

SHERPA ELECTRIC TILLER

Model: STET1300



Operating Instructions





IMPORTANT!

Please read and follow the operating instructions and safety information before using for the first time.

DO NOT USE THIS MACHINE UNTIL YOU HAVE READ THE INSTRUCTIONS IN FULL.



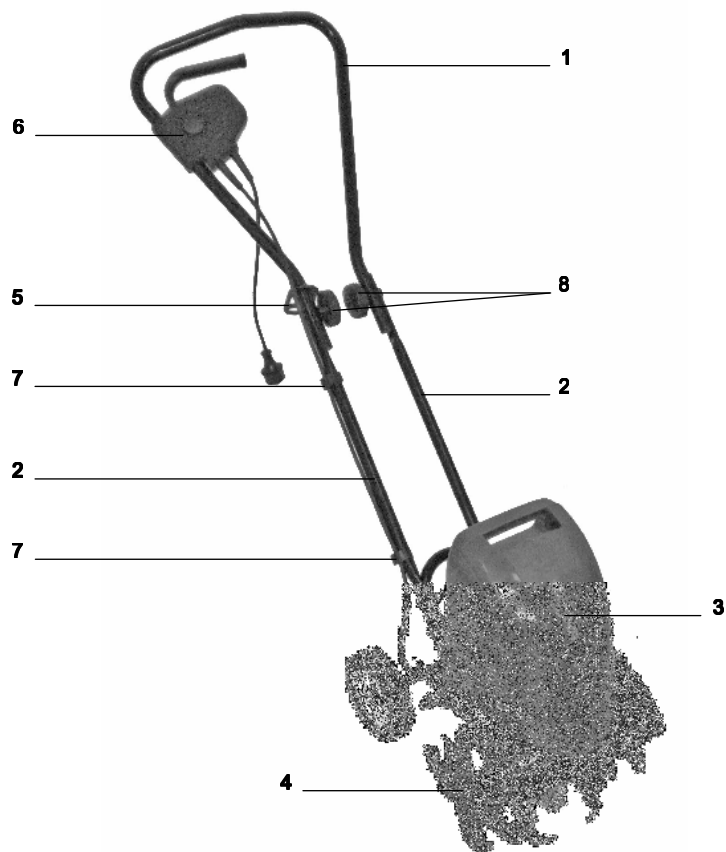
CAUTION!

Always wear protective clothing, eye protection and gloves when operating this or any power tool.

