

DRAPER

EN

Original Instructions
Version 3 – October 2025

230V **TILLER**

97929



**UK
CA** **CE**

1. Preface

These are the original product instructions. This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate or maintain this product.

This Draper Tools manual describes the purpose of the product and contains all the necessary information to ensure its correct and safe use. Following all the instructions and guidance in this manual will ensure the safety of both the product and the operator and increase the lifespan of the product.

All photographs and drawings within this manual are supplied by Draper Tools to help illustrate correct operation of the product.

Every effort has been made to ensure the information contained in this manual is accurate. However, Draper Tools reserves the right to amend this document without prior warning. Always use the latest version of the product manual.

1.1 Product Reference

User Manual for: 230V Tiller

Stock Nos: 97929

Part Nos: GT1500/450D

1.2 Revisions

Version 1: October 2020

First release

Version 2: October 2023

Version 3: October 2025

As our manuals are continually updated, always ensure that the latest version is used.

Please visit drapertools.com/manuals for the latest version of this manual and the associated parts list, if applicable.

1.3 Understanding the Safety Content of This Manual



WARNING! – Situations or actions that may result in personal injury or death.



CAUTION! – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

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In all cases, this copyright notice must remain intact.

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3. Product Introduction

3.1 Intended Use

This product is designed to loosen and turn over soil and for mixing coarse soil with fertiliser, peat and compost. Ideal for use in small gardens, allotments and flower beds.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Read this manual in full before attempting to assemble, operate or maintain the product, and retain it for later use.

3.2 Specification

Stock No.	97929
Part No.	GT1500/450D
Rated voltage	230V/50Hz
Rated power input	1500W
Maximum speed (no load)	400rpm
Maximum working	
Depth	220mm
Width	330 – 450mm
Cord length (approx.)	10M
Noise emissions	
Sound pressure level	80.4dB (A)
Sound power level	91.57dB (A)
Uncertainty	3dB (A)
Vibration Level	
Left handle	0.968m/s ²
Right handle	0.947m/s ²
Protection rating	IPX4
Net weight	10.1kg

Important: The declared vibration total values and noise emissions values have been measured in accordance with a standard test method and may be used for comparing one tool with another. These values may also be used in a preliminary assessment of exposure.



WARNING! The vibration and noise emissions during actual use of the product can differ from the declared values depending on the type of work and the area upon which it is used. Before each use, estimate the likely exposure resulting from the actual conditions of use. Take into account all parts of the operation cycle in order to identify any safety measures required to protect the operator.

Important: Read all the Health and Safety instructions before attempting to operate, maintain or repair this product. Failure to follow these instructions may result in injury or damage to the user or the product.

4.1 General Health and Safety Precautions

Training

- Read the instructions carefully. Be familiar with the controls and the proper use of the equipment. Retain for later use.
- Never allow children or people unfamiliar with these instructions to use this machine. Local regulations can restrict the age of the operator.
- Never work while people, especially children or pets, are nearby.
- This machine **MUST NOT** be used by children and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the machine by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the machine.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

Preparation

- While operating the machine, always wear substantial footwear and long trousers.
- **DO NOT** operate the machine when barefoot or wearing open-toed sandals.
- Thoroughly inspect the area where the tiller is to be used and remove all objects which could be thrown up by the machine.
- Before using, always visually inspect the blades, blade bolts and blade assembly for wear or damage. Replace any worn or damaged components.
- Before use check the supply and extension cord for signs of damage or wear. If the cord becomes damaged during use, disconnect the cord from the power supply immediately. **DO NOT TOUCH THE CORD BEFORE DISCONNECTING THE SUPPLY.** Do not use the machine if the cord is damaged or worn.

- **DO NOT** abuse the cord. Never use the cord for carrying, pulling or unplugging the machine. Keep the cord away from heat, oil, sharp edges and moving parts. Damaged or entangled cords increase the risk of electric shock.

