



Cordless Tiller

User Manual and Operating Instructions

Item Number: 21390



Preferred Living

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Fig.1

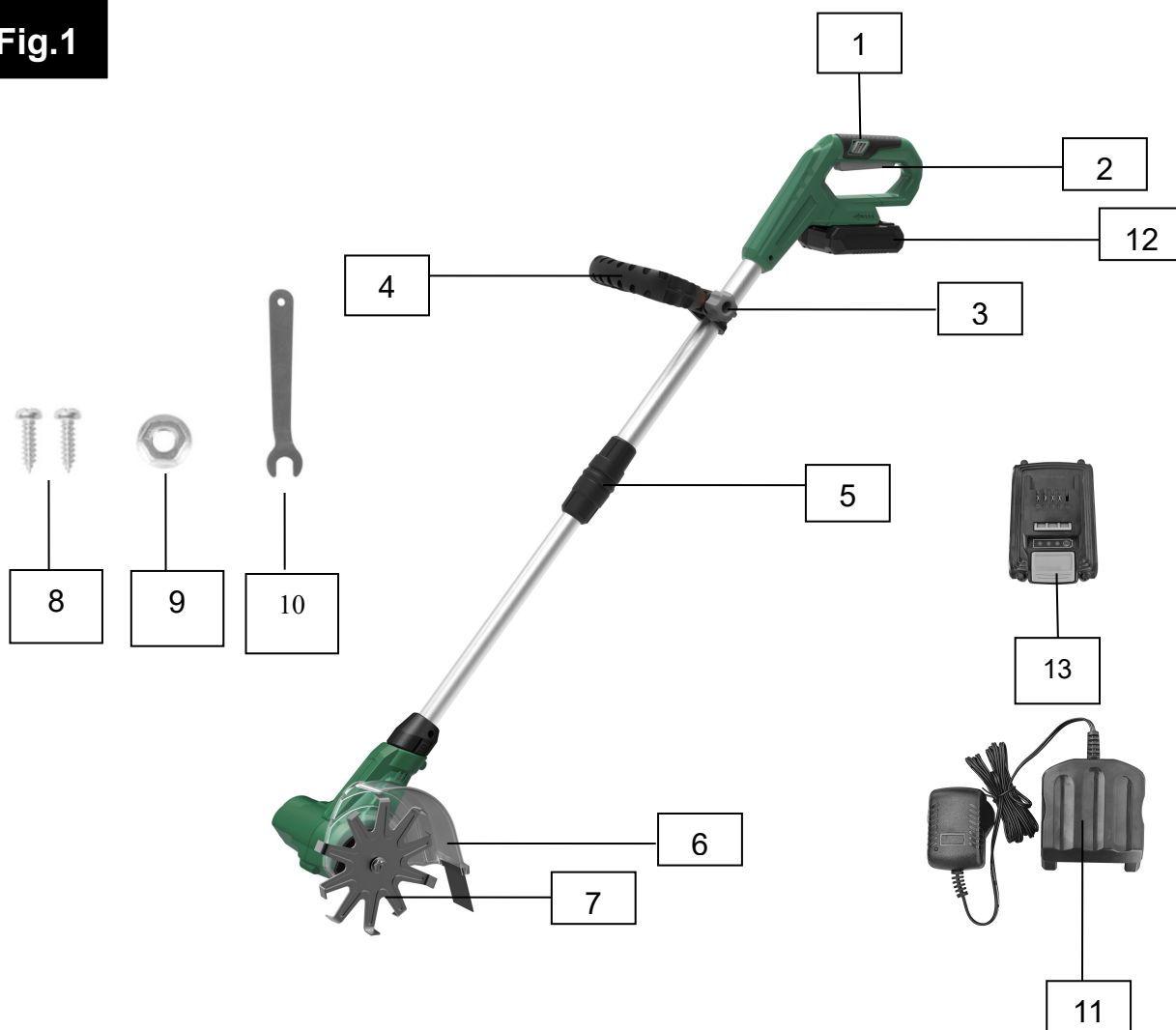


Fig.2



Fig.3



Fig.4



Fig.5



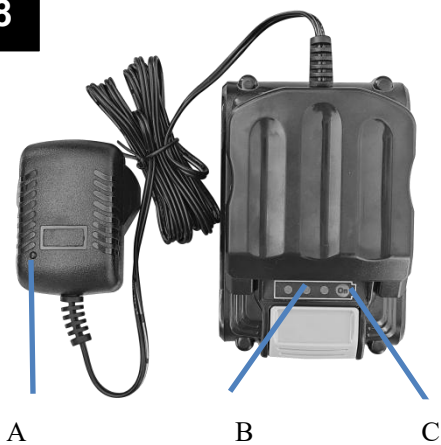
Fig.6



Fig.7



Fig.8



Safety warnings

All Operators Must Read These Instructions Before Use. These instructions are for your safety. Please read through them thoroughly before use and retain them for future reference.

