

145*210mm

REPLACEMENT PARTS LIST

PART	DESCRIPTION	PART #
A	Power Board	21108
B	Fan	36159
C	Motor	36158
D	Heating unit	23401

Diagram showing replacement parts A, B, C, and D. Part A is a power board, B is a fan, C is a motor, and D is a heating unit.

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ROVSUN INFRARED QUARTZ HEATER

model # RT1108

Diagram of the ROVSUN Infrared Quartz Heater, model # RT1108. The heater is a freestanding unit with a control panel on the right side.

ATTACH YOUR RECEIPT HERE

Purchase Date _____ Serial Number (located on back of unit) _____

Thanks for your purchase. Any questions please don't hesitate to contact us. We will handle all your problem ASAP. Your feedback is vital to us! And we will always try to do better. For more details, please contact us by email via support@rovsun.com. (Write your seller's Order# on the subject of the email, so that we can find your order and better assist your issue) Or call us at (1)855-982-2333.

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ONE-YEAR LIMITED WARRANTY

The manufacturer warrants this heater against defects in materials and workmanship on functional parts, for a period of 1 year from the original date of purchase. Your sales receipt showing the date of purchase of this product is your proof of purchase. Please keep it in a safe place for future reference. This warranty is subject to personal use only, commercial or rental applications will not be covered.

This product is made with the highest quality materials and is warranted to be free from defects in materials and workmanship at the time of purchase. This limited warranty applies to products manufactured or distributed by the manufacturer, are delivered in the continental United States or Canada and extends to the original purchaser, or gift recipient. This warranty becomes void at the time of purchase and terminates either by the specified time frame listed above and/or when transfer of ownership occurs. Any extended warranties, repairs, or replacements are not covered by this manufacturer's warranty that are sold through a retailer or third party, are not directly correlated with this product's limited warranty, and may be restricted to said retailer or third party for coverage.

This warranty extends through the manufacturer of the product, and covers functional parts only. Cosmetics are not covered, unless unequivocally determined it is a workmanship defect. Shipping damage should be addressed with the shipping company, retailer, or place of purchase, not the manufacturer unless the manufacturer was the direct shipper.

The manufacturer's sole obligation under this warranty shall be limited to furnishing the original purchaser replacement parts for units deemed repairable by the supplier's warranty department. The purchaser is responsible for insuring any parts shipped or returned, if desired. The purchaser is responsible to prepay any shipping charges (both ways) including, but not limited to taxes and duties. All exchanged parts and products included under this warranty will become the property of manufacturer. The manufacturer reserves the right to change manufacturers of replacement parts or products for use, in order to cover any existing warranty.

The purchaser may be asked to provide the supplier with proof of purchase documents including the date of purchase if requested, any evidence of alteration, erasing, or forgery or proof of purchase documents will be just cause to VOID this limited warranty. Products, in which the serial number has been deleted or removed are not eligible for warranty coverage.

This warranty does not apply if the unit has been subject to negligence, fabrication, misuse, abuse, or repairs, alteration by non-manufacturer authorized personnel, inappropriate installations, or any case beyond the control of the manufacturer. Examples of warranty invalidation may also include, but are not limited to:

- Use of lacquer or paints in and around the heaters
- Heater placed on non-approved surfaces
- Electrical requirement exceeds 15-20 amp dedicated outlet
- Use an extension cord/liners/surge protectors/GFCI
- Dustier applications
- Normal wear/tear/weathering
- Pet/commuter accidents
- Purchases from dealers unauthorized by the manufacturer (Authorization in writing)

The manufacturer shall not be liable for any loss due to use for misuse of the heater or other incidental or consequential costs, expense or damages without immediate foundations. Under no circumstances shall the manufacturer or any of its representatives be held liable for injury to any person or damage to any property, however arising. Any implied warranty shall have duration of the applicable warranty stated above. Specifications are subject to change without notice or obligation.

This limited warranty gives the original purchaser specific legal rights. Other rights may vary from state to state.

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CARE AND MAINTENANCE

▲ WARNING: Before performing any maintenance task, turn off the unit, unplug the unit, and allow it to cool completely.

1. To keep the heater clean, clean the outer shell with a soft, damp cloth. Use a mild detergent if necessary. After cleaning, dry the unit with a soft cloth.

CAUTION: DO NOT let liquid enter the heater.

2. DO NOT use alcohol, gasoline, abrasive powders, furniture polish, or rough brushes to clean the heater. This may cause damage or deterioration to the surface of the heater.

3. DO NOT immerse the heater in water.

4. Wait until the unit is completely dry before use.

5. Store the heater in a cool, dry location when not in use. To prevent dust and dirt build-up, use the original packaging to repack the unit.

▲ WARNING: Do not use the heater without all assembly in place.

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PACKAGE CONTENTS

Diagram showing the package contents of the heater. The contents include the heater unit, control panel, heat output vent, heat shield, and unit legs.