Operation

- **NEVER** use the machine in rain or wet conditions.
- **DO NOT** use this product to till extremely dry or wet soil.
- **DO NOT** work close to trees in case the machine cuts through roots.
- Operate the machine only in daylight or in good artificial light.
- Always be sure of your footing on slopes.
- Walk, never run.
- Work across slopes, never up and down.
- Exercise extreme caution when changing direction on slopes.
- **DO NOT** use on excessively steep slopes.
- Use extreme caution when reversing or pulling the machine towards you.
- **DO NOT** change the motor governor settings or over speed the motor.
- **NEVER** operate the machine with defective guards or without safety devices fitted.
- Ensure that all warning labels are in place and safety features and operation controls function correctly before use.



WARNING! Always keep a firm grip on the machine with both hands and watch your feet; the blades may cause an accident. Take care when moving backwards to prevent tripping!

- Keep the cord and your feet well away from the cutting blades.
- **DO NOT** start the machine when standing in front of the discharge opening.
- **DO NOT** put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Do not transport the machine while the cutting blade is running.

4. Health and Safety Information

- You must stop and unplug the machine immediately from the socket (or other disabling device) and ensure that all moving parts have come to a complete stop:
 - Whenever you leave the machine.
 - Before clearing blockages.
 - Before checking, cleaning or working on the machine.
 - After striking a foreign object. Inspect the machine for damage and repair before restarting and operating the machine.
- If the machine starts to vibrate abnormally, stop immediately and manually:
 - Inspect for damage: Replace or repair any damaged parts.
 - Check for and tighten any loose parts.
- **DO NOT** touch the gearbox, as it may become hot during operation.



WARNING!

To avoid damage to the machine.

- **NEVER** lift or drag the machine while the motor is running.
- Always lift the machine when moving it over hard surfaces, such as tiles or steps.

Maintenance and Servicing

- Keep all nuts, bolts and screws tight to be sure the machine is in a safe working condition.
- Take care as manually rotating one blade can cause other blades to rotate.
- Be careful when adjusting the machine to prevent entrapment of the fingers between moving blades and fixed parts of the machine.
- **ALWAYS** allow the machine to cool down before storing.
- Replace worn or damaged parts and only use genuine recommended replacement parts and accessories.
- Have your machine repaired by an authorised service agent. To avoid danger, equipment must only be repaired by qualified technicians.

4.2 Connection to the Power Supply

- This appliance is supplied with an approved plug and cord for your safety.

- If the power supply cord is damaged, it must be replaced by Draper Tools, an authorised service agent or similarly qualified personnel in order to avoid a hazard.
- The damaged or incomplete plug, when cut from the cord, shall be disabled to prevent connection to a live electrical outlet.
- This product is a Class II† appliance and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.
- The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, use a small plain-slot screwdriver to remove the fuse cover. Ensure the substitute is of the correct rating, approved to BS 1362 and ASTA or BS Kite marked. This should only be performed by suitably qualified personnel.

