



Reliable, Durable, Dependable

Kerosene Forced Air Heater

MODEL: KH-85, KH-135, KH-215

NOTES:

1. Please read and follow all safety rules and operating instructions before first use.
2. Check that all parts are present before assembling. If anything is missing, please contact us immediately.
3. **Returns:** Contact us for a free return shipping label to avoid any unexpected costs to you.
4. **Message Us:** Via the platform (Go to "Your Orders" and find this purchase).

We are committed to resolving your issue!

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I. Unboxing and Inspection

Upon receipt, please unpack and inspect the product immediately according to the following steps

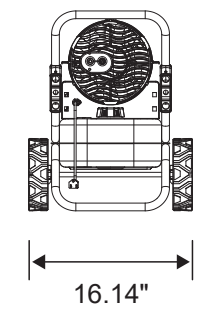
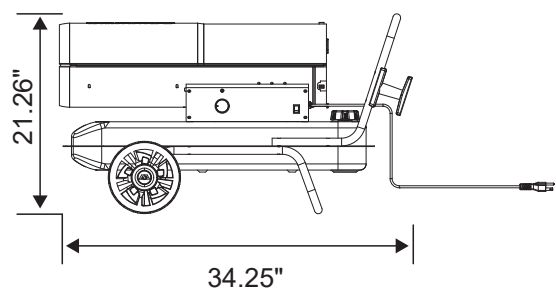
- 1) Open the package carefully to prevent internal components from falling out or being damaged.
- 2) Verify that all components are included according to the parts list.
- 3) Inspect all components for signs of damage, such as scratches, deformation, cracks or other issues.
- 4) Once you have confirmed all components are intact, assemble the stand and verify its operation.
- 5) Retain the original packaging and materials for future storage or transport.

If problems are found during inspection, customer service will assist promptly.

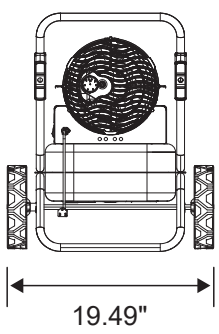
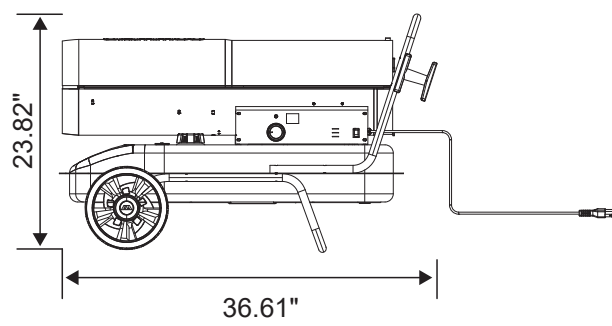
II. Specifications

Model	KH-85	KH-135	KH-215
Dimensions	34.25" x 16.14" x 21.26"	36.61" x 19.49" x 23.82"	42.52" x 21.85" x 23.82"
Max Heating Capacity	85,000 BTU (25 KW)	135,000 BTU (39.5 KW)	215,000 BTU (63 KW)
Fuel Tank Capacity	5 gal.	10 gal.	13.5 gal.
Fuel Consumption	0.53 gal./h (2.01 L/h)	0.95 gal./h (3.6 L/h)	1.62 gal./h (6.13 L/h)
Electrical Rating	120V / 60Hz	120V / 60Hz	120V / 60Hz
Temperature Control Range	40°F–110°F	40°F–110°F	40°F–110°F

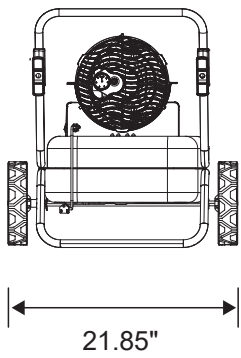
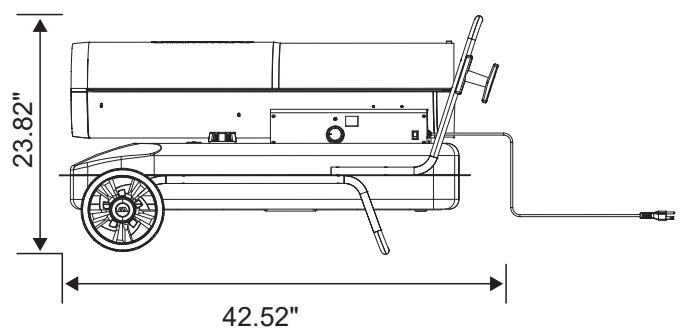
KH-85



KH-135



KH-215



III. Safety Precautions

⚠ IMPORTANT:

To ensure safe and proper operation of this product, please be sure to read and thoroughly understand these Safety Instructions and the complete Product Manual before use, and keep it for future reference.

General Safety Information

1. Read Instructions Carefully

Read and understand this entire manual before attempting to assemble, install, operate, or service this product. Failure to comply with instructions could result in personal injury and property damage.

2. Product Certification

This heater is certified by ETL Group to comply with applicable US safety standards. Ensure compliance with all local codes and ordinances during installation and use. FCC SDoC compliance information and FCC instruction

FCC instruction	Caution: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.
Responsible party	ZHEJIANG ZOBO TECHNOLOGY CO.,LTD NO.72, Huacheng West Road, Gaoxin Zone, Yongkang, Zhejiang, China

3. Intended Use

This heater is intended for use as a temporary heat source during construction, alteration, or repair. It is NOT intended for permanent installation or residential use.

4. Pre-Operation Inspection

Maintain the minimum clearance from combustibles as specified in this manual. Before each use, inspect the surrounding area to ensure all flammable materials are removed. Place the heater on a stable, level surface in a well-ventilated area. Provide a minimum fresh air opening of **3 sq. ft. (0.28 m²)** for every 100,000 BTU / hr (approx. 29 kW) of heat output.

5. Safety During Operation

Never refuel or move the heater while it is in operation or remains hot.

⚠ DANGER: Never use this heater in residential living, sleeping, or enclosed areas. Carbon Monoxide Hazard: Failure to provide proper ventilation could result in serious injury or death.

6. Post-Operation and Storage

Always unplug the heater from the power source when not in use. Never store the heater in living areas. Store the unit in a dry, well-ventilated area, free from dust and corrosive fumes. Use the original packaging for long-term storage and keep this manual accessible for future reference.

7. Health Warnings & Carbon Monoxide (CO) Poisoning

Individuals with respiratory conditions must consult a physician before operating the heater. Certain individuals are more sensitive to carbon monoxide, including pregnant women, those with heart or lung diseases or anemia, and anyone under the influence of alcohol.

WARNING: Early signs of carbon monoxide poisoning resemble the flu, with headaches, dizziness, nausea, and / or burning eyes/nose. If these symptoms occur, the heater may not be working properly. Get fresh air immediately and have the unit serviced.

Prohibited Actions (To avoid severe hazards, Do not perform any of the following)

1. Never allow children, pets, or unauthorized individuals to approach, touch, or operate the heater while it is running. This product is intended for professional use only. Failure to comply will result in severe burns, electrical shock, or death.
2. Do not operate this heater in wet, damp, or poorly ventilated environments. NEVER use the heater near flammable, explosive, or corrosive materials or gases.
3. Do not obstruct the air intake or discharge opening.
4. Never place or operate this heater on wooden floors, carpeting, or any other combustible/flammable surfaces. The heater must only be positioned on a stable, non-combustible surface.
5. Never use gasoline, benzene, paint thinner, or other volatile petroleum distillates as fuel or cleaning agents. This will cause fire or explosion.
6. Do not connect ductwork to the front or rear of the heater.
7. The onboard outlet is rated for 5 Amps maximum. Do not exceed this limit to prevent circuit overload or fire risk.