PART	DESCRIPTION	QUANTITY
A	Infrared Heater	1
B	Control Panel (preassembled to Infrared Heater [A])	1
C	Heat Output Vent (preassembled to Infrared Heater [A])	1
D	Heat Shield (preassembled to Infrared Heater [A])	1
E	Unit Legs	4

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▲ SAFETY INFORMATION

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

IMPORTANT SAFETY INSTRUCTIONS

▲ WARNING: POTENTIAL ELECTRICAL HAZARD IF NOT ADHERED TO. When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- This heater must be plugged into a 120V, 15 amp (or more) circuit of its own. Do not plug anything else into the same circuit. If unsure if your home meets this specification, consult a certified electrician prior to use. **Risk of fire, overheating, malfunction, property damage, injury, or even death may result if not adhered to.**
- Connect to a properly grounded, 2-prong outlet only. Do not connect the heater to extension cords, surge protectors, timers, direct breakers, or an outlet with other appliances connected to the same outlet. **Risk of fire, overheating, malfunction, property damage, injury, or even death may result if not adhered to.**
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Use handles (certain models) or wheels to move this heater.
- Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 36 (3.0 m) from the front of the heater and keep them away from the sides and rear of the heater.
- Extreme caution is necessary when any heater is used by or near children, invalids, pets, or when the heater is left operating unattended.
- Always unplug the heater when not in use.
- Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped, or damaged in any manner. Contact the manufacturer for resolution options.
- Do not use outdoors. Exposure to outdoor elements such as rain, snow, sun, wind, or extreme temperatures may cause the heater to become a safety hazard.
- This heater is not intended for use in bathrooms, laundry areas, and similar indoor locations, nor any locations that use GFCI outlets.
- Never place the heater where it may fall into a bathtub or other water receptacles.
- Do not run the cord under carpet. Do not cover the cord with throw rugs, runners, or similar coverings. Arrange the cord away from traffic areas and where it will not be tripped over.
- The heater must be plugged into a wall outlet that is a dedicated circuit with a minimum 15-amp rating on that individual circuit.
- To disconnect the heater, first turn the power button to the OFF position and then remove the plug from the wall outlet.
- Do not allow foreign objects to enter or block any ventilation or exhaust opening as this may cause electric shock, fire, or damage the heater.
- Allow at least 3 ft. of unobstructed space to the front and rear of the heater to allow for maximum heat, air, and ventilation flow.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored, nor use flammable solvents to clean the heater. Keep the heater dry at all times.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Do not use abrasive solvents to clean the heater as it may cause damage to the finish or coating.
- To prevent a possible fire, do not block or inhibit or exhaust in any manner. Do not use on soft surfaces, like a bed, where operation may become blocked.
- Always plug heaters directly into a wall, outlet/ receptacle. Never use an extension cord or relocatable power tap (outlet/power strip).

SAVE THESE INSTRUCTIONS

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OPERATING INSTRUCTIONS

1. Turn the flame affect ON / OFF by toggling the flame affect switch on the control panel (B) to the position.

2. Turn the heater ON / OFF by toggling the unit power / Heat Switch 1 switch on the control panel (B) to the position. The unit power is set to 1,000 W. Increase the heat power by toggling the Switch 2 on the control panel for 1,500 W.

3. Set the thermostat by turning the thermostat knob on the control panel (B). To increase the desired temperature, turn the thermostat due to the right (clockwise) to increase, or left to decrease temperature. The thermostat control knob can only be used while the Power and Heat switch/switches are in the on position.

Once you have chosen the desired temperature, the heater will remain on until the room temperature increases to that level. Then, the heater will cycle on and off to maintain the desired room temperature.

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TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
The heater does not turn on.	1. The power cord is not plugged in. 2. The electricity at the main fuse box is not working.	1. Plug the power cord into an electrical outlet. 2. Check the electricity at the main fuse box.
The flame effect does not turn on.	3. There is no light for the flame effect.	4. Change the light bulb.
There is no heat from the unit.	1. The thermostat on the heater is set lower than the room temperature. 2. The switch for heat is not on.	1. Increase the thermostat temperature on the heater to a higher heat setting. 2. Turn the low and/or high heat switch to the on position along with the flame and fan effect switch.

CONTROL PANEL

Diagram of the control panel showing the power switch, heat switch, and thermostat knob. The power switch is labeled OFF, 1000, and 1500. The heat switch is labeled 1, 2, and 3. The thermostat knob is labeled 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

PART	NAME	DESCRIPTION
1	Thermostat Knob	Increases or decreases desired temperature
2	Flame Effect Switch	Engages the flame effect ON or OFF
3	Power ON / OFF Heat Switch One	Powers the unit ON / OFF and toggles power to 1,000 watt mode
4	Heat Switch Two	Engages power to 1,500 watt mode

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▲ SAFETY INFORMATION

Overheat Safety Feature

This heater is equipped with an overheat safety feature. When the internal components of the heater reach a certain temperature that could cause overheating or possible fire, the heater will automatically shut off.

