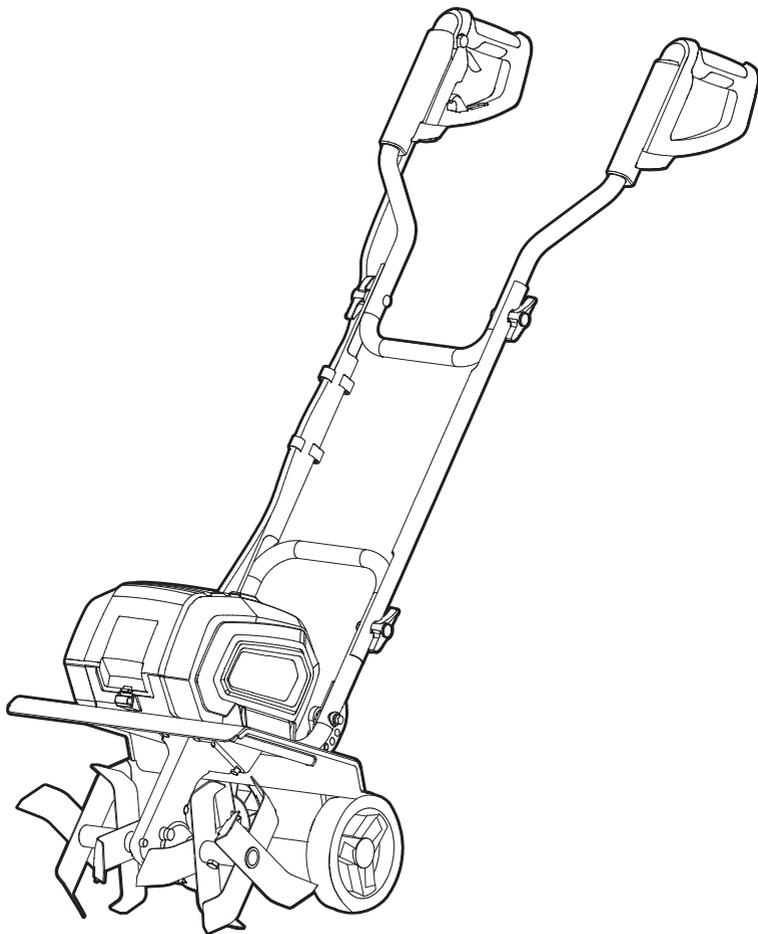


STEELITE

DG552

14-INCH CORDLESS TILLER



Please read this manual carefully before use
and keep it in a safe place

Introduction

Thanks for purchasing the Tiller. We know you are excited to put your tool to work, but first, please take a moment to read through the manual. Safe operation of this tool requires that you read and understand this operator's manual and all the labels affixed to the tool. This manual provides information regarding potential safety concerns, as well as helpful assembly and operating instructions for your tool.



Indicates danger, warning, or caution. The safety symbols and the explanations with them deserve your careful attention and understanding. Always follow the safety precautions to reduce the risk of fire, electric shock or personal injury. However, please note that these instructions and warnings are not substitutes for proper accident prevention measures.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. STEELITE reserves the right to change this product and specifications at any time without prior notice.

At STEELITE, we are continuously improving our products. If you find that your tool does not exactly match this manual, please visit service@steelitetool.com for the most up-to-date manual or contact our customer service at +1 888-909-8850.

Keep this manual available to all users during the entire life of the tool and review it frequently to maximize safety for both yourself and others.

Specifications

Model	DG552
Included Battery	2x20V \equiv 4.0Ah Battery
Included Charger	20V \equiv 1.5A DC
No Load Speed	175 RPM
Working Width	14.2 Inches
Blade Diameter	8.1 Inches
Working Depth	8.7 Inches
Product Weight	19.8 Pounds (Without Batteries and Charger)
Product Dimensions	44.9 in. x 14.4 in. x 37.0 in.

