



SILENT DRIVE

KEROSENE / DIESEL HEATER

USER'S MANUAL & OPERATING INSTRUCTIONS

RPK75R



DANGER

READ AND UNDERSTAND ALL OF THE INSTRUCTIONS IN THIS MANUAL BEFORE ASSEMBLING, STARTING, OR SERVICING THE HEATER. Be sure to comply with the instructions and warnings provided with this heater. Failure to comply can result in fire or explosion that can cause property loss, bodily injury, or loss of life. Only persons who can follow and understand these instructions should operate or service this heater. If you need heater info; such as an operating manual, labels, etc. Please visit our website www.remingtonpower.co.nz

NOT FOR USE IN RESIDENTIAL LIVING AREAS OR IN ENCLOSED SPACES WITHOUT ADEQUATE VENTILATION. FOR OUTDOOR USE. INDOOR USE PERMITTED ONLY FOR: The temporary heating of adequately ventilated buildings or structures under construction, alteration or repair. This is an unvented portable heater that uses air (Oxygen) from within the area in which it is used. Failure to provide adequate combustion and ventilation air will result in asphyxiation, carbon monoxide poisoning, bodily injury or death. Refer to "Ventilation" on Page 7.


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CONTENTS

Introduction.....	3
Environmental Protection.....	3
Safety Information.....	3
Specifications.....	5
Equipment Identification.....	5
Assembly Instructions.....	6
Clearance Requirements.....	6
Operating Principle.....	7
Operation.....	7
Working Environment.....	8
Operating Instructions.....	9
Storage.....	10
Maintenance.....	11
Troubleshooting.....	11
Circuit Wiring Diagram.....	12
Parts Diagram.....	13
Parts List.....	14
Warranty.....	15

INTRODUCTION

Your new Remington Heater will more than satisfy your expectations. It has been manufactured under stringent quality standards to meet superior performance criteria. You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.


 **CAUTION:** Carefully read through this entire Instruction Manual before operating your new Remington Heater. Take special care to heed the Cautions and Warnings.

ENVIRONMENTAL PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.




SAFETY INFORMATION


 **WARNING:** Fire, burn, inhalation and explosion hazard.


Keep combustibles such as building materials, paper or cardboard a safe distance away from the heater as recommended by these instructions. Never use the heater in spaces which contain products such as; gasoline, solvents, paint thinners, dust particles, volatile or airborne combustibles or any unknown chemicals. This is an unvented portable heater. It uses air (Oxygen) from the area in which it is used. Adequate combustion and ventilation

air must be provided. Refer to "Ventilation" on page 7. Bulk fuel storage should be a minimum of 8 metres from heater.

 **WARNING:** Do not operate this heater until you have read and thoroughly understand these safety and operating instructions.

Failure to comply with the precautions and instructions provided with this heater can result in death, serious bodily injury, property loss or damage from the hazards of fire, soot production, explosions, burns, asphyxiation or carbon monoxide poisoning. Only persons who can read and understand these instructions should use or service this heater.

 **WARNING:** Do not start the heater when excess oil has accumulated.

 **WARNING:** Do not start the heater when the chamber is hot.



Look for this icon throughout the manual for helpful tips on how to assemble, use and clean your Silent Drive Heater.

 **WARNING:** Risk of indoor air pollution!

The products described in this manual are Kerosene/Diesel direct-fired, forced air heaters. Kerosene/Diesel forced air heaters are primarily intended for use for temporary heating of buildings under construction, alteration or repair. Direct-fired means that all of the combustion products of the heater enter the heated space. This appliance is rated at 98% combustion efficiency, but does produce small amounts of carbon monoxide.



WARNING: *Carbon monoxide poisoning may lead to death!*

Carbon monoxide is toxic. Humans can tolerate only small amounts of carbon monoxide and so precautions should be taken to provide proper ventilation. Failure to provide proper ventilation in accordance with the instructions in this manual can result in death. People with breathing problems should consult a physician before using this heater.

