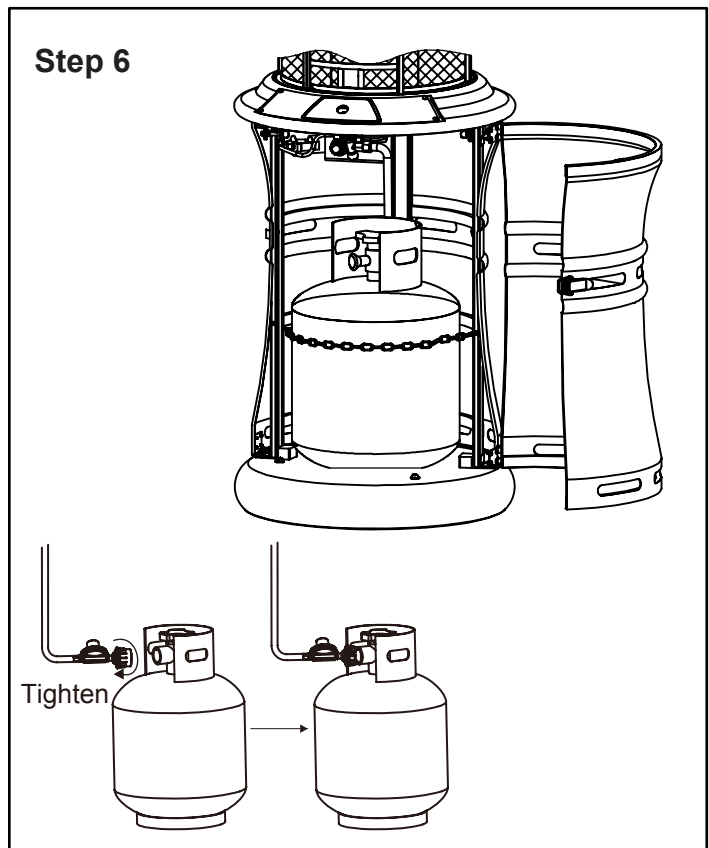
Warning: This appliance requires installation by a competent person. Proper assembly is the responsibility of the installer.

Step5: Place battery in compartment below control panel.



Step6: Place the gas cylinder (not included) into the base assembly, and fix it with fixing chain. Attach the regulator to the cylinder, turn clockwise to tighten it securely, and then close the door.

Note: Make sure to check for leaks once the cylinder has been replaced. (Refer to the “check for leaks” section on page 10)



OPERATION

WARNING: DO NOT ATTEMPT TO OPERATE HEATER UNTIL YOU HAVE READ AND UNDERSTAND ALL PRECAUTION . FAILURE TO DO SO CAN RESULT IN SERIOUS PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE.

Before turning gas supply ON

Your heater was designed and approved for OUTDOOR USE ONLY. DO NOT use it inside a building or any other enclosed area.

Make sure surrounding areas are free of combustible materials, gasoline, and other flammable vapors 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 access panel 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 relighting a hot heater, always wait at least 5 minutes.

Lighting instructions

1. Ensure control knob is in OFF position.
2. Depress control knob and turn counter clockwise to IGNITE.
3. Continue to depress knob for 30 seconds, listen to ignition pulse.
4. Then, release knob and turn to adjust heat intensit
5. If pilot does not light, turn knob to OFF and wait 5 minutes for gas vapors to dissipate, then repeat steps 2 to 4.

WARNING

FOR YOUR SAFETY:

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. If after 1 minute, you are unable to light burner, wait 5 minutes and allow flammable vapors to dissipate before attempting to light heater.

WARNING

FOR YOUR SAFETY:

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

WARNING

Lighting operations should comply with Lighting Instruction section. Improper lighting operations will cause serious injury and explosion.



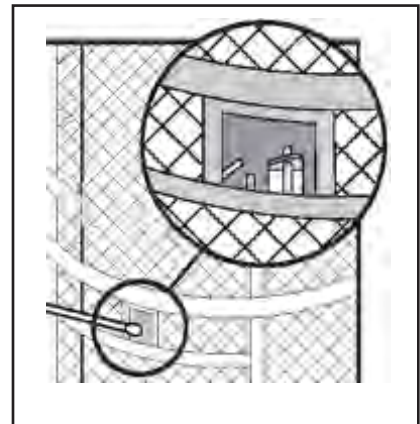
OPERATION

Note: The burner may be noisy when initially turned on. To eliminate excessive noise from the burner, turn the control knob to the Minimum position. Then, turn the knob to the level of heat desired. If you experience any ignition problem consult the following “Troubleshooting”. These lighting instructions must be followed. An unsafe condition can occur if they are not followed correctly.

Flame Characteristic

The flame pattern at the emitter screen should be visually checked whenever heater is operated.

If flames extend beyond surface of the emitter grid , or the phenomena of flame lift or light back, or black spot is accumulating on the emitter grid or reflector, the heater should be **turned off** immediately. The heater should not be operated again until the unit is serviced and or repaired.



OPERATION

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.

NOTE:

The burner may be noisy when initially turned on. To eliminate excessive noise from the burner, turn the Control Knob to the "LOW" position. Then, turn the knob to the level of heater desired.

When heater is ON:

Emitter screen will become bright red due to intense heat. The color is more visible at night. Burner will display tongues of blue flame. These flames should not be yellow or produce thick black smoke, indicating an obstruction of airflow through the burners.



Operation pressure checked:

If the flame is very small, this is because the supply pressure is not enough. Please refill gas cylinder.

Re-light:

- 1) Turn the control knob to "OFF" position.
- 2) Wait five (5) minutes before attempting to relight pilot.
- 3) Repeat steps beginning with step 2 of the lighting instruction above.

Shut down instructions:

- 1) Push in and turn control knob clockwise to "OFF" position.
- 2) Turn LP cylinder gas valve clockwise to "OFF" position when heater is not in use.

Note: After use, some discoloration of the emitter screen is normal.

The Event of Gas Leakage:

- 1) Turn the control knob to "OFF" position.
- 2) Turn LP cylinder valve to "OFF" position.
- 3) Wait 5 minutes to allow gas to dissipate.
- 4) If odor continues, immediately call gas supplier.

WARNING : Heater will be hot after use.
Handle with extreme care.



LOCATING HEADER FOR USE

CAUTION: WHEN CERTAIN MATERIALS OR ITEMS ARE LEFT, ABOVE, BESIDE OR UNDER THIS HEATER WHILE IN USE, THEY WILL BE SUBJECT TO RADIANT HEAT AND COULD BE SERIOUSLY DAMAGED.

This heater is primarily used for the heating of outdoor patios, decks, spas, pools and open working areas.

Always make sure that adequate fresh air ventilation is provided. Follow the spacing tolerances shown in the following figure right at all times.

This heater must be placed on level, firm ground.

Never operate in an explosive atmosphere.
Keep away from areas where gasoline or other flammable liquids or vapors are stored or used.

