



Parts & Service



Owner's Manual and Instructions

Tradesman Kerosene Heaters



Congratulations!

You have purchased the finest kerosene portable forced air construction heater available.

Your new L.B. White heater incorporates the benefits from the most experienced manufacturer of heating products using state-of-the-art technology.

We, at L.B. White, **thank you** for your confidence in our products and welcome any suggestions or comments you may have...call us, toll-free, at (800) 345-7200.

ATTENTION ALL USERS

This heater has been tested and evaluated by C.S.A. International in accordance with the requirements of Standard UL733 and ANSI A10.10-1998, CAN/CSA B140.0-03 and CSA B140.8 - 1967 and is listed and approved as a Kerosene forced-air construction heater with application for the temporary heating of buildings under construction, alteration, or repair. If you are considering using this product for any application other than its intended use, then please contact the L.B. White Co., Inc.



Quality heaters you can count on.

A GENERAL HAZARD WARNING

- Failure to comply with the precautions and instructions provided with this heater, can result in:
 - Death
 - Serious bodily injury or burns
 - Property damage or loss from fire or explosion
 - Asphyxiation due to lack of adequate air supply or carbon monoxide poisoning
 - Electrical shock
- Read this Owner's Manual before installing or using this product.
- Only properly-trained service people should repair or install this heater.
- Save this Owner's Manual for future use and reference.
- Owner's Manuals and replacement labels are available at no charge. For assistance, contact L.B. White at 800-345-7200.



Fire and Explosion Hazard

- Not for home or recreational vehicle use.
- Installation of this heater in a home or recreational vehicle may result in a fire or explosion.
- Fire or explosions can cause property damage or loss of life.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

Fire and Explosion Hazard

- Keep solid combustibles a safe distance away from the heater.
- Solid combustibles include wood, paper, or plastic products, building materials and dust.
- Do not use the heater in spaces which contain or may contain volatile or airborne combustibles.
- Volatile or airborne combustibles include gasoline, solvents, paint thinner, dust particles or unknown chemicals.
- Failure to follow these instructions may result in a fire or explosion.
- Fire or explosions can lead to property damage, personal injury or loss of life.



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General Information

This Owner's Manual includes all options and accessories commonly used on this heater.

When calling for technical service assistance, or for other specific information, always have model number, configuration number and serial number available. This information is contained on the dataplate.

This manual will instruct you in the operation and care of your unit. Have your qualified installer review this manual with you so that you fully understand the heater and how it functions. The installation, repair, and servicing of the heater requires continuing expert training and knowledge of kerosene heaters and should not be attempted by anyone who is not so qualified.

Contact your local L.B. White distributor or the L.B. White Co., Inc. for assistance, or if you have any questions about the use of the equipment or its application.

The L.B. White Co., Inc. has a policy of continuous product improvement. It reserves the right to change specifications and design without notice.

Heater Specifications

		Мо	del	
SPECIFICATIONS		CP045CK		CP075CK
Fuel Type			1-K, Kerose	ene
Max Input (BTUH)		45,000		75,000
Ventilation Air Required to Support Combustion		175 CFM		265 CFM
Pump Pressure (psig)		2.8		3.8
Fuel Consumption per Hour (gal)		.35		.57
Motor Characteristics			Ball Bear	ing
		1/8 HP, 3,300 RPM		1/8 HP, 3120 RPM
Electrical Supply (Voltz/Hz/Phase)			120/60/	′1
Amp Draw	CONTINUOUS OPERATION	1.6		1.6
Dimensions (Inches) Length x wid	th x height	32	2" x 11 ³/4"	x 16 ³/4"
Minumum Safe	ТОР		4 ft.	
Distances From	SIDES		4 ft.	
Nearest	BACK		4 ft.	
Combustible	BLOWER OUTL		8 ft.	
Materials	BULK FUEL STO	DRAGE CONTAINER	25 ft.	
Net Weight (Lbs.)		27.6		27.6
Shipping Weight (Lbs.)		32.0		32.0
Minimum Ambient Temperature in Which Heater May Be Used			-20°F	

Heater Specifications

			Model	
SPECIFICATIONS		CP125DK	CP175DK	CP210DK
Fuel Type			1-K, Kerosene	
Max Input (BTUH)		125,000	175,000	210,000
Ventilation Air Required to Support	Combustion	520 CFM	600 CFM	650 CFM
Pump Pressure (PSIG)		5.5	7.5	8.5
Fuel Consumption per Hour (gal)		.95	1.32	1.6
Motor Characteristics			Ball Bearing	
		1/5HP 3455 RPM	1/4HP 3430 RPM	1/3HP 3380 RPM
Electrical Supply (Voltz/Hz/Phase)			120/60/1	
Amp Draw	CONTINUOUS OPERATION	2.5	3.2	3.7
Length x Width x Height	36 ¹ /10	o" x 23 x 24 ⁶ /10"	41 ⁸ /10 × 24 ⁶ /10	o" x 26 ¹ /10"
Minumum Safe	Тор		4 ft.	
Distances From	Sides Book		4 ft. 4 ft.	
Nearest Combustible	Back Blower Outlet		8 ft.	
Materials	Bulk Fuel Stora	ge Container	25 ft.	
Net Weight (lbs.)		55.8	62.4	63.9
Shipping Weight (lbs.)		63.1	71.2	72.8
Minimum Ambient Temperature in which Heater may be used			-20°F	

Safety Information

HAZARD DEFINITIONS

Indicates an imminently hazardous situation which, if not avoided *WILL* result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, *COULD* result in death or serious injury.



Indicates a potentially hazardous situation which, if not avoided, *MAY* result in minor or moderate injury.

GENERAL SAFETY INFORMATION



Before using this heater, please read this USER'S MANUAL very carefully. This USER'S MANUAL has been designed to instruct you as to the proper manner in which to assemble, maintain, store, and most importantly, how to operate the heater in a safe and efficient manner.

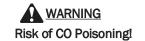


Never leave the heater unattended while burning!



Improper use of this heater can result in serious injury or death from burns, fire, explosion, electrical shock, and/or carbon monoxide poisoning.

GENERAL SAFETY INFORMATION (cont.)



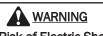
Use this heater only in well ventilation areas. Provide proper ventilation. See heater specifications (page 4 & 5).

Never use this heater in living or sleeping areas.

Carbon Monoxide Poisoning: Early signs of carbon monoxide poisoning resemble flu-like symptoms such as headaches, dizziness, and/or nausea. If you have these symptoms, your heater may not be working properly.

Get fresh air at once! Have the heater serviced.

People with breathing problems should consult a physician before using the heater.



Risk of Electric Shock!

Use only the electrical power (voltage and frequency) specified on the model plate of the heater. Use only a threeprong, grounded outlet and extension cord.
ALWAYS install the heater so that it is not directly exposed to water spray, rain, dripping water, or wind.
ALWAYS unplug the heater when not in use.

CALIFORNIA RESIDENTS: This heater produces carbon monoxide, which is listed by the State of California as a reproductive toxin under Proposition 65.

MASSACHUSETTS RESIDENTS: Massachusetts state law prohibits the use of this heater in any building which is used in whole or in part for human habitation. Use of this heating device in Massachusetts requires local fire dept. permit (M.E.L.C. 148, Section 10A).

CANADIAN RESIDENTS: Use of this heater shall be in accordance with authorities having jurisdiction and CSA Standard B139.

NEW YORK CITY RESIDENTS: For use only at construction sites in accordance with applicable NYC codes under NYCFD certificate of approval #5034 and 5037

WARNING Risk of Burns/Fire/Explosion!

-Keep all combustible materials away from this heater. Minimum Clearances Outlet 8 feet (250 cm)

8 feet (250 cm) 4 feet (125 cm)

- NEVER use fuels such as gasoline, benzene, paint thinners, or other oil compounds in this heater

(RISK OF FIRE OR EXPLOSION).

Sides, Top and Rear

- NEVER use this heater where flammable vapors may be present.

- NEVER refill the heater's fuel tank while heater is operating or still hot. This heater is EXTREMELY HOT while in operation.

- NEVER block air inlet (rear) or air outlet (front) of heater.

- NEVER use duct work in front or at rear of heater.
- NEVER move or handle heater while still hot.

- NEVER transport heater with fuel in its tank.

- When used with optional thermostat or if equipped with a thermostat, the heater may start at any time.

- ALWAYS locate heater on a stable and level surface.
- Use 1-K kerosene in this heater. #1 fuel oil is a suitable substitute.

- Bulk fuel storage should be a minimum of 25 ft. from heaters, torches, portable generators, or other sources of ignition. All fuel storage should be in accordance with federal, state, or local authorities having jurisdiction.