▲ WARNING: TO PREVENT ELECTRICAL SHOCK, MATCH THE WIDE BLADE OF THE PLUG TO THE WIDE SLOT OF THE RECEPTACLE AND FULLY INSERT.

Diagram showing the plug and outlet connection. The plug is a two-prong grounded plug, and the outlet is a standard wall outlet.

▲ WARNING: It is normal for the power cord to feel warm to the touch. However, a loose fit between the outlet and the plug may cause overheating of the plug. If this occurs, try moving the plug into a different outlet. Contact a qualified electrician to inspect the original outlet for damage.

Specifications

Voltage Rating	120 V (60 Hz)
Power Consumption	1,000 W / 5,000 W
Unit Size	16.40 in (W) x 10.7 in (D) x 22.44 in (H)
Unit Weight	11.02 lbs

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FREQUENTLY ASKED QUESTIONS

Please review these frequently asked questions on the next few pages prior to using your heater.

Q. My heater emits a strange odor when I first open the box and when I turn the heater on for the first time. Why is this happening?

A. This is normal. This heater is treated with a special heat safe/resistant coating. This odor will sometimes be present when the box is opened. When the coating is exposed to heat, it produces this particular odor during the first few hours of operation. This will dissipate after the break-in period if you are sensitive to odors, you may want to pre-burn the unit in a garage with the door open until the initial odor dissipates.

Q. If my heater runs on its max wattage setting, how many BTUs is that?

A. This heater is intended to be used as supplemental heat in areas most needed. It may take several minutes to several hours to heat your area, depending on various factors. The below chart provides BTU translations for different wattages.

WATTAGE	BTUS
1,500	5,118
1,000	3,412
750	2,557
500	1,705

Q. Can the heating elements be replaced?

A. Replacement heating elements can be obtained from the manufacturer. All parts may be purchased through the manufacturer's online product support. A representative can then direct you to the next step.

Q. Once I plug my unit in and turn it on, how long will it take to heat my room?

A. The heating process in the heater begins immediately upon powering on and setting the desired temperature above the ambient temperature. A noticeable change in the ambient temperature of the room will vary due to variables such as the location of the heater (in the hallway, floor plan and size of the room, how well the room is insulated, how many doors/windows, how much bare concrete (such as a heat sink with any type of heating), the opening and closing of an exterior door, long hallways, high ceilings, etc. Customers with smaller rooms experience quick heat changes. Rooms with larger and open floor plans can expect up to 25 hours to completely heat up.

Q. Can I use more than one heater at a time? Can I use the heater and another appliance at the same time?

A. Yes, but make sure they are not plugged into the same circuit. Each heater requires its own minimum 15-amp circuit with no other items plugged into that circuit or outlet. This is because heaters are considered appliances and draw not high amperage. If you are unsure your circuit meets these requirements, verify with a certified electrician.

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FREQUENTLY ASKED QUESTIONS

▲ WARNING: Risk of fire, damage to property, or injury may result if requirements are not met.

Q. Why does my heater's fan continue to run after the set temperature is reached or the power is turned off?

A. This is normal. The heater's fan will continue to run even after the heater automatically cycles down. The fan continues to run so that every last bit of heat is blown out of the heat chamber while allowing the unit to continue filtering your air. Once the internal box components cool completely, the fan should then shut off on its own. In this case, allow a few minutes after the heat cycles off before power on. The fan will shut off faster when the power is turned off.

Q. My heater's power cord gets warm. My cord is showing signs of heat or melting at the outlet. Is this normal?

A. A warm power cord is normal. These power cords are rated safe for up to 105°C (221°F) by the UL, CSA, or ETL. The exception is if you detect heat, smoke, or signs of melting at the contact point of the wall outlet, it may be due to loose or worn wall contacts (for arcing). Please stop using the heater immediately, contact warranty support for a replacement power cord, and have a certified electrician replace the wall outlet as soon as possible.

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PREPARATION

Place the heater on a firm, level surface and plug into a grounded 120 V, 60 Hz power outlet. Only operate heater in upright position.

Please note that infrared heaters do not heat like a traditional space heater. You should not expect infrared heaters to blow hot air like a traditional space heater. Infrared heaters heat objects not air. Infrared heaters are intended to supplement an already heated, insulated room. Square footage specifications assume a single enclosed room not an entire home. Infrared heaters do not heat through walls, floors, and are not intended to replace a main heat source. Infrared heat can take at least 24 hours to warm a room but operate much more efficiently to maintain the desired temperature. Infrared heaters will not work well in uninsulated unheated spaces like screened-in porches, RVs, garages, unheated basements, etc.

Diagram showing the heater being plugged into a wall outlet. The heater is a freestanding unit with a control panel on the right side.

To assemble the unit feet align the foot to the mounting bracket and press up firmly until around with a "CLICK" sound for permanent attachment (you can secure the leg by adding a screw into the pre-drilled hole (1 per leg)).

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