Limited Liability & Disclaimer

NOTICE: The manufacturer and brand owner shall not be held liable for any personal injury, property damage, or product failure resulting from misuse, abuse, unauthorized modifications, or use of non-approved accessories.

Kerosene Heater Warning Instructions:

1. About This Product

- This product is a forced-air kerosene / diesel direct-fired heater that utilizes liquid fuel and a high-voltage ignition system. It complies with ETL safety standards. This unit is intended for temporary industrial heating. Because combustion products are exhausted directly into the heated space, adequate ventilation is MANDATORY during operation to prevent carbon monoxide poisoning.

2. Prohibited Actions (To avoid severe hazards, do not perform any of the following)

- Never use this heater in enclosed spaces or areas with insufficient ventilation. Doing so will lead to carbon monoxide poisoning and death.
- Never use volatile or highly flammable fuels such as gasoline, benzene, paint thinner, or alcohol. Doing so will cause a fire, explosion, or severe flash burns.
- Never refuel the heater while it is operating, or while the housing is still hot. Hot surfaces or open flames can ignite fuel vapors, causing a fatal fire or explosion.
- Never operate the heater on combustible surfaces such as wooden floors, carpets, or cardboard. The hot base can ignite these materials, causing a fire.
- Never expose the heater to rain, moisture, or wet conditions. Contact with water can cause electrical short circuits, fatal electric shock, or severe equipment damage.
- Never operate the heater in environments containing flammable gases, combustible dust, or volatile vapors. Doing so poses an extreme risk of explosion.
- Never dismantle, modify, or tamper with safety devices, including temperature controllers, ignition systems, or flame safeguard controls. Disabling or bypassing these devices can cause a catastrophic fire or fatal carbon monoxide poisoning.
- Never move, transport, or disassemble any parts while the heater is still hot. High-temperature components will cause severe burns upon contact.
- Never transport the heater with fuel remaining in the tank. Doing so can lead to fuel leaks, fire, or severe property damage.

3. Usage and Storage Recommendations

- Use only Grade 1-K Kerosene, or alternatively, qualified No. 1 or No. 2 Diesel fuel. Do not use expired, degraded, or contaminated fuel. Adequate ventilation is mandatory during operation to prevent carbon monoxide poisoning. Ensure doors, windows, or vents are open as required.
- Condensation can form inside the fuel tank under certain conditions, contaminating the fuel and causing incomplete combustion.

Regular Freeze Protection: It is recommended to add 4 ml of fuel de-icer per gallon (4 liters) of fuel.

Extreme Cold Weather: It is recommended to add 8 ml of fuel de-icer per gallon (4 liters) of fuel.

- Place the unit on a stable, level surface and maintain the required safe distance from combustible materials.

- For the first use, operate the heater outdoors for 10 minutes to burn off any residual factory oils.
- Ensure the power supply matches the voltage specified on the nameplate. Always use a properly grounded three-prong outlet and compliant extension cords.
- Before long-term storage, completely drain all fuel and flush the tank with clean kerosene. Store in a dry, well-ventilated, dust-free area, free of corrosive gases, and away from ignition sources and children.

4. Transportation and Disposal

- Before transport, ensure the unit is completely shut off, cooled down, and all fuel is drained.
- Protect it against short circuits and impact. Transportation and shipping must comply with local regulations for hazardous materials / fuel-fired equipment.
- For disposal, drain all fuel first. Handle waste fuel as hazardous waste. Dispose of the unit according to local regulations for electronic and metal waste. Do not dispose of with regular household trash.

5. Special Precautions

- If the heater experiences abnormal overheating, continuous smoke, unusual odors or noises, flame spillover, or suspected fuel leakage, immediately turn off the unit, disconnect the power supply, and stay away. Inspect the equipment only in a well-ventilated area after the heater has completely cooled down.
- If you experience any symptoms of carbon monoxide poisoning, such as headaches, dizziness, nausea, or stinging/irritation in the eyes and nose, move to fresh air immediately and seek medical attention.
- High-temperature surfaces of the heater (including the air outlet, combustion chamber, and outer shell) will cause severe burns. Do not touch these parts during operation.
- The flame-out safety control and overheat protection are critical safety devices. If these devices frequently trigger the heater to shut down, it is strictly prohibited to bypass, short-circuit, or continue using the unit. The heater must be inspected and serviced by a qualified technician.
- Refuel the heater outdoors only when the unit is turned OFF and has completely cooled down. NEVER overfill the fuel tank. Fuel overflow can ignite and cause a fire.

6. Disclaimer of Liability

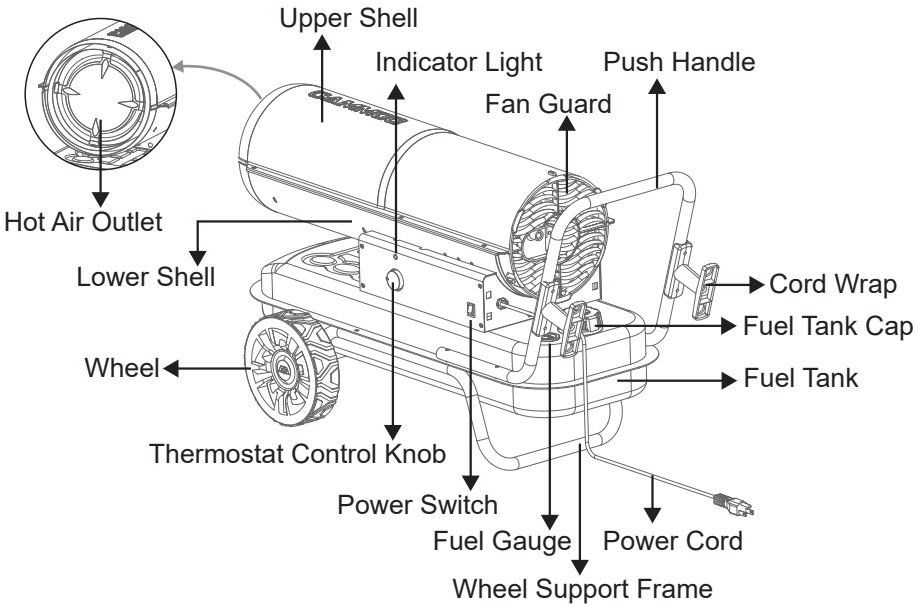
We shall not be held liable for any damage, personal injury, or property loss resulting from:

- Failure to operate the product according to these warning instructions and the User Manual. Use of unqualified fuel, non-genuine parts, or unauthorized modifications.
- Improper use in enclosed, unventilated spaces, or in household and residential living areas.
- Misuse, abuse, negligence, improper refueling, improper movement, or accidents.
- Issues caused by force majeure.