ASTA

BSI

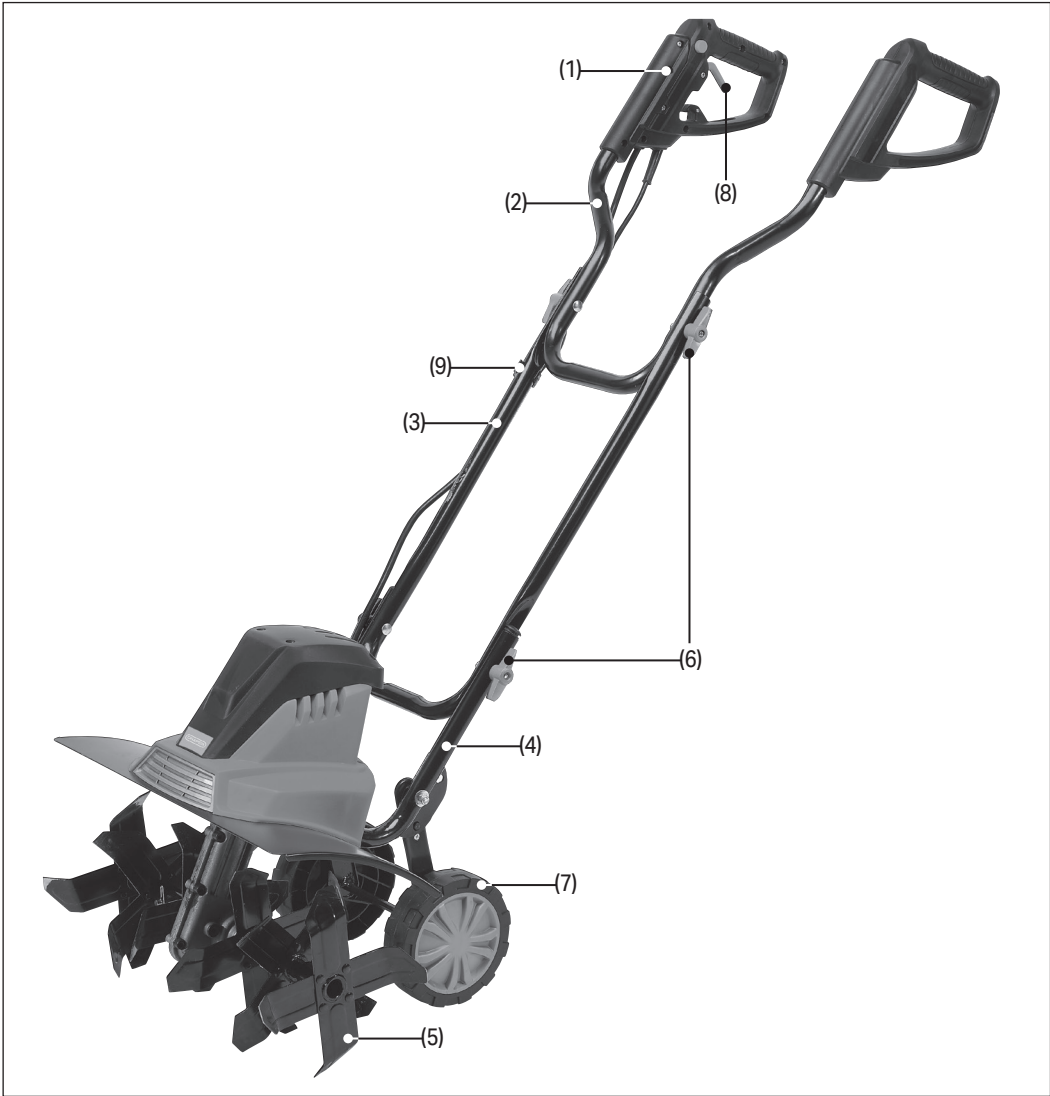
- If an extension lead is required, use an approved and compatible lead rated for this appliance and for outdoor use. Follow all the instructions supplied with the extension lead.
- **Important: ALWAYS** follow the extension lead instructions regarding maximum load while the cable is wound. If in doubt, unwind the entire cable. A coiled extension lead generates heat which could melt the lead and cause a fire.
- It is recommended that this product is used with a residual current device (RCD) with a tripping current of not more than 30mA to reduce the risk of electrical shocks.

†Double insulated : This product requires no earth connection as supplementary insulation is applied to the basic insulation to protect against electric shock in the event of failure of the basic insulation.

