CHALLENGE
24V Li-Ion Cordless Blower

6997605
(Model: CLBL2406-1)

Original Manual



challenge®

After Sales Support
UK/Ireland
0343 515 1906

Important - Please read these instructions fully before starting assembly

These instructions contain important information that will help you get the best from your mower, ensuring it is assembled correctly and safely.
If you need help or have damaged or missing parts, call the Customer Helpline on 0343 515 1906 .

Apr 2017

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Safety Information

Important - Please read these instructions fully before starting assembly

Warning Symbols

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.



Warning!
Carefully read these Operating Instructions.



Danger due to materials blown out of machine!
Remove persons in the vicinity from the danger area.



Caution.
Rotating impeller wheel.
Keep hands away.



Remove the battery prior to servicing the appliance.



Do not use the device without the blower tube.



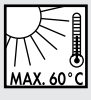
Do not expose the blower to moisture.



Wear eye and ear protection.



Do not dispose of batteries in household waste, fire or water.



Do not subject the battery to strong sunlight over long periods and do not leave it on a heater (max. 60°C).



Guaranteed noise power level.

Safety Information

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General Safety

WARNING

Never allow children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the machine, local regulations may restrict the age of the operator.

Read and understand all instructions before using this product. Failure to follow all instructions listed below may result in electric shock, fire, and / or serious personal injury.

- Know your blower. Read operator's manual carefully. Learn its applications and limitations, as well as the specific potential hazards related to this blower. Following this rule will reduce the risk of electric shock, fire, or serious injury.
- Do not leave blower unattended or running when turned on.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one blower may create a risk of injury when used on another blower.
- Do not handle battery or blower with wet hands.
- Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
- Turn off all controls before removing battery.

⚠ Safety Information

Important - Please read these instructions fully before starting assembly

General Safety（continued）

- Use Right Appliance - Do not use appliance for any job except that for which it is intended.
- Don’t Force Appliance - It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
- Use extra care when cleaning on stairs.
- Do not operate blowers in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Blowers create sparks which may ignite the dust or fumes.
- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- Keep children away - All visitors should be kept at a distance from work area.
- Before using the charger, read all the instructions and cautionary markings on the charger and battery pack.
- Do not attempt to charge battery packs other than supplied.The charger and battery pack supplied with it are specifically designed to work together.
- Charge the battery pack indoors only as the charger is designed for indoor use only.
- Do not charge non-rechargeable batteries.
- Protect the charger against moisture and wet conditions. There is a danger of electric shock.
- Ensure proper ventilation when charging.
- Do not use an extension cord unless it is absolutely necessary. The use of an improper extension cord could cause the risk of fire, electric shock or electrocution.

⚠ Safety Information

Important - Please read these instructions fully before starting assembly

General Safety（continued）

- Do not use the charger if it has been subjected to a heavy knock, dropped or otherwise damaged in any way. Have the charger checked and repaired by an authorised service centre.
- Do not disassemble the charger. Incorrect re-assembly may result in the risk of fire, electric shock or electrocution.
- Disconnect the charger from the power supply before attempting to clean it to reduce the risk of an electric shock. Removing the battery pack alone does not reduce the risk.
- Stay alert, watch what you are doing and use common sense when operating a blower. Do not use blower while tired, upset, or under the influence of drugs, alcohol, or medication. A moment of inattention while operating blowers may result in serious personal injury.
- Dress Properly - Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
- Secure long hair above shoulder level to prevent entanglement in moving parts.
- Avoid accidental starting. Be sure switch is in the locked or off position before inserting battery pack. Carrying blowers with your finger on the switch or inserting the battery pack into a blower with the switch on invites accidents.
- Use safety equipment. Always wear eye protection. Dusk mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