Early signs of carbon monoxide poisoning resemble the flu. Symptoms of improper ventilation / carbon monoxide poisoning are: Headache • Dizziness • Nausea • Dry Mouth Sore Throat • Burning of Nose and Eyes

If you experience any of these symptoms: **GET FRESH AIR AT ONCE!** Have your heater serviced and check for proper ventilation. Some people are more affected by carbon monoxide than others. These include: pregnant women, those with heart or lung problems, anemia or those under the influence of alcohol or at high altitudes.

FOR OUTDOOR USE. INDOOR USE PERMITTED ONLY FOR: The temporary heating of adequately ventilated buildings or structures under construction, alteration or repair! Provide at least a three square foot (2,800 sq cm) opening of outside air for every 100,000 Btu / Hr heater rating. Refer to "Ventilation" on page 7 for further instructions.



WARNING: *Risk of electric shock!*

ALWAYS use only the electrical power (voltage and frequency) specified on the model plate of the heater.

ALWAYS use only three-prong, grounded outlet and extension cord.

ALWAYS unplug the heater when not in use.

ALWAYS install the heater so that it is not directly exposed to water spray, rain, dripping water, or wind.



WARNING: *Risk of burns, fire and explosion!*

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

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

NEVER block air outlet (front).

NEVER use duct work in front of heater.

NEVER move or handle heater while still hot.

NEVER transport heater with fuel in tank.

NEVER use with an external fuel tank.



CAUTION: *Hot while in operation. Do not touch. Keep children, animals, clothing and combustibles away from heater.*

Minimum Clearance From Combustibles

4m from the top, 4m from the sides and 8m from the front.

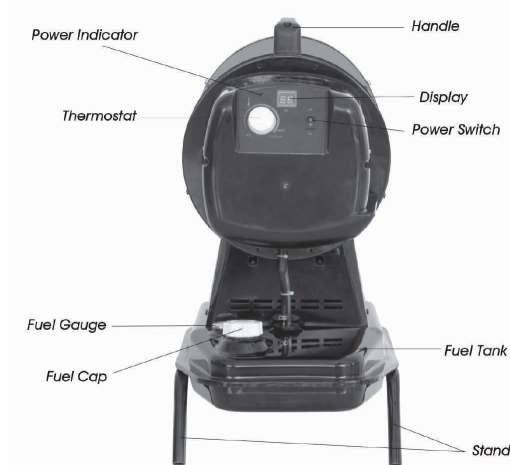
ALWAYS locate heater on a stable and level surface.

If your heater is equipped with a thermostat, once it is plugged in, it can start at anytime in accordance with the thermostat setting.

SPECIFICATIONS

Voltage ~ Frequency:	230V ~ 50Hz
Input Power:	105W
Power Cable / Plug:	10A SAA Plug
Heat Output:	75,000 BTU/Hr (22kW)
Average Heating Area:	200m ² /h
Fuel Consumption:	2.0L/Hr
Fuel Type:	Diesel / Kerosene
Fuel Tank Capacity:	13L
Maximum Run Time:	6.5Hrs
Automatic Shut-Off:	Yes
Digital Display:	Yes
Assembled Dimensions (LXWXH):	576 x 330 x 575mm
Weight:	16.5kg

EQUIPMENT IDENTIFICATION



INTRODUCTION

- The Remington RPK75R Radiant Diesel Heater produces 75,000 BTU (22kW) of infrared heat, making it ideal for heating large, well-ventilated spaces such as garages and warehouses.
- It is suitable for use with diesel, kerosene, or paraffin fuel.
- Equipped with a durable 13L steel fuel tank, it offers an economical average fuel consumption of 2.0 liters per hour.
- Features an LED thermostatic control with automatic cut-off, ensuring cost savings through reduced energy and fuel consumption.
- Includes a timed ventilation system to cool the combustion chamber efficiently.
- Designed with tough, powder-coated housing for enhanced protection from the elements and demanding work environments.
- Includes a strong carry handle on top of the heater, a safety grill, a simple on/off switch and an ignition button.