4.3 Residual Risk

The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

5.1 Product Overview



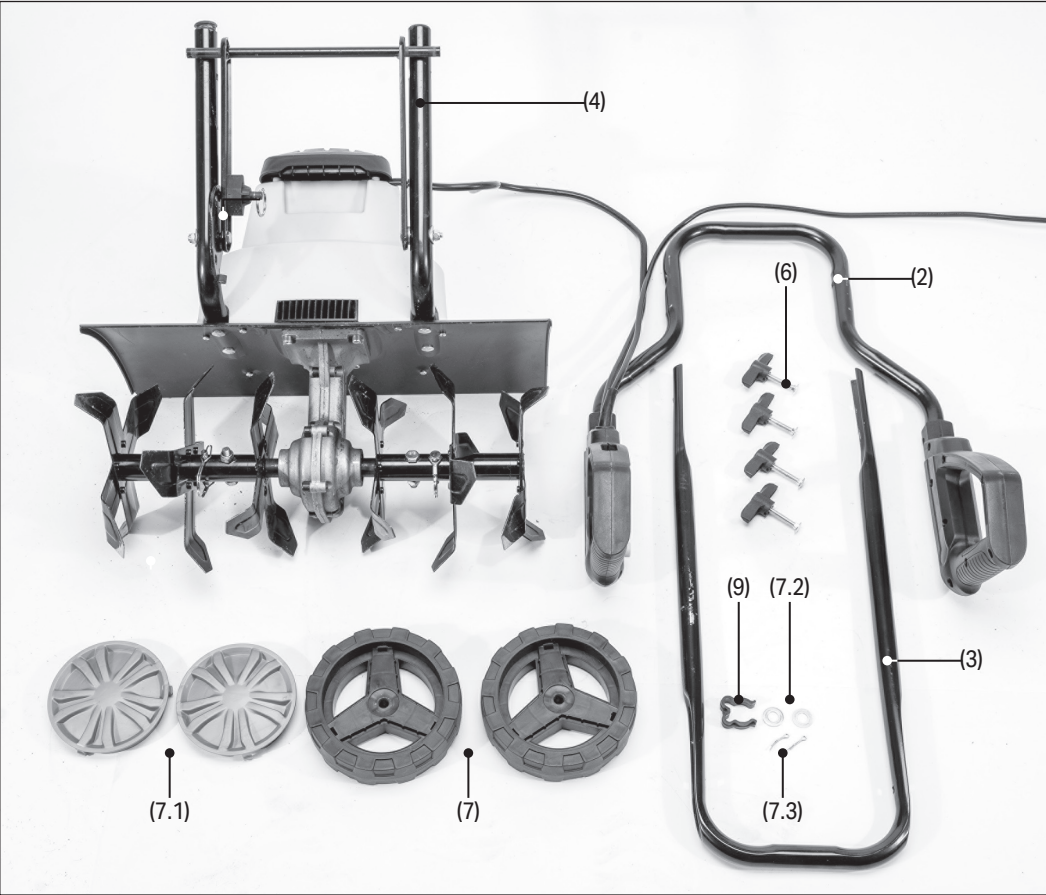
- | | | | | | |
|-----|---------------------|-----|----------------------|-----|-----------------------|
| (1) | Handle grips | (4) | Lower handle frame | (7) | Transport wheels |
| (2) | Upper handle frame | (5) | Rotor blades | (8) | ON/OFF trigger switch |
| (3) | Middle handle frame | (6) | Handle locking bolts | (9) | Cord clips |

5. Identification and Unpacking

5.2 What's in the Box?

Carefully remove the product from the packaging and examine it for any signs of damage that may have occurred during shipment.

Before assembling the product, lay the contents out and check them against the parts shown below. If any part is damaged or missing, do not attempt to use the product. Please contact the Draper Helpline; contact details can be found at the back of this manual.



- (2) Upper handle frame
- (3) Middle handle frame
- (4) Lower handle frame
- (6) 4 x Handle locking bolts

- (7) 2 x Transport wheels
- (7.1) 2 x Wheel caps
- (7.2) 2 x Washers
- (7.3) 2 x Locking pins

- (9) Cord clip

5.3 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.

WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.

Please visit **[drapertools.com](https://www.drapertools.com)** for our full range of accessories and consumables.

6. Assembly Instructions

Important: Before preparing or adjusting this product, read and understand all the safety instructions listed in this manual.