Installation and Assembly Instructions

HEATER SPECIFICATIONS

Introduction

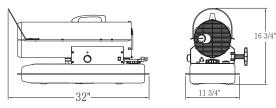
Please read this USER'S MANUAL carefully. It will show you how to assemble, maintain and operate this heater safely and efficiently to obtain the full benefits of its many features.

Consumer: Retain these instructions for future reference.

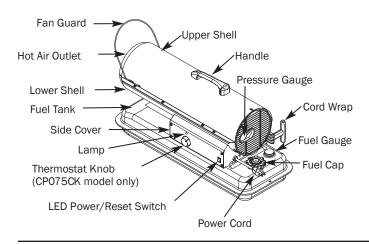
Unpacking

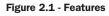
- 1. Remove all packing items applied to heater for shipment.
- 2. Remove all items from carton.
- 3. Check all items for shipping damage. If heater is damaged, promptly inform dealer where you purchased heater.

Dimensions



Product Features





Models CP045CK and CP075CK

Figure 1.1 - Heater Dimensions

Dimensions

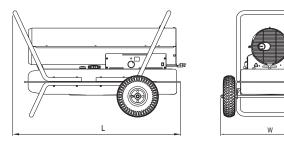


Figure 1.2 - Heater Dimensions

	CP125DK	CP175DK CP210DK
Height	24.6"	26.1"
Length	36.1"	41.8"
Width	23"	24.6"

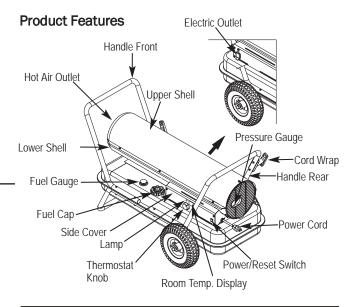


Figure 2.2 - Features

Installation and Assembly Instructions

ASSEMBLY

TOOLS REQUIRED

CP045CK/CP075CK

- Medium Phillips screwdriver.

- 1. Lift front guard for arrow direction and make sure that guard's wedged portion fits into the slit hole on the upper housing.
- 2. Align the holes in upper housing with two mounting holes on the handle as shown in Figure 4.
- 3. Secure handle with screws provided.
- 4. Insert cord wrap into the rectangle holes on the supporter and align the hole on the cord wrap with the mounting hole on the side covers shown in Figure 4.
- 5. Secure cord wrap with screws provided.

CP125DK/CP175DK/CP210DK

- Medium Phillips screwdriver.

- M5 open, or adjustable wrench.

1. Slide threaded axle through the rear section of the wheel support frame.

NOTE : When installing wheels, tube valve should face out from support frame (Figure 5).

- 2. Slide one axle bushing on to each side of the axle. Slide one wheel on to each side of the axle.
- 3. Attach one cap nut on to each side of the threaded axle and tighten well.
- 4. Place heater on wheel support frame. Make sure the air inlet end (rear) of heater is over wheels. Align the holes on fuel tank flange. Insert screws through handles (front and rear), fuel tank flange, and wheel support frame as shown in Figure 5 and attach nut finger tight after each screw is inserted.
- 5. After all screws are inserted, tighten nuts firmly.
- 6. Align the hole on the handle (front and rear) with the mounting hole on the cord wrap.
- 7. Insert screws through cord wrap, handles as shown in Figure 5 and attach nut finger tight after each screw is inserted.
- 8. After all screws are inserted, tighten nuts firmly.

USE CAUTION WHEN INFLATING TIRES:

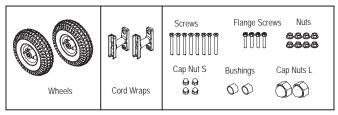
- Do NOT over inflate tire. Maximum air pressure is 36 PSI.
- Over inflation may lead to serious injury
- NEVER fill tires using an air compressor. A manual pump is recommended

WARNING	Model	CP045CK/CP075CK	CP125DK	CP175DK	CP210DK
	Wheel Support Frame	No	Yes	Yes	Yes
Fire or explosion hazard!	Wheels	No	Yes	Yes	Yes
Do not operate heater without support frame fully	Front-Handle	No	Yes	Yes	Yes
assembled to tank.	Rear-Handle	No	Yes	Yes	Yes
	Axle	No	Yes	Yes	Yes
	Cord Wrap	Yes	Yes	Yes	Yes
	Hardware Kit	Yes	Yes	Yes	Yes
	Handle	Yes	No	No	No
CP045CK / CP075CK Models		Handle	Froi	nt Guard	
	<u> </u>				



Figure 3.1 - Component Identification

CP125DK/CP175DK/CP210DK



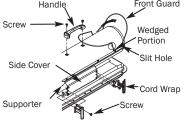
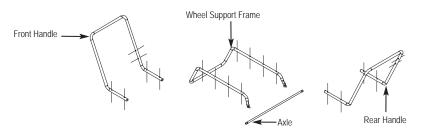
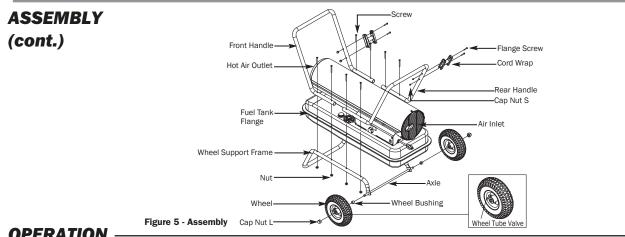


Figure 4 – Handle and Cord Wrap Installation CP045CK and CP075CK







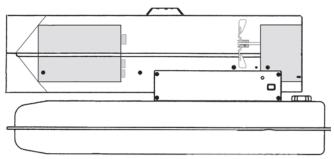


Figure 6 - Overview of Heater Design

OVERVIEW OF HEATER DESIGN

Fuel System: This heater is equipped with an electric air pump that forces air through the air line connected to the fuel intake, and then through a nozzle in the burner head. When air passes in front of the fuel intake, it causes fuel to rise from the tank and into the burner nozzle.

This fuel and air mixture is then sprayed into the combustion chamber in a fine mist.

SureFire Ignition: The electronic ignitor sends voltage to a specially designed spark plug. The spark plug ignites the fuel and air mixture described above.

The Air System: The heavy duty motor turns a fan that forces air into and around the combustion chamber. Here, the air is heated and then forced out the front of the heater.

THE SAFETY SYSTEM

Temperature Limit Control: This heater is equipped with a Temperature Limit Control designed to turn the heater off should the internal temperature rise to an unsafe level. If this device activates and turns your heater off, it may require service.

Once the temperature falls below the reset temperature, you will be able to start your heater.

Model	Internal Shut-off Temp. +/-10 Degrees	Reset Temp. +/-10 Degrees
CP045CK/CP075CK	176°F/80°C	122°F/50°C
CP125DK	230°F/110°C	194°F/90°C
CP175DK	158°F/70°C	104°F/40°C
CP210DK	194°F/90°C	140°F/60°C

Electrical System Protection: This heater's electrical system is protected by a fuse mounted to the PCB Assembly that protects it and other electrical components from damage. If your heater fails to operate, check this fuse first and replace as needed.

Flame-Out Sensor: Utilizes a photocell to monitor the flame in burn chamber during normal operation. It will cause the heater to shut off should the burner flame extinguish.

FUEL SPECIFICATIONS

KEROSENE (1-K)

For optimal performance of this heater, it is strongly suggested that 1-K kerosene be used. 1-K kerosene has been refined to virtually eliminate contaminants, such as sulfur, which can cause a rotten egg odor during the operation of the heater. However, #1 or #2 fuel oil (diesel fuel) may also be used if 1-K kerosene is not available. Be advised that these fuels do not burn as clean as 1-K kerosene, and care should be taken to provide more fresh air ventilation to accommodate any added contaminants that may be added to the heated space.



Fire and explosion hazard!

- Kerosene should only be stored in a blue container that is clearly marked "kerosene". Never store kerosene in a red container. Red is associated with gasoline.
- NEVER store kerosene in the living space. Kerosene should be stored in a well ventilated area outside the living area.
- NEVER use fuel such as gasoline, benzene, alcohol, white gas, camp stove fuel, paint thinners, or other oil compounds in this heater (THESE ARE VOLATILE FUELS THAT CAN CAUSE A FIRE OR EXPLOSION).
- NEVER store kerosene in direct sunlight or near a source of heat.
- NEVER use kerosene that has been stored from one season to the next. Kerosene deteriorates over time. OLD KEROSENE WILL NOT BURN PROPERLY IN THIS HEATER.
- Use 1-K kerosene in this heater. #1 fuel oil is a suitable substitute.