⚠ Safety Information

Important - Please read these instructions fully before starting assembly

General Safety（continued）

- Do not wear loose clothing or jewelry. Contain long hair. Loose clothes, jewelry, or long hair can be drawn into air vents.
- Do not use on a ladder, rooftop, tree, or other unstable support. Stable footing on a solid surface enables better control of the blower in unexpected situations.
- Do not use blower if switch does not turn it on or off. A blower that cannot be controlled with the switch is dangerous and must be repaired.
- For household use only.
- Remove or disconnect battery before servicing, cleaning or removing material from the gardening appliance. Such preventive safety measures reduce the risk of starting the blower accidentally.
- Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the blower's operation. If damaged, have the blower serviced before using. Many accidents are caused by poorly maintained blowers.
- Keep the blower and its handle dry, clean and free from oil and grease. Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any strong solvents to clean your blower. Following this rule will reduce the risk of loss of control and deterioration of the enclosure plastic.
- Always wear safety glasses with side shields. Everyday glasses have only impact resistant lenses. They are NOT

safety glasses. Following this rule will reduce the risk of eye injury.

- Always wear eye protection when operating this equipment.
- Use Safety Glasses - Always use face or dust mask if operation is dusty.
- Battery blowers do not have to be plugged into an electrical outlet; therefore, they are always in operation condition. Beware of possible hazards when not using your battery powered blower or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- Do not place battery powered blowers or their batteries near fire or heat. Do not dispose of the battery in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Do not crush, drop or damage the 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.
- Avoid Dangerous Environment - Don’t use appliances in damp or wet locations. Don't use in rain.
- Wear heavy long pants, long sleeves, boots, and gloves. Avoid loose garments or jewelry that could get caught in moving parts of the machine or its motor.
- Do not operate the equipment while barefoot or when wearing sandals or similar lightweight footwear. Wear

protective footwear that will protect your feet and improve footing on slippery surfaces.

- Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- Do not charge blower battery in a damp or wet location. Following this rule will reduce the risk of electric shock.
- Don't Overreach - Keep proper footing and balance at all times. Overreaching can result in loss of balance.
- Check the work area before each use. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the machine.
- Check Damaged Parts - Before further use of the appliance, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless indicated elsewhere in this manual.
- Do not point the blower nozzle in the direction of people or pets.
- Never run the unit without the proper equipment attached. Always ensure the blower tubes are installed.
- Store Idle Appliances Indoors - When not in use, appliances should be stored indoors in dry, and high or

locked-up place - out of reach of children.

- Do not store outside or in vehicles.
- Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention. Following this rule will reduce the risk of serious personal injury.
- Do not incinerate this blower even if it is severely damaged. The battery can explode in a fire.
- Blower service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel may result in a risk of injury.
- When servicing a blower, use only identical replacement parts. Following instructions in the MAINTENANCE section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.
- Never use any blower near fire or hot ashes. Use near fires or ashes can spread fires and result in serious injury and/or property damage.
- Never use blower to spread chemicals, fertilizers, or any other toxic substances. Spreading these substances could result in serious injury to the operator or bystanders.
- Never place blower on any surface, except a hard, clean surface when motor is running. Gravel, sand, and other debris can be picked up by the air inlet and thrown at the operator or bystanders, causing possible serious injuries.

Child safety

Tragic accidents can occur if the operator is not aware of the presence of children.

- Keep children out of the working area and under the watchful care of a responsible adult.
- Do not allow children under the age of 14 to operate this hedger. Children who are 14 years of age and older must read and understand the operating instructions and safety rules in this manual and must be trained and supervised by a parent.
- Stay alert, and turn the hedger off if a child or any other person enters the working area.
- Look behind and down for small children before and while working backwards.

⚠ WARNING

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.

Safety Information

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Frequent Maintenance

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

Symbol	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.

Service

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician.

WARNING

To avoid serious personal injury, do not attempt to use this product until you have read this owner's manual thoroughly and understand it completely. If you do not understand the warnings and instructions in this owner's manual, do not use this product. Call the Toll-free Helpline for assistance. The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before operating a power tool, always wear safety goggles, safety glasses with side shields, or a full face shield when needed.