NOTE: For the best results with this product, we recommend using a battery with a capacity of 4Ah or higher.

General safety rules

 **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.

Safety is a combination of common sense, staying alert and knowing how your item works. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE SAFETY INSTRUCTIONS.

WORK AREA SAFETY

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. 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.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. 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.
2. 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.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. 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.

6. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.

PERSONAL SAFETY

1. 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.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as a respiratory mask, non-skid safety shoes and hearing protection used for appropriate conditions will reduce the risk of personal injury.
3. 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.
4. 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.
5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

General safety rules

 **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.

Safety is a combination of common sense, staying alert and knowing how your item works. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

SAVE THESE SAFETY INSTRUCTIONS.

7. 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.

POWER TOOL USE AND CARE

1. 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.

2. 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.

3. 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.

4. 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.

5. 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.

6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

7. 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.

8. Use clamps to secure your workpiece to a stable surface. Holding a workpiece by hand or using your body to support it may lead to loss of control.

9. KEEP GUARDS IN PLACE and in working order.

SERVICE

1. 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.

Tiller safety warnings

 **WARNING!** Do not operate the power tool until you have read and understood the following instructions and the warning labels.

TILLER SAFETY

- 1. TURN OFF AND REMOVE THE BATTERY** from the unit when not in use or when servicing or cleaning. Do not leave unattended.
- 2. ONLY USE THE TOOL FOR ITS INTENDED PURPOSE** - Do not use this product for any job except that for which it is intended.
- 3. DO NOT OVERREACH** - Guide the tiller at a walking pace only. Keep proper footing and balance at all times.
- 4. LIGHTING** - Only operate your tiller in daylight or good artificial light.
- 5. STORE IDLE UNIT INDOORS** - When not in use, the tiller should be stored indoors, in a dry area, and out of the reach of children.
- 6. MAINTAIN UNIT WITH CARE** - Keep clean for best performance and to reduce the risk of injury. Keep handles dry, clean, and free from oil.
- Do not operate the tiller on a slope that is too steep for safe operation. When on slopes, slow down and make sure you have stable footing.
- Before starting the tiller make sure the tines are not touching any object and are free to move.
- Grip the guide bar firmly with both hands. Never operate the tiller with one hand.
- 10. STAY ALERT** - Watch what you are doing. Use common sense. Do not operate the tiller when you are tired or under the influence of drugs, alcohol, or medication
- If the tiller strikes a foreign object, turn it off immediately, wait for the tines to stop, and check for damage. If necessary, repair before restarting.
- If the tiller starts to vibrate abnormally, turn it off immediately and check for the cause. Excessive vibration is generally a sign of a malfunction or damaged parts.
- Before carrying out any maintenance or repairs, always turn the tiller OFF, remove the battery from the unit, and wait until the tines come to a complete stop.

14. KEEP AWAY FROM WATER - Do not expose the tiller to wet or rainy conditions. Never operate the tiller with wet hands. Both can increase the risk of shock, personal injury, or tool damage.

 **CAUTION!** Tines do not stop immediately after the tiller is turned off.

 **CAUTION!** The tiller may bounce upward or jump forward if the tines strike extremely hard packed soil, frozen ground, or buried obstacles such as large stones, roots or stumps.

 **WARNING!** Do not operate the tiller near underground electrical cables, telephone lines, pipes or hoses.

 **DANGER!** RISK OF CUT - Wear gloves and use caution when cleaning or performing maintenance on the tiller.

 **CAUTION!** Risk of injury. Do not put hands, feet, or any body part or clothing near the rotating tines.

 **WARNING!** Some dust and debris created by the use of this tool could contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Some examples of these chemicals are:

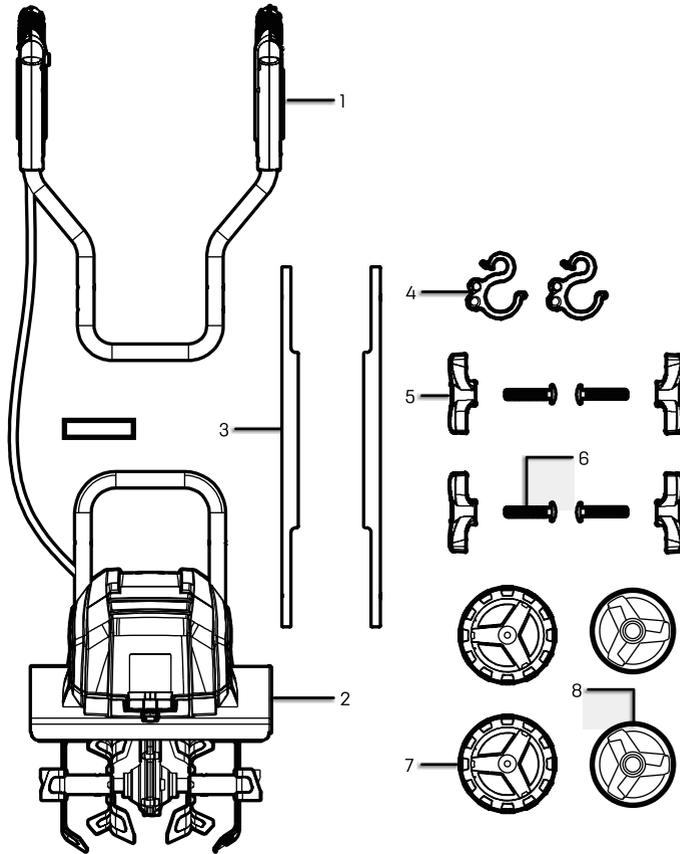
- Chemicals in fertilizers.
- Compounds in insecticides and pesticides.
- Arsenic & chromium from treated lumber

To reduce your risk of exposure, work in a well-ventilated area and wear approved safety equipment.

Unpacking & packing list

UNPACKING

With the help of a friend or trustworthy foe, such as one of your in-laws, carefully remove the tiller from the packaging and place it on a sturdy, flat surface. Make sure to take out all contents and accessories. Do not discard the packaging until everything is removed. Check the packing list below to make sure you have all of the parts and accessories. If any part is missing or broken, please contact customer service at +1 888-909-8850 , or email service@steelitetool.com.



1. Upper Handle (1)
2. Tiller Body (1)
3. Middle Handles (2)
4. Cable Clip (2)
5. Handle Knobs (4)
6. Handle Bolts (4)
7. Wheel Assemblies (2)
8. Wheel Caps (2)

Know your tiller

TOOL PURPOSE

Tackle the toughest of yards and gardens with your STEELITE Electric Tiller. Refer to the following diagrams to become familiarized with all the parts and controls of your tiller. The components will be referred to later in the manual for assembly and operation instructions.