OPERATION (cont.)

FUELING YOUR HEATER

Never fill the heater fuel tank in the living space: fill the tank outdoors.

Do not overfill your heater and be sure heater is level.



Fire and explosion hazard!

· Never refill fuel tank when heater is operating or still hot.

IMPORTANT: REGARDING FIRST IGNITION OF HEATER. The first time you light the heater, it should be done OUTDOORS. This allows the oils, etc., used in manufacturing heater to be burned off outside.

TO START HEATER

- 1. Fill fuel tank with kerosene or No. 1 fuel oil.
- 2. Attach fuel cap.
- 3. Plug power cord into three prong, grounded extension cord. Extension cord must be at least six feet long.
 - Extension Cord Wire Size Requirements:
 - 6 to 100 feet (1.8 to 30.53 meters) long, use 16 AWG conductor.
 - 101 to 200 feet (30.8 to 61 meters) long, use 14 AWG conductor.

NO THERMOSTAT ON 45

4. Turn thermostat control knob to desired setting and push power switch to "ON" position. Power lamp will light and heater will start.

NOTE: Room Temp. display indicates as following:

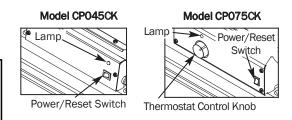
- When room temp. is less than 0°F: "lo".
- When room temp. is between 0° F and 99° F: "Temp. is Displayed"
- When room temp is greater than 99°F: "Hi"

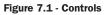
If heater does not start, the thermostat setting may be too low. Turn THERMOSTAT CONTROL KNOB to higher position to start heater. If heater still does not start, turn power switch to "OFF" and then to "ON" position (See Figure 7.1&7.2) If heater still does not start, see Troubleshooting on page 18.

NOTE: The major electrical components of this heater are protected by a safety fuse mounted to the PCB board. If your heater fails to start, check this fuse first and replace as necessary. You should also check your power source to insure that proper voltage and frequency are being supplied to the heater.

TO SHUT DOWN HEATER

Turn switch to "OFF" and unplug power cord.





Model CP125DK, CP175DK, CP210DK

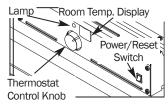


Figure 7.2 - Controls

TO RESTART HEATER

- 1. Wait 10 seconds after stopping heater.
- 2. Repeat steps under, "TO START HEATER."

EXTRA ELECTRICAL OUTLET

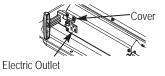
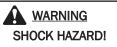


Figure 8 - Electric Outlet CP125DK-210DK



Always cover electric outlet when not in use. Don't plug and use an appliance of more than 5A current in this outlet.

OPERATION (cont.) -

LONG-TERM STORAGE OF YOUR HEATER

FUEL TANK DRAIN CP045CK & CP075CK

- 1. Drain fuel tank through fuel cap opening.
- 2. Using a small amount of kerosene, swirl and rinse the inside of the tank.

NEVER MIX WATER WITH KEROSENE, as it will cause rust inside the tank. Pour the kerosene out, making sure that you remove it all.

IMPORTANT: Do not store kerosene over summer for use during next heating season. Using old fuel may damage heater.

- 3. Reinstall fuel cap. Properly dispose of old and dirty fuel.
 - Make sure storage place is free of dust and corrosive fumes.
 - Store the heater in the original box with the original packing material and keep USER'S MANUAL with heater.

FUEL TANK DRAIN CP0125DK - CP210DK

1. Remove drain bolt from bottom of fuel tank . See Figure 9.

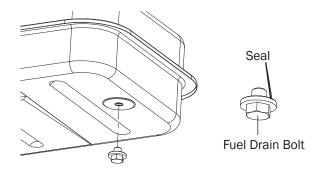


Figure 9 - Drain Plug Removal

2. Using a small amount of kerosene, swirl and rinse the inside of the tank.

NEVER MIX WATER WITH KEROSENE, as it will cause rust inside the tank. Pour the kerosene out, making sure that you remove it all.

IMPORTANT:

Do not store kerosene over summer for use during next heating season. Using old fuel may damage heater.

- 3. Tighten drain bolt firmly into the tank, otherwise it will not seal completely.
- Make sure storage place is free of dust and corrosive fumes.
- Store the heater in the original box with the original packing material and keep USER"S MANUAL with heater.

MAINTENANCE

USE ORIGINAL EQUIPMENT REPLACEMENT PARTS. Use of third-party or other alternate components will void warranty and may cause unsafe operating conditions.

hot!

	WARNING
Fire or e	explosion hazard!
- Never service heater while	it is plugged in or while

FUEL TANK

Flush every 200 hours of operation or as needed (See Long-term Storage, page 12).

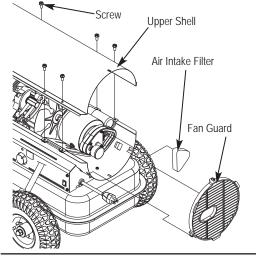


Figure 10 - Air Filter Access

AIR INTAKE FILTER

WASH AND DRY WITH SOAP AND WATER EVERY 500 HOURS OF OPERATION, OR AS NEEDED.

- Remove screws along each side of heater using medium Phillips screwdriver.
- Lift off upper shell.
- Remove fan guard.
- Wash or replace air intake filter.
- Reinstall fan guard and upper shell.

AIR OUTPUT FILTER, LINT FILTER

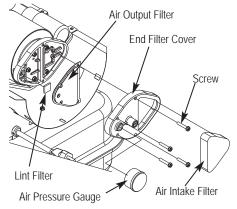


Figure 11 - Filter Assembly

REPLACE EVERY 500 HOURS OF OPERATION OR ONCE A YEAR

- Remove upper shell and fan guard (See Air Intake Filter Figure 10).
- Turn air pressure gauge counter-clockwise and remove.
- Remove end filter cover screws using medium Phillips screwdriver.
- Remove end filter cover.
- Replace air output and lint filter.
- Reinstall end filter cover and air pressure gauge.
- Reinstall fan guard and upper shell.

FAN BLADES

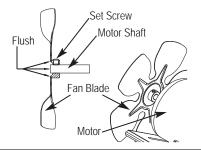


Figure 12 - Fan Assembly

CLEAN EVERY SEASON OR AS NEEDED

- Remove upper shell (See Air Intake Filter).
- Use M6 Allen wrench to loosen set screw which holds fan blade to motor shaft.
- Slip fan blade off motor shaft.
- Clean fan blade using soft cloth moistened with kerosene or solvent.
- Dry fan blade thoroughly.
- Reinstall fan blade to motor shaft.
- Place fan blade hub flush with end of motor shaft.
- Place set screw on flat of shaft.
- Tighten screw firmly (40-50 inch-pounds/4.5-5.6 N-m).
- Reinstall upper shell.

NOZZLE

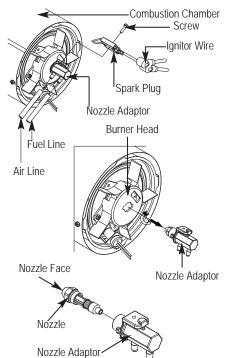


Figure 13 – Nozzle Replacement For Models CP045CK-CP175DK

CLEAN NOZZLE AS NEEDED

(For Models CP045CK - CP175DK only)

- Remove upper shell (See Air Intake Filter, page 13).
- Remove fan blade (See Fan Blades).
- Remove fuel and air line hoses from nozzle adaptor.
- Remove ignitor wire from spark plug.
- Remove spark plug from nozzle adaptor using medium phillips screwdriver.
- Turn nozzle adaptor 1/9 turn(40°) to counter clock wise and pull toward motor to remove. (See Figure 13)
- Place plastic hex-body into vise and lightly tighten.
 Carefully remove nozzle from burner head using 5/8" socket wrench.
- Blow compressed air through face of nozzle. (this will remove any dirty in nozzle)
- Reinstall nozzle into nozzle adaptor until nozzle seats. Tighten 1/3 turn more using 5/8" socket wrench. (40~45 inch-pounds)
- Reinstall nozzle adaptor to burner head.
- Reinstall spark plug to nozzle adaptor.
- Attach ignitor wire to spark plug.
- Attach fuel and air line hoses to nozzle adaptor.
- Reinstall fan blade and upper shell.

