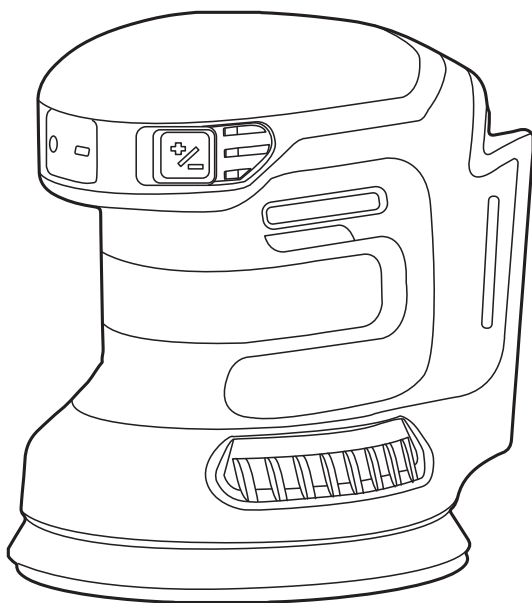


greenworks[®]

EN	ORBITAL SANDER	OPERATOR MANUAL
FR	PONCEUSE ORBITALE	MANUEL D'OPÉRATEUR
ES	LIJADORA ORBITAL	MANUAL DEL OPERADOR



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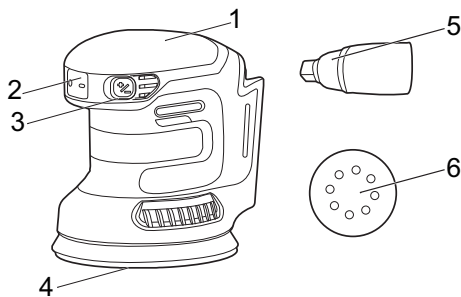
1 DESCRIPTION

1.1 PURPOSE

You may use this product for the purposes listed below :

- Sanding on wood surfaces
- Removing rust and paint
- Sanding plastics

1.2 OVERVIEW



- | | |
|-----------------------|------------------------------|
| 1 Rubber comfort grip | 5 Dust collection bag |
| 2 On/Off switch | 6 hook-and-loop sanding disc |
| 3 3 speed settings | |
| 4 Packing pad | |

2 GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING

Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

2.1 WORK AREA SAFETY

- **Keep work area clean and well lit. Cluttered or dark areas invite accidents.**
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.**
- **Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.**

2.2 ELECTRICAL SAFETY

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.**
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.**
- **Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.**
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.**
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.**
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.**

2.3 PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power 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.**
- **Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.**
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.**
- **Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.**
- **Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.**
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.**

- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. *Use of dust collection can reduce dust-related hazards.*
- Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. *A careless action can cause severe injury within a fraction of a second.*
- Use power tools only with specifically designated battery packs. *Use of any other battery packs may create a risk of injury and fire.*
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. *Shorting the battery terminals together may cause burns or a fire.*

2.4 POWER TOOL USE AND CARE

- Do not force the power tool. Use the correct power tool for your application. *The correct power tool will do the job better and safer at the rate for which it was designed.*
- Do not use the power tool if the switch does not turn it on and off. *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. *Power tools are dangerous in the hands of untrained users.*
- Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. *If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.*
- Keep cutting tools sharp and clean. *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. *Use of the power tool for operations different from those intended could result in a hazardous situation.*
- Keep handles and grasping surfaces dry, clean and free from oil and grease. *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

2.5 BATTERY TOOL USE AND CARE

- Recharge only with the charger specified by the manufacturer. *A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.*

- Under abusive conditions, liquid may be ejected from the battery; avoid contact. *If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.*
- Do not use a battery pack or tool that is damaged or modified. *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
- Do not expose a battery pack or tool to fire or excessive temperature. *Exposure to fire or temperature above 130°C may cause explosion.*
- Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