Safety Lock

Trigger

Upper Handle

Handle Knob

Cord Hook

Middle Handle

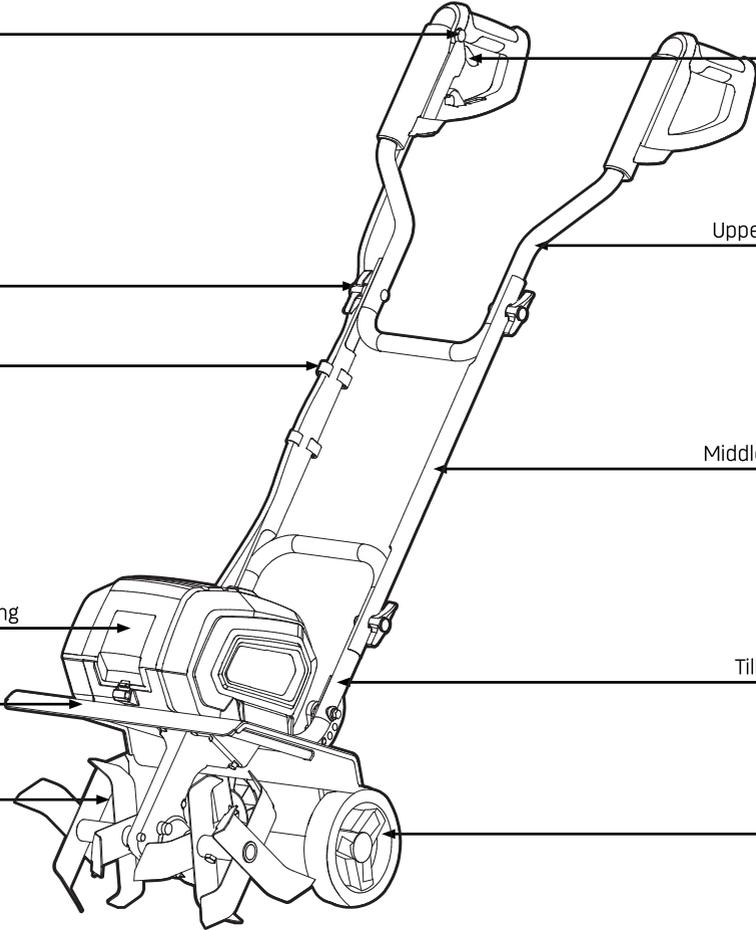
Battery Housing

Tiller Body

Tine Guard

Steel Tines

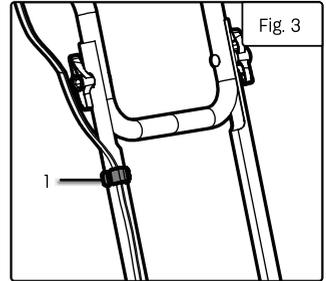
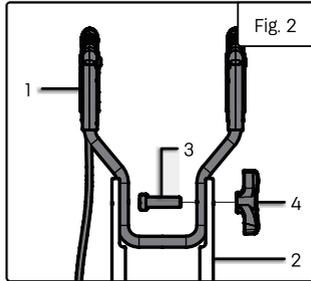
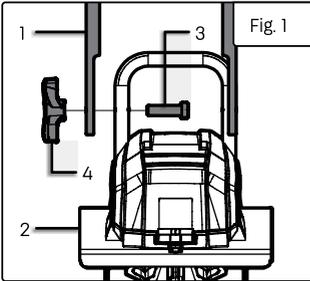
Wheels



Assembly & adjustments

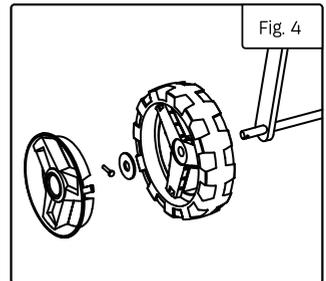
ASSEMBLING THE HANDLE

1. Attach the middle handles (Fig. 1 - 1) to the tiller body (Fig. 1 - 2) with two bolts (Fig. 1 - 3) and two handle knobs (Fig. 1 - 4).
2. Fasten the upper handle (Fig. 2 - 1) to the middle handles (Fig. 2 - 2) using two bolts (Fig. 2 - 3) and two handle knobs (Fig. 2 - 4).
3. Secure the cable along the handle with the supplied cable clip (Fig. 3 - 1).



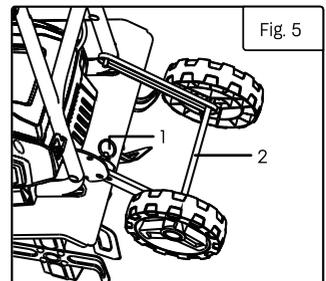
ASSEMBLING THE WHEELS

1. Remove the cotter pin (Fig. 4 - 1) and washer (Fig. 4 - 2) from each side of the wheel axle. Slide a wheel (Fig. 4 - 3) onto the axle and replace the washer on top. Slide the cotter pin back through the axle hole and bend one prong back so it sits securely in the hole. Repeat for the other wheel.
2. Press the two wheel caps (Fig. 4 - 4) into each of the two wheels.
3. Pull the wheel support bracket release pin (Fig. 5 - 1), then swing the wheel bracket (Fig. 5 - 2) down. Release the pin, and make sure it clicks into place in the lower hole in the wheel support bracket. Wiggle the bracket to be sure it is securely locked in place before moving the tiller.