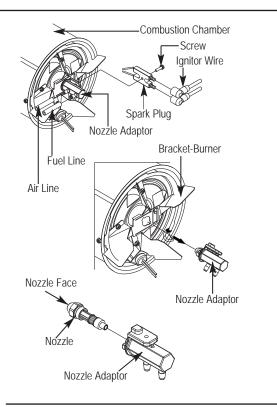


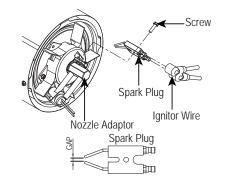
Figure 14 – Nozzle Replacement CP210DK

(For Model CP210DK Only)

- Remove upper shell (See Air Intake Filter, page 13).
- Remove fan blade (See Fan Blades).
- Remove fuel and air line hoses from nozzle adaptor.
- Remove ignitor wire from spark plug.
- Remove spark plug from nozzle adaptor using medium phillips screwdriver.
- Turn nozzle adaptor 1/8 turn (45°) to counter clock wise and pull toward motor to remove. (See Figure 14)
- Place plastic hex-body into vise and lightly tighten.
- Carefully remove nozzle from adaptor-nozzle using 5/8" socket wrench.
- Blow compressed air through face of nozzle. (this will remove any dirt in nozzle)
- Reinstall nozzle into nozzle adaptor until nozzle seats Tighten 1/3 turn more using 5/8" socket wrench (40~45 inch-pounds)
- Reinstall nozzle adaptor to burner bracket
- Reinstall spark plug to nozzle adaptor.
- Attach ignitor wire to spark plug.
- Attach fuel and air line hoses to nozzle adaptor.
- Reinstall fan blade and upper shell.

SPARK PLUG

CLEAN AND REGAP EVERY 600 HOURS OF OPERATION OR REPLACE AS NEEDED.





- (For Models CP045CK-CP175DK)
- Remove upper shell (See Air Intake Filter, page 13).
- Remove fan (See Fan Blades).
- Remove ignitor wire from spark plug.
- Remove spark plug from nozzle adaptor using mediumphillips screwdriver.
- Clean and regap spark plug electrodes to 3.5mm gap.
- Reinstall spark plug to nozzle adaptor.
- Attach ignitor wire to spark plug.
- Reinstall fan and upper shell.

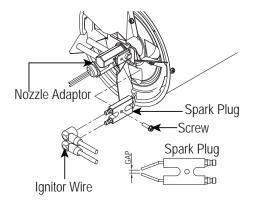


Figure 16 – Spark Plug Replacement

(For Model CP210DK only)

- Remove upper shell (See Air Intake Filter, page 13).
- Remove fan (See Fan Blades).
- Remove ignitor wire from spark plug.
- Remove spark plug from nozzle adaptor using mediumphillips screwdriver.
- Clean and regap spark plug electrodes to 3.5mm gap.
- Reinstall spark plug to nozzle adaptor.
- Attach ignitor wire to spark plug.
- Reinstall fan and upper shell.

PHOTOCELL

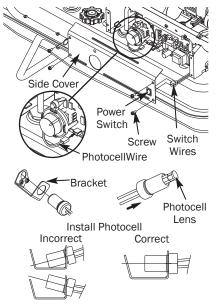


Figure 17 – Photocell Replacement

CLEAN PHOTOCELL ANNUALLY OR AS NEEDED.

- Remove upper shell (See Air Intake Filter, page 13)
- Remove fan (See Fan Blades)
- Remove photocell from its mounting bracket.
- Clean photocell lens with cotton swab.
- TO REPLACE: Remove side cover near power switch.
- Disconnect wires from power switch and remove side cover.
- Disconnect wires from circuit board and remove photocell.
- Install new photocell and attach wires to circuit board
- Replace switch wires to power switch and side cover.
- Replace fan and upper shell.

FUEL FILTER

CLEAN OR REPLACE TWICE PER HEATING SEASON OR AS NEEDED.

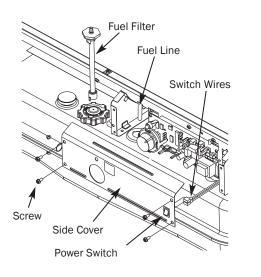


Figure 18 – Fuel Filter Replacement

- Remove side cover screws using medium Phillips screwdriver.
- Disconnect switch wires from power switch and remove side cover.
- Pull fuel line off fuel filter neck.
- Turn fuel filter clockwise 90 degrees and pull to remove.
- Wash fuel filter with clean fuel and replace in tank.
- Attach fuel line to fuel filter neck.
- Reinstall side cover.

PUMP PRESSURE ADJUSTMENT

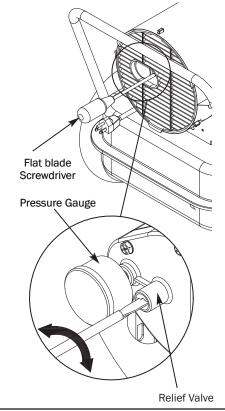


Figure 19 – Adjusting Pump Pressure

- Start heater (See "Operation", page 10).

- Allow motor to reach full speed.
- Adjust pressure (using flat blade screwdriver).
- Turn relief valve clockwise to increase pressure.
- Turn relief valve counterclockwise to decrease pressure.
- Set pump pressure to correct pressure for each model.
- Stop heater (see "Operation", page 10).

Model	Pump Pressure
CP045CK	2.8 PSI
CP075CK	3.8 PSI
CP125DK	5.5 PSI
CP175DK	7.5 PSI
CP210DK	8.5 PSI

NOTE: USE ONLY ORIGINAL EQUIPMENT REPLACEMENT PARTS. Use of alternate or third party components will void warranty and may cause an unsafe operating condition.

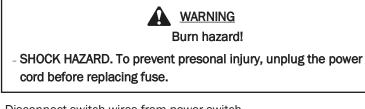
REPLACING FUSE

NOTE: The heater is fuse protected. If

your heater fails to ignite, DO NOT RETURN YOUR HEATER TO THE STORE.

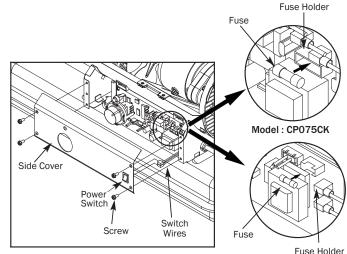
Please follow the simple instructions below to inspect and change the fuse.

- Unplug heater.
- Remove side cover screws using medium Phillips screwdriver.



- Disconnect switch wires from power switch.
- Remove fuse from fuse holder (See Figure 20).
- Replace fuse with enclosed fuse.
- Replace switch wires to power switch.
- Replace side cover.