2.6 SERVICE

- Have your power tool serviced by a qualified repair person using only identical replacement parts. *This will ensure that the safety of the power tool is maintained.*
- Never service damaged battery packs. *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

3 SAFETY WARNINGS FOR SANDER




- Use the machine only for dry sanding. Penetration of water into the machine increases the risk of an electrical shock.
- Be careful that no persons are put at risk through sparking. Remove any combustible materials in the vicinity. Sparking occurs when sanding metal materials.
- Caution, fire hazard! Avoid overheating the object being sanded as well as the sander. Always empty the dust collector before taking breaks. In unfavourable conditions, e. g., when sparks emit from sanding metals, sanding debris in the dust bag, micro filter or paper sack (or in the filter sack or filter of the vacuum cleaner) can self-ignite. Particularly when mixed with remainders of varnish, polyurethane or other chemical materials and when


the sanding debris is hot after long periods of working.

- When working with the machine, always hold it firmly with both hands and provide for a secure stance. The power tool is guided more secure with both hands.
- Secure the workpiece. A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- Do not open the battery. Risk of short-circuiting.
- In case of damage and improper use of the battery, vapours may be emitted. Ventilate the area and seek medical help in case of complaints. The vapours can irritate the respiratory system.
- Use the battery only in conjunction with your power tool. This measure alone protects the battery against dangerous overload.
- The battery pack can be damaged by pointed objects such as nails or screwdrivers or by force applied externally. An internal short circuit can occur and the battery pack can burn, smoke, explode or overheat.

4 SYMBOLS ON THE PRODUCT




The following symbols are important for reading and understanding the operating instructions. Please take note of the symbols and their meanings. The correct interpretation of the symbols will help you to use the machine in a better and safer manner.

Symbol	Explanation
	Safety alert
	CE Conformity
	Read and understand all instructions before operating the product, and follow all warnings and safety instructions.
	Wear ear protection.
	Wear eye protection
	Wear a dust mask
	Wear safety gloves
V	Volts

Symbol	Explanation
	Direct Current
min ⁻¹	No-load speed
	No-load orbital stroke rate
cm ²	Sanding sheet surface
mm	Orbit diameter
	Sanding plate diameter

5 RISK LEVELS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYM-BOL	SIGNAL	MEANING
	DANGER	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

6 ENVIRONMENTALLY SAFE BATTERY DISPOSAL



The toxic and corrosive materials below are in the batteries used in this machine: **Lithium-ion, a toxic material.**

▲ WARNING

Discard all toxic materials in a specified manner to prevent contamination of the environment. Before discarding damaged or worn out Lithium-ion battery, contact your local waste disposal agency, or the local Environmental Protection Agency for information and specific instructions. Take the batteries to a local recycling and/or disposal center, certified for Lithium-ion disposal.

▲ WARNING

If the battery pack cracks or breaks, with or without leaks, do not recharge it and do not use. Discard it and replace with a new battery pack. **DO NOT TRY TO REPAIR IT!** To prevent injury and risk of fire, explosion, or electric shock, and to avoid damage to the environment:

- Cover the terminals of the battery with heavy-duty adhesive tape.
- DO NOT try to remove or destroy any of the battery pack components.
- DO NOT try to open the battery pack.
- If a leak develops, the released electrolytes are corrosive and toxic. DO NOT get the solution in the eyes or on skin, and do not swallow it.
- DO NOT put these batteries in your regular household trash.
- DO NOT incinerate.
- DO NOT put them where they will become part of any waste landfill or municipal solid waste stream.
- Take them to a certified recycling or disposal center.

7 PROPOSITION 65**▲ WARNING**

This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm. 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 paints;
- Crystalline silica from bricks and cement and other masonry products;
- Arsenic and chromium from chemically treated lumber.

Your risk of exposure to these chemicals 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 specially designed to filter out microscopic particles.

Save these instructions.

8 INSTALLATION**8.1 UNPACK THE MACHINE****▲ WARNING**

Make sure that you correctly assemble the machine before use.