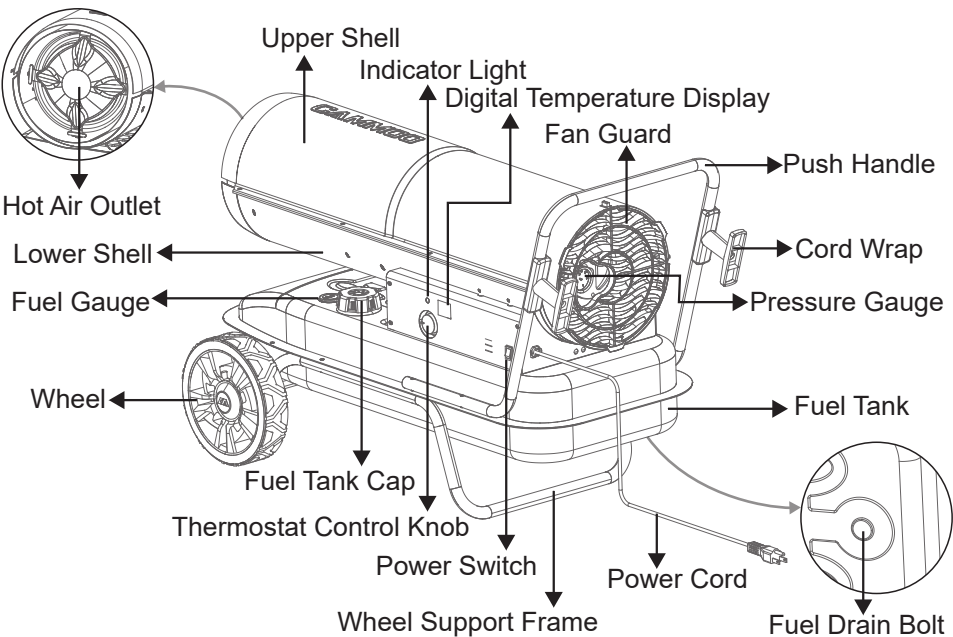
IV. Product Diagram and Part List

1. Product Diagram

MODEL: KH-85

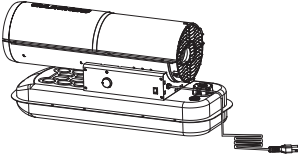
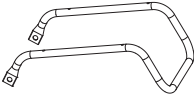


MODEL: KH-135, KH-215



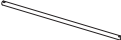
2. Part List

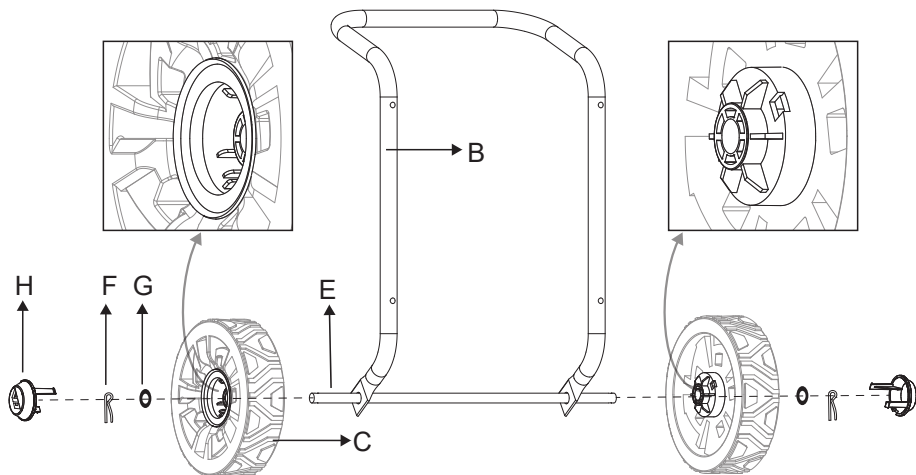
After unpacking, please inspect all parts to ensure they are complete and undamaged. If any items are missing or damaged, please contact us immediately for a replacement or reshipment.

Part No.	Description	Picture	Quantity
A	Main Heating Unit		1
B	Wheel Support Frame		1
C	Wheel		2
D	Push Handle		1
E	Wheel Axle		1
F	Cotter Pin		2
G	Flat Washer		2
H	Hubcap (Pre-installed)		2
I	Cord Wrap		2
J	M5 x 28 mm Bolt and Nut		8
K	M5 x 42 mm Bolt and Nut		2

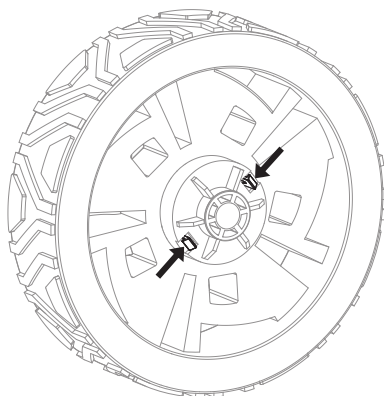
V. Assembly Guidance

Step 1: Wheel Installation

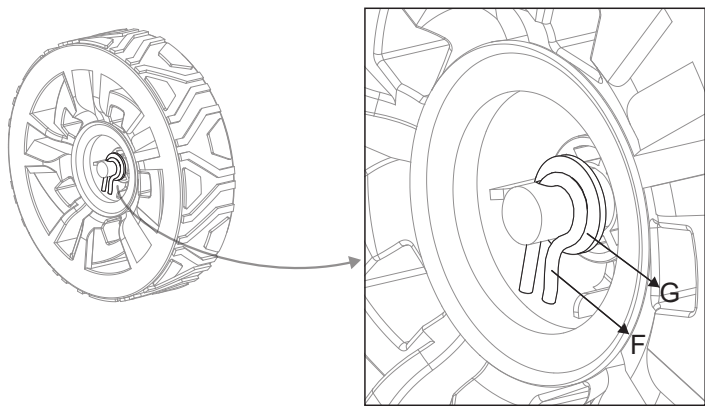
Part No.	B	C	E	F	G	H
Description	Wheel Support Frame	Wheel	Wheel Axle	Cotter Pin	Flat Washer	Hubcap (Pre-installed)
Picture						
Quantity	1	2	1	2	2	2



- 1. Remove Hubcaps** Remove the pre-installed hubcaps (H) from the wheels by pressing the tabs inward with your fingers.

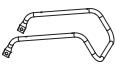


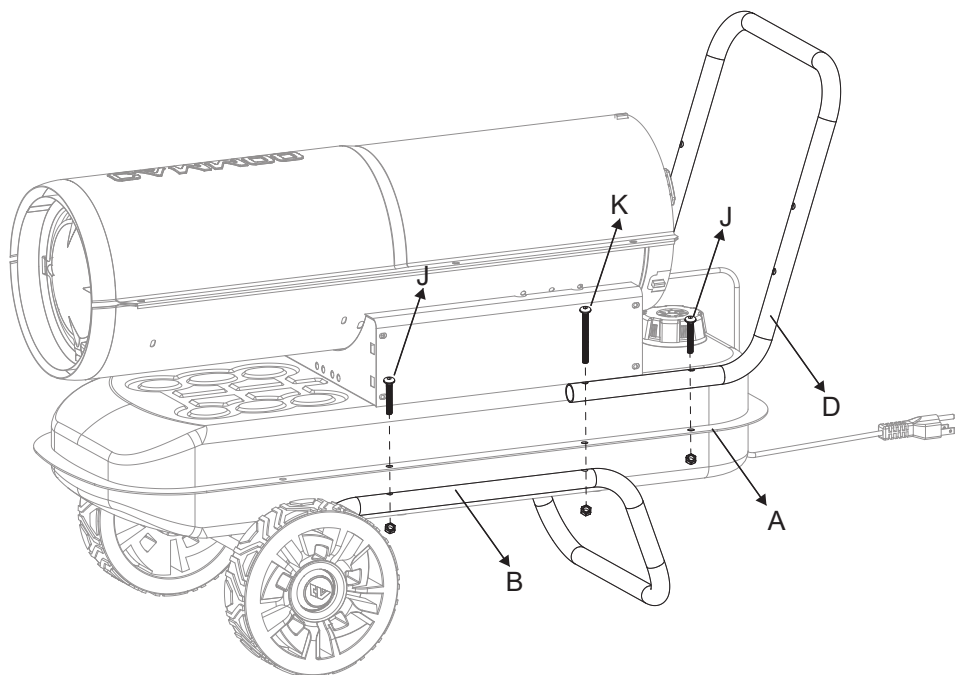
- 2. Insert Wheel Axle** Insert the wheel axle (E) through the holes in the wheel support frame (B).
 - 3. Install Wheels** Slide the wheels (C) onto both ends of the wheel axle (E).
 - 4. Secure Hardware** Slide the flat washer (G) onto the axle. Insert the straight prong of the cotter pin (F) through the hole in the axle, then use needle-nose pliers to bend the pin legs outward to secure it in place.
- TIP:** Insert the straight prong of the cotter pin (F) into the axle hole.