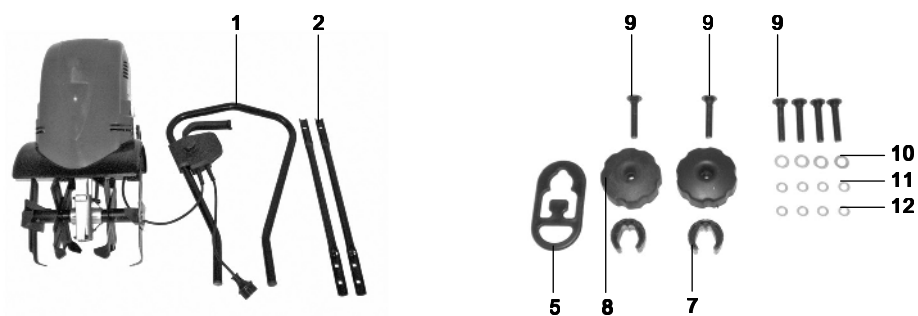
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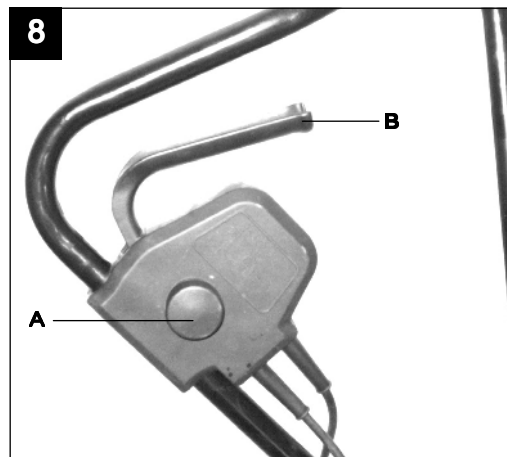
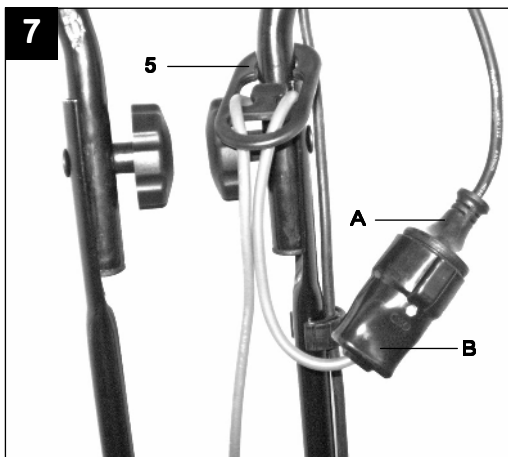
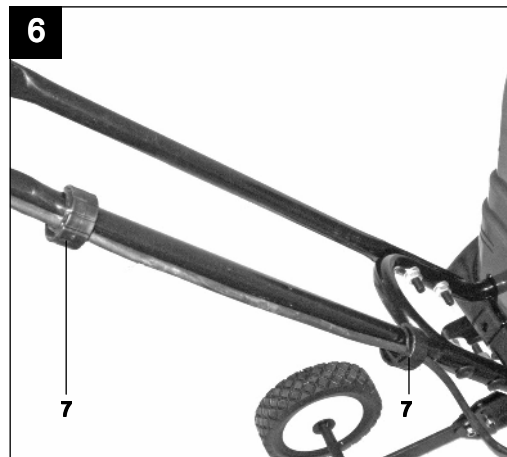
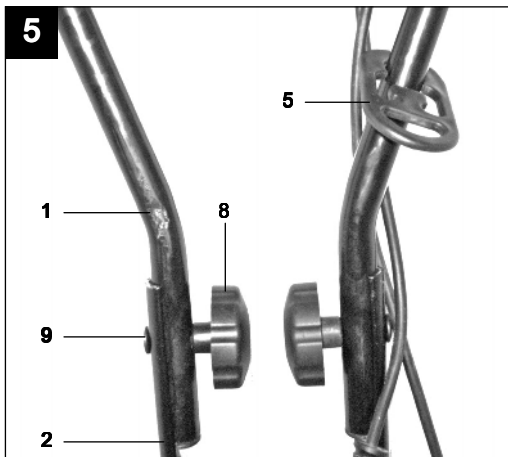
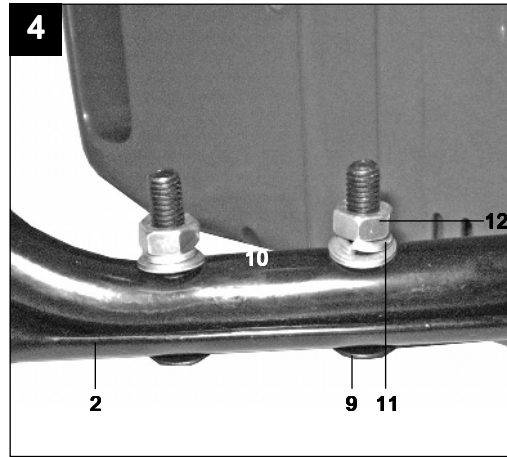
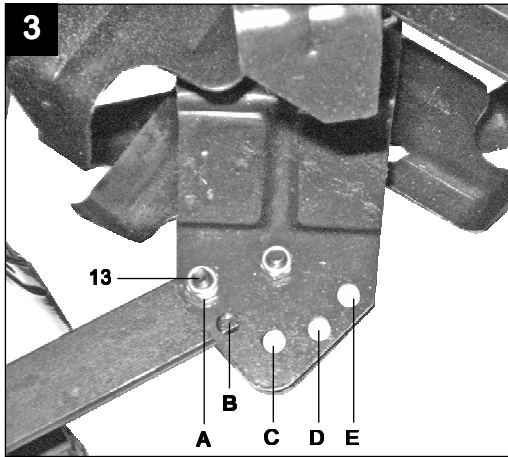


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LIST OF PARTS

1. Top push bar
2. Bottom push bar
3. Motor unit
4. Tillage blade
5. Cable strain-relief clamp
6. Two-hand safety switch
7. Cable securing clips
8. Two star nuts
9. Six screws
10. Four washers
11. Four circlips
12. Four nuts



These parts are referred to later in the guide.

1. Important!

Please refer to this booklet for the safety instructions. When using equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating manual with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, give them these operating instructions as well.

We accept no liability for loss or damage or accidents which arise due to non-observance of these instructions and the safety information.



CAUTION!

Read all safety regulations and instructions. **Failure to follow the safety regulations and instructions may result in an electric shock, fire and/or serious injury.** Keep all safety regulations and instructions in a safe place for future use.

2. Proper use

The machine is designed for digging soil (for example garden beds). Be sure to observe the restrictions in the safety instructions.