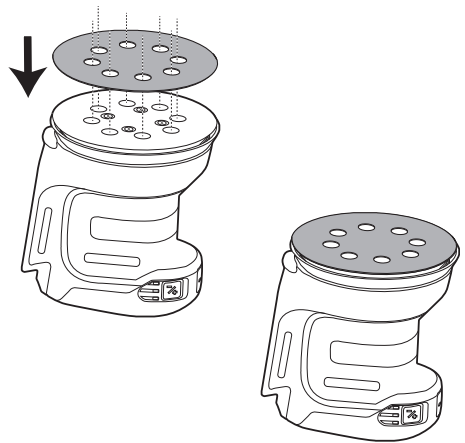
▲ WARNING

- If parts of the machine are damaged, do not use the machine.
- If parts are missing, do not operate the machine.
- If parts are damaged or missing, contact the service center.

1. Open the package.
2. Read the documentation provided in the box.
3. Remove all the unassembled parts from the box.
4. Remove the machine from the box.
5. Discard the box and packing material in compliance with local regulations.

▲ WARNING

For your personal safety, do not insert battery before the tool is assembled completely.

8.2 ATTACH THE HOOK-AND-LOOP SANDING DISC**i NOTE**

Use only 5 in. hook-and-loop sanding discs which can be found at local home centers and hardware stores.

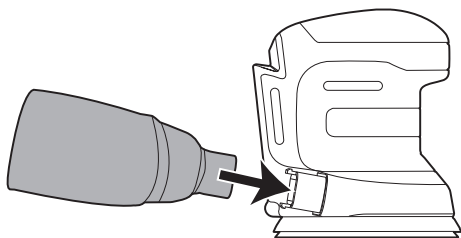
1. Remove the battery pack.

2. Inspect the hook-and-loop sanding disc before installing; do not use if broken or defective.
3. Align the holes in the sanding disc with the holes in the backing pad in order for the dustless feature to function properly.
4. Press the sanding disc against the backing pad as firmly as possible.

i NOTE

You can reuse hook-and-loop sanding discs. We recommend that you clean the backing pad occasionally by brushing it lightly with a small brush for best adhesion.

8.3 INSTALL THE DUST COLLECTION BAG ASSEMBLY

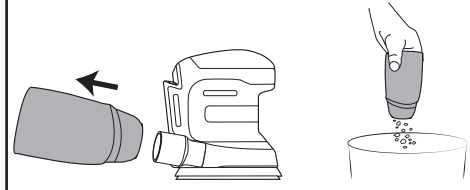


Do not use the dust collection bag when sanding metal. It may create a fire hazard that could damage the machine and lead to serious personal injury.

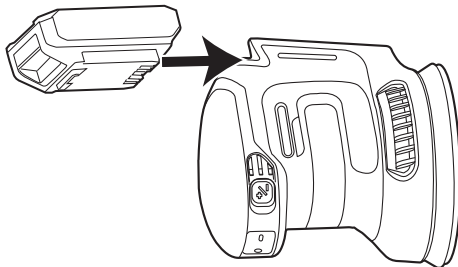
1. Remove the battery pack
2. Slide the dust collection bag into the dust exhaust port on the sander.

i TIP

For more efficient operation, empty the dust collection bag when it is no more than half full. Always empty and clean the dust collection bag thoroughly before placing the sander in storage.



8.4 INSTALL THE BATTERY PACK

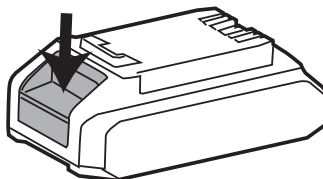


▲ WARNING

- If the battery pack or charger is damaged, replace the battery pack or the charger.
- Stop the machine and wait until the motor stops before you install or remove the battery pack.
- Read, know, and follow the instructions in the battery and charger manual.

