

CRL C.R. LAURENCE CO., INC.

Heat Gun

Instruction Manual

CAT. NO. LD121, LD121EU, LD121AU



CE



DOUBLE INSULATION



E223238

MODEL#Q1B-AJ2-150



READ THROUGH THIS MANUAL CAREFULLY BEFORE USING THE PRODUCT.

The LD121 Heat Gun is a newly developed product featuring a compact exterior design, low noise level, and high wind speed. The speed can be regulated into two levels with adjustable air temperature. It is easy to operate and useful for stripping paint, varnish, lacquer, pre-drying, and heating of UV assemblies.



Care for the environment!

Tool must not be discarded with household waste!

This product contains electrical or electronic components that should be recycled. Leave the product for recycling at the designated station e.g. the local authority's recycling station.

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GENERAL SAFETY RULES



WARNING!

READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATING. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN ELECTRIC SHOCK, FIRE, SERIOUS PERSONAL INJURY, AND/OR VOIDING OF YOUR WARRANTY. VENDOR WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.



Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paint
- Crystalline silica from bricks, cement and other masonry products
- Arsenic and chromium from chemically treated lumber

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specifically designed to filter out microscopic particles.

WORK AREA

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. Hidden areas such as behind walls, ceilings, floors, soffit boards and other panels may contain flammable materials that could be ignited by the heat gun when working in these locations. The ignition of these materials may not be readily apparent and could result in property damage and injury to persons. When working in these locations, keep the heat gun moving in a back-and-forth motion. Lingering or pausing in one spot could ignite the panel or the material behind it.
3. Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause the loss of control.

ELECTRICAL SAFETY

1. Double insulated tools are equipped with a polarized plug. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply systems.
2. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. When operating a power tool outside, use an outdoor extension cord marked with "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.

GENERAL SAFETY RULES

PERSONAL SAFETY

1. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use the tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Dress properly. Do not wear loose clothes or jewelry. Keep your hair, clothes, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
3. Avoid accidental starting. Be sure that the switch is OFF before plugging in. Carrying tools with your finger on the switch or plugging in tools with the switch ON invites accidents.
4. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control on the tool in unexpected situations.
5. Use safety equipment. Always wear eye protection. Dust masks, non-skid safety shoes, hard hats, or hearing protection must be used for appropriate conditions. If devices are provided for the connection of dust extraction and collection facilities, ensure that they are properly connected and used. These devices can reduce dust-related hazards.
6. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before use. Many accidents are caused by poorly maintained tools.
7. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.
8. Do not abuse the cord. Never use the cord to carry the tool or pull the plug from an outlet. Keep the cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

SERVICE

1. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
2. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES

- Do not block the air inlet and outlet of the heat gun. Keep hands and paper away from the inlet.
- When using the tool, never allow any body part to contact the wind tube.
- Never use heat gun as a blow dryer. Never direct heat flow to any person or animal.
- Do not use the heat gun near flammable objects.
- Do not drop the heat gun. Avoid scratching the plastic covering.
- The heat gun is for indoor use only, except when removing paint.

DANGER:

To reduce the risk of explosion, do not use in paint spray booths or within 10 feet of paint spraying operations.

WARNING:

Extreme care should be taken when stripping paint. The peelings, residue and vapors of paint may contain lead, which is poisonous. Any pre-1977 paint may contain lead, and paint applied to homes prior to 1950 is likely to contain lead. Once deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage; young and unborn children are particularly vulnerable. Before beginning any paint removal process you should determine whether the paint you are removing contains lead. This can be done by your local health department or by a professional who uses a paint analyzer to check the lead content of the paint to be removed. **LEAD-BASED PAINT SHOULD ONLY BE REMOVED BY A PROFESSIONAL AND SHOULD NOT BE REMOVED USING A HEAT GUN.**

PERSONS REMOVING PAINT SHOULD FOLLOW THESE GUIDELINES:

- 1) Move the work piece outdoors. If this is not possible, keep the work area well ventilated. Open the windows and put an exhaust fan in one of them. Be sure the fan is moving the air from inside to outside.
- 2) Remove or cover any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
- 3) Place drop cloths in the work area to catch any paint chips or peelings. Wear protective clothing such as extra work shirts, overalls, and hats.
- 4) Work in one room at a time. Furnishings should be removed or placed in the center of the room and covered. Work areas should be sealed off from the rest of the dwelling by sealing doorways with drop cloths.
- 5) Children, pregnant or potentially pregnant women and nursing mothers should not be present in the work area until the work is done and all clean up is complete.
- 6) Wear a dust respirator mask or a dual filter (dust and fume) respirator mask which has been approved by the Occupational Safety and Health Administration (OSHA), the National Institute of Safety and Health (NIOSH), or the United States Bureau of Mines. These masks and replaceable filters are readily available at major hardware stores. Be sure the mask fits. Beards and facial hair may keep masks from sealing properly. Change filters often. **DISPOSABLE PAPER MASKS ARE NOT ADEQUATE.**
- 7) Use caution when operating the heat gun. Keep the heat gun moving as excessive heat will generate fumes which can be inhaled by the operator.
- 8) Keep food and drink out of the work area. Wash hands, arms and face and rinse mouth before eating or drinking. Do not smoke or chew gum or tobacco in the work area.
- 9) Clean up all removed paint and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surface where paint or dust is clinging. **DO NOT SWEEP, DRY DUST OR VACUUM.** Use a high phosphate detergent or trisodium phosphate (TSP) to wash and mop areas.
- 10) At the end of each work session put the paint chips and debris in a double plastic bag, close it with tape or twist ties and dispose of properly.
- 11) Remove protective clothing and work shoes in the work area to avoid carrying dust into the rest of the dwelling. Wash work clothes separately. Wipe shoes off with a wet rag that is then washed with the work clothes. Wash hair and body thoroughly with soap and water.

FUNCTIONAL DESCRIPTION

1. Removal of paint and lacquer. ATTENTION! Hazardous or poisonous gasses may be produced while removing paint or lacquer. Be sure to provide adequate ventilation.
2. Removal of stickers and decorations.
3. Loosening of rusted or tightly fastened nuts and metal screws.
4. Thawing of frozen pipes, door locks, etc. ATTENTION! Do not attempt to thaw plastic or synthetic pipes.
5. Accentuation of natural wood grains before staining or lacquering.
6. Shrinkage of PVC packaging foils and insulation tubes.
7. Waxing and de-waxing of skis.
8. Preheating of UV assemblies.

MAIN TECHNICAL DATA LD121

Rated voltage..... 120V/60Hz

Rated power:..... I: 1000W II: 1500W

Blowing speed:..... I: 14CFM II: 19.5CFM

Air temperature: I: 700°F II: 920°F

LD121EU/AU

220V-240V/60Hz

I: 1000W II: 1500W

I: 400L/min II: 550L/min

I: 375°C II: 495°C

OPERATION

1. Insert plug of the heat gun securely into the AC outlet.
2. Turn the heat gun ON by pushing the switch upward to position "II" for high power level or downward to position "I" for lower power level.
3. Turn the heat gun OFF by pushing switch to "O" position. Store after the device has completely cooled down.

MAINTENANCE

Keep the vent passage clear of dirt. Do not block the air inlet and outlet of the heat gun. Never use heat gun as a blow dryer. Do not drop the heat gun. Avoid scratching the plastic covering. Use only indoors!

Double insulated tools are equipped with a polarized plug. This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for three wire grounded power cords and grounded power supply systems.

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Item No.	Name	Quantity
1	Left Housing	1
2	Switch	1
3	Shock Proof Pad	2
4	Circuit Board	1
5	Motor RS 365SH	1
6	Motor Support	1
7	Fan	1
8	Wing Hood	1
9	Fix Sleeve	1
10	Ceramic Tube	1
11	Cover	2
12	Heating Wire	1
13	Ceramic Tube	1
14	Connector Piece	3
15	Mica Paper	1
16	Wind Tube	1
17	Tapping ST 3" x 8"	3
18	Wind Tube Inner Ring	1
19	Wind Tube Sheath	1
20	Tapping Screw	1
21	Diode in 4007	4
22	Regulator	1
23	Tapping Screw	4
24	Wire Conductor	1
25	Capacitor	1

Item No.	Name	Quantity
26	Screw M6 Thread x 2.5"	2
27	Cord Sheath	1
28	Wire Strain Plate	1
29	Power Cord	1
30	Right Housing	1
31	Brand Label	1
32	Tapping Screw	5
33	Ring	1