BEFORE EACH USE:

1. Check the product, its battery terminal, and any other accessories for damage. Do not use the product if it is damaged or shows wear.
2. Double check that the accessories and attachments are properly fitted.
3. Ensure that the handles are dry to ensure a secure grip. Always hold the product by its handles.
4. Ensure that the air vents are always unobstructed and clear. Blocked air vents may lead to overheating and damage the product.



Assembly & adjustments

 **WARNING!** To avoid injury from accidental startups, make sure that the tool is OFF and the battery is removed from the drywall sander.

INSERTING AND REMOVING THE BATTERIES

NOTE: The tiller requires 2 batteries to operate. You may use batteries of two different capacities (e.g. 2Ah and 4Ah), but the tiller's runtime depends on the lower-capacity battery. For best results, we recommend using at least 4Ah batteries.

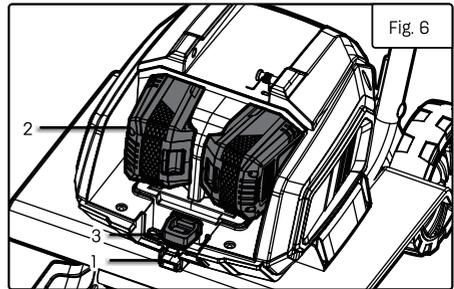
1. To install the battery, slide the battery pack into the battery port. Make sure the release latch on the rear side of the battery pack snaps into place and the battery is secure before beginning operation.
2. To remove the battery pack, press the battery release latch on the front of the battery and pull the battery pack out.

Operation

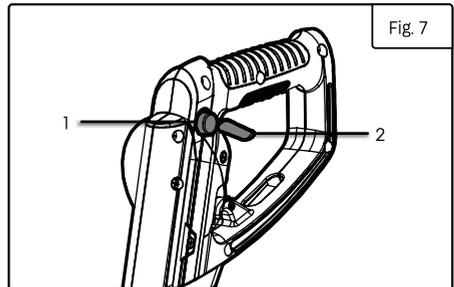
POWERING ON & OFF

⚠ WARNING! Rotating tines may cause serious injury. The tines will continue to turn for a few seconds after the tool has been switched OFF. Do not touch the rotating tines. Contact with hot components (i.e. motor housing, gear box, etc.) on the machine may cause burns. Allow the machine to cool before handling.

1. Press the release button (Fig. 6 - 1) to open the battery housing on the front of the tiller body. Install the batteries (Fig. 6 - 2) and connect the safety key (Fig. 6 - 3). **NOTE:** The tiller will not start if the safety key is not connected.



2. To turn the tool ON, push and hold the safety lock button (Fig. 7 - 1) with your thumb and then squeeze the trigger switch (Fig. 7 - 2) with your fingers. Once the tool is running, release the safety lock button.

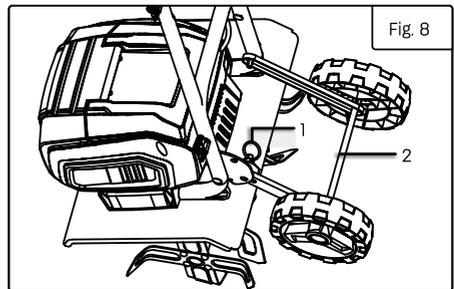


3. To switch OFF, release the trigger switch (Fig. 7 - 2) and wait for the tines to come to a complete stop. Remove the batteries and the safety key from their terminals once you've completed operation.

