



**DRAPER**<sup>®</sup>

# 230V **RAPID** **GARDEN** **SHREDDER**

**97973**



**UK**  
**CA** **CE**

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

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

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

# 1. TITLE PAGE

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## 1.1 INTRODUCTION:

**USER MANUAL FOR: 230V Rapid Garden Shredder**

**Stock No: 97973**

**Part No: GRS2500D**

## 1.2 REVISIONS:

**Date first published January 2021.**

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As our user manuals are continually updated, users should make sure that they use the very latest version.

**Downloads are available from:** <http://drapertools.com/manuals>

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## 1.3 UNDERSTANDING THIS MANUALS SAFETY CONTENT:

**Warning!** – Information that draws attention to the risk of injury or death.

**Important** – Information that draws attention to the risk of damage to the product or surroundings.

## 1.4 COPYRIGHT © NOTICE:

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## 3. WARRANTY

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### 3.1 WARRANTY

Draper tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, please return the complete tool to your nearest distributor or contact:

**Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England.**

**Telephone Sales Desk: +44 (0) 8049 4333 or Product Help Line +44 (0) 23 8049 4344.**

A proof of purchase **must** be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This warranty period covering labour is 12 months from the date of purchase except where tools are hired out when the warranty period is 90 days from the date of purchase. The warranty is extended to 24 months for parts only. This warranty does not apply to any consumable parts, any type of battery or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

**Note:** If the tool is found not to be within the terms of warranty, repairs and carriage charges will be quoted and made accordingly.

This warranty applies in lieu of any other warranty expressed or implied and variations of its terms are not authorised.

Your Draper warranty is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the warranty period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

**Draper Tools Limited.**

## 4. INTRODUCTION

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### 4.1 SCOPE

For the shredding of garden waste, for foliage with a maximum capacity of 40mm. Any other application is considered misuse.

### 4.2 SPECIFICATION

Stock No. ....	97973
Part No. ....	GRS2500D
Motor:	
Rated voltage .....	230V~
Rated frequency .....	50Hz
Rated input .....	2500W
Speed (no load) .....	4,050rpm
Max. cutting diameter .....	40mm
Sound pressure level (LpA) .....	95.7dB(A)
Sound power level (LWA) .....	111dB(A)
Uncertainty (K) .....	3dB(A)
Weight (machine only) .....	14.5kg

### 4.3 HANDLING AND STORAGE

- Care must be taken when handling this product.
  - Dropping this power tool could have an effect on its accuracy and could also result in personal injury. This product is not a toy and must be respected.
- Environmental conditions can have a detrimental effect on this product if neglected.
  - Exposure to damp air can gradually corrode components. If the product is unprotected from dust and debris, components will become clogged.
  - If not cleaned and maintained correctly or regularly, the machine will not perform at its best.

## 5. HEALTH AND SAFETY INFORMATION

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### 5.1 GENERAL SAFETY INSTRUCTIONS FOR POWER TOOL USE

When using any type of power tool there are steps that should be taken to make sure that you, as the user, remain safe.

Common sense and a respect for the tool will help reduce the risk of injury.

**Read the instruction manual fully.** Do not attempt any operation until you have read and understood this manual.

Most important you must know how to safely start and stop this machine, especially in an emergency.

**Keep the work area tidy and clean.** Attempting to clear clutter from around the machine during use will reduce your concentration. Mess on the floor creates a trip hazard. Any liquid spilt on the floor could result in you slipping.

**Find a suitable location.** If the machine is bench mounted, the location should provide good natural light or artificial lighting as a replacement. Avoid damp and dust locations as it will have a negative effect on the machine's performance. If the machine is portable do not expose the tool to rain. In all cases do not operate power tools near any flammable materials.

**Keep bystanders away.** Children, onlookers and passers by must be restricted from entering the work area for their own protection. The barrier must extend a suitable distance from the tool user.

Unplug and house all power tools that are not in use. A power tool should never be left unattended while connected to the power supply. They must be housed in a suitable location, away locked up and from children. This includes battery chargers.

**Do not overload or misuse the tool.** All tools are designed for a purpose and are limited to what they are capable of doing. Do not attempt to use a power tool (or adapt it in any way) for an application it is not designed for. Select a tool appropriate for the size of the job. Overloading a tool will result in tool failure and user injury. This covers the use of accessories.

**Dress properly.** Loose clothing, long hair and jewellery are all dangerous because they can become entangled in moving machinery. This can also result in parts of body being pulled into the machine. Clothing should be close fitted, with any long hair tied back and jewellery and neck ties removed. Footwear must be fully enclosed and have a non-slip sole.