WARNING



The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses

with side shields and, when needed, a full face shield. We recommend wide vision safety mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection.

Save these instructions

- Do not dismantle, open or shred battery packs.
- Do not expose battery packs to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit a battery pack. Do not store battery packs.
- Retain the original product literature for future reference.
- Use only the battery pack in the application for which it was intended.
- When possible, remove the battery pack from the equipment when not in use.
- Dispose of properly.
- Do not attempt to charge the battery pack with any other charger than the one supplied. The charger and battery pack supplied with it are specifically designed to work together.
- Charge and store the battery pack in an ambient temperature of 18 - 24°C (65 - 75°F) to ensure the longest battery life and best performance. Do not charge or store the battery pack in temperatures below 0°C (32 °F) and above 45°C (113 °F).in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
- Do not remove battery packs from its original packaging



Important - Please read these instructions fully before starting assembly

Battery Safety（continued）

until required for use.

- Do not subject battery packs to mechanical shock.
- In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Do not use any charger other than that specifically provided for use with the equipment.
- Observe the plus (+) and minus (-) marks on the battery pack and equipment and ensure correct use.
- Do not use any battery pack which is not designed for use with the equipment.
- Do not mix battery packs of different manufacture, capacity, size or type within a device.
- Keep battery packs out of the reach of children. Seek medical advice immediately if a battery pack has been swallowed.
- Always purchase the correct battery pack for the equipment.
- Keep battery packs clean and dry.
- Wipe battery pack terminals with a clean dry cloth if they become dirty.
- Rechargeable battery packs need to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
- Do not leave a battery pack on prolonged charge when not in use.



Important - Please read these instructions fully before starting assembly

Battery Safety（continued）

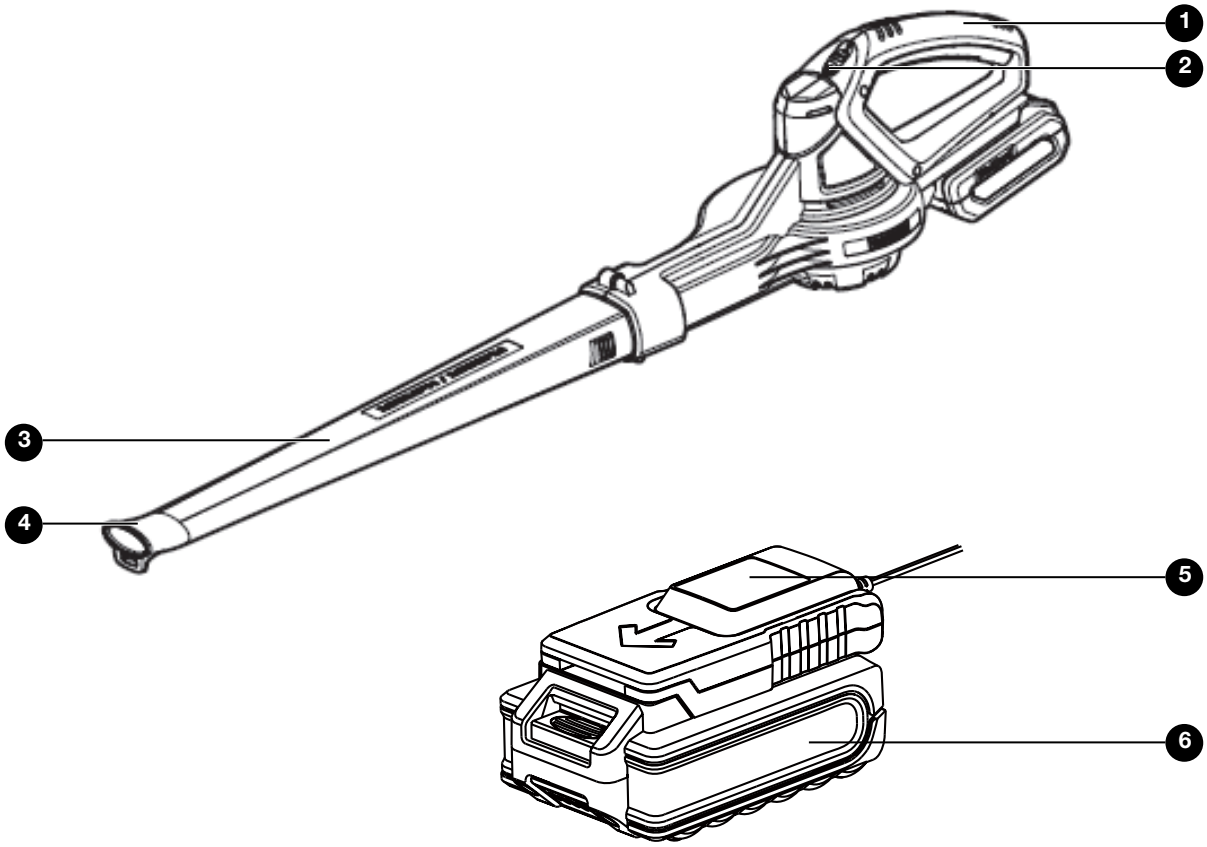
- After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
- Battery packs give their best performance when they are operated at normal room temperature (20 °C ± 5 °C).
- Never attempt to open the battery pack for any reason. If the housing of the battery pack breaks open or cracks, immediately discontinue its use and do not recharge it.
- Do not pierce the battery with nails, strike the battery with a hammer, step on the battery or otherwise subject it to strong impacts or shocks.
- Protect the battery pack against heat. Do not place the battery in direct sunlight or use or store the battery inside cars in hot weather. Doing so may cause the battery to generate heat, explode or ignite.
- Never try to charge a battery pack that is cracked or damaged in any other way. There is a danger of electric shock or electrocution.

