

greenworks

NL24B210
PA411K

EN

BRAD NAILER

OPERATOR MANUAL



NLG401

www.greenworkstools.com

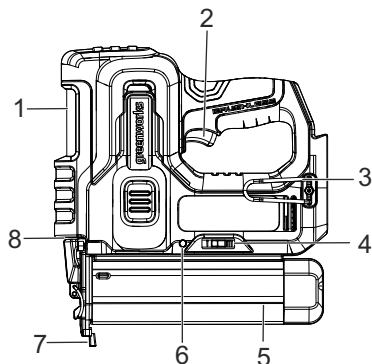
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1 DESCRIPTION

1.1 PURPOSE

The machine is intended for tacking of cardboard, insulating material, fabric, foils, leather and similar materials on surfaces of wood or materials similar to wood. The machine is not suitable for the attachment of wall.

1.2 OVERVIEW



- | | |
|--------------------------------|----------------------|
| 1 Cylinder | 5 Magazine |
| 2 Trigger | 6 LED indicator |
| 3 Belt clip | 7 Safety contact pin |
| 4 Single / contact firing knob | 8 LED Light |

1.3 PACKING LIST

- | | |
|---------------|----------|
| 1 Brad nailer | 2 Manual |
|---------------|----------|

2 GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING

Read all safety warnings and all instructions. Failure to follow the warnings and instructions 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 and 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 a 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 energizing 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, clothing and gloves 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.*

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.*
- 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 fire.*
- 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 behavior 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.*

3 NAILER SAFETY WARNINGS

- Always assume that the tool contains fasteners. *Careless handling of the nailer can result in unexpected firing of staples and personal injury.*
- Do not point the tool towards yourself or anyone nearby. *Unexpected triggering will discharge the staple causing an injury.*
- Do not actuate the tool unless the tool is placed firmly against the workpiece. *If the tool is not in contact with the workpiece, the nailer may be deflected away from your target.*
- Disconnect the tool from the power source when the fastener jams in the tool. *While removing a jammed fastener, the nailer may be accidentally activated if it is plugged in.*
- Use caution while removing a jammed nailer. *The mechanism may be under compression and the nailer may be forcefully discharged while attempting to free a jammed condition.*
- Do not use this nailer for fastening electrical cables. *It is not designed for electric cable installation and may damage the insulation of electric cables thereby causing electric shock or fire hazards.*
- Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. *Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*





- **Protect your hearing.** *Wear hearing protection during extended periods of operation. Following this rule will reduce the risk of serious personal injury.*
- **Always wear eye protection with side shields marked to comply with ANSI Z87.1.** *Following this rule will reduce the risk of serious personal injury.*
- **Protect your lungs.** *Wear a face or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.*
- **Always remove the battery cartridge before loading the fasteners, adjustment, inspection, maintenance or after operation is over.**
- **Make sure no one is nearby before operation.** *Never attempt to drive fasteners from both the inside and outside of wall at the same time. Fasteners may rip through and/or fly off, presenting a grave danger.*
- **Watch your footing and maintain your balance with the tool.** *Make sure there is no one below when working in high locations.*
- **Check walls, ceilings, floors, roofing and the like carefully to avoid possible electrical shock, gas leakage, explosions, etc. caused by stapling into live wires, conduits or gas pipes.**
- **Use only fasteners specified in this manual.** *The use of any other fasteners may cause malfunction of the tool.*
- **Do not tamper with the tool or attempt to use it for other than driving fasteners.**
- **Do not operate the tool without fasteners.** *It shortens the service life of the tool.*
- **Stop driving operations immediately if you notice something wrong or out of the ordinary with the tool.**
- **Never fastener into any materials which may allow the fastener to puncture and fly through as a projectile.**
- **Never actuate the switch trigger and safety lever at the same time until you are prepared to fastener workpieces.** *Allow the workpiece to depress the safety lever. Never defeat its purpose by securing the safety lever back or by depressing it by hand.*
- **Never tamper with the safety lever.** *Check the safety lever frequently for proper operations.*
- **Keep hands and feet away from the ejection port area.**
- **Use the tool only for its intended use.** *Do not discharge fasteners into open air.*
- **Do not use tool if trigger does not actuate properly.**
- **Any tool that cannot be controlled with the trigger is dangerous and must be repaired.**
- **Check operation of the workpiece contact mechanism frequently.** *Do not use the tool if the workpiece contact mechanism is not working correctly as accidental driving of a fastener may result. Do not interfere with the proper operation of the workpiece contact mechanism.*
- **Do not use a tool that does not work correctly.**
- **During normal use the tool will recoil immediately after driving a fastener.** *This is a normal function of the tool. Do not attempt to prevent the recoil by holding the nailer against the work. Restriction to the recoil can result in a second fastener being driven from the nailer.*