**Wear personal protective equipment (PPE).** Dust, noise, vibration and swarf can all be dangerous if not suitably protected against. If the work involving the power tool creates dust or fumes wear a dust mask. Vibration to the hand, caused by operating some tools for longer periods must be protected against. Wear vibration reducing gloves and allow long breaks between uses. Protect against dust and swarf by wearing approved safety goggles or a face shield. These are some of the more common hazards and preventions, however, always find out what hazards are associated with the machine/work process and wear the most suitable protective equipment available.

**Do not breathe contaminated air.** If the work creates dust or fumes connect the machine (if possible) to an extraction system either locally or remotely. Working outdoors can also help if possible.

**Move the machine as instructed.** If the machine is hand held, do not carry it by the power supply cable. If the product is heavy, employ a second or third person to help move it safely or use a mechanical device. Always refer to the instructions for the correct method.

**Do not overreach.** Extending your body too far can result in a loss of balance and you falling. This could be from a height or onto a machine and will result in injury.

**Maintain your tools correctly.** A well maintained tool will do the job safely. Replace any damaged or missing parts immediately with original parts from the manufacturer. As applicable, keep blades sharp, moving parts clean, oiled or greased, handles clean, and emergency devices working.

## 5. HEALTH AND SAFETY INFORMATION

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**Wait for the machine to stop.** Unless the machine is fitted with a safety brake, some parts may continue to move due to momentum. Wait for all parts to stop, then unplug it from the power supply before making any adjustments, carrying out maintenance operations or just finishing using the tool.

**Remove and check setting tools.** Some machinery requires the use of additional tools or keys to set, load or adjust the power tool. Before starting the power tool always check to make certain they have been removed and are safely away from the machine.

**Prevent unintentional starting.** Before plugging any machine in to the power supply, make sure the switch is in the OFF position. If the machine is portable, do not hold the machine near the switch and take care when putting the machine down, that nothing can operate the switch.

**Carefully select an extension lead.** Some machines are not suitable for use with extension leads. If the tool is designed for use outdoors, use an extension lead also suitable for that environment. When using an extended lead, select one capable of handling the current (amps) drawn by the machine in use. Fully extend the lead regardless of the distance between the power supply and the tool. Excess current (amps) and a coiled extension lead will both cause the cable to heat up and can result in fire.

**Concentrate and stay alert.** Distractions are likely to cause an accident. Never operate a power tool if you are under the influence of drugs (prescription or otherwise), including alcohol or if you are feeling tired. Being disorientated will result in an accident.

**Have this tool repaired by a qualified person.** This tool is designed to conform to the relevant international and local standards and as such should be maintained and repaired by someone qualified, using only original parts supplied by the manufacturer. This will ensure the tool remains safe to use.

### 5.2 RESIDUAL RISK

**Important:** Although the safety instructions and operating manuals for our tools contain extensive instructions of safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!

### 5.3 CONNECTION TO THE POWER SUPPLY

**Caution:** Risk of electric shock. Do not open.

This appliance is supplied with an approved plug and cable for your safety. The value of the fuse fitted is marked on the pin face of the plug. Should the fuse need replacing, ensure the substitute is of the correct rating, approved to BS1362 and ASTA or BS Kite marked.

ASTA 

BSI 

The fuse cover is removable with a small plain slot screwdriver. Ensure the fuse cover is replaced before attempting to connect the plug to an electrical outlet. If the cover is missing, a replacement must be obtained or the plug replaced with a suitable type.

If a replacement plug is to be fitted this must be carried out by a qualified electrician.

The damaged or incomplete plug, when cut from the cable should be disabled to prevent connection to a live electrical outlet.

This appliance is Class II<sup>†</sup> and is designed for connection to a power supply matching that detailed on the rating label and compatible with the plug fitted.

If an extension lead is required, use an approved and compatible lead rated for this appliance. Follow all the instructions supplied with the extension lead.

<sup>†</sup>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.

# 6. TECHNICAL DESCRIPTION

## 6.1 IDENTIFICATION



(1) On/off switch.

(2) Circuit breaker button.

(3) Reamer knob.

(4) Plunger.

(5) Collection box catch.

(6) Collection box.

(7) Top feed housing.

(8) Hopper.

(9) Feed chute

(10) Wheel and cover.

(11) Support feet.

# 7. UNPACKING AND CHECKING

## 7.1 PACKAGING

Carefully remove the product from the packaging and examine it for any sign of damage that may have happened during shipping. Lay the contents out and check them against the parts shown below. If any part is damaged or missing, please contact the Draper Help Line (the telephone number appears on the Title page) and do not attempt to use the product.