ASSEMBLY INSTRUCTIONS

FITTING THE HANDLE

1. Attach the handle by lining up the holes in the handle with the holes on the upper shell / housing of heater (**see Fig.1**).
2. Insert the screws and tighten until secure

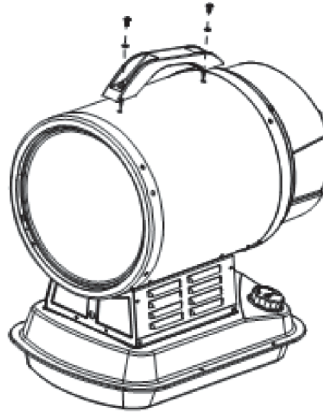


Fig. 1

FITTING THE STAND

1. Line up the holes on the stand with the holes on the fuel tank of the heater as shown in (**see Fig.2**).
2. Fit screws through the holes and secure in place by fitting and tightening the nuts.

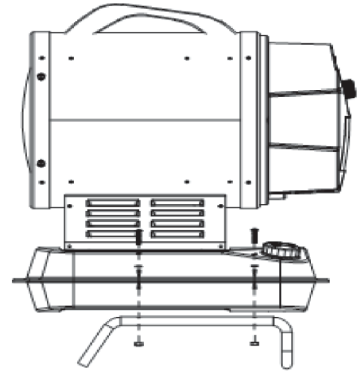


Fig. 2

PLEASE NOTE: When using the heater for the first time, you may notice a slight emission of smoke, or a slight burning smell. This is normal and will stop after a short time. Parts of the heater were coated with protection oil during production. The smoke / smell is caused by any small residue of this oil.

CLEARANCE REQUIREMENTS

Always provide adequate space around the heater as shown in the diagram and table in (Fig.3) below:

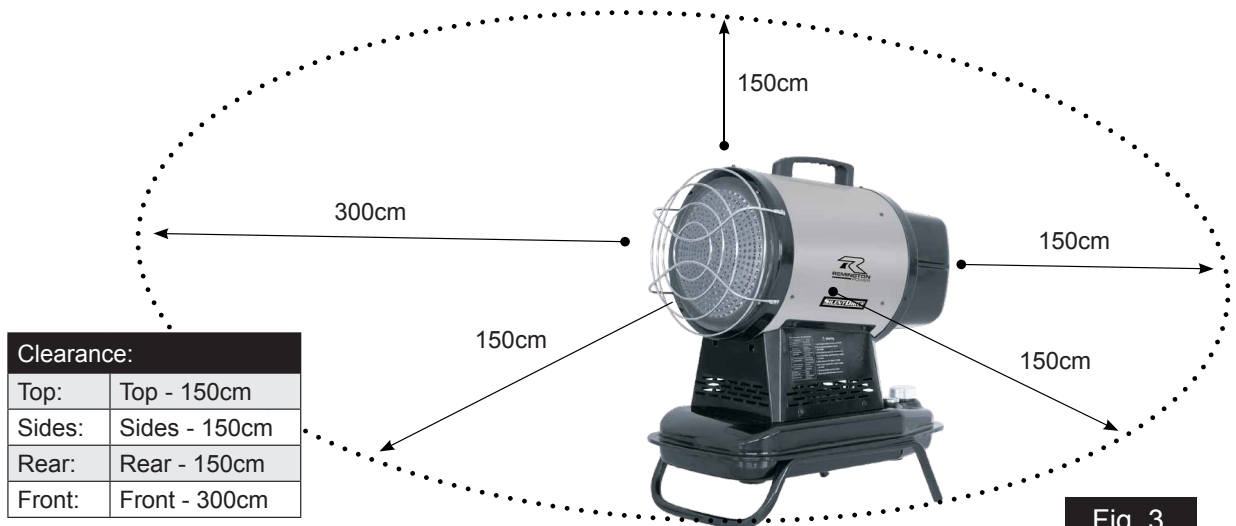


Fig. 3

OPERATING PRINCIPLE

The RPK75R Radiant Diesel Heater produces up to 75,000 BTU (22kW) of infrared heat, which warms objects rather than the air.

Infrared is the same heat we feel from an environment warmed by the sun and makes this heater an ideal solution for heating large well-ventilated spaces like garages and warehouses.