TILLING

1. Move tiller to desired work area prior to starting motor.

2. Pull the wheel support bracket release pin (Fig. 8 - 1), then swing the wheel bracket up and out of the way. Release the pin, and make sure it clicks into place in the upper hole in the wheel support bracket. Wiggle the bracket to be sure it is securely locked in place before beginning to till.



3. Install the batteries and safety key. Hold the tiller firmly when starting. The tines will pull the tiller forward during operation (Fig. 9).

4. To start the tiller, press the safety lock button (Fig. 7 - 1) and then pull the trigger lever (Fig. 7 - 2) up and against the handle bar. The motor will start and the tines will begin to rotate.

5. When finished tilling, remove the safety key and batteries. Pull the wheel support bracket release pin (Fig. 8 - 1), then swing the wheel bracket down. Release the pin, and make sure it clicks into place in the lower hole in the wheel support bracket. Wiggle the bracket to be sure it is securely locked in place before moving the tiller.

NOTE: For breaking sod or deep tilling, allow the tines to pull the tiller forward to the end of your arm's reach, then firmly pull it back towards yourself. Best results will be achieved by repeatedly allowing the tiller to move forward and pulling it back.

NOTE: If tiller digs deep enough that it gets stuck, gently rock from side to side until it starts to move forward again.

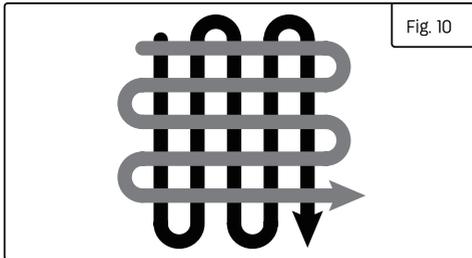
Operation

TILLING (CONT.)

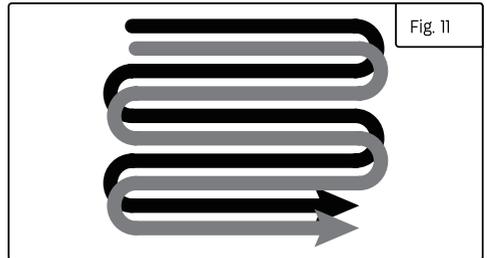
⚠ CAUTION! Take extra precautions when moving backwards and when pulling the tiller back towards yourself to avoid tripping.

⚠ CAUTION! When working on inclines, always stand diagonally to the incline to retain a firm, safe footing. Do not work on extremely steep slopes.

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



Tilling Pattern A: Make two passes over the area to be tilled, the second perpendicular to the first (Fig. 10).



Tilling Pattern B: Make two passes over the area to be tilled, the second overlapping the first (Fig. 11).

⚠ CAUTION! Before moving the tiller from one area to another, switch off the motor and wait for the tines to come to a complete stop. Be careful not to let the tines touch the ground while moving the tiller. The tines, as well as the unit itself, may be damaged even if the motor is switched off.

CLEARING FOREIGN OBJECTS

During operation, a stone or root could become lodged in the tines, or tall plants may become wrapped around the tine shaft.

To clear the tines or tine shaft, release the trigger lever, wait for the tines to come to a complete stop, and remove the safety key and batteries from their terminals before cleaning. Carefully dislodge or remove the foreign matter from the tines or tine shaft. To simplify removal of tall grass or weeds from the tine shaft, remove one or more of the tines.

NOTE: Always wear gloves when clearing the tines or tine shaft.

Maintenance

ROUTINE INSPECTION

Before each use, inspect the tool. If any of these following conditions exist, do not use until parts are replaced.

Check for:

- Loose hardware or improper mounting
- Misalignment
- Cracked or broken parts
- Any other condition that may affect its safe operation

Once per season, lubricate the tines and shaft. At the end of the season, check the tiller for damage prior to storing. Repair or replace damaged or broken parts.