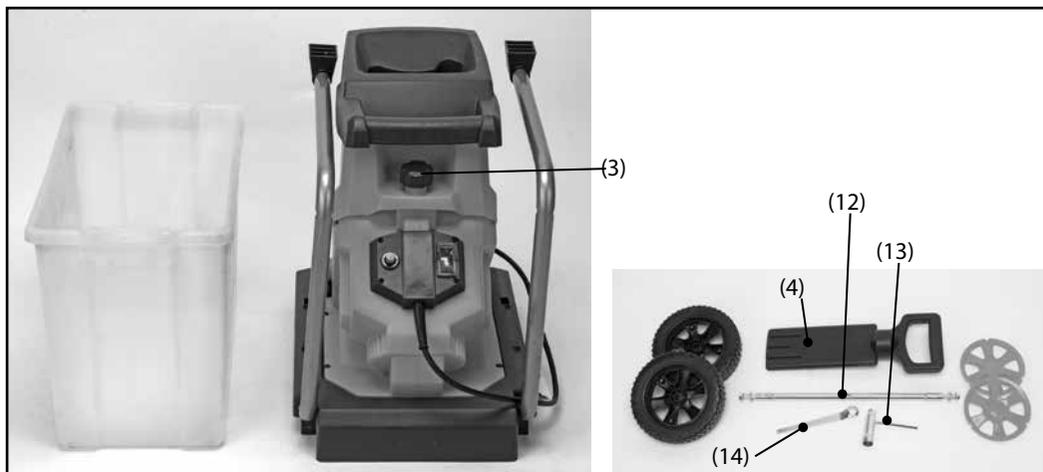
The packaging material should be retained at least during the warranty period, in case the machine needs to be returned for repair.

### Warning!

- Some of the packaging materials used may be harmful to children. Do not leave any of these materials in the reach of children.
- If any of the packaging is to be thrown away, make sure they are disposed of correctly, according to local regulations.

## 7.2 WHAT'S IN THE BOX

As well as the main product, there are several parts not fitted or attached to it.



(12) Wheel axle.

(13) Hex key.

(14) Spanner.

**Note:** For details of our full range of accessories and consumables, please visit [drapertools.com](http://drapertools.com)

## 8. PREPARING THE SHREDDER

### 8.1 ASSEMBLY – FIGS. 1 - 5

1. With the machine upside down turn the two feet to the appropriate location (Fig.2).
2. Place the axle bar between the legs and mount the wheels ensuring the nut is not too tight (Figs 3 & 4). Attached wheel cover (Fig 5) and turn the machine the right way up.
3. Lift up the collection box catch (5) and slide the collection box to the appropriate location and release catch to secure.
4. Tighten the reamer knob (3). The reamer knob has a safety switch, ensure the knob is tightened or the motor will not activate.

**NOTE:** It is dangerous to use the machine without the hopper (8).



FIG. 1



FIG. 2

### 8.2 PREPARATION

Before using the machine, read the instructions thoroughly and acquaint yourself with the features of the machine.

1. Inspect the material to be shredded before starting. Remove any objects or debris that could be thrown, jammed or become entangled in the blades. Remove any soil from root balls. Foreign bodies like stones, glass, metals, fabrics, or plastics must not enter the in-feed chute, these could damage the blades.
2. Always place the machine on firm level ground. During operation, do not tilt or move.
3. Allow the cutting blades to reach full speed before feeding the material into the in-feed chute.
4. Use the machine to shred the following materials only:
  - Twigs and branches (Max. diameter 40mm)
  - Waste from pruning bushes
  - Waste from trimming hedges
  - Plant material and other garden waste
  - Leaves and plant roots (remove soil from roots before shredding)
5. Feed the material to be shredded into the corner of the in-feed chute, if it is not too bulky, the material will be drawn in by the blades.
6. Do not over fill the in-feed chute.
7. **Warning:** Material extending out from the machine could lash out. Please keep at safe distance.
8. Ensure the shredded material can fall freely from the discharge chute.
9. To make finer compost, shred for a second time.
10. Do not allow the shredded material to build up and block the discharge chute. If it does, it could reach the cutting blades and be thrown out of the in-feed chute.
11. Organic material contains a large amount of water and sap that can stick to the shredder. To avoid this, material should be left for a few days to dry out. Large branches however are best shredded when they are fresh.
12. Switch off and unplug from the mains before investigating if:
  - The blade stalls
  - Any foreign objects are struck
  - Unusual noises/vibrations
  - The appliance becomes clogged.