NOTE: Specified fuse rating: AC 125/8A, part number 572447



Model : CP045CK

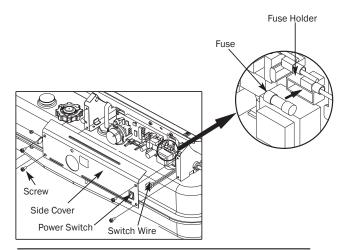


Figure 20 – Replacing Fuse

WIRING DIAGRAM

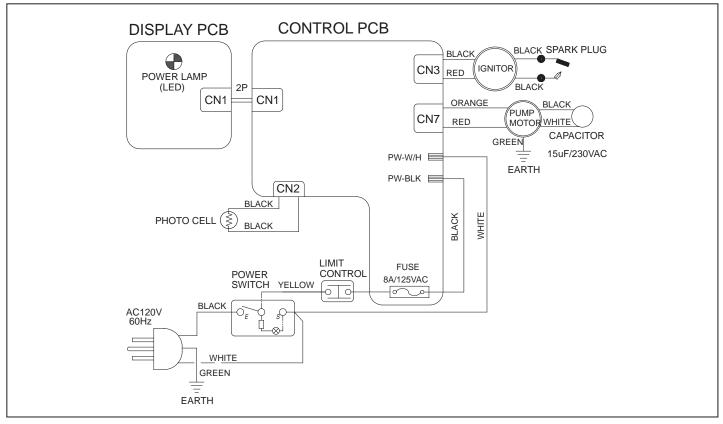


Figure 21 - Wiring Diagram Model CP045CK

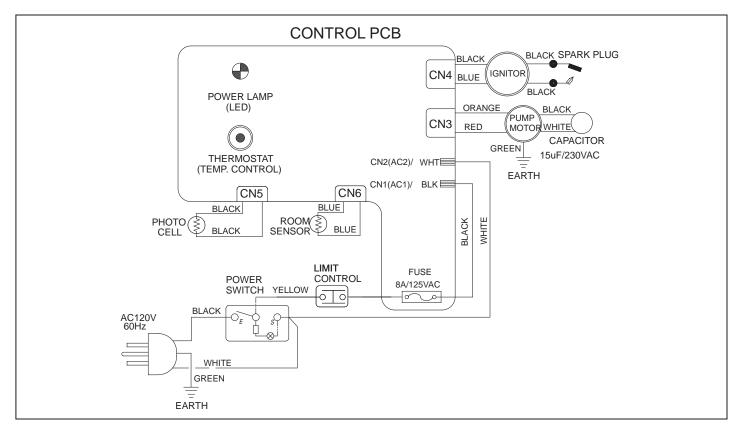


Figure 22 - Wiring Diagram Model CP075CK

WIRING DIAGRAM

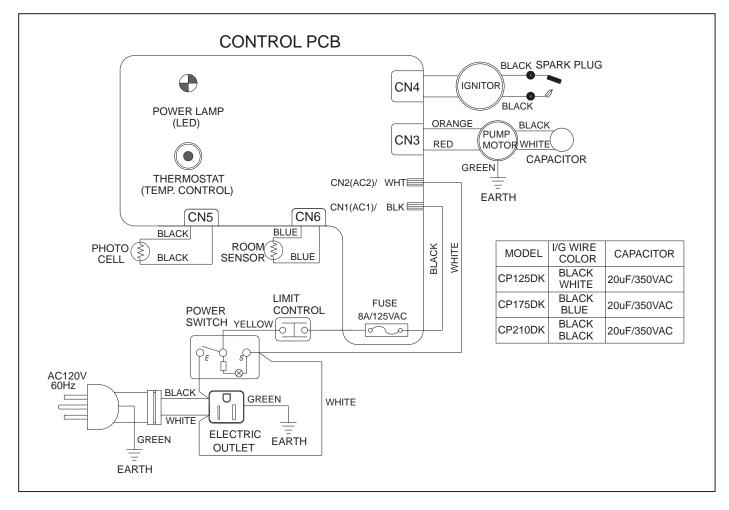


Figure 23 – Wiring Diagram Models CP125DK, CP175DK, CP210DK

Troubleshooting

Troubleshooting Chart

Symptom	Possible Cause(s)	Corrective Action
Heater ignites but MAIN PCB	1. Wrong pump pressure	1. See Pump Pressure Adjustment, page 16
assembly shuts heater off after a short period of time. (Indicator	2. Dirty Air Output, Air Intake or Lint Filter	2. See Air Output, Air Intake and Lint Filters, page 13
Lamp is flickering and room temp.	3. Dirty Fuel Filter	3. See Fuel Filter, page 16
display indicates "E1")	4. Dirt in Nozzle	4. See Nozzle, page 14
	5. Dirt Photocell Lens	5. Clean Photocell Lens, page 15
	6. Photocell Assembly not Properly Installed (not	 Make sure photocell boot is properly seated in bracket, Page 15
	seeing the flame)	7. Check electrical components. See Wiring Diagrams,
	7. Bad electrical connection between photocell and MAIN PCB Assembly	a circuit care componental core winning biagrams, page 188. Replace Photocell, page 15
	8. Defective photocell	o. Replace Photocell, page 10
Heater will not ignite but motor	1. No fuel in tank	1. Fill tank with kerosene
runs for a short period of time.	2. Wrong pump pressure	2. See Pump Pressure Adjustment, page 16
(Indicator Lamp is flickering and room temp. display indicates "E1")	 Carbon deposits on spark plug and/or improper gap 	3. See Spark Plug, page 15
	4. Dirty fuel filter	4. See Fuel Filter, page 16
	5. Dirt in Nozzle	5. See Nozzle, page 14
	6. Water in fuel tank	6. Flush fuel tank with clean kerosene, page 12
	 Bad electrical connection between igniter and MAIN PCB Assembly 	 Check electrical components. See Wiring Diagram, page 18
	8. Igniter wire is not attached to spark plug	8. Attach igniter to spark plug. See Spark Plug, page 15
Fan does not turn when heater is		1. Turn thermostat control knob to a higher setting
plugged in and power switch was	1. Thermostat setting is too low	2. Check electrical connections. See Wiring Diagram,
in the "ON" position. (Indicator	2. Bad electrical connection between motor and MAIN	page 18
Lamp is on or flickering)	PCB Assembly	
(Indicator Lamp is flickering and room temp. display indicates "E2")		1 Decembert concer Cae Wiring Diagrams
	1. Room Temp. sensor disconnected	 Reconnect sensor. See Wiring Diagrams, page 18
(Indicator Lamp is flickering and room temp. display indicates "E3")	2. Sensor Failure	2. Replace sensor. See Wiring Diagram, page 18
Heater will not turn-on (Indicator		
Lamp is off)	1. Thermostat switch failure	1. Replace MAIN PCB
	2. Temperature limit safety device is overheated	2. Turn power switch to "OFF" and allow to cool (about
		10 min.)
	3. No electrical power	3. Check to insure heater cord and extension cord are plugged in. Check power supply
	4. Blown fuse	 Replace safety fuse in PCB board. See Replacing Fuse, page 17
	 Bad electrical connection between temperature limit safety device and PCB board 	5. Check electrical connections. See Wiring Diagrams, page 18

Parts Identification

PARTS SCHEMATIC (CP045CK, CP075CK)

For Repair Parts, call 1-800-345-7200

Please provide following information: -Model number -Serial number (if any) -Part description and number as shown in parts list

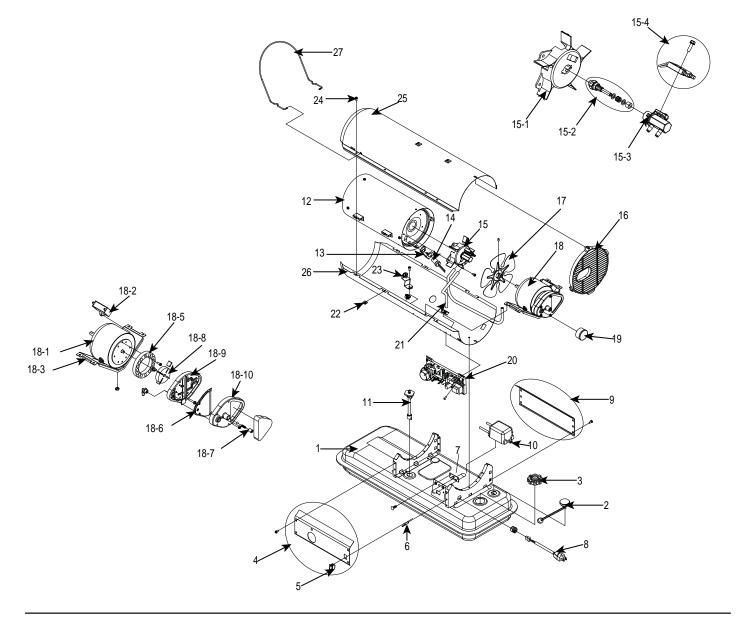


Figure 24- Repair Parts Illustration for Portable Oil-Fired Heaters Models CP045CK, CP075CK

PARTS LIST

	erence		Part Number for Model	e'
	erence nber	Description	Part Number for Model CP045CK	IS: CP075CK
1	Fuel	Tank Assembly	572701	572700
		Gauge		572454
3	Fuel	•	572908	
4		l Right Side Assembly	572920	572919
		er Switch	572906	-
6	Theri	mostat Wire		572149
7	Displ	ay P.C.B. Assembly	572162	
8	Powe	er Cord	572159	
9	Pane	l Left Side Assembly	572254	572257
10	Igniti	on Transformer	572243	
11	Fuel	Filter	572154	
12	Com	bustion Chamber	572698	572699
13	Phote	ocell Bracket	572184	572185
14	Phote	ocell Assembly	572186	
15	Burn	er Head Assembly	572901	572903
15-:	1	Burner Head	572692	
15-2	2	Nozzle Assembly	572192	572193
15-3	3	Nozzle Adaptor	572652	
15-4	4	Spark Plug Assembly	572200	
16		Guard	572265	
17	Fan A	Assembly	572232	572233
18	Moto	r and Pump Assembly	572651	
18-3	1	Motor	572694	
18-2	2	Capacitor	572650	
18-3	3	Motor Support	572695	
18-	5	Pump Body	572223	
18-0	6	Filter Kit*	572227	
18-	7	Pump Adjustment Kit***	572230	
18-8	8	Rotor Kit**	572225	
18-9	9	Pump Cover	572696	
18-2	10	Filter Cover	572229	
19	Press	sure Gauge	572231	
20	Main	P.C.B. Assembly	572653	572654
21	Air/F	uel Lines	572691	
22	Clip I	Nut (8-Pack)	572284	
23	Temp	perature Limit Assembly	572726	
24	Screv	w (12-Pack)	572282	
25	Uppe	er Shell	572697	
26	Lowe	er Shell	572693	
27	Front	t Guard	572270	
	Fuse		572447	
	Hard	ware Kit	572324	
	Pum	p/Filter Cover Screws (10-Pack	<)572283	
		Kit* - Includes Intake, Outlet,		
		r Kit** - Include Rotor, Blades,		
			Ball Spring and Adjusting Screw	1