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 battery-operated (cordless) power tool.

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.

Electrical safety

1. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
2. If operating a power tool in a damp location is unavoidable, take extra precautions to avoid electric shock.

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 can 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 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.

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. 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.

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 a fire.
- **Battery chemicals cause serious burns** – Never let a damaged battery pack contact the skin, eyes or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to safely dispose of it. If skin is exposed to battery fluids, wash the affected area with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.
- **Do not open the rechargeable battery.** The rechargeable battery can be damaged by improper handling.
- **Do not expose the rechargeable battery to heat, fire, water and humidity.** There is a danger of explosion.
- **Vapors may escape in case of damage or improper use of the rechargeable battery. Provide good ventilation and seek medical assistance in case any symptoms occur.** The vapors can irritate your respiratory tract and cause illness.

Tips for maintaining maximum battery life

1. Charge the battery cartridge before completely discharging. Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
3. Charge the battery cartridge with room temperature at 10 °C – 40 °C (50 °F – 104 °F). Let a hot battery cartridge cool down before charging it.
4. Charge the battery cartridge if you do not use it for a long period (more than six months).

Important safety instructions for Charger

1. Use only the voltage specified on the charger.
2. Before charging the battery, first connect the power cable to the outlet and then connect the battery pack to the charger. After the battery has been fully charged, disconnect the power supply after removing the battery pack from the charger.
3. Use indoors only, avoid water, rain and moisture.
4. The charger charges the following battery packs.

Battery charger Model number.	Battery pack	
	Model	Volt
8066-CHA	DC11-2100500U	100-240V AC,50/60HZ
<ul style="list-style-type: none">• Do not charge non-rechargeable batteries with this device.		

Do not lose these safety instructions

Further safety information



Make yourself familiar with all parts of the device and the correct operation of the device before you start working. Make sure that you can switch off the device immediately in an emergency. Improper use can lead to serious injuries.

- . The device must not be used by children. Laws and local regulations may stipulate a minimum age for use. Likewise, people who are not fully familiar with the operating instructions are prohibited from working with the device.
- . Only operate the device in daylight or in good artificial light conditions.
- . Watch out for open windows, children, pets, etc. Stop working when children and pets are nearby; the blown material may be thrown in their direction. Keep a safe distance of 5 m around you.
- . Do not switch on the device if it is held upside down or if it is not in the working position.
- . Do not point the device at people during operation, in particular not point the air jet at eyes or ears.
- . Familiarize yourself with your surroundings and pay attention to possible dangers that may not be heard while working. Make sure you have a secure footing when working, especially on slopes.
- . Walk at a walking pace, do not run.
- . Carefully inspect the area to be cleaned and remove all wires, stones, cans and other foreign objects.
- . Keep fingers and feet away from the pipe opening and impeller. There is a risk of injury.
- . Only use the device when it is fully assembled.
- . Only use replacement parts and accessories that are supplied and recommended by our service center.
- . Turn off the device:
 - when you are not using the device, transporting it or leaving it unattended;
 - when you carry out cleaning or maintenance work or change accessories;
 - after contact with foreign objects or abnormal vibration
- . Keep all inlets for the cooling air free from debris.

What to do in the event of an accident

Use these operating instructions to familiarize yourself with the use of this product, memorize the safety instructions and be sure to adhere to them. This helps to avoid risks and dangers.

- a) Always be attentive when using this product, so that you can recognize dangers early and act. Intervening quickly can prevent serious injuries and property damage.
- b) If the product malfunctions, switch it off immediately and remove the battery or disconnect the charger from

the power supply. Have this checked by a qualified specialist and, if necessary, repaired before you put it back into operation.

Restriction

Even if you use this power tool properly, certain residual risks cannot be ruled out.

