

# CHALLENGE 2500W Shredder

7176092  
(Model: GY6000)

Original Manual



**challenge**<sup>®</sup>



After Sales Support  
UK/Ireland  
**0343 515 1906**

**Important** - Please read these instructions fully before starting assembly

These instructions contain important information that will help you get the best from your mower, ensuring it is assembled correctly and safely.

If you need help or have damaged or missing parts, call the Customer Helpline on **0343 515 1906**.

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## Intended Purpose

The shredder is intended for shredding fibrous and wood-related materials such as hedge and tree cuttings, branches, bark and pine cones.

Any use not expressly permitted in this manual may damage the shredder and pose a serious danger to the user.



**Do not put stones, glass, metal, bones, plastics or fabrics into the shredder.**

The operator or user is responsible for accidents and injury or damage to third parties.




The manufacturer will not be held responsible for any damage caused by improper operation or use outside of intended usage..

# Safety Information

Important - Please read these instructions fully before starting assembly

-  This shredder may cause serious injuries if improperly used. Before using the shredder, read the user manual carefully and familiarise yourself with all of the controls. In cases of uncertainty, ask an expert for advice. Keep the manual in a safe place and pass it on to any subsequent owner to ensure that the information contained therein is available at all times.
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## Symbols used in the instructions

-  Hazard symbols with information on prevention of personal injury and property damage.
-  Precaution symbol (other symbol may be used instead of exclamation mark) with information on prevention of harm / damage.
-  Notice symbol with information on how to handle the device properly.

## Symbols on the shredder

-  Warning!
-  Read the manual.
-  Wear ear and eye protection.
-  Do not use as a stepping.

# Safety Information

Important - Please read these instructions fully before starting assembly

## Symbols on the shredder (continued)



Do not expose the unit to rain.



Caution! Switch off the motor and disconnect from the mains before adjustment or cleaning work, or if the cable is caught or has been damaged.



Warning! Risk of injury by rotating blade!



Danger-Rotating blades. Keep hands and feet out of openings while machine is running.



Warning! Danger from thrown objects.



Keep your distance from the feeder and ejection area, and keep others away from the danger area.



Caution!  
Moving blade.



Warning! Electric shock hazard.



Always unplug the shredder before working on it.



Guaranteed noise power level.

## Safety Information

Important - Please read these instructions fully before starting assembly

### Symbols on the shredder (continued)



Do not dispose of electrical equipment in the domestic waste.



Safety class II

**IPX4** Degree of protection against liquids.

**P40** Machine operated intermittently each cycle comprising a period of operation of 40s at rated power input and a period of 60s with the machine at no load.

**CE** The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.

### General Safety



**IMPORTANT!** Read carefully before use and keep for future reference.

- The device must not be used by people (including children) with limited physical, sensory or mental faculties or who lack the necessary experience and/or knowledge - unless they are supervised by a person responsible for safety or are being instructed to operate the shredder by such a person.


# Safety Information

Important - Please read these instructions fully before starting assembly

## General Safety (continued)

- Keep children and pets at a safe distance away from the device. Children must be supervised in order to ensure that they do not play with the equipment.
- Never allow children or other persons unfamiliar with the user manual to use the shredder. Local regulations or bylaws may determine the minimum age for using the shredder.

 Observe noise control and local regulations.

 **CAUTION!** When using power tools, observe the following basic safety measures for the prevention of electric shocks and the risk of injury and fire:

### Preparation Training

Become familiar with the instruction manual before attempting to operate this equipment.

- Never use the shredder with other persons or animals nearby.
- Wear hearing and eye protection at all times when using the shredder.
- Wear appropriate protective clothing such as protective gloves, firm footwear and long trousers. Do not wear loosely fitting clothes or clothes with dangling cords or belts.
- Only use the shredder in the open (that is, away from walls or other rigid structures) on a firm, level surface.
- Do not use the machine on a paved, gravelled area, which could be damaged by ejected material.