Pump Adjustment Kit*** - Includes Ball Spring and Adjusting Screw

Parts Identification

PARTS SCHEMATIC (CP125DK & CP175DK)



Please provide following information: -Model number -Serial number (if any) -Part description and number as shown in parts list

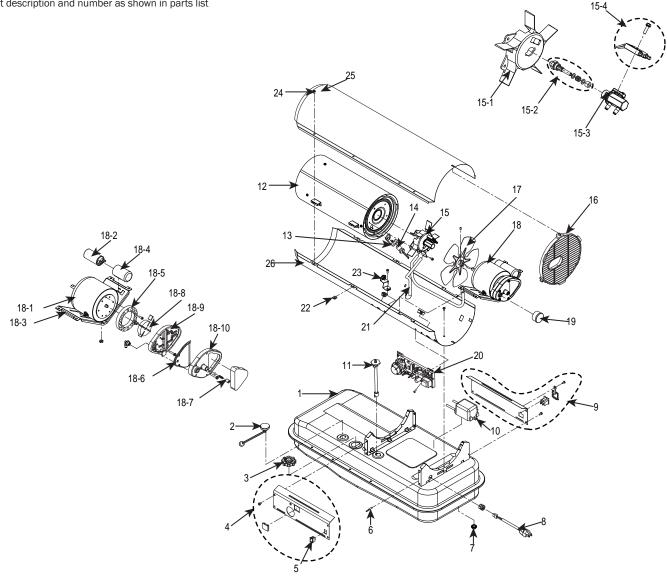


Figure 25– Repair Parts Illustration for Portable Oil-Fired Heaters Models CP125DK, CP175DK

PARTS LIST (CP125DK & CP175DK)