6.1 Assembling the Handle

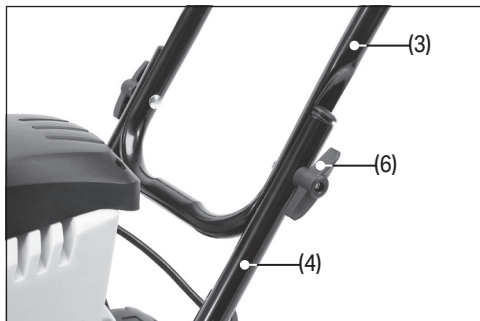


Fig. 1

1. Attach the middle handle section (3) to the lower section (4) and secure using two handle locking bolts (6).



Fig. 2



Fig. 3

2. Attach the upper handle (2) to the middle section using the other two handle locking bolts (6).

6.2 Attach the Cord Clips

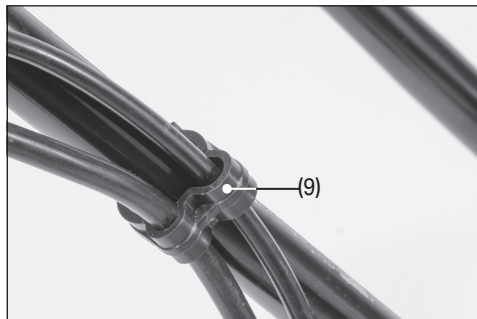


Fig. 4

- Fasten the loose cord to the assembled handle using the cord clips (9).

6.3 Fitting the Transport Wheels

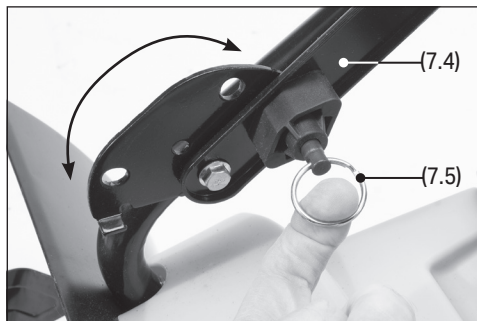


Fig. 5

1. Fit the transport wheels (7) to the swinging axle (7.4),
 - This can be raised when the tiller is in operation.
 - A sprung loaded locking pull ring (7.5) enables the axle to be sung into the require position.

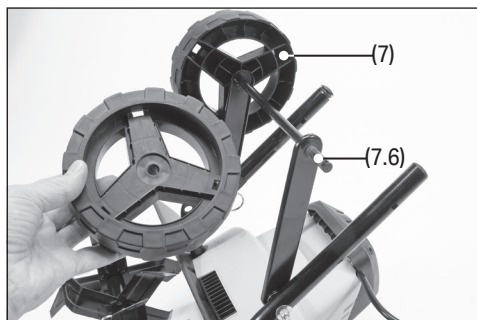


Fig. 6

2. Slide each wheel (7) onto each end of the axle (7.6).

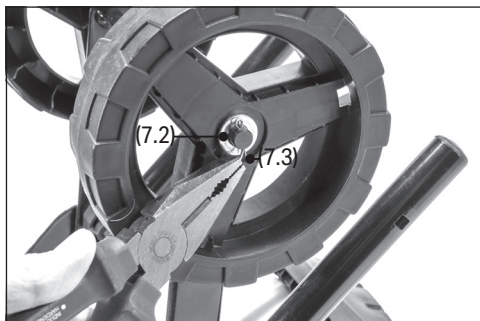


Fig. 7

3. Place a washer (7.2) over the end of the axle for each wheel.
4. Insert the R-type locking pin (7.3) through the hole on the end of each axle to secure the wheel in place.