In the Box

Parts

1. Handle
2. Power Switch
3. Blower Tube
4. High Velocity Tip
5. Battery Charger
6. 24V, 2.0 Ah Lithium- Ion Battery

1



Know your blower (Fig. 1)

The safe use of this product requires an understanding of the information on the product and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

Cordless blower

The cordless blower has an ultra-lightweight design which is great for extended use and creates less fatigue.

Blower tube

The blower tube can be easily installed on the blower without any additional tools.

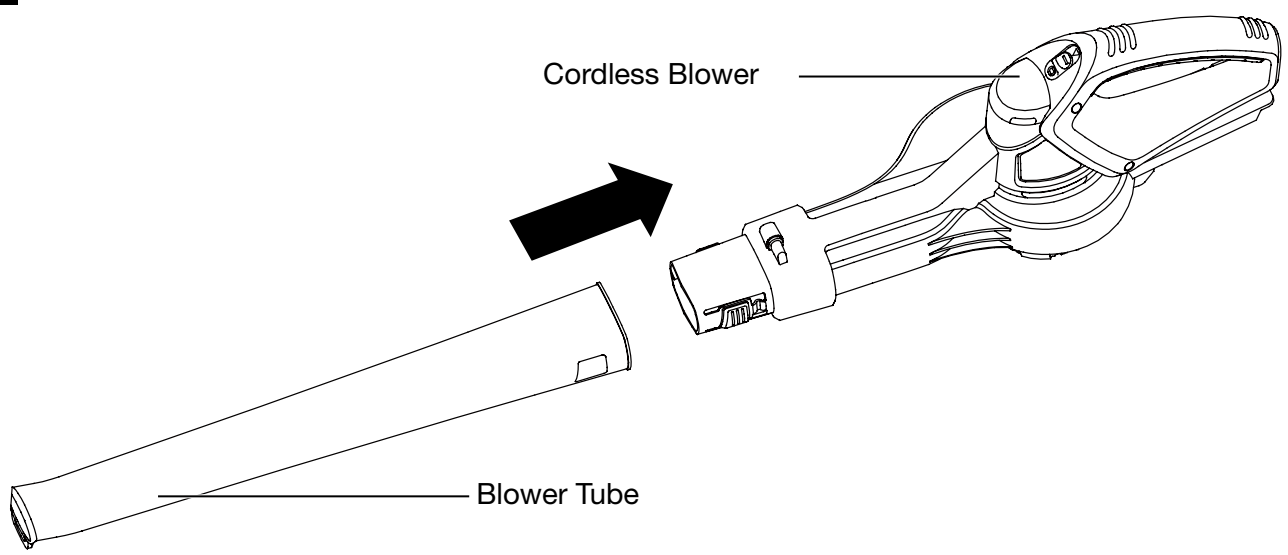
Assembly

Blow Tube Assembly

For blowing (Fig. 2):

- Align the widest end of the blower tube with the front opening on the blower.
- Slide the nozzle over the blower outlet opening until the latch on the blower is inserted into the opening on the nozzle and snaps into place.

2



Battery