The following dangers can arise in connection with the construction of the machine:

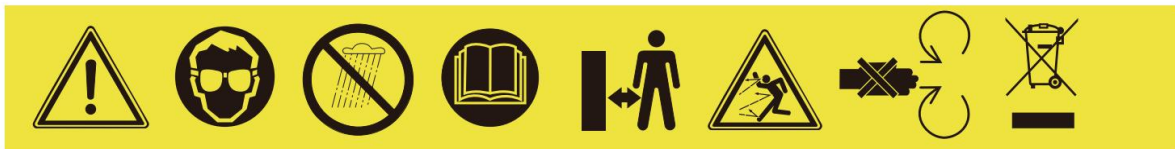
- Lung damage if an appropriate protective mask is not worn.
- Hearing damage if adequate hearing protection is not worn.
- Health damage from hand-arm vibrations if the machine is used over a long period of time and is not properly operated and maintained

Warning! The power tool generates an electromagnetic field during operation. Under certain circumstances, this field can actively or passively affect medical implants. To reduce the risk of serious injury or death, we recommend that people with medical implants consult their doctor and the manufacturer of the medical implant before using the device.

Symbols

Symbols in the operating instructions

The function of the control units can be found in the following descriptions



1.

WARNING! The following warning symbols are displayed on the appliance to remind you of the safety precautions

you should take when operating it.

2. Wear protective equipment. Always wear safety glasses.
3. WARNING - Do not expose to rain.
4. Read the instruction manual completely before using the power tool.
5. Keep bystanders away!
6. WARNING! Dangerous feed orifice. Keep hands and feet out of the openings while the machine is running and wait until moving parts have stopped moving.
7. The product should not be disposed of with other household waste. Follow the disposal instructions within the instruction manual.

Intended Use

The device is designed to loosen the soil in the garden, do not use on hard surfaces such as cement.

Equipment designed for use in private and hobby gardens is regarded as unsuitable for use in public facilities, parks and sports centers, along roadways, or in agriculture and forestry. The operating instructions as supplied by the manufacturer must be obeyed to ensure that the equipment is used properly.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

Description of parts (Fig.1)

1. Safety lock-off
2. On/Off switch
3. Adjustment lock for turning the handle
4. Additional handle
5. Height adjustment
6. Guard hood
7. Blade
8. Screw
9. Nut
10. Open-ended wrench
11. Charger
12. Battery pack
13. Battery release button

Technical specifications

Voltage	20V DC
Battery type	Lithium-Ion
Battery capacity	2000mAh
Charging time	3-5 hours
No load speed	200/min
Telescopic Handle Range	920-1200mm
Blade Diameter	150mm

Before you start

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices, if applicable.
3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.
5. **WARNING!** The product and the packaging are not children's toys! Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

Assembly

Before using the product, familiarize yourself with the operating features read the entire instruction manual paying particular attention to the safety rules and operating procedures.

- 1, Connect the upper part of the housing and the bottom part of the housing together. (Fig.2)
- 2, Fit the guard hood and secure with the two screws provided. (Fig.3)

- 3, Fit the blade by inserting it on the drive axle. Insert the washer then the screw nut and secure using the wrench (supplied). (Fig.4)
- 4, Adjust the height by unscrewing the adjustment screw until the pole moves freely; select the desired working height then re-secure. (Fig.5)
- 5, Adjust the handle by loosening the securing screw, position as required then retighten. (Fig.6)

Installing the battery

Press the release button of the battery pack as shown in (Fig.1/Item13) and push the battery pack into the mount provided. Make sure that the buttons latch in place! To remove the battery pack, proceed in reverse order.

Charging the battery

1. Remove the battery from the machine. Press the battery release button (Fig.1/ Item 10)
2. Slide the charging dock onto the battery as shown in the image (Fig.7) and plug the charger into a power socket. The red light (Fig.8/Item A) on the plug will turn on to indicate charging is underway.
3. The charger will stop charging once the battery is fully charged (after approximately 3-5 hours). Press the red button (Fig.8/Item C) on the battery to check the current charge level. Switch off the power source and remove the battery from the charger.

Battery capacity indicator




Press the switch (Fig.8/Item C) for the battery capacity indicator (Fig.8/Item B). The battery capacity indicator shows the charge status of the battery using 3 LEDs.

All 3 LEDs are lit: The battery is fully charged.

2 LED(s) are lit: The battery has an adequate remaining charge.

1 LED is lit: The battery has low capacity and requires charging.

The charger may become warm when charging; this is normal and does not indicate a fault with the charger.