Airflow is necessary to ensure proper combustion; It is supplied by the internal burner fan. The air enters the burner funnel and gets mixed with a high-pressure fuel jet.

The fuel flow is supplied by an electrical pump, which sucks the fuel from the tank and moves it to the nozzle under high pressure.

The RPK75R heater is fitted with safety cut-outs to protect against overheating and to protect the heater should it tip over.

The heater is also equipped with a clean and efficient burning unit which operates on diesel, kerosene or paraffin.

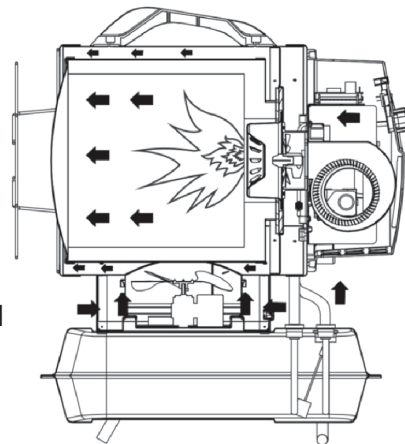



Fig. 4


WARNING: Do Not Use Petrol or Gasoline Fuel With This Heater!


OPERATION

Fuel Set - Fuel Conditioner

For optimal performance, it is strongly suggested that Fuel Set fuel conditioner be used in addition to fuel. Diesel contaminants such as diesel bug and water in the fuel may make the heater perform poorly. Add the recommended dose of Fuel Set to every tank of fuel when filling to ensure the RPK75R performs at it's peak.

 **DANGER:** *Never refuel this heater while it is hot or operating. Fire or explosion could result.*

 **CAUTION:** *Never fill the fuel tank indoors. Always fill the tank outdoors. Be sure that the heater is on level ground when fueling, and never overfill the tank.*

 **WARNING:** *Do not use gasoline or crankcase drainings.*

NEVER use fuel such as, benzene, alcohol, white glass, 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 the living space. Kerosene should be stored in a well ventilated area outside the living area.

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.

i *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.*

Ventilation

There is a risk of indoor air pollution and Carbon monoxide poisoning. Use heater only in well ventilated areas.

Refer to Safety Information on pages 3 - 4 for information about Carbon Monoxide Poisoning.

Always provide a fresh air opening in the heated space of at least 2.8m² (3 sq. ft) for each 100,00 Btu / Hr. of heater output. Provide a larger opening if more heaters are being used.



DANGER: *Carbon monoxide poisoning may lead to death!!*

Minimum ventilation opening required:
1951cm² - 2.1ft²

WORKING ENVIRONMENT

VENTILATION



WARNING! Only operate and refuel/fuel the heater in well ventilated areas. Careful consideration must be given to the placement of the heater to provide safe and comfortable heating. Ensure continuous ventilation is provided to the heater operating area. A ventilation opening must run to the outside of the premises in which the heater is to be operated.

WARNING: Air contaminants taken into the heater may affect the heat output, damage the heater and may cause health problems.

Example: Body-shop filler dust/paint overspray will damage the motor bearing, clog the filter and compressor and contaminate the combustion chamber causing flame flutter and health hazards.

Please note that any parts damaged by filler dust/paint overspray or similar will not be covered by warranty

OPERATING INSTRUCTIONS

STARTING THE HEATER

1. Fill the fuel tank until the fuel gauge points to “F”.
2. Ensure the fuel cap is securely tightened.
3. Plug the mains lead into a suitable power socket and turn the mains switch on.
4. Push the Power switch on the control panel to the “ON” (I) position.

Note: *The temperature that the thermostat is set to will be shown on the display: If the set temperature is lower than the ambient temperature, the heater will not run and after a few seconds the ambient temperature will show on the display.*

5. To start the heater, turn the thermostat control clockwise to raise the set temperature (as shown on the display) above the ambient temperature and the heater will run. If the set temperature is higher than the ambient temperature the heater will start to run.
6. Once running the ambient temperature will show on the display.