CLEANING

CAUTION! Always clean the tiller after each use. Failure to carry out proper cleaning can result in damage to the tiller or result in poor performance.

CAUTION! Never use a water hose to clean the tiller.

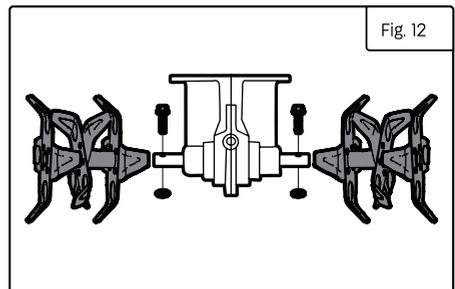
Remove the safety key and batteries from their terminals before cleaning.

Clean the underside of the tine guard and motor housing around the tines using a scrubbing brush and a soft cloth dampened with a mild soap and water mixture.

To remove soil and debris from the transmission and tines, use a stiff brush or a dampened cloth.

Clean the vents on the motor housing and remove any remaining grass or dirt.

Once cleaned, wipe the tines and shaft dry and apply a light coat of oil to prevent rust.



TINES REMOVAL AND INSTALLATION

Worn tines result in poor performance and can overload the motor.

WARNING! Injury can occur while working on the tines. Always wear protective gloves.

TINES REMOVAL AND INSTALLATION

Worn tines result in poor performance and can overload the motor.

Check tines before each use. Sharpen or replace the tine assemblies with new ones when necessary. Remove the batteries before doing so.

To remove complete tine assembly from the shaft, remove the M8x40 hex bolt from the shaft. Pull off the tine assembly from the shaft. Follow the above steps in reverse to install tines (Fig. 12).

Maintenance

STORAGE

Store this tool carefully in a secure, dry place, out of reach of children. Remove the safety key and the batteries from their terminals. Charge the batteries fully and store them in a cool, dry place, out of the reach of children.

During extended periods of storage, ensure that the tool is protected against corrosion and frost.

At the end of the season, or if the tool is not being used for longer than a month, wipe over metal surfaces with an oil covered cloth or spray a fine coat of oil to protect the tiller from corrosion.

Fold the handle bar down and store the tool in a suitable place, out of the reach of children.

PRODUCT DISPOSAL

Used power tools should not be disposed of together with household waste. If the product contains electrical components they should be recycled. Please take this product to your local recycling facility for responsible disposal and to minimize its environmental impact.



Please recycle the packaging and electronic components where facilities exist.

STEELITE

Product Warranty Card

Dear users :

Thank you for buying our products. In order to ensure your profit, users who buy our products can contact local distributor or Specified repair stations with invoice and warranty cards if the product failures due to quality problems.

Warranty Notice:

1. We will provide a 2-year limited warranty for the machine and a 1-year limited warranty for the battery, starting from the date of your purchase.
2. This warranty card and purchase invoice are the voucher of after-sales service provided by our company to customers. The card must be detailed only after filling in the following form and affixing the official seal with the distributor.
3. In one of the following cases, free warranty service will be invalid, and maintenance fees will be required:
 - (1) Exceed the expiration date.
 - (2) Failure or damage caused by not following the requirements of the product manual, maintenance or improper storage.
 - (3) Failure or damage caused by disassembling, repairing or modification of the product without the permission of our company.
 - (4) Machine breakdown or damage caused by force majeure.
 - (5) Consumable accessories.

This card is issued with the product. One card for one machine, to ensure that you can fully enjoy the right to free warranty service provided by the company, please keep this card properly, lost will not be replaced.

Purchase Date: _____ (Year/Month/Day)

Product Certificate

Inspector:

01

Date of manufacture:

NINGBO DELI TOOLS CO., LTD.
No. 128 Chezhan West Road, Huangtan Town,
Ninghai County, Ningbo, Zhejiang, China
delitoolsglobal@nbdeli.com
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+1 888-909-8850
MADE IN CHINA