## Safety Information

Important - Please read these instructions fully before starting assembly

### General Safety (continued)

- Before you start up the shredder, check that all of the nuts, bolts and other fastenings are tight. Covers and shields must be fastened properly and in good working order. Replace any damaged or illegible stickers.
- Only use replacement parts and accessories supplied and recommended by the manufacturer. Using third-party parts will immediately invalidate the guarantee.
- Do not leave the shredder working unattended and keep it in a dry place out of children's reach.
- While being used in the open, connect the shredder to a residual current (RC) circuit breaker with a trip current of not more than 30 mA.
- When servicing the cutting means be aware that, even though the power source will not start due to the interlock feature of the guard, the cutting means can still be moved by a manual starting mechanism.
- Shut-off the power unit before attaching or removing the bag.
- Keep all guards and deflectors in place and in good working condition.

### Working with the device

- Make sure that the funnel feeder is empty before you start the shredder.
- Keep your head, hair and body away from the intake opening.
- Do not reach into the funnel feeder during operation. The shredder will continue to run for a short period after you switch it off.
- Always make sure you are standing in a firm, balanced





## Safety Information

Important - Please read these instructions fully before starting assembly

### General Safety (continued)

position. Do not lean forwards, and never lean over the shredder when inserting materials.

- Make sure that the material inserted into the shredder does not contain hard objects made of metal, stone, glass or similar.
- Do not use the shredder in the rain and in bad weather. Work in daylight or under good lighting conditions.
- Do not operate the shredder when you are tired or distracted, or under the influence of alcohol or medication. Always take a break when you need one and be sensible about how you work.
- Switch the shredder off and pull the plug under the following circumstances:

When you are not using the device, transporting it or leaving it unattended; before releasing a jammed blade.

When you are checking the device, cleaning it or removing blockages;

When you are carrying out cleaning or maintenance work or replacing accessories;

Before moving or lifting the shredder

If foreign objects should enter the shredder, if the shredder is making unfamiliar noises or vibrations (check the shredder for damage before starting it up again)

- Do not allow shredded material to accumulate near the ejection area. This may otherwise hinder proper ejection and force the material back up through the feeder.
- Do not transport or tip the shredder with the motor running.



## Safety Information

Important - Please read these instructions fully before starting assembly

### General Safety (continued)

- Keep hands, other body parts and clothing out of the filling chamber and ejection channel and away from other moving parts.
- In the event of blockages in the machine intake or ejection, switch off the motor and disconnect the machine from the mains before removing leftover material in the intake opening or ejection channel. Ensure that the motor is free of rubbish and other accumulations in order to safeguard the motor from damage or possible fire.
- Remember that the cutting tool is also activated when the starting mechanism is started on a motor operated machine.



**CAUTION!** The following states how damage to the trimmer and possible injury to people can be avoided:

- Handle the unit with care. Clean the ventilation slits regularly; keep to the maintenance instructions.
- Do not overload your device. Work only within the indicated range of performance. Do not employ any low power machines for heavy work. Do not use your device for purposes for which it has not been designed.
- Only switch the shredder off once the funnel feeder is completely empty since the shredder may otherwise clog up and not be able to start afterwards.
- Do not attempt to repair the shredder yourself unless you are qualified to do so. Any work not specified in this manual may only be carried out by a qualified service centre.



## Safety Information

Important - Please read these instructions fully before starting assembly

### General Safety (continued)

#### Electrical safety



**CAUTION!** The following states how to avoid accidents and injuries due to electric shock:

- Damaged cables, coupling and plugs or connecting leads not corresponding to specifications, must not be employed. Remove the plug immediately from the plug socket in case of damage to the mains cable.

Do not touch the mains power supply cable under any circumstances until you have pulled the plug out of the mains socket.

- If the power cable for this equipment is damaged, it must be replaced by the manufacturer, a customer service agent of the same or a similarly qualified person in order to prevent hazards.
- Do not use the appliance if the on/off switch does not work properly. Always have a damaged switch repaired by our a qualified technician.
- Only use extension cables that have been approved for outdoor use and are resistant to splash water. The core diameter for extension cables measuring up to 25 m must be at least 1.5 mm<sup>2</sup>, and 2.5 mm<sup>2</sup> for cables longer than 25m. Always roll the whole cable off the reel before use. Check the cable for damage.
- Do not unplug the shredder pulling on the cable, only pull the plug itself. Keep the cable away from heat, oil and sharp edges.



## Safety Information

Important - Please read these instructions fully before starting assembly

### General Description

#### **Functional description**

The shredder has a powerful electric motor with overload protection. Cutting is performed by a system of fast rotating.