The machine 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.

The operating instructions as supplied by the manufacturer must be kept and referred to in order to ensure that the machine is properly used and maintained. The instructions contain valuable information on operating, maintenance and servicing conditions.

For safety reasons, the machine may not be used as a drive unit for other work tools or tool sets of any kind.

3. Technical data

Voltage	230V ~ 50Hz	No-Load Speed	110 rpm
Power input	1300 W	No. of blades	4 pieces
Working width	26 cm	LpA noise level	76 dB(A)
Tiller diameter	23 cm	LWA peak noise level	93 dB(A)
		Vibration at the handlebars ahv	≤ 2.5 m/s ²

4. Before starting the equipment

Assembly (Fig. 3-6)

- Move the transport wheel into the lowest position (Fig. 3 / Item E). To do so, undo the retaining screw (Fig. 3 / Item 13) and remove. Finally, replace the screw and tighten.
- Attach the bottom push bar (Fig. 4 / Item 2) to the push bar brackets using two screws (Fig. 4 / Item 9) and two washers (Fig. 4 / Item 10), two spring rings (Fig. 4 / Item 11) and two nuts (Figure 4 / Item 12) on each side.
- Slide the strain-relief clamp (Fig. 5 / Item 5) onto the top push bar (Fig. 5 / Item 1). Attach the top push bar (Fig. 5 / Item 1) to the bottom push bars (Fig. 5 / Item 2) with two screws (Fig. 5 / Item 9) and two star nuts (Fig. 5 / Item 8).
- Fasten the two cable securing clamps (Fig.6 / Item 7) to the bottom push bar.

Power Supply

The machine can be connected to any standard UK power-outlet (with 230 Volt alternating current). However, the socket outlet must have an earthing contact protected by a 16 A circuit breaker. Additionally, a residual current device (RCD) circuit-breaker with max. 30 mA must be used!

Power cable for the device

- Please only use power cables that are not damaged.
- The total length of the power cable should not exceed 50 meters; going beyond this distance will reduce the power output of the electric motor. The power cable must have a cross-section of 3 x 1.5 mm².
- Power cables used to connect machines must have a rubber insulation sheath.
- The insulating sheath of such machines is frequently damaged. Some of the causes for this are: Cracking due to old age of the insulation, and, Kinking caused by improper fastening or guidance of the power cable. Damaged cables must not be used.

Even though power cables with damaged insulation sheaths pose a lethal hazard, some people still use them. **Do not make this mistake as injury will occur.**

The power cable must not be modified, changed or replaced under any circumstances by non-qualified persons. If a cable needs to be replaced it must only be done by a qualified electrician.

5. Operation

5.1 Starting up

Connect the machine's power supply cable (Fig 7 / Item B) to the plug (Fig. 7 / Item A) and secure the power cable with the strain-relief clamp (Fig 7 / Item 5).



Important!

To prevent accidental start-up of the machine, the push-bar is equipped with a two-point switch (Fig. 8 / Item A) which must be pressed before the lever switch (Fig. 8 / Item B) can be pressed. If the lever switch is released, the machine switches off. Repeat this process several times so that you are sure that your machine functions properly. Before you perform any repair or maintenance work on the machine, ensure that the tiller blades are not rotating and that the power supply is disconnected.

The integrated height adjustment system enables you to adjust the guide wheel to the required working depth. Undo the retaining screw (Fig. 3 / Item 13) and remove. Move the guide wheel into the required position (Fig. 3 / Item A-E). Replace the screw and tighten.

Always ensure that a safe distance (provided by the long handles) is maintained between the machine and the user. Be especially careful when changing direction on slopes and inclines. Maintain a solid footing and wear sturdy, non-slip footwear and long trousers. Always work along the incline (not up and down). Use special caution when backing up and pulling the machine (tripping hazard).

5.2 Tips for proper working

Place the machine in front of the area you wish to till and hold it securely on the push bar before you switch on the machine. Guide the tiller blades over the area. To achieve cleanly tilled soil always ensure that you guide the machine in straight lines wherever possible. In so doing, the aeration swathes should always overlap each other by a few centimeters in order to avoid bare strips.

Switch off the motor promptly when you arrive at the end of the area you wished to till. The motor must be switched off when you raise the machine (for example to change direction).

Keep the underside of the machine clean and remove soil deposits. Deposits make it more difficult to start the machine and decrease the working depth. Work perpendicular to the slope on inclined areas. The machine must be switched off and the mains cable disconnected before you make any checks on the tiller blades.



Important!