The set temperature can be adjusted at anytime during operation; Turn the thermostat control left to lower the temperature and clockwise to raise the temperature, at this time the temperature on the display indicates the set temperature and after a few seconds it will change to the ambient temperature.

The heater will run until the ambient temperature goes above the set temperature, at which point the heater will automatically stop running until the ambient temperature drops below the set temperature, or the thermostat is turned up.

STOPPING THE HEATER

1. Turn the power switch to the “OFF” (0) position.
2. Combustion will stop and the cooling cycle will begin.
3. When cooling cycle has been completed and the fan stops running (approximately 3 minutes), it is safe to turn off and unplug the heater at the mains supply.



WARNING! Do not turn the mains switch off or disconnect the heater from the mains supply to stop the heater or until the cooling cycle is complete. Turning the mains switch off, or removing the plug from the mains supply to stop the heater or before the cooling cycle is complete may cause overheating, possible damage to the heater and will void the warranty.

STORAGE

Long Term Storage

1. Unscrew the fuel cap.
2. Using an approved siphon, remove the kerosene or diesel.
3. Using a small amount of kerosene or diesel, rinse and swirl the fuel inside the fuel tank



NOTE: *Never mix water with fuel. It will cause rust inside the tank.*

4. Empty the tank completely.



IMPORTANT: *Never store leftover kerosene between seasons, using old fuel can damage heater.*

4. Store heater in a dry, well ventilated area.
5. Be sure that the storage area is free of dust and corrosive vapors. Repack the heater in the original packaging and keep User's Manual in an easily accessible place.