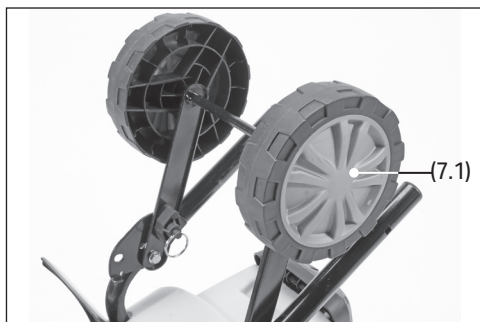


Fig. 8

5. Clip each wheel cap (7.1) in place.

6.4 Fitting & Removing the Rotor Blades

- **ALWAYS** wear safety gloves when working on the rotor blades.

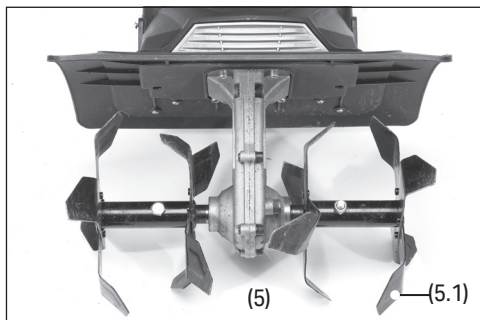


Fig. 9

1. Fit the rotor blades (5) to the drive shaft using a nut and bolt for each blade section.

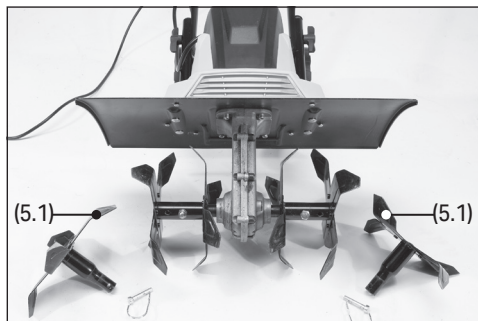


Fig. 10

2. The two outer blades (5.1) can be quickly added or removed as required.

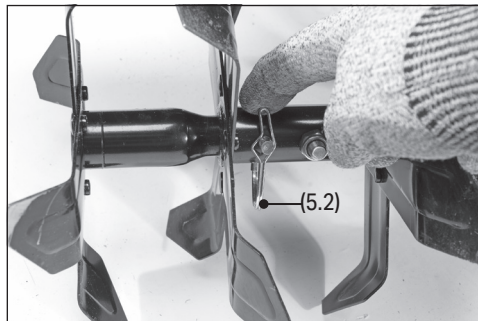


Fig. 11

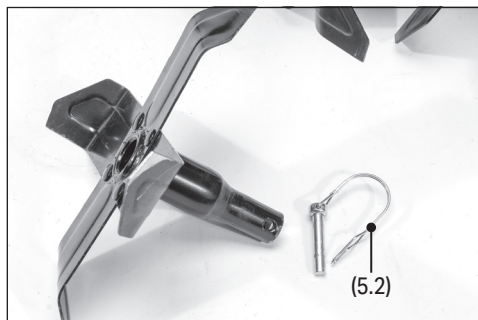


Fig. 12

- To remove unfasten the locking pins (5.2) and then pull the blades away from the machine.

7. Operating Instructions

Important: Before operating this product, read and understand all the safety instructions listed in this manual. Ensure that the product is fully assembled and correctly prepared for use.

7.1 Raising the Transport Wheels

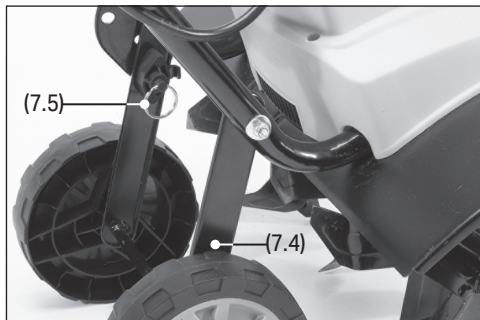


Fig. 13



Fig. 14

- Ensure the wheel axle (7.4) is raised before you use the tiller.
- Pull out the locking pull ring (7.5) and lift the wheel axle to the upper position.
- Release the ring to lock the axle in place with the wheels off the ground.