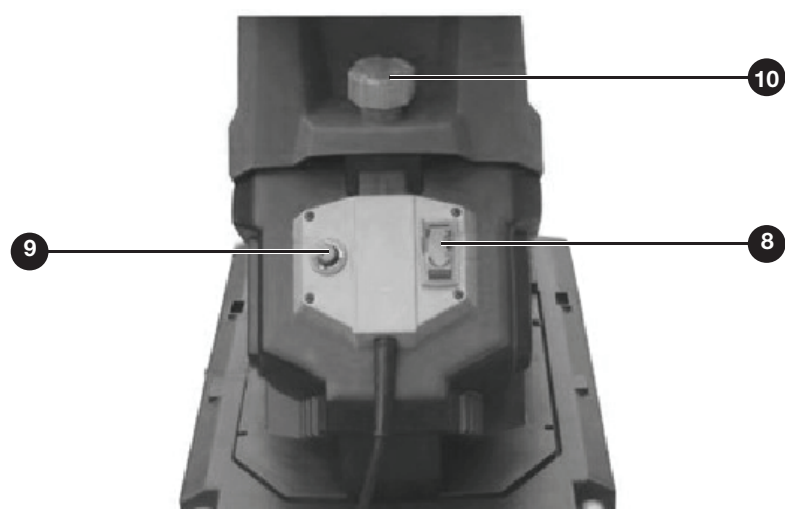
Refer to the following descriptions for a functional description of the various components and controls.

# In the Box

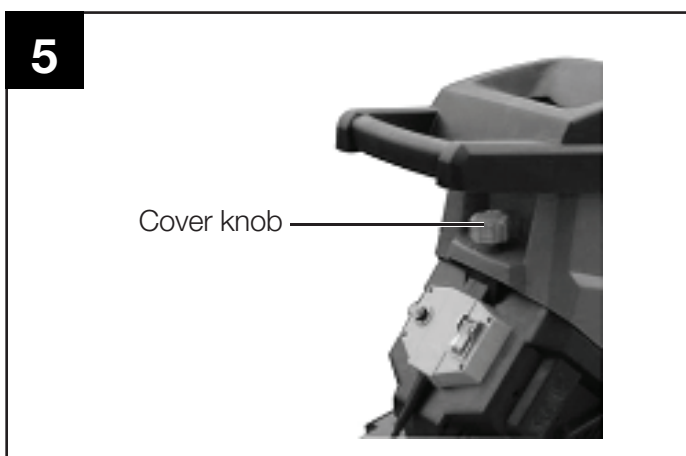
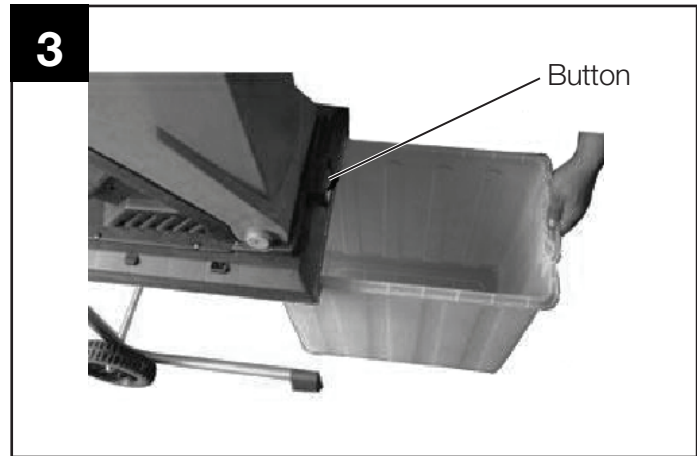
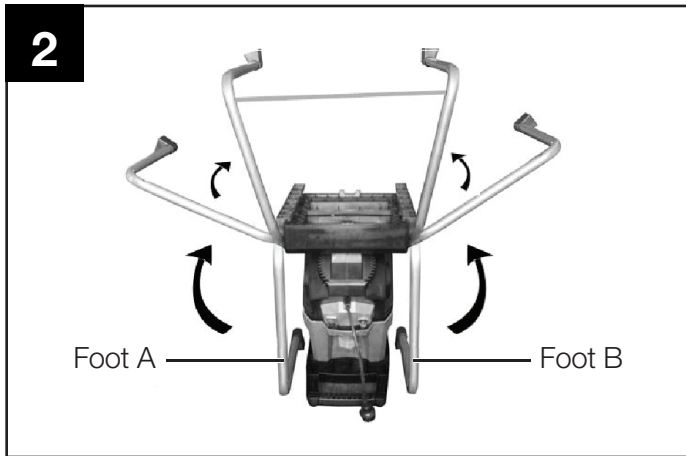
## Parts