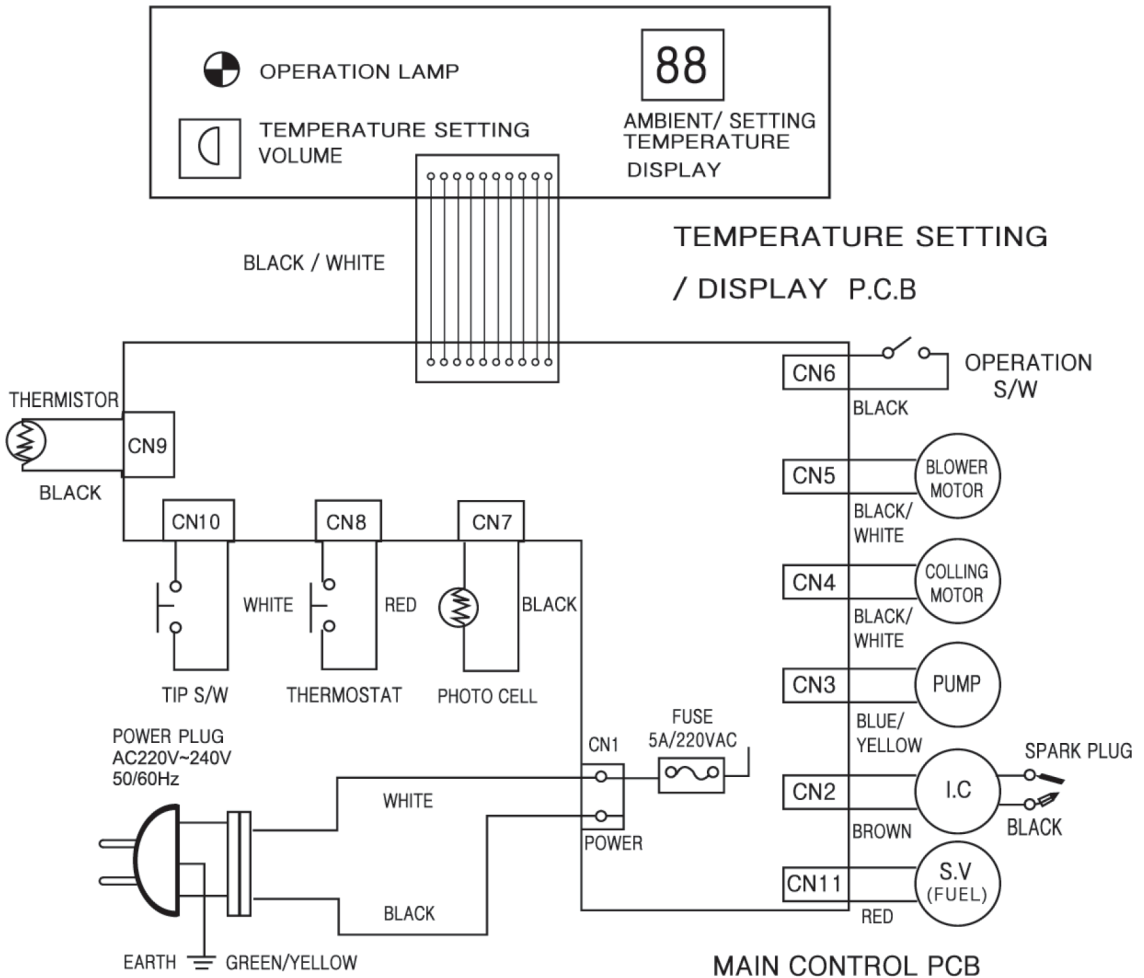
MAINTENANCE

Component:	Frequency:	Procedure:
Fuel Tank	Clean every 150-200 hours of operation or when necessary	Empty and rinse with fresh fuel.
Nozzle	Clean or replace once per season or when necessary	Contact service agent
Photocell	Clean once per season or when necessary	Contact service agent
Fuel Filter	Clean or replace twice per season or when necessary	Clean the fuel filter with clean fuel.
Ignition Device	Clean or replace every 1000 hours of operation, or when necessary	Contact service agent
Fan Blades	Clean when necessary	Contact service agent