7.2 Switching the Tiller ON and OFF

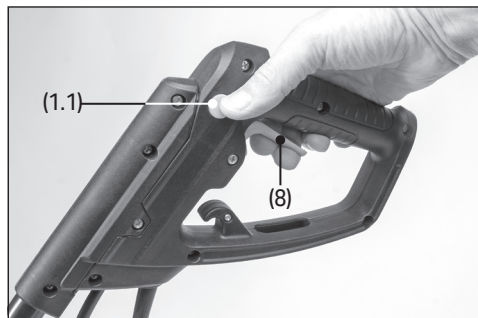


Fig. 15

1. Press the safety button (1.1) and at the same time squeeze the trigger (8) to start the motor.
2. Then release the safety button and continue to squeeze the trigger to operate the tiller.
3. As soon as the trigger is released the motor will stop.

7.3 Basic operation

- Move the tiller forward through the soil at a normal pace and in as straight a line as possible.
- **Important: ALWAYS** work away from the mains socket. Ensure that the cord is kept well away from the working area and the blades.

Important: **ALWAYS** switch off and unplug the tiller, allow it to completely stop and cool before performing any maintenance. **NEVER** attempt to perform any maintenance with the blades rotating.

8.1 General Maintenance

- Proper and regular maintenance of the product will ensure a longer lifespan and consistent performance. Failure to correctly maintain the product may result in rapid deterioration of its performance.
- Wipe over the exterior with a damp cloth only. **DO NOT** use abrasive cleaners or solvent as they may damage the plastic parts.

- Always keep the air vents clean and free from obstructions. Clean the air vents after every use with a cloth and brush.
- Check for and replace any worn and damaged parts after and before each use.
- Regularly check for obvious defects, such as loose, dislodged or damaged cutting devices, loose fixings and worn or damaged components.
- Check that safety guard is undamaged and correctly fitted.
- Store the product in a dry, frost-free, well-ventilated place, out of the reach of children.

8.2 Troubleshooting

Problem	Possible Cause	Remedy
Motor does not start.	Not connected to power supply.	Connect to power supply.
	Fuse blown.	Check fuse in plug and replace if required.
	Overheat protection activated due to: - Working depth too deep. - Soil too hard.	Switch off, unplug and allow to cool for at least 15 minutes before restarting. Set to correct depth and move forward and backwards several times.
Abnormal noise or vibrations.	Rotor blades jammed, worn or damaged.	Turn off and remove any blockages. Check blades and replace if worn or damaged.
	Bolts, nuts or other components loose.	Tighten all components. Contact Draper Tools for advice if noise continues.
Poor results.	Working depth too deep or shallow.	Set to correct depth.
	Rotor blades worn or damaged.	Switch off and check blades. Replace if worn or damaged.

9. Spares, Returns and Disposal

For spare parts, servicing, and repair and replacement options, please contact the Draper Tools Product Helpline for details of your nearest authorised agent.

Draper Tools will endeavour to hold any spare parts, if applicable, for seven years from the date that it sells the final matching stock item.

Any servicing or repairs carried out by unauthorised personnel or installation of spare parts not supplied by Draper Tools will invalidate your warranty.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.



10. Warranty

12 months from date of purchase -
Visit drapertools.com/warranty for full details.

11. Explanation of Symbols



Read the instruction manual



Wear face mask and safety glasses



Wear ear defenders



Wear suitable protective footwear



Warning!



Warning! Keep bystanders away



Warning! Keep bystanders away



DO NOT use in wet conditions



Warning! Blades may still spin after switching off



Warning! Danger of crush injury



Warning! Danger of foot injury

IPX4

Water ingress protection rating



Class II construction
(Double insulated)



WEEE – Waste Electrical & Electronic Equipment
Do not dispose of Waste Electrical & Electronic Equipment
in with domestic rubbish



European conformity



UK Conformity Assessed

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