 	<p>WARNING! The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts!</p> <p>Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product!</p> <p>Do not connect the battery pack to the product before it is completely assembled!</p>
	<p>NOTE: Take care of small parts that are removed during assembly or when making adjustments. Keep them secure to avoid loss.</p>

Operation

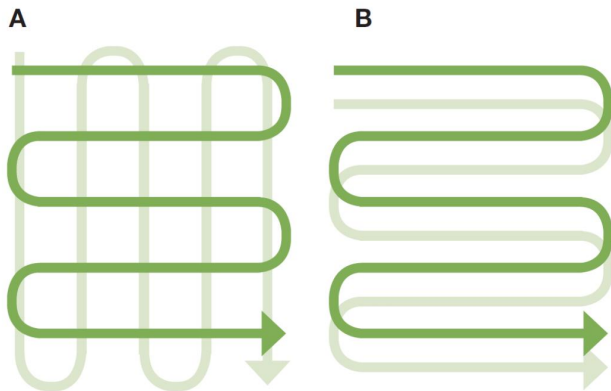
1. Make sure that the battery is full charged.
2. Check that the machine is in good condition and blades are debris free.
3. Make sure that you feel comfortable holding it before you switch it on.
4. Switch the machine on by pressing the safety switch then squeeze the handle to start tilling.
5. When you let go of the handle the machine will stop.
6. Always hold the product by the handles, keep the handles dry to ensure safe support.

7. Do not over work yourself. Take regular breaks to ensure you can concentrate on the work and you have full control over the product.
8. Guide the tiller carefully around the area you wish to till.
9. Do not allow the machine to overheat. If it does switch it off for at least 30 minutes and allow to cool.
10. To prolong the life of the blade a small amount of 3 in 1 oil may be used to lubricate.

For preparing seed beds, we recommend using one of these tilling patterns:

Tilling Pattern A – Make two passes over area to be tilled, the second at a right angle to the first.

Tilling Pattern B – Make two passes over area to be tilled, the second overlapping the first.



Maintenance and Storage

Keeping your tiller in top running condition will prolong its life and help you obtain optimum performance whenever you wish to till your garden.

Clean the tiller underneath the tine shield after each use. It is easier to clean off soon after use before it has had time to dry. Turn the engine off and allow it to cool down before cleaning off the tines and wiping with an oily cloth.

Li-Ion battery care & maintenance

Lithium-Ion rechargeable batteries require routine maintenance and care in their use and handling. Read and follow the guidelines to safely use Lithium-Ion batteries and achieve the maximum battery life span.

- Do not leave batteries unused for extended periods of time, either in the machine or in storage. When a battery has been unused for 3 months or more, check the charge status and charge or dispose of the battery as appropriate.
- The typical estimated life of a Lithium-Ion battery is about two years or 300 charge cycles, whichever occurs first. One charge cycle is a period of use from fully charged, to fully discharged, and fully recharged again.
- Rechargeable Lithium-Ion batteries have a limited life and will gradually lose their capacity to hold a charge. This loss of capacity (aging) is irreversible. As the battery loses capacity, the length of time it will power the product (run time) decreases.
- Lithium-Ion batteries continue to slowly discharge (self-discharge) when not in use or while in storage. Routinely check the battery's charge status.

- Carefully monitor batteries that are approaching the end of their estimated life.
- Consider replacing the battery with a new one if you note either of the following conditions: The battery run time drops below about 60% of the original run time. The battery charge time increases significantly.
- If a battery is stored or otherwise unused for an extended period, follow the storage instructions. If damaged, do not attempt to recharge it or to use it. Replace it with a new battery.

Disposal

Disposal of the appliance



A crossed-out wheeled bin icon means: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or local store for recycling regulations.

- Do not dispose of electrical appliances as unsorted municipal waste. Use separate collection facilities.
- Contact your local government agency for information regarding the collection systems available.
- If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least free of charge. The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is functioning properly. Recycle the package afterwards or keep it for long-term storage.



Battery Caution + Disposal



Always dispose of your battery pack according to federal, state, and local regulations. Contact a recycling agency in your area for recycling locations.

CAUTION! Even discharged battery packs contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery pack from shorting, which could cause a fire or explosion.

Service + Support:

If power tool requires service or maintenance, please contact Sporty's Preferred Living customer service at 1-800-776-7897 or via email at PreferredLiving@sportys.com