Grip the handle firmly, let the tool do the work and do not place second hand on top of tool or near exhaust at any time. Failure to heed this warning can result in serious personal injury.

- **Do not drive fasteners on top of other fasteners or with the tool at an overly steep angle as this may cause deflection of fasteners which could cause injury.**
- **Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition.** *Be aware of possible hazards when not using your battery tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.*
- **Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow.** *A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.*
- **Do not place battery tools or their batteries near fire or heat.** *This will reduce the risk of explosion and possibly injury. For more information about battery safety and operating instructions, please refer to the battery and charger instructions.*
- **Save these instructions.** *Refer to them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also.*




4 SYMBOLS ON THE PRODUCT

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

Symbol	Explanation
V	Voltage
/min	Revolutions, strokes, surface speed, orbits etc., per minute
n ₀	No load speed
==	Direct current-Type or characteristic of current.
	Precautions that involve your safety.
	Read and understand all instructions before operating the product, and follow all warnings and safety instructions.
	Wear eye and ear protection.
	Keep hands and body away from the discharge area of the tool.

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 Li-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

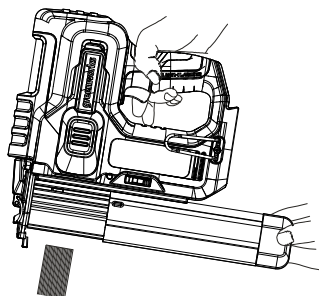
▲ WARNING

Make sure that you correctly assemble the machine before use.

▲ WARNING

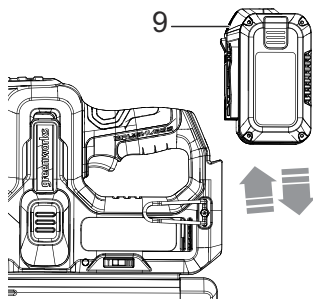
- If parts of the machine are damaged, do not use the machine.
- If you do not have all the parts, do not operate the machine.
- If parts are damaged or missing, contact the service center.

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.

8.2 LOAD THE BRAD NAILS**i NOTE**

Do not point the machine at yourself or others when loading the nails. Failure to do so can cause possible serious personal injury.

1. Remove the battery pack from the machine.
2. Press the magazine release button and pull out the magazine cover.
3. Place the nails into the track of the magazine channel with nail tips pointing down and resting on bottom of the channel.
4. Close the magazine cover until it securely snaps into place.
5. Reinstall the battery pack.

8.3 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 and understand 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.

8.4 REMOVE THE BATTERY PACK

1. Push and hold the battery release button (9).
2. Remove the battery pack from the machine.

9 OPERATION**i IMPORTANT**

Before you operate the machine, read and understand the safety regulations and the operation instructions.

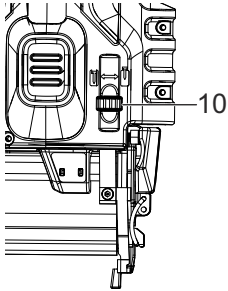
▲ WARNING

Be careful when you operate the machine.