IMPORTANT! The battery pack is not charged when it is purchased. Before using the blower for the first time, place the battery pack in the battery charge and charge for 3-5 hour. Make sure to read all safety precautions, and follow the instructions in the Battery and Charger section. With regular use, it will need shorter charging time. If storing for a prolonged period of time, remove the battery. When ready to use again, charge the battery pack for at least 3-5 hour again.

To remove (Fig. 3)

- Press the release button on the battery pack and remove it from the product.
- Grasp the blower firmly, and pull the battery pack out of the handle.

NOTE: The battery pack fits into the bottom of handle snugly in order to prevent accidental dislodging. It may require a strong pull to remove it.

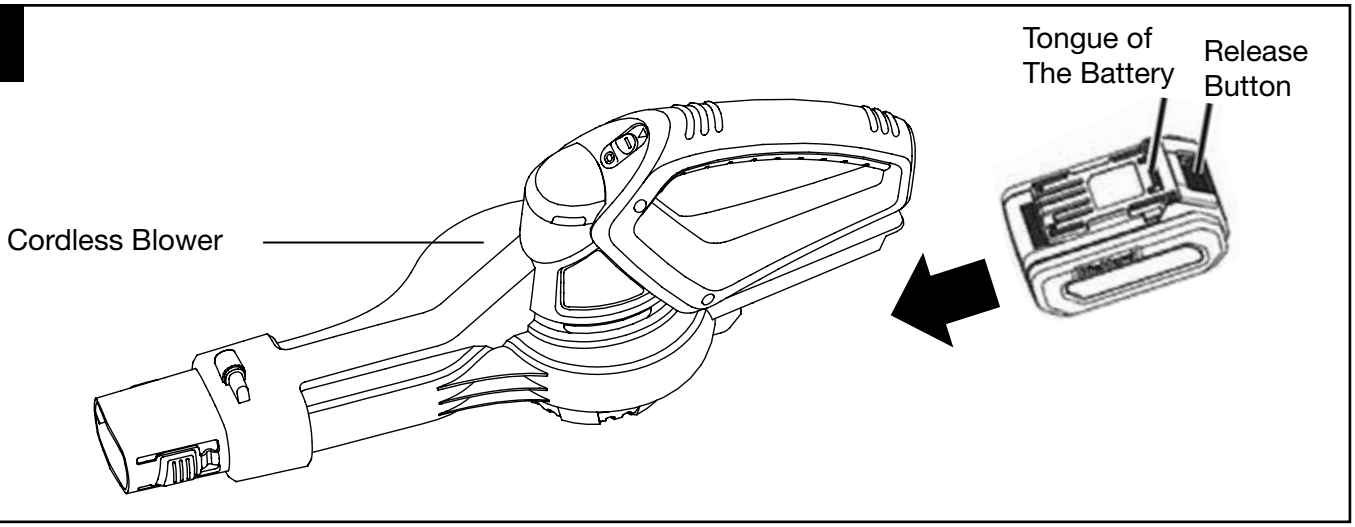
To install (Fig. 3)

- Align the tongue of the battery pack with the cavity in the blower housing.
- Grasp the blower firmly.
- Push the battery pack into the handle until the latch locks into place.
- Do not use force when inserting the battery pack. It should slide into position and “click”.