5-2 Nozzle Assembly 572194 572195 5-3 Nozzle Adaptor 572658		rence		art Number for I	
Fuel Gauge 572455 572456 Fuel Cap	Num	ber Description	CP125DK		CP175DK
Fuel Gauge 572455 572456 Fuel Cap —————————————————————— Panel Right Side Assembly 572925 572924 Power Switch ————————————————————————————————————	4				
Fuel Cap ————————————————————————————————————					
Panel Right Side Assembly 572925 572924 Power Switch		•	572455		572456
Power Switch ——572906— Thermostat Wire —572149— Drain Plug —572450— Power Cord —572160— Panel Left Side Assembly 572259 572262 J ignition Transformer 572244 572245 Fuel Filter —572155— 2 Combustion Chamber 572706 572713 Photocell Bracket —572185— 5 Photocell Assembly —572186— 5 Burner Head 572705 572711 52 Nozzle Adaptor —572658— 54 Spark Plug Assembly 572266 572907 572665 572709 5727660 51 Motor 572265 572716 52 Capacitor —572655— 572716 53 Motor Support —572230— 572660 51 Motor Support —572255— 572716 52 Capacitor Holder —572230— 572230— 54 Spark Plug Adjustment Kit*** —572230— 572230— <td></td> <td></td> <td></td> <td>572908</td> <td></td>				572908	
Thermostat Wire —572149 Drain Plug —572450 Power Cord —572160 Panel Left Side Assembly 572259 572262 J Ignition Transformer 572144 572242 Evel Filter —572185 — 2 Combustion Chamber 572706 572713 3 Photocell Bracket —572185 — 4 Photocell Assembly 572897 572898 5 Burner Head 572705 572711 5-2 Nozzle Assembly 572194 572195 5-3 Nozzle Adaptor —572666 572907 5 Fan Guard 572266 572907 572893 5 Fan Guard 572266 572907 572660 5.1 Motor and Pump Assembly 572266 572907 5 Fan Guard 572203 572660 572070 5 And Cord Dump Assembly 572250 572716 572716 3.2 Capacitor —572655 —572160 3.4 Capacitor —572230 —572655 3.5 Pump Body —572225 —572696 <		- ·	572925		
Drain Plug ——572450—— Power Cord ——572160—— Panel Left Side Assembly 572259 572262 Ignition Transformer 572244 572245 Fuel Filter ——572155—— 2 2 Combustion Chamber 572706 572713 3 Photocell Bracket ——572186—— 572897 572898 4 Photocell Assembly 572705 572711 5 Burner Head Assembly 572194 572195 5.1 Burner Head 572205 572711 52 Nozzle Adaptor ——572266 572907 5 Fan Guard 572266 572907 5 Fan Guard 572703 572660 3.1 Motor Support —572255 57260 3.2 Capacitor Holder —572203 572203 3.4 Capacitor Holder —572203 572204 3.572225	5				
Power Cord ——572160—— Panel Left Side Assembly 572259 572262 Ignition Transformer 572244 572245 Fuel Filter ——572155—— 572706 572713 Photocell Bracket ——572186—— 572897 572898 Photocell Assembly 572705 572711 Potocell Assembly 572194 572195 Sammer Head Assembly 572265 572711 Nozzle Adaptor ——572658—— 54 A spark Plug Assembly ——572658 572201—— Fan Guard 572266 572907 Assembly 5722659 572660 Motor and Pump Assembly 572659 572716 Capacitor Additor ——572255— 57260 Motor Support ——572253— 57260 Motor Support ——572253— 572203 A capacitor Holder ——572232— 572606 Soft Kit** ——572230—— 572203— Filter Kit* ——572230—— 572230— Soft Kit** ——572230— <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Panel Left Side Assembly 572259 572262 O Ignition Transformer 572244 572245 I Fuel Filter		_			
b Ignition Transformer 572244 572245 I Fuel Filter	-			572160	
Fuel Filter 572155 2 Combustion Chamber 572706 572713 3 Photocell Bracket 572186 4 Photocell Assembly 572897 572898 5 Burner Head Assembly 572705 572711 5 Burner Head Assembly 572194 572195 5-1 Burner Head 572705 572711 5-2 Nozzle Assembly 572194 572205 5-3 Nozzle Adaptor					572262
2 Combustion Chamber 572706 572713 3 Photocell Bracket		-	572244		572245
3 Photocell Bracket	11	Fuel Filter		572155	
Photocell Assembly 572186 5 Burner Head Assembly 572897 572898 5-1 Burner Head 572705 572711 5-2 Nozzle Assembly 572194 572195 5-3 Nozzle Adaptor 572658	12	Combustion Chamber	572706		572713
Burner Head Assembly 572897 572898 5-1 Burner Head 572705 572711 5-2 Nozzle Assembly 572194 572195 5-3 Nozzle Adaptor ——572658 — 5-4 Spark Plug Assembly ——572201 — 5 Fan Guard 572266 572907 7 Fan Assembly 572234 572235 3 Motor and Pump Assembly 572659 572660 3-1 Motor 572709 572716 3-2 Capacitor ——572655 — 3-3 Motor Support ——572203 — 3-4 Capacitor Holder ——572230 — 3-5 Pump Body ——572230 — 3-6 Filter Kit* ——57229 — 3-7 Pump Adjustment Kit*** ——57229 — 3-7 Pump Adjustment Kit*** ——57229 — 3-9 Pump Cover ——572657 — 3-10 Filter Cover	13	Photocell Bracket		572185	
5-1 Burner Head 572705 572711 5-2 Nozzle Assembly 572194 572195 5-3 Nozzle Adaptor 572658 572201 5-4 Spark Plug Assembly 572266 572907 7 Fan Guard 572266 572907 7 Fan Assembly 572234 572235 8 Motor and Pump Assembly 572659 572660 3-1 Motor 572709 572716 3-2 Capacitor	14	Photocell Assembly		572186	
5-2 Nozzle Assembly 572194 572195 5-3 Nozzle Adaptor ——572658— 5-4 Spark Plug Assembly ——572201—— 5-4 Spark Plug Assembly 572234 572235 5 Fan Guard 572266 572907 7 Fan Assembly 572234 572235 3 Motor and Pump Assembly 572659 572660 3-1 Motor 572709 572716 3-2 Capacitor ——572655—	15	Burner Head Assembly	572897		572898
5-3 Nozzle Adaptor ——572658 54 Spark Plug Assembly ——572201 5 Fan Guard 572266 572907 7 Fan Assembly 572234 572235 3 Motor and Pump Assembly 572659 572660 3.1 Motor 572709 572716 3.2 Capacitor ——572655 — 3.3 Motor Support —572703 — 3.4 Capacitor Holder —572230 — 3.4 Capacitor Holder —572230 — 3.4 Capacitor Kit** —572230 — 3.6 Filter Kit* —572230 — 3.6 Filter Kit* —572230 — 3.8 Rotor Kit** —572230 — 3.9 Pump Cover —572230 — 3.10 Filter Cover —572231 — 3.10 Filter Sites 572704 572712 3.10 Funperature Limit Assembly —572284 — 3.10 Fulper Shell 572710 572712	15-2	1 Burner Head	572705		572711
5-4 Spark Plug Assembly 572201 5 Fan Guard 572266 572907 7 Fan Assembly 572234 572235 3 Motor and Pump Assembly 572659 572660 3.1 Motor 572709 572716 3.2 Capacitor 572655 3.3 Motor Support	15-2	2 Nozzle Assembly	572194		572195
5 Fan Guard 572266 572907 7 Fan Assembly 572234 572235 3 Motor and Pump Assembly 572659 572660 3-1 Motor 572709 572716 3-2 Capacitor ——572655— - 3-3 Motor Support ——572703— - 3-4 Capacitor Holder ——57202— - 3-5 Pump Body ——57223— - 3-6 Filter Kit* ——57223— - 3-7 Pump Adjustment Kit*** ——57223— - 3-7 Pump Adjustment Kit*** ——57223— - 3-7 Pump Adjustment Kit*** ——57223— - 3-8 Rotor Kit** ——57229— - 3-9 Pump Cover ——572696— - 3-10 Filter Cover ——572231— - 3-9 Pump Cover ——572231— - 3-10 Filter Kit* ——57224 572712 2 Clip Nut (8-Pack) ——572284— - 3 Temperature Limit Assembly </td <td>15-3</td> <td>3 Nozzle Adaptor</td> <td></td> <td>572658</td> <td></td>	15-3	3 Nozzle Adaptor		572658	
7 Fan Assembly 572234 572235 3 Motor and Pump Assembly 572659 572660 3-1 Motor 572709 572716 3-2 Capacitor	15-4	4 Spark Plug Assembly		572201	
3 Motor and Pump Assembly 572659 572660 3-1 Motor 572709 572716 3-2 Capacitor	16	Fan Guard	572266		572907
3 Motor and Pump Assembly 572659 572660 3-1 Motor 572709 572716 3-2 Capacitor	17	Fan Assembly	572234		572235
3-1 Motor 572709 572716 3-2 Capacitor					
3-2 Capacitor —572655— 3-3 Motor Support —572703— 3-4 Capacitor Holder —572702— 3-5 Pump Body —572223— 3-6 Filter Kit* —572230— 3-7 Pump Adjustment Kit*** —572230— 3-8 Rotor Kit** —57229— 3-9 Pump Cover —572696— 3-10 Filter Cover —572231— 3-9 Pressure Gauge —572231— 3-10 Filter Sover —572257— 3-10 Filter Cover —572231— 3-10 Filter Assembly —572657— 3-10 Filter Sover —572231— 3-10 Main P.C.B. Assembly —572231— 3-10 Main P.C.B. Assembly —572284— 3-11 Eneperature Limit Assembly 572717 3-12 Clip Nut (8-Pack) —572284— 3-13 Screw (12-Pack) —572282— 3-14 Screw (12-Pack) —572447 3-15 Fuse —572447— 4-16 Stropsea —572283— <t< td=""><td>18-2</td><td></td><td></td><td></td><td></td></t<>	18-2				
3-3 Motor Support —572703— 3-4 Capacitor Holder —572702— 3-5 Pump Body —572223— 3-6 Filter Kit* —572230— 3-7 Pump Adjustment Kit*** —572230— 3-8 Rotor Kit** —57229— 3-9 Pump Cover —57229— 3-9 Pump Cover —57229— 3-10 Filter Cover —572231— 3-9 Pressure Gauge —572231— 3-10 Filter Cover —572231— 3-10 Filter Cover —572231— 3-10 Main P.C.B. Assembly —572284— 3 Temperature Limit Assembly 572712 2 Clip Nut (8-Pack) —572284— 3 Temperature Limit Assembly 572717 4 Screw (12-Pack) —572282— 5 Upper Shell 572708 572715 5 Lower Shell 572708 572928— 4 Hardware Kit —572283— — 4 Hardware Kit —572283— Fulse —572928—	18-2			572655	
3-4 Capacitor Holder —572702— 3-5 Pump Body —572223— 3-6 Filter Kit* —572230— 3-7 Pump Adjustment Kit*** —572230— 3-8 Rotor Kit** —57229— 3-9 Pump Cover —57229— 3-9 Pump Cover —572231— 3-10 Filter Kit* —572231— 3-10 Main P.C.B. Assembly —572231— 3-10 Main P.C.B. Assembly —572284— 3 Temperature Limit Assembly 572710 572717 3 Temperature Limit Assembly 572710 572717 5 Lower Shell 572708 572715 Fuse —572928— — Pump/Filter Cover Screws (18-3	•			
3-5 Pump Body 572223 3-6 Filter Kit* 572227 3-7 Pump Adjustment Kit***	18-4				
3-6 Filter Kit* 572227 3-7 Pump Adjustment Kit*** 572230 3-8 Rotor Kit**	18-	•			
3-7 Pump Adjustment Kit*** 572230 3-8 Rotor Kit** 572225 3-9 Pump Cover 572696 3-10 Filter Cover 3-10 Filter Cover					
3-8 Rotor Kit** 572225 3-9 Pump Cover 57229 3-10 Filter Cover	18-				
3-9 Pump Cover ——572696— 3-10 Filter Cover ——572229— 9 Pressure Gauge ——572231— 0 Main P.C.B. Assembly ——572657— 1 Air/Fuel Lines 572704 572712 2 Clip Nut (8-Pack) ——572284— 372933 3 Temperature Limit Assembly 572717 572933 4 Screw (12-Pack) ——572447 572717 5 Upper Shell 572708 572715 Fuse ——572447— Hardware Kit ——572928— Pump/Filter Cover Screws (10-Pack) ——572283— Filter Kit* - Includes Intake, Outlet, and Lint Filter Futre Kit* - Include Rotor, Blades, and Insert Filter Kit** - Include Rotor, Blades, and Insert ——572283		1 3			
3-10 Filter Cover					
Pressure Gauge 572231 Main P.C.B. Assembly 572657 Air/Fuel Lines 572704 572712 2 Clip Nut (8-Pack) 572284 572933 3 Temperature Limit Assembly 572727 572933 4 Screw (12-Pack) 572282 5 5 Upper Shell 572710 572717 6 Lower Shell 572708 572715 Fuse 572283		•			
Main P.C.B. Assembly —————————————————————————————————— Air/Fuel Lines 572704 572712 Clip Nut (8-Pack) ————————————————————————————————————					
L Air/Fuel Lines 572704 572712 2 Clip Nut (8-Pack) 572284 572933 3 Temperature Limit Assembly 572727 572933 4 Screw (12-Pack) 572282 5 Upper Shell 572710 572717 5 Lower Shell 572708 572715 Fuse 572447 Hardware Kit 572928 Pump/Filter Cover Screws (10-Pack) 572283 Filter Kit* - Includes Intake, Outlet, and Lint Filter Rotor Kit** - Include Rotor, Blades, and Insert		0			
2 Clip Nut (8-Pack) 572284 3 Temperature Limit Assembly 572727 572933 4 Screw (12-Pack) 572282 5 Upper Shell 572710 572717 6 Lower Shell 572708 572715 7 Fuse 572447 Hardware Kit 572928 9 Pump/Filter Cover Screws (10-Pack) 572283 Filter Kit* - Includes Intake, Outlet, and Lint Filter 8 Rotor Kit** - Include Rotor, Blades, and Insert		-		5/265/	
3 Temperature Limit Assembly 572727 572933 4 Screw (12-Pack) 572282 5 Upper Shell 572710 572717 6 Lower Shell 572708 572715 Fuse 572447 572928 Hardware Kit 572928 572928 Pump/Filter Cover Screws (10-Pack) Filter Kit* - Includes Intake, Outlet, and Lint Filter Rotor Kit** - Include Rotor, Blades, and Insert		,	572704		572712
4 Screw (12-Pack) 572282 5 Upper Shell 572710 572717 5 Lower Shell 572708 572715 5 Fuse 572447 572928 Hardware Kit 572928 Pump/Filter Cover Screws (10-Pack)				572284	
5 Upper Shell 572710 572717 6 Lower Shell 572708 572715 Fuse 572447 Hardware Kit 572928 Hardware Kit 572928 Filter Kit* - Includes Intake, Outlet, and Lint Filter Fotor Kit** - Include Rotor, Blades, and Insert			572727		572933
5 Lower Shell 572708 572715 Fuse 572447 Hardware Kit 572928 Pump/Filter Cover Screws (10-Pack) 572283 Filter Kit* - Includes Intake, Outlet, and Lint Filter 572283 Rotor Kit** - Include Rotor, Blades, and Insert		, ,		572282	
Fuse572447Hardware Kit572928Pump/Filter Cover Screws (10-Pack)572283Filter Kit* - Includes Intake, Outlet, and Lint FilterFilter Kit* - Include Rotor, Blades, and Insert					
Hardware Kit572928Pump/Filter Cover Screws (10-Pack)572283Filter Kit* - Includes Intake, Outlet, and Lint Filter572283Rotor Kit** - Include Rotor, Blades, and Insert	26	Lower Shell	572708		572715
Pump/Filter Cover Screws (10-Pack)572283Filter Kit* - Includes Intake, Outlet, and Lint FilterRotor Kit** - Include Rotor, Blades, and Insert		Fuse		572447	
Filter Kit* - Includes Intake, Outlet, and Lint Filter Rotor Kit** - Include Rotor, Blades, and Insert		Hardware Kit		572928	
Rotor Kit** - Include Rotor, Blades, and Insert		Pump/Filter Cover Screws (10-Pack	.)	572283	
		Filter Kit* - Includes Intake, Outlet,	and Lint Filter		
		Rotor Kit** - Include Rotor, Blades,	and Insert		
Fullip Aujustitietit Nit - Includes Dali Spillig and Aulustitig Sciew				usting Screv	V