- |                 |                  |                   |               |
|-----------------|------------------|-------------------|---------------|
| 1 Hopper        | 4 Collection box | 7 Feet            | 10 Cover knob |
| 2 Shredder body | 5 Frame          | 8 Main switch     |               |
| 3 Motor cover   | 6 Chassis        | 9 Circuit breaker |               |

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# Assembly



- Turn on the Foot A and Food B to the appropriate location (Fig.2) ,then upside down the machine.
- Mount the wheel in the same order illustrated in fig 5 ensure the nut is not too tight.
- Lift up the button, push the collection box track to the appropriate location (Fig 3).
- Tighten the cover knob. The cover knob has a safety switch please ensure the knob is tightened or the motor will not activate. (Fig. 5)
- **NOTE:** It is dangerous to use the machine without the hopper. (Fig. 6)

# Operation

## Start- up



Check that the mains voltage matches the rating on the name plate.

Hook the collection box into right place.

## ON/OFF Operation

Press the switch marked “1” to start and marked “0” to stop the motor.

## Emptying the Collection Box



Avoid filling the collection bag too much. Mind that the bag will fill unevenly under the discharge duct!

- Turn off the unit.
- Remove and empty the collection bag **4**.

## Overload Protection

Press the “circuit breaker” button 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 in the following circumstances:

- a. A build up of shredded material around the cutting disc.
- b. If the material being shredded is greater than the motor capacity.
- c. Where there is too much resistance against the cutting blade.

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

- a. Unscrew the reamer knob 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 “1” switch.

## Restart Prevention

The unit will not automatically restart when the power returns after a power cut. To restart the unit, turn the on/off switch to “off” then back to “on”.

# Usage

## General Working Instructions



**Keep your body at a safe enough distance from the shredder as long branches may be spun round while being drawn into the shredder.**



Wear ear and eye protection.



Wear hand protection.

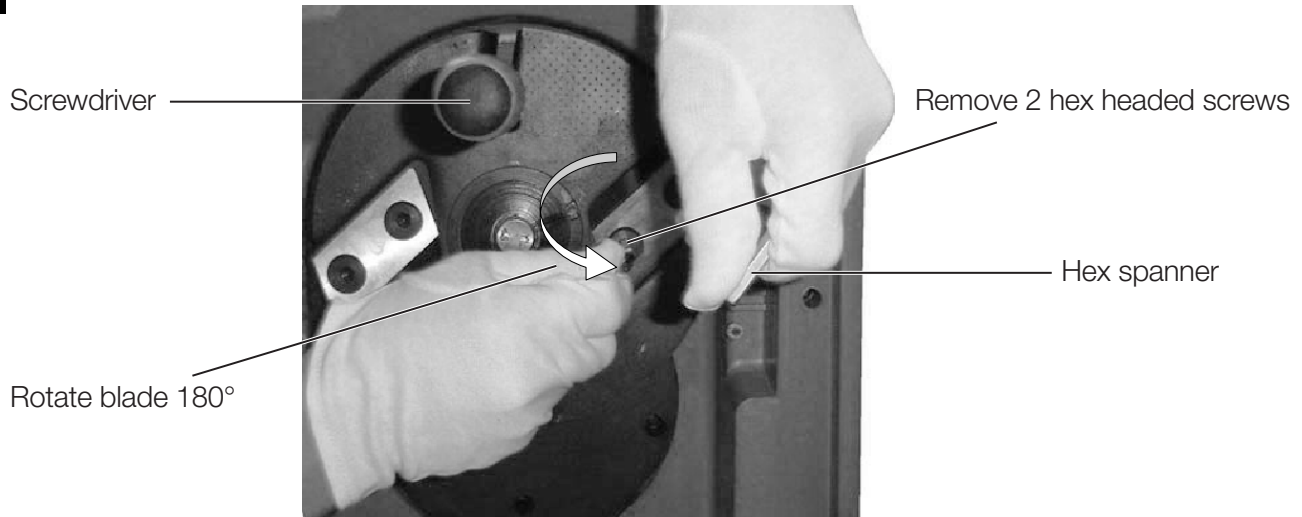
- When feeding branches into the unit, keep holding them firmly until they are automatically drawn in.
- Adapt to the speed of the shredder and avoid overloading the unit.
- To avoid the unit clogging up, mix freshly cut branches or leafy material with drier materials such as twigs
- To prevent the blades from becoming blunt quickly, remove mud and stones from the roots before shredding.
- Do not shred but directly compost all soft and wet material such as kitchen waste.
- Keep a couple of dry branches to use them for cleaning the unit at the end.
- Do not turn off the unit until all the material has passed the blades. Remaining material may otherwise block the blade when you restart the unit.



