

# greenworks

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IMPACT WRENCH

OPERATOR MANUAL



**E8038**

**IWD401**

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1 DESCRIPTION

1.1 PURPOSE

The machine is intended for driving in and loosening screws and bolts as well as for tightening and loosening nuts within the respective range of dimension.

1.2 OVERVIEW

Figure 1.

- |                        |                    |
|------------------------|--------------------|
| 1 1/2" Drive (Coupler) | 4 Speed Selection  |
| 2 LED work Light       | 5 Reversing button |
| 3 Switch trigger       |                    |

3 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.

3.1 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.

3.2 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.*

3.3 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 lapse of attention while operating power tools may result in serious personal injury.*
- **Use personal protection.** Always wear eye protection. *Protective products such as dust mask, non-skid safety shoes, hard hat or hearing protection used appropriately will reduce personal injuries.*
- **Prevent unintentional starting.** Ensure the switch is in the off position before connecting to power source and/or battery pack and when 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 over-reach.** 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, clothes 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.*

### 3.4 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 the battery pack 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.*

### 3.5 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 plenty of soap and water. If liquid contacts eyes, immediately 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.*

### 3.6 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.*







## 4 SAFETY WARNINGS

**Hold the 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.*

- Before any work on the machine (e.g., maintenance, tool change, etc.) as well as during transport and storage, set the rotational direction switch to the centre position. Unintentional actuation of the On/Off switch can lead to injuries.
- The battery is supplied partially charged. To ensure full battery capacity, completely charge the battery in the battery charger before using for the first time.
- Read the operating instructions of the battery charger.
- Apply the power tool to the screw/nut only when it is switched off. Rotating tool inserts can slip off.
- When working with an application tool, pay attention that the application tool is firmly seated on the tool holder. When the application tool is not firmly connected with the tool holder, it can come loose again and not be controlled.
- The torque depends on the impact duration. The maximum achieved torque results from the sum of all individual torques achieved through impact.
- Check the actually reached torque with a torque wrench.
- To save energy, only switch the power tool on when using it.




## 5 SYMBOLS ON THE PRODUCT

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


Symbol	Explanation
V	Voltage
	Direct current
	Read all safety warnings and all instructions.
	Safety alert
	Wear eye protection
	Wear ear protection
	Low speed
	High speed
	Do not touch rotating part.

6 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.


7 RECYCLE



Separate collection. You must not discard with usual household waste. If it is necessary to replace the machine, or if it is no more use to you, do not discard it with household waste. Make this machine available for separate collection.



Separate collection of used machine and packaging let you recycle materials and use them again. Use of the recycled materials helps prevent environmental pollution and decreases the requirements for raw materials.




Batteries  
Li-ion


At the end of their useful life, discard batteries with a precaution for our environment. The battery contains material that is dangerous to you and the environment. You must remove and discard these materials separately at a equipment that accepts lithium-ion batteries.

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 the parts are damaged or missing, contact the service center.

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

8.2 INSTALL THE BATTERY PACK

Figure 2.

**▲ 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 do 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.

**8.3 REMOVE THE BATTERY PACK***Figure 2.*

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***Figure 3.***i NOTE**

The machine can not work until the reversing button is pushed fully to the left or right. Do not operate the machine at low speeds for extended periods of time.

1. Push the switch trigger to turn the machine ON (I).

**9.2 STOP THE MACHINE***Figure 3.*

1. Release the switch trigger to turn the machine OFF (O).

**▲ WARNING**

Release the switch trigger and let the coupler to come to a complete stop.

**9.3 LED LIGHT***Figure 4*

The LED light illuminates when the trigger is depressed. It provides extra light for increased visibility.

**9.4 SPEED SELECTION**

Push the button (1) to adjust the speed. The lights (2) will illuminate according to the speed level.

*Figure 5.*

Lights	Speed level
3 Green Lights	The machine is in "high speed" setting.
2 Green Lights	The machine is in "medium speed" setting.
1 Green Light	The machine is in "low speed" setting.

**9.5 ADJUST THE REVERSING BUTTON**

The machine has the reversing button (forward/reverse lock) above the switch trigger to change the direction of the bit.

*Figure 6.*

1. When the reversing button is on the left side of the switch trigger, the bit direction is forward.
2. When the reversing button is on the right side of the switch trigger, the bit direction is reversible.
3. Put the direction button in the OFF (center lock) position to help decrease the possibility of accidental start when not operating.

**▲ WARNING**

Release the switch trigger and let the chuck come to a complete stop to stop the machine.

**▲ WARNING**

Let the chuck come to a complete stop before changing the direction of rotation.

**i NOTE**

The machine does not operate until the direction button is pushed fully to the left or right.

**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

Rated Voltage	24 V
No Load Speed	0 - 2800 min <sup>-1</sup>
Impact rate	0 - 4000 min <sup>-1</sup>
Max torque	400 Nm
Weight with battery	1.19 kg
Battery model	G24B2/G24B4 and other BAG series
Charger model	2913907 and other CAG series
Measured sound pressure level	84.3dB(A), K <sub>pA</sub> = 3 dB(A)
Measured sound power level	95.3 dB(A), K <sub>WA</sub> = 3 dB(A)
Vibration level	9.2 m/s <sup>2</sup> , K = 1.5 m/s <sup>2</sup>

The recommended ambient temperature range:

Item	Temperature
Appliance storage temperature range	32°F (0°C) - 113°F (45°C)
Appliance operation temperature range	32°F (0°C) - 113°F (45°C)
Battery charging temperature range	39°F (4°C) - 104°F (40°C)
Charger operation temperature range	39°F (4°C) - 104°F (40°C)
Battery storage temperature range	32°F (0°C) - 113°F (45°C)
Battery discharging temperature range	32°F (0°C) - 113°F (45°C)

12 WARRANTY

(The full warranty terms and conditions can be found on Greenworks webpage)

The Greenworks warranty is 4 years on the product, and 2 years on batteries (consumer/private usage) from the date of

purchase. This warranty covers manufacturing faults. A faulty product under warranty might be either repaired or replaced. A unit that has been misused or used in other ways then described in the owner’s manual might be rejected for warranty. Normal wear, and wear parts are not considered as warranty. The original manufacturer warranty is not affected by any additional warranty offered by a dealer or retailer.

A faulty product must be returned to the point of purchase in order to claim for warranty, together with the proof of purchase (receipt).