Parts Identification

PARTS SCHEMATIC (CP210DK)

For Repair Parts, call 1-800-345-7200

Please provide following information: -Model number -Serial number (if any) -Part description and number as shown in parts list

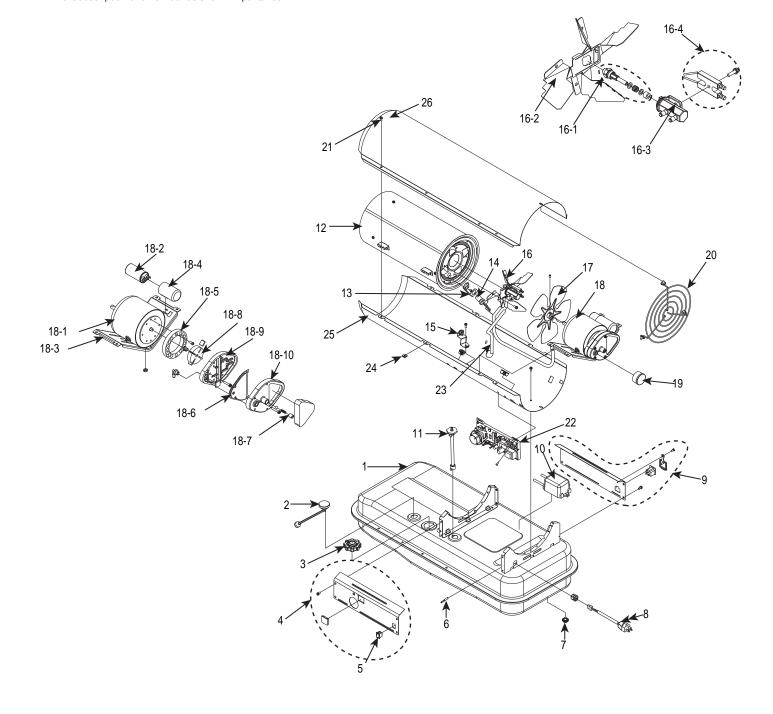


Figure 26 - Repair Parts Illustration for Portable Oil-Fired Heater (Model CP210DK)

PARTS LIST (CP210DK)

Reference Number	Part N Description	lumber for Models: CP210DK	
1	Fuel Tank Assembly	572721	
2	Fuel Gauge	572457	
3	Fuel Cap	572908	
4	Panel Right Side Assembly	572923	
5	Power Switch	572906	
6	Thermostat Wire	572149	
7	Drain Plug	572450	
8	Power Cord	572160	
9	Panel Left Side Assembly	572262	
10	Ignition Transformer	572246	
11	Fuel Filter Assembly	572155	
	•		
12	Combustion Chamber Photocell Bracket	572720	
13		572185	
14	Photocell Assembly	572186	
15	Temperature Limit Assembly	572725	
16	Burner Assembly	572899	
16-1	Nozzle Assembly	572196	
16-2	Bracket Burner	572719	
16-3	Nozzle Adapter	572662	
16-4	Spark Plug Assembly	572202	
17	Fan Assembly	572235	
18	Motor and Pump Assembly	572661	
18-1	Motor	572723	
18-2	Motor Support	572703	
18-3	Capacitor Holder	572702	
18-4	Capacitor	572655	
18-5	Pump Body	572224	
18-6	Rotor Kit**	572226	
18-7	Pump Cover	572696	
18-8	Filter Kit*	572227	
18-9	Filter Cover	572229	
18-10	Pump Adjustment Kit***	572230	
19	Pressure Gauge	572231	
20	Fan Guard	572267	
21	Screw (12-Pack)	572282	
22	Main P.C.B. Assembly	572657	
23	Air/Fuel Lines	572718	
24	Clip Nut (8-Pack)	572284	
25	Lower Shell	572722	
26	Upper Shell	572724	
	Hardware Kit	572928	
	Fuse	572447	
	Pump/Filter Cover Screws (10-Pack)	572283	
		012200	
	Filter Kit* - Includes Intake, Outlet, a	nd Lint Filter	
	Rotor Kit** - Include Rotor, Blades, a	nd Insert	
	Pump Adjustment Kit*** - Includes E	Ball Spring and Adjusting Scre	ЭW
		_	

Parts Identification

PARTS SCHEMATIC HANDLES & WHEELS

For Repair Parts, call 1-800-345-7200

Please provide following information: -Model number -Serial number (if any) -Part description and number as shown in parts list

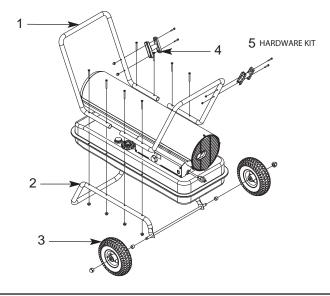


Figure 27- Repair Parts Illustration for Models CP125DK, CP175DK, CP210DK

Replacement Parts List for Models CP125DK, CP175DK, CP210DK

Ref. No.	Description	Part No. for Models: CP125DK	CP175DK & CP210DK
1	Upper Handle Kit	572927	572926
2	Wheel Support/Axle Kit	572273	572277
3	Wheels Kit	572274	
4	Cordwarp Kit	572275	
5	Hardware Kit	572928	

Warranty Policy

L.B. White Co., Inc. warrants that the component parts of its heater are free from defects in material and workmanship, when properly installed, operated, and maintained in accordance with the Owner's Manual safety guides and labels contained with each unit. If, within 12 months from the date of purchase by the end user, any component is found to be defective, L.B. White Co., Inc. will at its option, repair or replace the defective part or heater, with a new part or heater, F.O.B., Onalaska, Wisconsin.

A warranty card on file at L.B. White will automatically qualify the heater and its component parts for warranty consideration. If a warranty card is not on file, a copy of the bill of sale will be required to establish warranty qualification. If neither is available, the warranty period will be 12 months from date of shipment from L B. White.



L.B. White Co., Inc. warrants that replacement parts purchased from the company and used on the appropriate L. B. White heater are free from defects both in material and workmanship for **12 months from the date of purchase by the end user**. Warranty is automatic if a component is found defective within 12 months of the date code marked on the part. If the defect occurs more than 12 months later than the date code but within 12 months from the date of purchase by the end user, a copy of a bill of sale will be required to establish warranty qualification.

The warranty set forth above is the exclusive warranty provided by L.B. White, and all other warranties, including any implied warranties or merchantability or fitness for a particular purpose, are expressly disclaimed. In the event any implied warranty is not hereby effectively disclaimed due to operation of law, such implied warranty is limited in duration to the duration of the applicable warranty stated above. The remedies set forth above are the sole and exclusive remedies available hereunder. L.B. White will not be liable for any incidental or consequential damages directly or indirectly related to the sale, handling or use of the heater, and in any event L.B. White's liability in connection with the heater, including for claims based on negligence or strict liability, is limited to the purchase price.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Replacement Parts and Service

Contact your local L.B. White dealer for replacement parts and service or call the L.B. White Co., Inc. at (800) 345-7200 for assistance. Be sure that you have your heater model number and configuration number when calling.