# Usage

## Replace the Blades

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- Ensure that the shredder is switched off and disconnected from the mains supply.
- Remove the top feed assembly by unscrewing the reamer knob securing it to the body of the machine.
- The blades have two cutting edges. When the blades become worn they can be reversed to use the second cutting edge.
- It is recommended that work gloves be used when replacing the blades.
- 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.
- 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.

Repeat this for the other blade.

# Usage

## Reversing, Sharpening, Replacing the 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.

# Maintenance

## Maintenance and Cleaning



**Warning:** During maintenance and cleaning ensure the machine is disconnected from the mains.

- 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.13
- If an extension cord is used it shall not be of lighter grade than the supply cord already fitted to the appliance.
- Check the supply and any extension cord regularly for damage or signs of ageing. Do not use the appliance, if the cords are damaged.
- 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.
- Never attempt to override the interlock feature of the guarding.
- Remove deposited matter from the machine using a brush.
- 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.
- Never clean the shredder with a jet of water or by rinsing. Make sure that no water is allowed to enter into the shredder. Use only the recommended.

# Troubleshooting

## General Troubleshooting

The following table provides solutions to common problems encountered with the shredder.

<b>Fault</b>	<b>Possible Cause</b>	<b>Solution</b>
Motor will not start	No mains power supply	Check the socket, cable, lead and plug for damage, and if necessary, have any damage repaired by qualified repair personnel.
	Overload protection tripped	Wait until the motor has cooled down, then press the Reset button and restart the unit
	Lid of housing not closed properly	Tightly screw in the housing interlock
Garden waste is not drawn in	Shredding material is too soft	Use the pusher or add dry twigs/branches
	Unit blocked	See section "Clearing a Blockage"
	Shredding material in discharge duct	Remove shredding material from discharge duct
Unit won't shred properly	Blades are blunt	Check and turn, sharpen or replace blades as necessary (see section "Sharpening, reversing, replacing the blades" )

## Technical Data

### Technical Data Table

<b>Specification</b>	<b>Value</b>
Nominal power intake	2500W (P40)
Voltage	230-240 V ~50 Hz
Insulation protection class	□ II
Degree of protection	IPX4
Idling speed	4050min <sup>-1</sup>
Branch thickness	max. 40 mm
Volume of collection bag	ca. 50 l
Weight	14.1 kg
Sound pressure level (LpA)	95.7 dB(A) K=3 dB(A)
Sound performance level (guaranteed)	111 dB(A)

# Technical Data

## Technical Data Table (continued)

The max. branch thickness that can be shredded is dependent on the type of wood and the quality of the material being cut.

For hard wood (e.g. oak/beech branches), the max. branch thickness that can be shredded is less than for soft wood (e.g. pine/spruce wood). For dry or knotted wood, the cutting thickness may also be less.

If in doubt, check with your local electricity provider to verify that your mains socket has enough continuous current carrying capacity for this unit.

Noise and vibration values were determined according to the standards and stipulations mentioned in the declaration of conformity.

Technical or visual modifications may be carried out during our continuous product improvement programmes. All dimensions, references and information of this instruction manual are therefore subject to change without prior notice. Legal claims, which are made on the basis of the instruction manual, cannot thus be considered as valid.

# Disposal

## Disposal and Recycling



Do not dispose with household waste.

Recycle products and components according to local legal requirements.

## Getting Help

**After sales helpline number: 0343 515 1906**