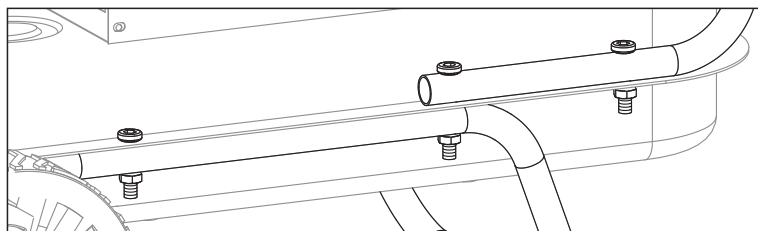
- 5. Reinstall Hubcaps** Align the hubcap (H) with the wheel, matching the tabs on the hubcap to the slots on the wheel. Press firmly and evenly on the center of the hubcap until you hear a distinct "click," indicating that the retaining tabs are securely locked into place.
- 6. Repeat Opposite Side** Repeat steps 1–5 for the opposite side.

Step 2: Handle and Frame Assembly

Part No.	A	B	D	J	K	Tool
Description	Main Heating Unit	Wheel Support Frame	Push Handle	M5 x 28 mm Bolt and Nut	M5 x 42 mm Bolt and Nut	Phillips Screwdriver (Not Included)
Picture						
Quantity	1	1	1	4	2	1



1. Place the heating unit (A) onto the assembled wheel support frame. Ensure the hot air outlet is on the same side as the wheels, and align the mounting holes on the fuel tank flange with the frame holes.
 2. Adjust the wheel support frame (B), heating unit (A), and push handle (D) by hand as needed to align the holes. Insert the long bolts (K) first, then the short bolts (J).
- ⚠ Do not tighten the nuts at this stage.**
3. Confirm that all 6 bolts are properly inserted and aligned. Install the nuts, hold them securely, and fully tighten all bolts using a Phillips screwdriver (not included).

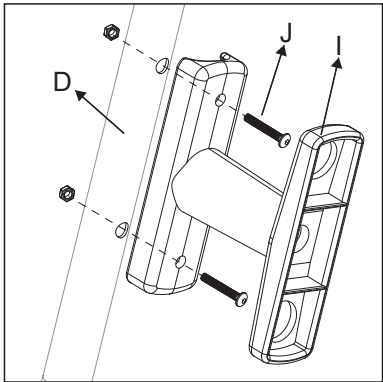
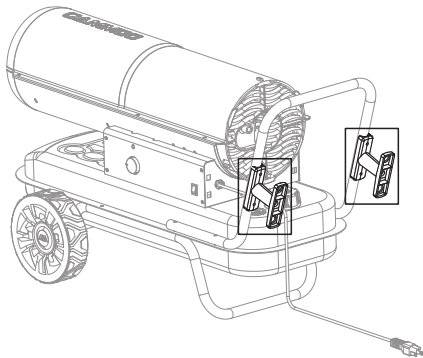


Step 3: Cord Wrap Installation

Part No.	D	I	J	Tool
Description	Push Handle	Cord Wrap	M5 x 28 mm Bolt and Nut	Phillips Screwdriver (Not Included)
Picture				
Quantity	1	2	4	1

- 1. **Align the Cord Wrap** Place the cord wrap (I) against the push handle (D), aligning its mounting holes with the corresponding holes on the push handle.
- 2. **Secure the Bolts** Insert the M5 x 28 mm bolts (J) into the holes and tighten them securely to complete the installation.

⚠ WARNING: Never start or operate the heater before the assembly is completely finished!



VI. Operation Instructions

⚠ WARNING: For optimal performance, 1-K kerosene is strongly recommended. 1-K kerosene eliminates objectionable odors (such as "rotten egg" smells) during operation. If 1-K kerosene is unavailable, No. 1 or No. 2 diesel fuel may be used, but additional fresh air ventilation must be provided to safely offset the increased indoor air pollutants. Using No. 1 or No. 2 fuel oil may increase maintenance frequency. Never use any unauthorized fuels other than those specified above.

1. Operation

⚠ PRECAUTIONS

- **Fuel Storage:** Follow local regulations regarding approved fuel storage containers. In many areas, blue containers are used for kerosene, yellow for diesel fuel, and red for gasoline. Never mix different types of fuel. Using the wrong fuel may result in fire, explosion, or serious injury.
- **Refueling Location:** Never refuel the heater indoors. Always refuel outdoors on a flat, level surface.
- **Ventilation Requirement:** Always provide a fresh air opening in the heated space of at least 3 sq. ft. (0.28 m²) for every 29 kW of heater output. If multiple heaters are operating, increase the size of the fresh air opening proportionally.

Examples of a 3 sq. ft. (0.28 m²) opening include:

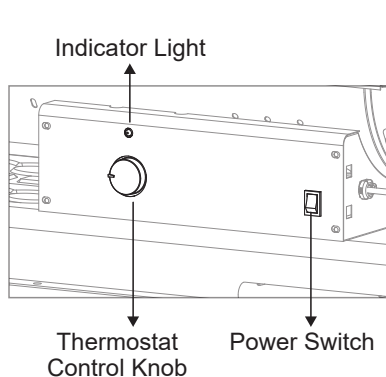
- A two-car garage door raised 6 inches (15.2 cm).
- A single-car garage door raised 9 inches (22.9 cm).
- Two 30-inch (76.2 cm) windows raised 15 inches (38.1 cm).

Operational Steps

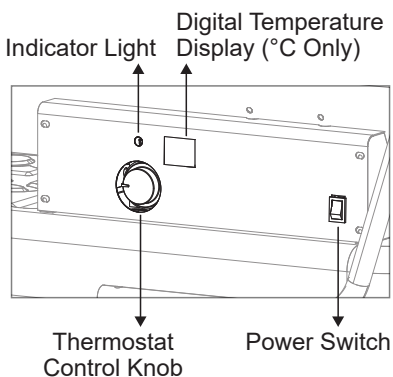
- **Refuel:** Fill the fuel tank with 1-K kerosene until the fuel gauge points to the "F" (Full) position.
- **Secure the Cap:** Tighten the fuel tank cap securely.
- **Connect Power:** Plug the heater directly into a standard 3-prong grounded outlet. Ensure the heater is positioned at least 6 ft. (1.8 m) away from any combustible materials. **NOTICE:** When using an extension cord, ensure it is properly grounded and meets these minimum wire size requirements to prevent overheating:
 - 6 to 10 ft. (1.8 to 3 m): 18 AWG
 - 11 to 100 ft. (3.4 to 30.4 m): 16 AWG
 - 101 to 200 ft. (30.8 to 61 m): 14 AWG(All wiring must comply with local, state, and national electrical codes.)
- **Start the Heater:** Turn the thermostat knob to your target temperature (range: 40°F to 110°F), then flip the power switch to "ON". The indicator light (KH-85) or digital temperature display (KH-135/KH-215) will illuminate, and the heater will start.

NOTE:

- The display will show "L0" when the room temperature is below 0°F.
- If the heater fails to ignite, increase the temperature setting and check the fuse. If it still does not start, turn the power switch to "OFF", then flip it back to "ON". If the issue persists, refer to Section VIII: Troubleshooting.