Before restarting:

- Inspect for damage
- Replace or repair any damaged parts
- Check for and tighten any loose parts

Allow the machine to cool for at least 1 minute before restarting the machine.

13. Keep the motor cooling vents clean of debris and other accumulations to prevent damage to the motor or possible fire.
14. When not in used and under supervision, make sure the machine is off and unplugged from the mains.
15. Do not allow processed material to build up in the discharge zone; this may prevent proper discharge and can result in kickback of material through the feed intake opening.



FIG. 3



FIG. 4



FIG. 5

## 9. OPERATING THE SHREDDER

### 9.1 START UP OPERATION – FIGS. 6 - 7

Press the switch (1) marked “I” to start and marked “O” to stop the motor.

Press the “circuit breaker” button (2) if the machine does not work, ensure you have connected to the power supply.

When the motor has been running for a few seconds you can commence shredding.

The circuit breaker will be activated if the motor is being overloaded either by too much material being put into the machine or the blades jamming.

When the circuit breaker has been activated switch-off the shredder and disconnect the power supply.

- a. Unscrew the reamer knob (3) at the base of the turret and open top section.
- b. Remove the debris or obstruction from the cutting area.
- c. Return the top section and tighten the reamer knob.
- d. Leave motor a few minutes to cool down.
- e. Reconnect to the power supply and press the circuit breaker button.
- f. When ready to start shredding press the “I” switch (1).

**Warning:** NEVER slacken off the reamer knob (3) without having turned off the On/Off switch and pulled the plug out off the socket.

**Warning:** The shredder will stop within 5 seconds after switching off.

### 9.2 USING THE PLUNGER – FIG. 8

There is a plunger provided to aid feeding less bulky material such as small twigs, leaves, other garden waste and vegetation into the in-feed chute.

1. Load the material into the hopper.
2. Insert the plunger (4) into the in-feed chute pushing the material onto the blade disc.
3. Wait until all the material has been shredded before adding more material.

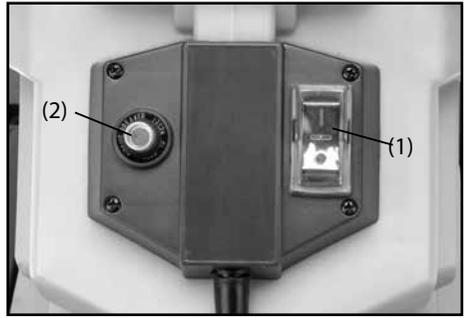


FIG. 6



FIG. 7

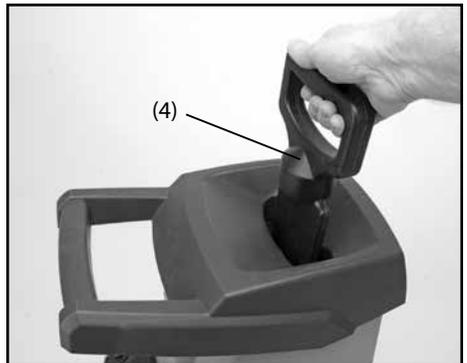


FIG. 8

## 9. OPERATING THE SHREDDER

### NOTE:

Your fingers must never enter the in-feed chute.  
Never use the tool if the hopper is not fitted.  
Do not over reach.

### 9.3 COLLECTING THE SHREDDED MATERIAL – FIG. 9

Shut-off the power unit before attaching or removing the box.

You can use either the collection box supplied or place the shredder on a tarpaulin sheet to catch the shredded material.

When using the collection box, you need to lift up the collection box catch (5) and slide the collection box to the appropriate location and release catch to secure.

**Warning:** The ventilation slots on the machine body must never be covered by the collection box or shredded material.

### 9.4 REPLACING BLADES – FIGS. 10 - 12

1. Ensure that the shredder is switched off and disconnected from the mains supply.
2. Remove the top feed housing by unscrewing the reamer knob (3) securing it to the body of the machine.
3. The blades have two cutting edges. When the blades become worn they can be reversed to use the second cutting edge.
4. It is recommended that work gloves be used when replacing the blades.
5. Clean the blades and the blade disc of any debris of residue before refitting the blades.
6. Lock the blade disc using hex spanner. Unscrew the two inner hexagonal headed screws and note the position of the cutting angle of the blade.
7. Remove the blade and rotate it through 180 degrees and fit the blade to the blade disc ensuring that the ground cutting edge is facing downwards.
8. Repeat this for the other blade.