Assembly

Blow Tube Assembly（continued）

3



WARNING

Follow these instructions in order to avoid injury and to reduce the risk of electric shock or fire:

- Replace the battery pack or the charger immediately if the battery case or charger cord is damaged.
- Verify that the switch is in the OFF position before inserting or removing the battery pack.
- Verify that the battery pack is removed and the switch is in the OFF position before inspecting, adjusting, or performing maintenance on any part of the blower.
- Read, understand, and follow the instructions contained in the section entitled Battery Charging Procedure.

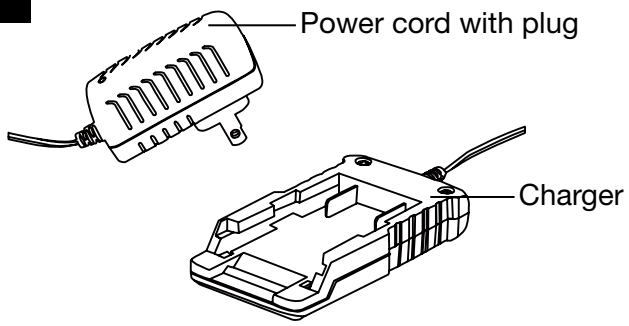
Assembly

Fitting and Removing the Battery

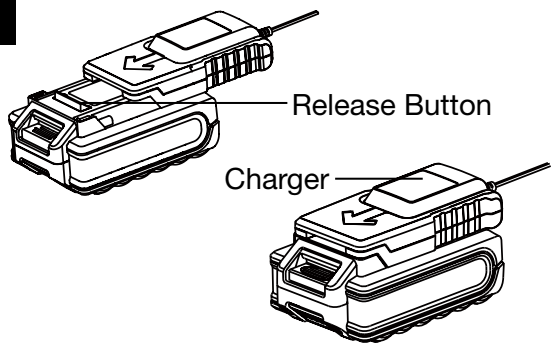
Become familiar with the charger (Fig. 4)

Before attempting to use this charger, become familiar with all of its operating features and safety requirements.

4



5



Charging the battery pack (Fig. 5)

WARNING

- If any part of the charger is missing or damaged, do not operate it until the part is repaired or replaced. Failure to heed this warning could result in possible serious injury.
- Check the voltage! The voltage must comply with the information on the rating label!

Battery charging procedure:

- Align the battery pack to the slots on the charger and slide it in until it locks in place.
- Connect the charger to the power supply.
- Allow sufficient charging time (3-5 hours), and then disconnect the charger from the power supply.
- Press the release button on the battery pack and remove battery from charger.

NOTE: It is normal for the battery pack and charger to become warm (but not hot) during charging process. If the battery does not charge properly, check to make sure the electrical outlet is "live".

NOTE: Always charge the battery before storage! To reduce risk of fire, never leave the battery connected with the charger for more than 24 hours!

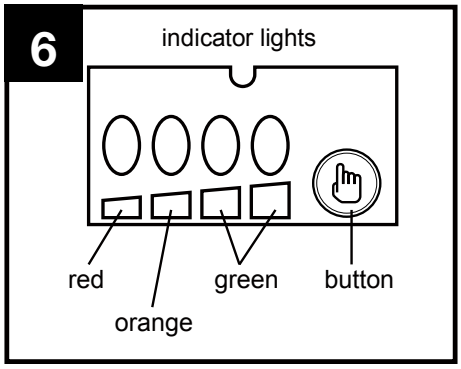
Assembly

Fitting and Removing the Battery（continued）

Battery led indicators (Fig. 6)

• Check the battery pack capacity pressing the button.