MODEL: KH-85



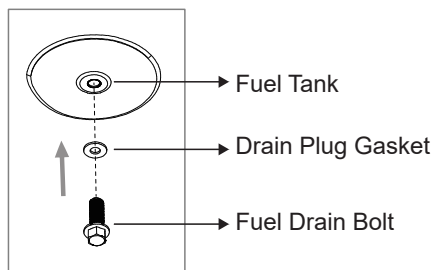
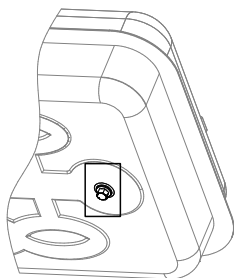
MODEL: KH-135, KH-215

2. Storage

NOTICE: The fuel tank must be completely drained before long-term storage. Never mix water with kerosene, as this will cause rust inside the tank. Ensure all fuel is completely emptied.

Draining Procedures:

- **KH-85:** Drain the fuel tank through the fuel tank opening using a siphon.
- **KH-135 / KH-215:** Drain the fuel tank through the drain hole at the bottom of the tank.
 - (1) Remove the fuel drain bolt, then take out the drain plug gasket from the drain hole.
 - (2) Rinse the inside of the fuel tank with a small amount of clean kerosene and drain completely.
 - (3) Properly fit the drain plug gasket, then thread the fuel drain bolt into the drain hole at the bottom of the tank and tighten it clockwise.



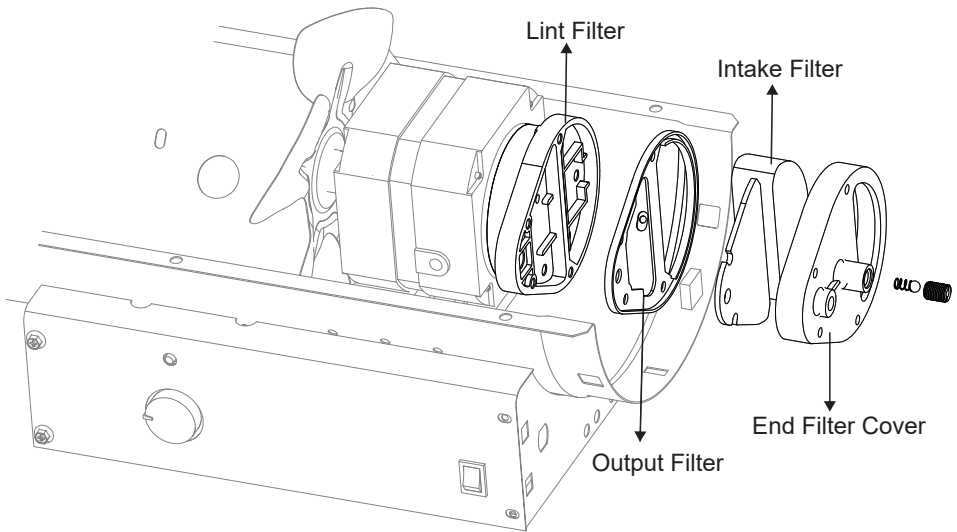
KH-135 / KH-215 Fuel Drain Bolt Removal

VII. Maintenance and Care

WARNING: Never service the heater while it is plugged in or hot! Use only original factory replacement parts. The use of third-party or aftermarket components may result in hazardous operating conditions and will void your warranty.

1. Cleaning

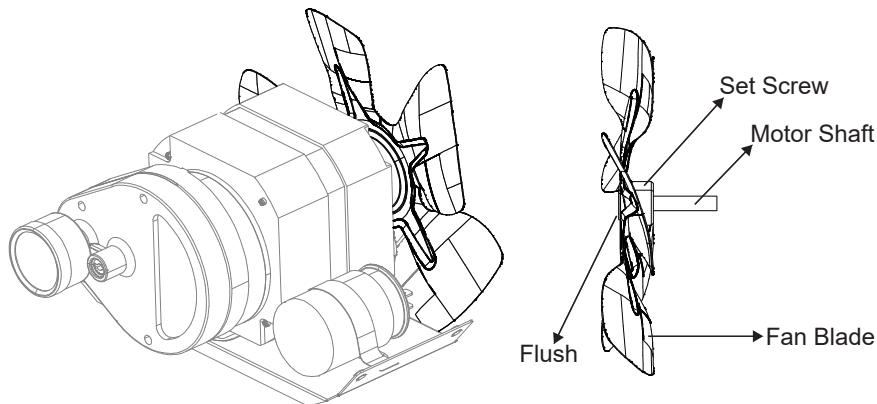
- **Fuel Tank:** Flush the fuel tank every 200 hours of operation or as needed. Add a small amount of clean kerosene, agitate, and rinse the inside of the tank.
DANGER: Never use water to clean the fuel tank.
- **Air Filters:** Wash the air intake filter with mild soap and water, dry it thoroughly, or replace it every 500 hours of operation (or more frequently in dusty environments). Replace the output filter and lint filter every 500 hours of operation, or sooner depending on actual operating conditions.



Filter Replacement

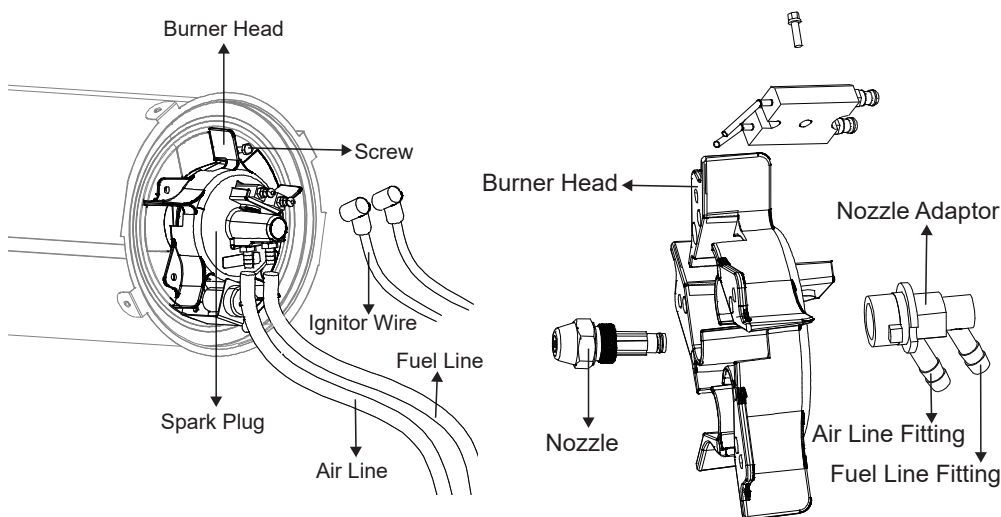
- **Fan Blades:** Clean at least once per heating season. Wipe away accumulated dust and dirt using a damp cloth.

CAUTION: Do not bend the fan blades during cleaning. Ensure the fan blades are completely dry before restarting the heater.