When both cutting edges of the blade have become worn they must be replaced as a pair. The blades can be re-sharpened, but this must be done by an experienced person using an oil stone. We do not recommend this be done as the weight of each blade is critical to maintain the balance of the cutting disc. Any imbalance could cause damage to the machine and possible injury to the operator.

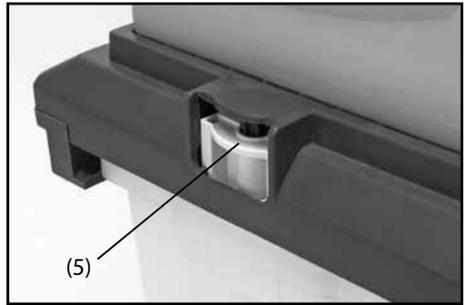


FIG. 9

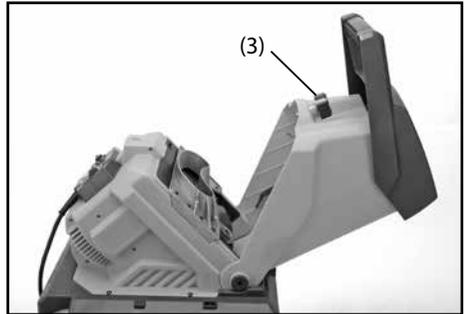


FIG. 10



FIG. 11



FIG. 12

# 10. MAINTENANCE AND TROUBLESHOOTING

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## 10.1 MAINTENANCE

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your tool in good working condition.

1. **Warning:** During maintenance and cleaning ensure the machine is disconnected from the mains.
2. When the appliance is stopped for servicing, inspection, or storage, or to change an accessory, switch off and pull the plug from the mains supply before making any inspections, adjustments, etc.
3. If an extension cord is used it shall not be of lighter grade than the supply cord already fitted to the appliance.
4. Check the supply and any extension cord regularly for damage or signs of ageing. Do not use the appliance, if the cords are damaged.
5. When servicing the cutting means be aware that, even though the motor will not start due to the interlock feature of the guard, the cutting means can still be moved if the motor is turned by hand.
6. Never attempt to override the interlock feature of the top feed housing.
7. Remove deposited matter from the machine using a brush.
8. Always clean the machine after use. Clean the plastic body and plastic parts using soap and a moist cloth. Do not use aggressive agents or solvents for cleaning.
9. Never clean the shredder with a jet of water or by rinsing. Make sure that no water is allowed to enter into the shredder.

## 10.2 TROUBLESHOOTING GUIDE

Problem	Possible Cause	Remedy
Motor does not start.	1. Fuse.	1. Replace/reset 13 amp time delay fuse or circuit breaker.
	2. Unsure.	3. Return to an authorised service agent for diagnosis.
Poor shredding performance.	1. Blunt blades.	1. Replace blade.
	2. Blade incorrectly mounted.	2. Remove and refit blade as per instructions.

# 11. EXPLANATION OF SYMBOLS

## 11.1 EXPLANATION OF SYMBOLS



Read the instruction manual.



Wear safety glasses.



Wear ear defenders.



Wear protective gloves.



**Warning!**



Safety cut-out facility.



**Danger!**

Risk of flying debris.



Remove plug from power supply before carrying out any maintenance & when not in use.



**Warning!** Sharp objects.



**Warning!**

Keep bystanders away.



Pay more attention to the operator's hands and feet to avoid injury.



Do not operate the machine indoors.



Class II construction  
(Double insulated).



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



Continuous A-Weighted Sound  
Pressure Level.

# 12. DISPOSAL

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## 12.1 DISPOSAL

- At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to national regulations.
- Contact your local authority for details of collection schemes in your area.

In all circumstances:

- Do not dispose of power tools with domestic waste.
- Do not incinerate.
- Do not dispose of WEEE\* as unsorted municipal waste.



\* *Waste Electrical & Electronic Equipment.*

## **CONTACTS**

Draper Tools Limited, Hursley Road,  
Chandler's Ford, Eastleigh, Hampshire. SO53 1YF. U.K.

Help Line: (023) 8049 4344

Sales Desk: (023) 8049 4333

Internet: [drapertools.com](http://drapertools.com)

E-mail: [sales@drapertools.com](mailto:sales@drapertools.com)

General Enquiries: (023) 8026 6355

**Service/Warranty Repair Agent:**

For aftersales servicing or warranty repairs, please contact the Draper Tools Help Line for details of an agent in your local area.

## **YOUR DRAPER STOCKIST**

TAJB0121

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