LEDs on battery (Continuous lighting)	Battery Capacity
4 LEDs (inc 2 green)	Fully charged
3 LEDs (inc 1 green)	≥ 50%
2 LEDs (orange & green)	≥ 25%
1 LEDs (red only)	≤ 25% Recharge required



Starting and stopping

• Make sure the on/off switch is in its off position.

• Attach the battery pack to the product. Ensure it snaps in place.

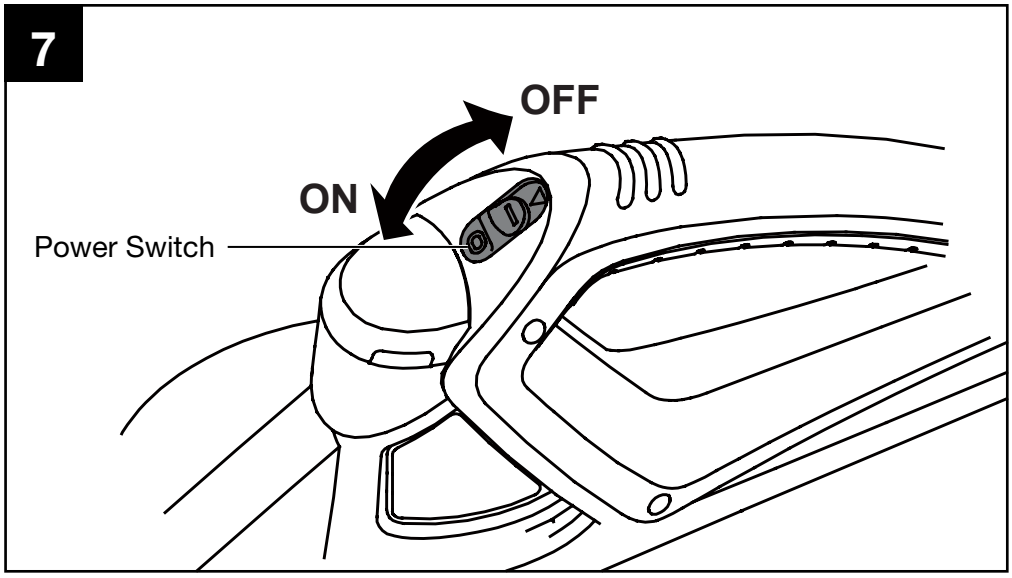
• Your product is now ready to be used.

Operating Instructions & Tips

ON/OFF Operation

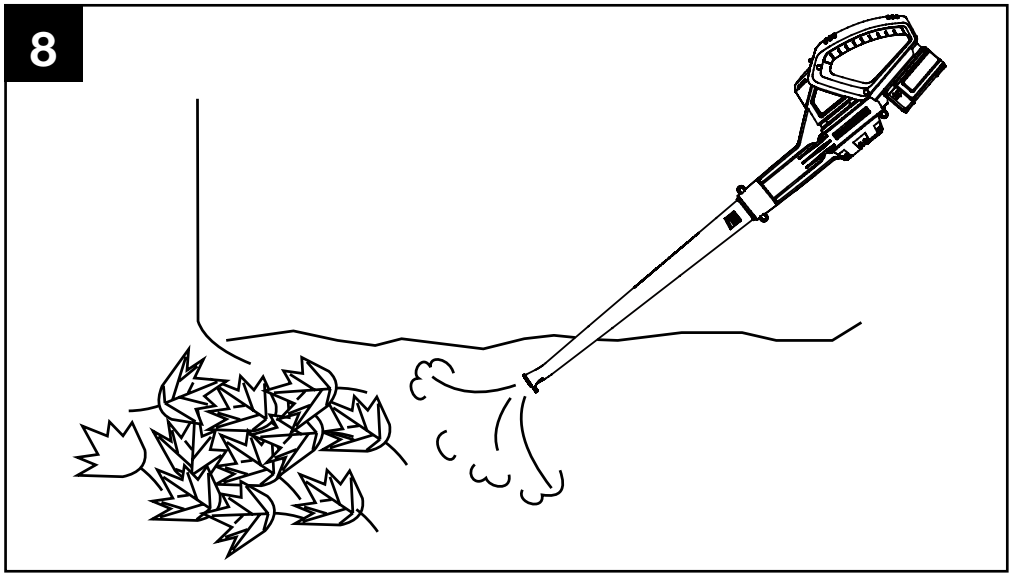
Starting/stopping the blower (Fig. 7)

- To start the blower, place the power switch in the ON (I) position.
- To stop the blower, place the power switch in the OFF (O) position.