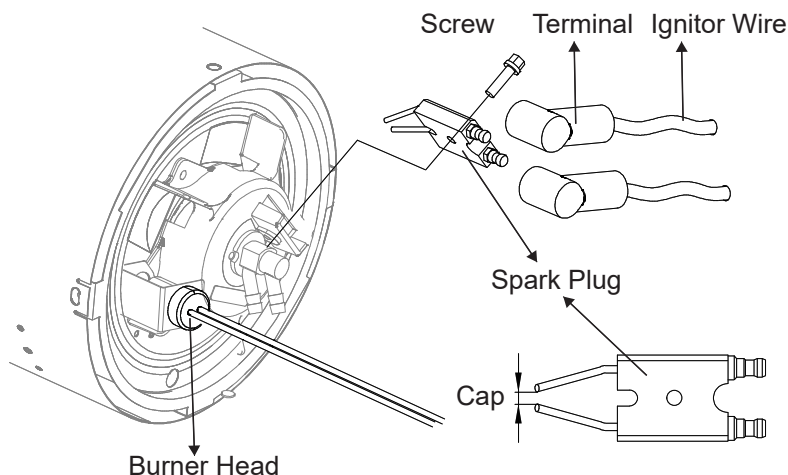
Fan Blade Replacement

- **Nozzle:** Clean or replace the nozzle at least once per heating season. Replace the nozzle immediately if the fuel is contaminated. To clear debris from the nozzle, blow compressed air through the front of the nozzle. If necessary, soak the nozzle in clean 1-K kerosene or diesel fuel to loosen stubborn particles.



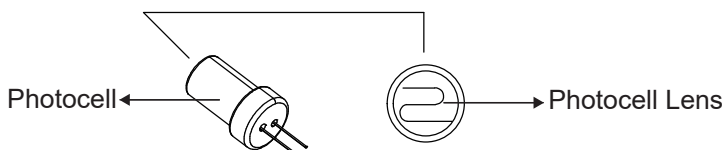
Nozzle Replacement

- **Spark Plug:** Clean and re-gap every 600 hours of operation, or replace as needed. After removing the spark plug, clean the terminals with a wire brush. Re-gap the terminals to 0.14 in. (3.5 mm).



Spark Plug Replacement

- **Photocell (Flame Sensor):** Clean at least once per heating season or more frequently depending on operating conditions. Wipe the photocell lens using a cotton swab moistened with water or alcohol. Reinstall the photocell in the correct position, as shown in the diagram.

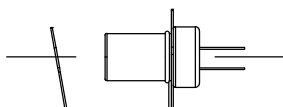


Installing Photocell:

1) Incorrect

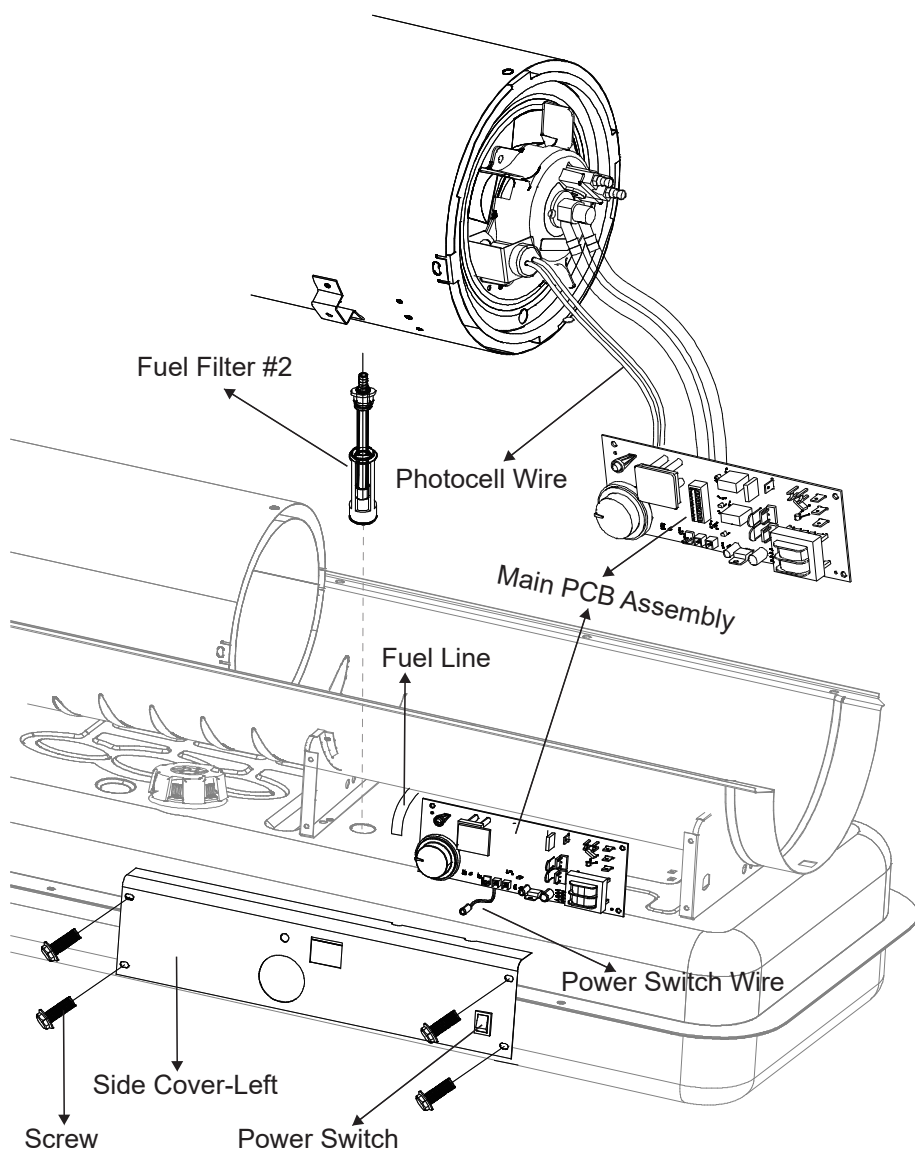


2) Correct



Photocell Positioning

- **Fuel Filter #1 and Fuel Filter #2:** Clean the fuel filters at least twice per heating season by rinsing it with clean 1-K kerosene or diesel fuel.
NOTICE: Clean the fuel filter immediately if the fuel becomes contaminated.
CAUTION: For all models, pull the rubber plug straight out to remove the fuel filter #2.
NOTICE: Using diesel fuel may require additional maintenance. Improper maintenance will lead to poor combustion and soot buildup.



Fuel Filter #2 Replacement

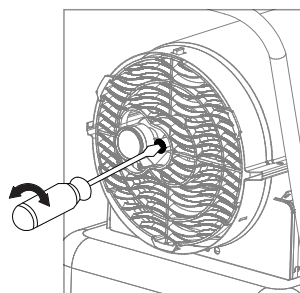
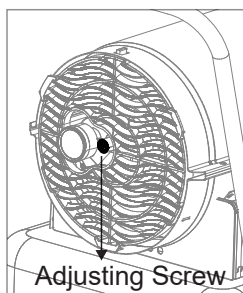
2. Storage

- Store the unit in a dry, well-ventilated area free of dust and corrosive vapors. Pack the heater in its original packaging and keep the instruction manual readily accessible.

3. Pump Pressure Adjustment

- **Location:** Centered on the fan guard at the rear of the heater.
- **Adjustment:** While the heater is operating, use a flat-head screwdriver to rotate the adjusting screw. Rotate clockwise to increase pressure, and counterclockwise to decrease pressure.

Model	Pump Pressure (Kpa / Psi)
KH-85	31.0 / 4.5
KH-135	38.0 / 5.5
KH-215	52.0 / 7.5



Pump Pressure Adjustment

- **Optimal Verification:** The pressure gauge must comply with the model specification (4.5 / 5.5 / 7.5 Psi), with the burner head glowing cherry red and no flame extending beyond.

NOTE:

- Consequences of improper pump pressure settings: Excessive pump pressure may cause flame extension beyond the burner head, creating a fire hazard. Insufficient pump pressure may result in incomplete combustion and a significant increase in carbon monoxide (CO) levels.
- Verifying the optimal pump pressure: When the fuel tank is full, the burner head should exhibit a cherry-red glow without any flame extending beyond the burner head. Black smoke, unusual odors, or yellow flames are warning signs of incomplete combustion. If any of these conditions occur, immediately turn the heater OFF, disconnect the power supply, and provide forced ventilation to the area before further inspection or operation.