The tiller blades will continue to rotate for a few seconds after the motor is switched off. Never attempt to manually stop them. In the event that the rotating tiller blade strikes an object, immediately switch off the machine and wait for the tiller blades to come to a complete stop. Then inspect the condition of the tiller blades. Replace any parts that are damaged.

Lay the power cable on the ground in front of the outlet in a figure 8. Work away from the outlet or cable and ensure that the power cable always trails in the tilled soil which will prevent the tiller blades from traveling over the cable.

6. Replacing the power cable

If the power cable for this equipment is damaged, it must be replaced by the manufacturer or an after-sales service agent, or similarly trained and certificated personnel to avoid danger.

7. Cleaning, maintenance and ordering of spare parts

Maintenance and cleaning work on the machine as well as removal of the safety devices may only be performed when the motor is switched off and the power cable has been un-plugged for the power source.

7.1 Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth (not wet) and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. **Ensure that no water can seep into the device.**

7.2 Replace the tiller blades

For safety reasons, we recommend having the tiller blades replaced by an authorized professional only.



Important!

Wear working gloves when cleaning the machine. Use only genuine spare parts since otherwise the function and safety of the machine cannot be guaranteed.

7.3 Maintenance

Ensure that all mounting components (i.e. screws, bolts, nuts etc.) are always tightened so that the machine can be safely operated at all times.

Store the device in a dry room. All the metal parts should be cleaned and then oil to ensure that they provide a long life. For best results, clean the plastic parts of the machine with a brush or rag. Do not use any solvents to remove dirt.

For space saving storage undo the star nuts (Fig. 5 / Item 8) and fold the bottom push bar (Fig. 5 / Item 1) forward. Ensure that you do not damage the cable.

At the end of the season, perform a general inspection of the machine and remove any deposits which may have accumulated. At the start of each season, ensure that you check the condition of the machine. If repairs are necessary, please contact one of our customer service centers. (see www.sherpatools.co.uk for information).

7.4 Ordering Replacement Parts

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

For information please go to www.sherpatools.co.uk

Help Line 0845 123 5844

8. Disposal and recycling

The unit is supplied in packaging to prevent it being damaged in transit. This packaging is raw material and can therefore be reused or can be recycled.

The unit and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council

9. Troubleshooting Guide

Fault	Possible causes	Remedy
Motor does not start	a) No power at the plug b) Cable defective c) Switch/plug block defective d) Motor terminals or capacitor disconnected e) excessive working depth	a) Check the power cable and fuse b) Check c) By customer service workshop d) By customer service workshop e) Reduce working depth
Motor performance drops	a) Soil too hard b) Blades badly worn	a) Correct working depth b) Replace tiller blades



Important

For protection, the motor is equipped with a thermal switch which cuts out when the motor is overloaded and switches on again automatically after a short cooling period.

GUARANTEE CERTIFICATE

Dear Customer,

All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. Of course, if you would prefer to call us then we are also happy to offer our assistance under the service number printed below. Please note the following terms under which guarantee claims can be made:

1. These guarantee terms cover additional guarantee rights and do not affect your statutory warranty rights.

We do not charge you for this guarantee.

2. Our guarantee only covers problems caused by material or manufacturing defects, and it is restricted to the rectification of these defects or replacement of the device. Please note that our devices have not been designed for use in commercial, trade or industrial applications. Consequently, the guarantee is invalidated if the equipment is used in commercial, trade or industrial applications or for other equivalent activities. The following are also excluded from our guarantee: compensation for transport damage, damage caused by failure to comply with the installation/assembly instructions or damage caused by unprofessional installation, failure to comply with the operating instructions (e.g. connection to the wrong mains voltage or current type), misuse or inappropriate use (such as overloading of the device or use of non-approved tools or accessories), failure to comply with the maintenance and safety regulations, ingress of foreign bodies into the device (e.g. sand, stones or dust), effects of force or external influences (e.g. damage caused by the device being dropped) and normal wear resulting from proper operation of the device.

The guarantee is rendered null and void if any attempt is made to tamper with the device.

3. The guarantee is valid for a period of 2 years starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies when an on-site service is used.

4. In order to assert your guarantee claim, please send your defective device postage-free to the address shown below. Please enclose either the original or a copy of your sales receipt or another dated proof of purchase. Please keep your sales receipt in a safe place, as it is your proof of purchase. It would help us if you could describe the nature of the problem in as much detail as possible. If the defect is covered by our guarantee then your device will either be repaired immediately and returned to you, or we will send you a new device.

Of course, we are also happy offer a chargeable repair service for any defects which are not covered by the scope of this guarantee or for units which are no longer covered. To take advantage of this service, please send the device to our service address.

Notes