1. Align the lift ribs on the battery pack with the grooves in the battery compartment.
2. Push the battery pack into the battery compartment until the battery pack locks into place.
3. When you hear a click, the battery pack is installed.

8.5 REMOVE THE BATTERY PACK



1. Push and hold the battery release button.
2. Remove the battery pack from the machine.

9 OPERATION

▲ WARNING

Always wear eye protection.

▲ WARNING

Do not use any attachments or accessories not recommended by the manufacturer of this product.

9.1 START THE MACHINE



▲ WARNING

Never switch on the tool when it is in contact with the workpiece, it may cause an injury to operator.

▲ CAUTION

Never run the machine without attaching sanding disc.

1. Secure the workpiece to prevent it from moving under the sander.
2. Hold the machine firmly.
3. Place the machine on the workpiece so that all of the sanding disc surface is in contact with the workpiece.
4. Press the switch to 'I' position to turn on the machine.
5. Move it slowly over the workpiece.
6. Press the speed button to adjust the speed.



9.2 STOP THE MACHINE

1. Press the switch to 'O' position.

10 MAINTENANCE

▲ CAUTION

Do not let brake fluids, gasoline, petroleum-based materials touch the plastic parts. Chemicals can cause damage to the plastic, and make the plastic unserviceable.

▲ CAUTION

Do not use strong solvents or detergents on the plastic housing or components.

▲ WARNING

Remove the battery pack from the machine before maintenance.

10.1 CLEAN THE MACHINE

▲ CAUTION

The machine must be dry. Humidity can cause risks of electrical shocks.

- Clear the unwanted material out of the air vent with a vacuum cleaner.
- Do not spray the air vent or put the air vent in solvents.
- Clean the housing and the plastic components with a moist and soft cloth.

11 TECHNICAL DATA

Voltage	24 V
No load speed	11000 OPM
Disc diameter	5"
Weight (without battery)	2.5 lbs (1.1 kg)
Battery model	LB24A020/BAG708 and other BAG series
Charger model	2978602/2903102 and other CAG series

12 LIMITED WARRANTY



Greenworks hereby warranties this product, to the original purchaser with proof of purchase, for a period

of three (3) years against defects in materials, parts or workmanship. Greenworks, at its own discretion, will repair or replace any and all parts found to be defective, through normal use, free of charge to the customer. This warranty is valid only for units which have been used for personal use that have not been purchased or rented for industrial/commercial use, and that have been maintained in accordance with the instructions in the owners' manual supplied with the product when new.

ITEMS NOT COVERED BY WARRANTY:

1. Any part that has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper maintenance, or alteration; or
2. The unit, if it has not been operated and/or maintained in accordance with the owner's manual; or
3. Normal wear;
4. Routine maintenance items such as lubricants, blade sharpening;
5. Normal deterioration of the exterior finish due to use or exposure.

HELPLINE:

Warranty service is available by calling our toll-free helpline at 1-888-909-6757.

TRANSPORTATION CHARGES:

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. It is the purchaser's responsibility to pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by Greenworks.

USA address:

Greenworks Tools
P.O. Box 1238, Mooresville, NC 28115

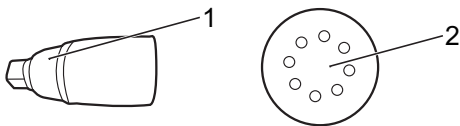
Canadian address:

Greenworks Tools Canada, Inc.
P.O. Box 93095, Newmarket, Ontario, L3Y 8K3

Mexico address:

TECNOLOGIA CAMPO Y JARDIN S.A. DE C.V.
ADMINISTRADORES No. 5336 A, COL. ARCOS DE GUADALUPE, ZAPOPAN , JALISCO , C.P. 45037

13 EXPLODED VIEW



No.	Part No.	QTY	Description
1	R0204783-00	1	Dust collection bag
2	R0204784-00	1	80-Grit hook and loop sanding disc