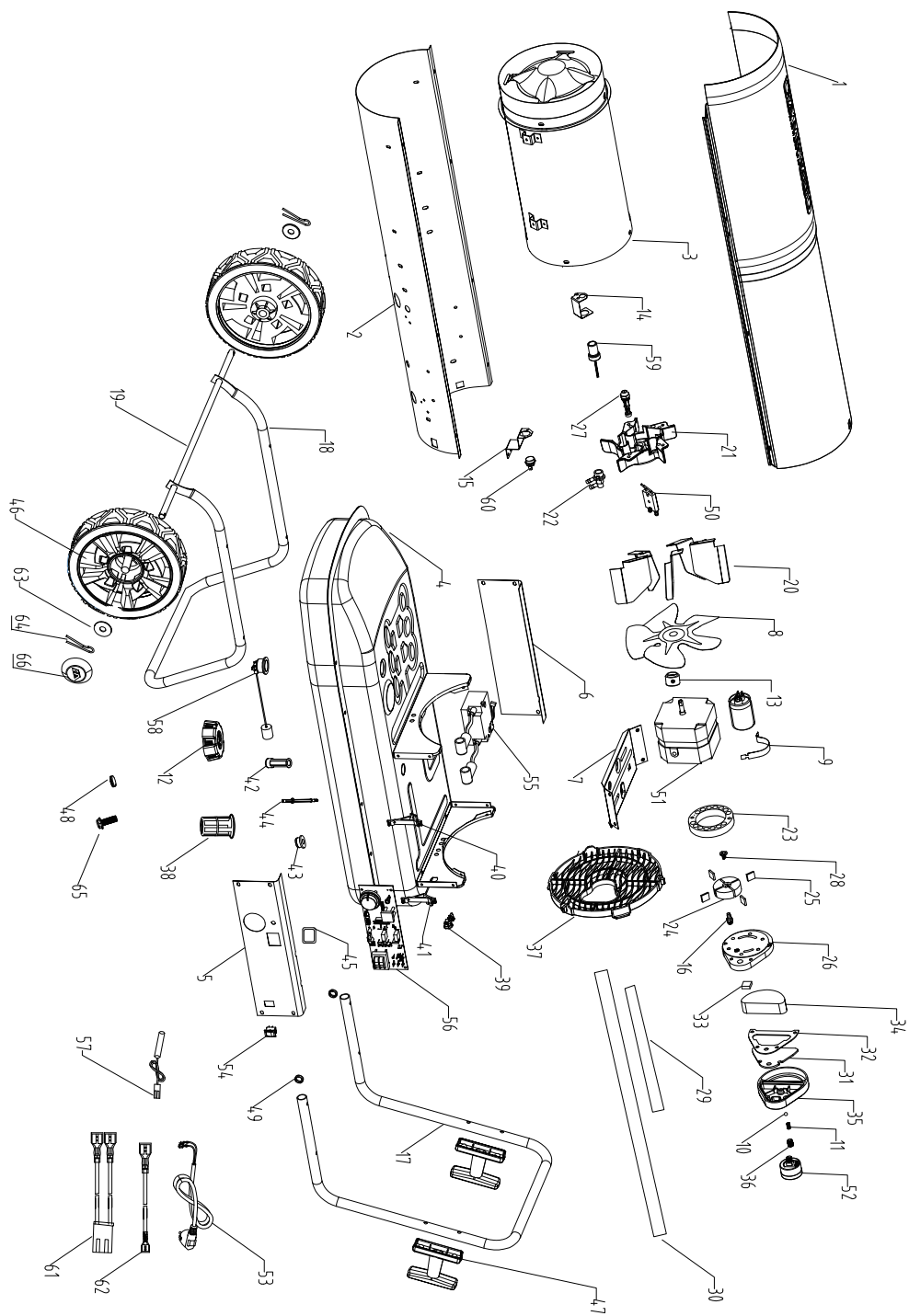
4. Important Information

- To ensure safety, the use of non-original or unauthorized parts for replacement or modification is strictly prohibited.
- This manual cannot cover every possible situation. If you have any questions regarding operation or maintenance, ensure you receive proper training or consult a qualified professional.

VIII. Troubleshooting

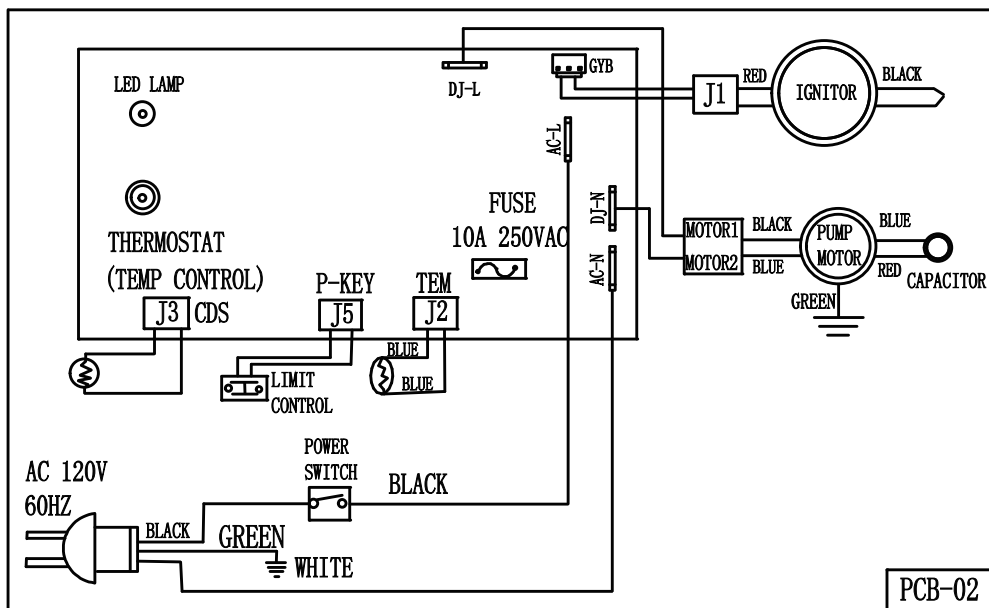
No.	Problem	Possible Cause	Solution
1	Heater fails to start; digital temperature display shows ambient temperature only.	Pump rotor (NO.24) or pump blades (NO.25) jammed	Adjust the clearance between the pump rotor (NO.24) and the pump body (NO.23)
		Motor assembly (NO.51) failure	Replace the motor assembly (NO.51)
		Loose or disconnected motor wiring	Inspect the motor wiring
		Main PCB Assembly (NO.56) failure	Replace the main PCB Assembly (NO.56)
		Fan blades (NO.8) deformed and jammed	Replace the fan blade (NO.8)
		Supply voltage below rated value	Adjust the supply voltage to the rated specification
		Target temperature set below ambient temperature	Adjust the target temperature above the ambient temperature
2	The heater fails to operate, or the motor runs for only a short period of time; the indicator light flashes, digital temperature display flashes "E1" (blinks once)	Fuel tank is empty (no fuel)	Fill the fuel tank with fresh fuel
		Incorrect pump pressure	Adjust the pump pressure (refer to page 19)
		Nozzle (NO.27), air line (NO.30), or fuel line (NO.29) not properly connected	Adjust and secure the air line (NO.30) and fuel line (NO.29)
		Fuel filter #2 (NO.42) clogged or dirty	Clean or replace the fuel filter #2 (NO.42) (refer to page 18)
		Nozzle (NO.27) clogged	Clean or replace the nozzle (NO.27)(refer to page 16)
		Fuel tank (NO.4) contaminated with water	Drain the fuel tank (NO.4) and flush with clean, fresh fuel
		Ignitor wire and spark plug (NO.50) not properly connected	Inspect all electrical connections (refer to pages 24)
		Carbon buildup on spark plug (NO.50) electrodes	Clean or replace spark plug (NO.50)
		Photocell assembly (NO.59) failure	Inspect or replace photocell assembly (NO.59)
		Loose or disconnected photocell wiring (NO.59)	Inspect connections and adjust the alignment between photocell bracket (NO.14) and sight glass