10 OPERATION**▲ WARNING**

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

10.1 ADJUST THE NAIL DEPTH



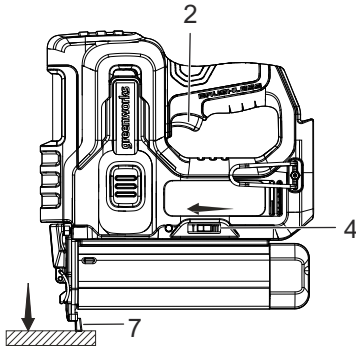
Harder materials and longer nails require more force to drive the nail. Use the depth adjustment wheel to achieve the desired depth.

1. Remove the battery pack from the machine.
2. Turn the depth adjustment wheel (10) left or right to change the driving depth.
3. Reinstall the battery pack.

10.2 SINGLE / CONTACT FIRING MODE

Single firing mode :

Single firing mode provides the most accurate nail placement.



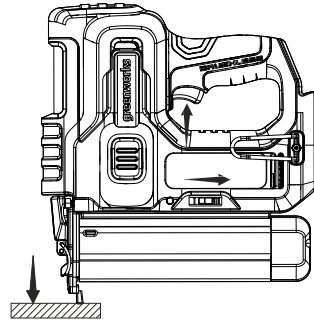
1. Push the single / contact firing knob (4) to position T.
2. Depress the safety contact pin (7) against the work surface.
3. Squeeze the trigger (2) to fire the nail.
4. Release the trigger and safety contact pin after firing.

i NOTE

The safety contact pin must be depressed before the trigger is squeezed.

Contact firing mode :

Contact firing mode provides the convenient and fast nail placement.



1. Push the single / contact firing knob (4) to position TTT.
2. Squeeze and hold the trigger (2) all the time.
3. Depress the safety contact pin (7) against the work surface.
4. Release the trigger and safety contact pin after firing.

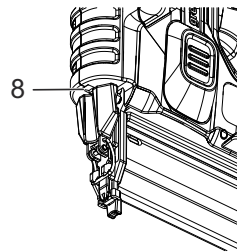
i NOTE

Keep squeezing the trigger all the time during the safety contact pin is being depressed time by time.

▲ CAUTION

Do not depress the trigger when the tool is not in use to avoid accidental firing.

10.3 LED LIGHT



The LED light (8) illuminates when the trigger is depressed. It turns off after a delay when the trigger is released.

10.4 LED INDICATOR

The LED indicator will illuminate in specific order to communicate the current machine status. They are as follows:

Indicator	State	
	Red light flashes	The nails are jammed

Indicator	State	
●	Red light goes on all time	Low battery
⋈●⋈	Green light flashes	Overheat protection
●	Green light goes on all time	No nails, the machine in dry fire protection

Length of nails	3/4" - 2"
Weight (without battery pack)	5.9 lbs (2.68 kg)
Battery model	LB24A020/BAG708 and other BAG series
Charger model	2978602/2903102 and other CAG series

11 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.

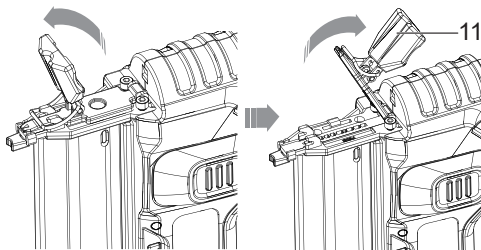
▲ CAUTION

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

▲ WARNING

Remove the battery pack from the machine before maintenance.

11.1 REMOVE A JAMMED NAIL



1. Remove the battery pack from the machine.
2. Open the magazine and remove the nails in channel.
3. Pull up the jam release latch (11).
4. Remove the jammed nail.
5. Close the jam release latch.
6. Reload the nails and close the magazine.

12 TECHNICAL DATA

Voltage	24 V
Nailer speed	100 shots/min
Magazine capacity	110 nails
Nail type	18GA
Nail size	1.25 mm x 1.05 mm

13 LIMITED WARRANTY

90-Day Warranty

Renewed/Refurbished products and batteries are protected against all defects in materials, parts or workmanship under normal use for a period of 90 days from the shipping date or in-store purchase date. All sales are final, no returns.

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.

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