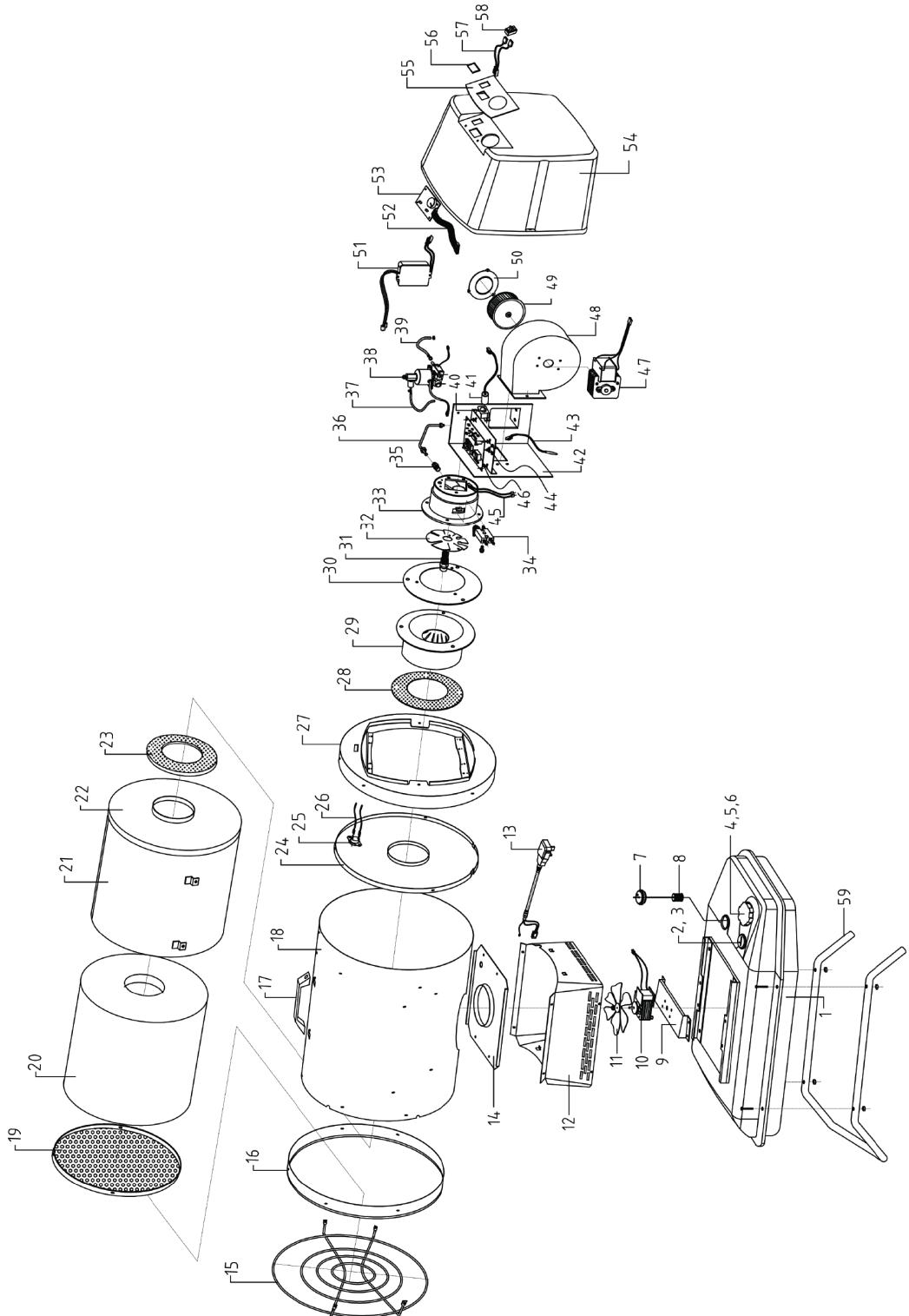
TROUBLESHOOTING / ERROR CODES

ERROR CODE	CAUSE	SOLUTION
E0	Operator Error:	
	1. The power switch is in the "ON" (I) position when the heater is connected to the mains supply.	1. Disconnect the heater from the mains supply, turn the power switch to the OFF position and reconnect to the mains supply.
E1	Photocell Error:	
	1. No fuel in tank. 2. Fuel is contaminated / dirty. 3. Fuel filter is dirty / blocked. 4. Photocell is dirty or faulty. 5. Ignition error.	1. Turn the power switch "OFF" and refuel the heater. 2. Turn the power switch "OFF" and drain the fuel tank; Clean or replace the fuel filter and refill the tank with clean fuel. 3. Clean or replace the fuel filter 4. Contact service centre
E2	Temperature Control Sensor Error:	
	1. Cable fallen off or damaged. 2. Sensor faulty / damaged. 3. Ambient temperature above 60°C	1. Contact service centre. 2. Contact service centre. 3. Normal (see page 9 "Starting the Heater).
E3	Thermostat Error:	
	1. Heaters internal temperature is too high 2. Anti-tilt sensor activated	1. Turn the heater off and allow it to cool, then restart. 2. Set the heater on a firm surface, and restart
E4	Blower Motor Error:	
	1. Power cable not connected properly or damaged	2. Contact service centre
E5	Cooling Motor Error:	
	1. Power cable not connected properly or damaged	2. Contact service centre
Hi	1. Ambient temperature below 59°C	1 Normal (see page 9 "Starting the Heater).
LO	1. Ambient temperature below - 9°C	1 Normal (see page 9 "Starting the Heater).
CH	1. Continuous operation 55°C	1. Normal

CIRCUIT WIRING DIAGRAM



PARTS DIAGRAM



PARTS LIST

#	SKU	DESCRIPTION	#	SKU	DESCRIPTION
1.		Fuel Tank	30.		Insulator Plate
2.		Fuel Gauge	31.		Nozzle
3.		Fuel Gauge Seal	32.		Burner Head Blade
4.		Fuel Cap	33.		Burner Head
5.		Fuel Cap Seal (outer)	34.		Electrode
5-1.		Fuel Cap Seal (inner)	35.		Nipple
6.		Fuel Filter	36.		Electronic Pump Pipe
7.		Pumping Filter Seal	37.		PVC Return Hose
8.		Pumping Filter	38.		Electric Pump
9.		Cooling Motor Base	39.		Fuel Hose
10.		Cooling Motor	40.		Photocell
11.		Cooling Fan	41.		Photocell Bracket
12.		Support	42.		Control Base
13.		Mains Lead	43.		Thermistor
14.		Air Outlet Plate	44.		Tilt Switch Wire
15.		Front Guard	45.		Tilt Switch
16.		Cover Ring	46.		PCB
17.		Handle	47.		Blower Motor
18.		Main Cover	48.		Blower Casting
19.		Heating Plate	49.		Blower Fan
20.		Insulator	50.		Inlet
21.		Inner Body	51.		Igniter
22.		Inner Body Cover	52.		Sub PCB Wire
23.		Inner Body Gasket	53.		Sub PCB
24.		Air Guard	54.		Rear Cover
25.		Thermostat	55.		Label
26.		Thermostat Wire	56.		Display Window
27.		Rear Plate	57.		Main Switch Cable
28.		Burner Gasket	58.		On/Off Switch
29.		Diffuser	59.		Stand