No.	Problem	Possible Cause	Solution
3	No response upon startup, heater fails to start, or shuts down during operation; digital temperature display shows "E2"	Temperature sensor (NO.57) failure	Replace temperature sensor (NO.57)
		Loose or broken temperature sensor (NO.57) wiring	Inspect temperature sensor (NO.57) wiring; replace if necessary
4	Indicator light flashes, and the digital temperature display shows "E3"	Thermostat (NO.60) failure	Replace thermostat (NO.60)
		Loose or broken thermostat wiring (NO.61)	Inspect or replace the thermostat wiring (NO.61)
		Internal temperature too high; thermostat (NO.60) triggered and automatically shut down the unit	Restart the heater once the unit has cooled down
5	Poor combustion / excessive carbon buildup	Air inlet/outlet is dirty or output filter (NO.31), lint filter (NO.33), intake filter (NO.34) is clogged	Clean or replace end pump cover (NO.26), end filter cover (NO.35), output filter (NO.31), lint filter (NO.33), or intake filter (NO.34)
		Fuel filter #2 (NO.42) is dirty	Clean or replace fuel filter #2 (NO.42)(P18)
		Poor fuel quality	Ensure fuel is clean / uncontaminated and not expired
		Pump pressure too high or too low	Adjust pump pressure to the standard value (P19)
6	Heater fails to start and indicator light does not illuminate	Internal temperature too high; thermostat (NO.60) triggered and automatically shut down the unit	Restart the heater once the unit has cooled down
		No power supply	Check the connection between the power cord assembly (NO.53) and the extension cord, and test the power supply
		Blown fuse (on NO.56 main PCB assembly)	Inspect or replace the fuse (on NO.56 main PCB assembly)
		Improper electrical connection between thermostat (NO.60) and main PCB assembly (NO.56)	Check all electrical connections (P24)

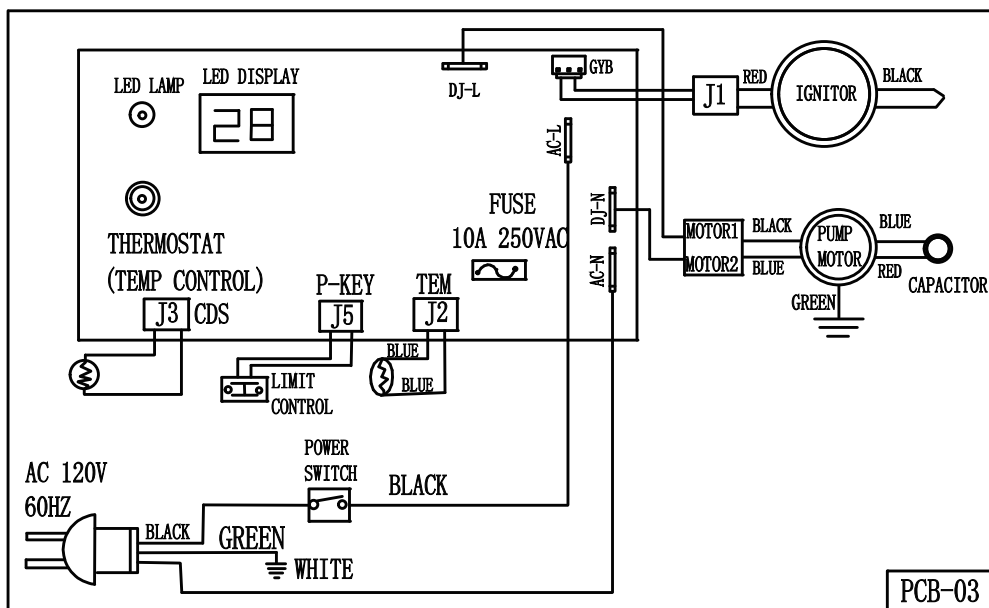


Exploded Parts Diagram

NO.	Part Name	NO.	Part Name	NO.	Part Name
1	Upper Shell	23	Pump Body	45	Digital Display Cover
2	Lower Shell	24	Pump Rotor	46	Wheel
3	Combustion Chamber Assembly	25	Pump Blade	47	Cord Wrap
4	Fuel Tank Assembly	26	End Pump Cover	48	Drain Plug Gasket
5	Side Cover-Left	27	Nozzle	49	Handle Plug
6	Side Cover-Right	28	Rotor Insert	50	Spark Plug
7	Motor Support	29	Fuel Line	51	Motor Assembly
8	Fan Blade	30	Air Line	52	Pressure Gauge
9	Capacitor Strap	31	Output Filter	53	Power Cord Assembly
10	Ball	32	Gasket-Output Filter	54	Power Switch
11	Spring	33	Lint Filter	55	Ignitor
12	Fuel Tank Cap	34	Intake Filter	56	Main PCB Assembly
13	Aluminum Fan Blade Hub	35	End Filter Cover	57	Temperature Sensor
14	Photocell Bracket	36	Adjusting Screw	58	Fuel Gauge
15	Thermostat Bracket	37	Fan Guard	59	Photocell Assembly
16	Hose Barb Adapter	38	Fuel Filter#1	60	Thermostat
17	Push Handle	39	Cord Clip	61	Thermostat Wire
18	Wheel Support Frame	40	PCB Bracket-Left	62	Power Switch Wire
19	Wheel Axle	41	PCB Bracket-Right	63	Flat Washer
20	Air Deflector	42	Fuel Filter#2	64	Cotter Pin
21	Burner head	43	Filter Seal	65	Fuel Drain Bolt
22	Nozzle Adaptor	44	Fuel Suction Pipe	66	Hubcap



KH-85 Wiring Diagram



KH-135 / KH-215 Wiring Diagram

NOTICE: NEVER leave the heater unattended while it is operating, burning, or connected to a power supply.

IX. Customer Service and Warranty Policy

We kindly ask that you email us directly from the marketplace where your product was purchased, along with the attached images and a description of your claim. This ensures we can assist you promptly.

If You Need to Return or Replace the Item

When you initiate a return or replace, please provide us with the genuine reason for your return in the comments section. This feedback is invaluable to us as it helps us continually improve our products and services. To ensure a smooth return or replace process, please retain the original packaging and include all components. Returns lacking the original packaging may be subject to refusal.

If You Need to Replace Parts

To ensure that we provide you with the correct replacement parts, please take clear photos of the parts that need to be replaced and the text markings on the box. This step is essential for our team to accurately identify your product number and the specific parts you require.

If You Received a Defective Item

Please take a clear photo of the damaged part and the text markings on the box. These photos will help us assess the situation and provide you with the best possible solution. If you need to return or replace the item, please retain the original packaging and include all components. Returns lacking the original packaging may be subject to refusal.

Manufacturer: Shenzhen Cammoo Trade Co., Ltd.

Add: Fortune Building 39H-W2, 88 Fuhua 3rd Road, Gangxia Community, Futian Street, Futian District, Shenzhen City, Guangdong, China, 518000.

MADE IN CHINA