Use the blower (Fig. 8)

- Blow debris or grass clippings off of driveways, sidewalks, patios, parks, parking lots, etc.
- Gather grass clippings, straw, or leaves into piles. Remove debris from comers, around joints, and between bricks.



NOTE: Your Challenge blower is designed to sweep and clean hard surfaces; such as patios, driveways, decks, garages and sidewalks.

Maintenance

General Maintenance

WARNING

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

Always wear eye protection, along with hearing protection. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.

To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.

Cleaning

- Remove the battery pack.
- Brush or blow dust and debris out of the air vents using compressed air or a vacuum. Keep the air vents free of obstructions, sawdust, and wood chips. Do not spray, wash, or immerse the air vents in water.
- Wipe off the housing and the plastic components using a moist, soft cloth. Do not use strong solvents or detergents on the plastic housing or plastic components. Certain household cleaners may cause damage, and may cause a shock hazard.

Battery pack

- Store the battery pack fully charged.
- Recharge the battery pack whenever there is a noticeable reduction in the performance. Do not allow the battery pack to become completely discharged.
- Do not recharge a battery pack that is already fully charged. Overcharging shortens battery life.
- Once the battery pack is fully charged, remove the battery from the charger and disconnect the charger from the outlet.
- Do not store the battery pack on the tool or in the charger.
- Recharge the battery at a temperature between 5°C and 50°C. If the battery pack is hot, allow it to cool down before recharging.

Charger maintenance

- Keep the charger clean and clear of debris. Do not allow foreign material into the recessed cavity or on the contacts. Wipe with a dry cloth. Do not use solvents, water, or place in wet conditions.
- Always unplug the charger when there is no battery pack in it.
- Give the batteries a full charge before placing in storage. Do not recharge a fully charged battery pack. Overcharging shortens the battery life.
- Recharge the battery pack whenever there is a noticeable reduction in the performance. Never let the batteries become completely discharged.
- Keep the charger stored in normal room temperature. Do not store it in excessive heat. Do not use in direct sunlight.
- Disconnect the charger from the AC power outlet when not in use and once battery has reached a full charge.

Troubleshooting

General Troubleshooting

Suspected malfunctions, are often due to causes that the user can fix themselves. Before check the product using this section. In most cases the problem can be solved quickly.

WARNING

Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorized service center or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible Cause	Solution
Motor fails to start when power switch is turned on.	Battery is not secure.	To secure the battery pack, make sure the latches on the top of the battery pack snap into place.
	Battery is not charged.	Charge the battery pack according to the instructions included with your model.
Unit will not start.	Defective power switch.	If within warranty period return product to retailer of purchase.
Unit will not blow.	Blocked tube.	Clear the blockage.

Technical Data

Technical Data Table

Specification	Value
Battery	24Vd.c., 2.0Ah Lithium-Ion
Max air volume	2.8 m^2/min
Max air speed	53 m/s
Weight	1.13kg without battery
Charger model no	HYCH0132400500B
Rated Input voltage	100-240VAC 50-60Hz
Rated output voltage	24 V
Rated output current	500 mA
Charging time	approx. 4-6H
Emssion sound pressure Level LpA	74 dB(A) K=3 dB(A)
Sound Power Level	96 dB(A)
Vibration	$\leqslant$ 2.5 m/s^2
Insulation protection class of charger	⧈ II

Disposal

Disposal and Recycling



Do not dispose with household waste.

Recycle products and components according to local legal requirements.

Getting Help

After sales helpline number: 0343 515 1906