WARRANTY

To validate your warranty, register your product online at www.remingtonpower.co.nz

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

This product is warranted for a 12 month period from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A small freight charge may apply. Proof of purchase is essential.

We reserve the right to reject any claim where the purchase cannot be verified. This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents or alterations. It also does not cover any bonus items or included accessories. Only the heater is covered under this warranty.

Please ensure that you store your receipt in a safe place. Conditions apply to the above warranty.

1. DURATION: The manufacturer warrants that it will repair or replace, at no charge for parts or labour, the Remington Heater, if proven defective in material or workmanship, during the following time period(s) after date of original retail purchase:

For 1 Year:

This RPK75R Remington Heater

2. WHO GIVES THIS WARRANTY (Warrantor):

EUROQUIP NEW ZEALAND
& EUROQUIP AUSTRALIA
www.euroquip.co.nz

3. WHO RECEIVES THIS WARRANTY (Purchaser):

The original purchaser of this Remington Heater

4. WHAT IS COVERED UNDER THIS WARRANTY:

Defects in material and workmanship which occur within the duration of the warranty period.

5. WHAT IS NOT COVERED UNDER THIS WARRANTY:

- A. Implied warranties, including those of merchantability and FITNESS for a particular purpose are limited in duration to this express warranty. After this period, all risks of loss, from whatever reason, shall be on the purchaser.

- B. ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE OR MALFUNCTION OF THIS PRODUCT.
- C. This warranty does not apply to any accessory or consumable items included with the product which are subject to wear from usage; the repair or replacement of these items shall be at the expense of the owner. These items include, but are not limited to: sparkplugs, seals, o-rings, nozzles, tuning costs, wheels, tyres, bearings, parts, etc. In addition, this warranty does not extend to any damage caused by the untimely replacement or maintenance of any of the previously listed CONSUMABLE parts.
- D. Any failure that results from accident, purchaser's abuse, neglect or failure to operate products in accordance with instructions provided in the owner's manual(s) supplied with the product.
- E. Pre-delivery service, i.e. assembly and adjustment.

6. RESPONSIBILITIES OF WARRANTOR UNDER THIS WARRANTY: Repair or replace, at Warrantor's option, products or components which have failed within duration of the warranty period.

7. RESPONSIBILITIES OF PURCHASER UNDER THIS WARRANTY:

- A. Please call your re-seller or the number listed above for warranty assistance.
- B. Provide dated proof of purchase and maintenance records.
- C. All generators must be delivered or shipped to the nearest Service Agent or re-seller. Freight costs, if any, must be borne by the purchaser.
- D. Use reasonable care in the operation and maintenance of the products as described in the owner's manual(s).
- E. No warranty costs incurred will be considered for, or covered if Euroquip has not been contacted and prior permission for repair / replacement has been granted.

8. WHEN WARRANTOR WILL PERFORM REPAIR OR REPLACEMENT UNDER THIS WARRANTY:

Repair or replacement will be scheduled and serviced according to the normal work flow at the servicing location and depending on the availability of replacement parts.



Congratulations on your new Remington product. We are proud to have you as our customer and will strive to provide you with the best service and reliability in the industry. This product is backed by our extensive warranty and service network. Please contact your local agent or submit a service case online for fast response at www.remingtonpower.co.nz and find the form under the service tab.