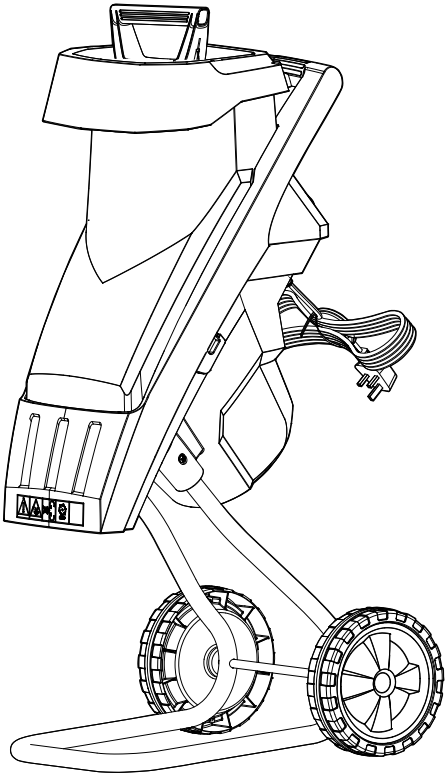
LawnMaster®

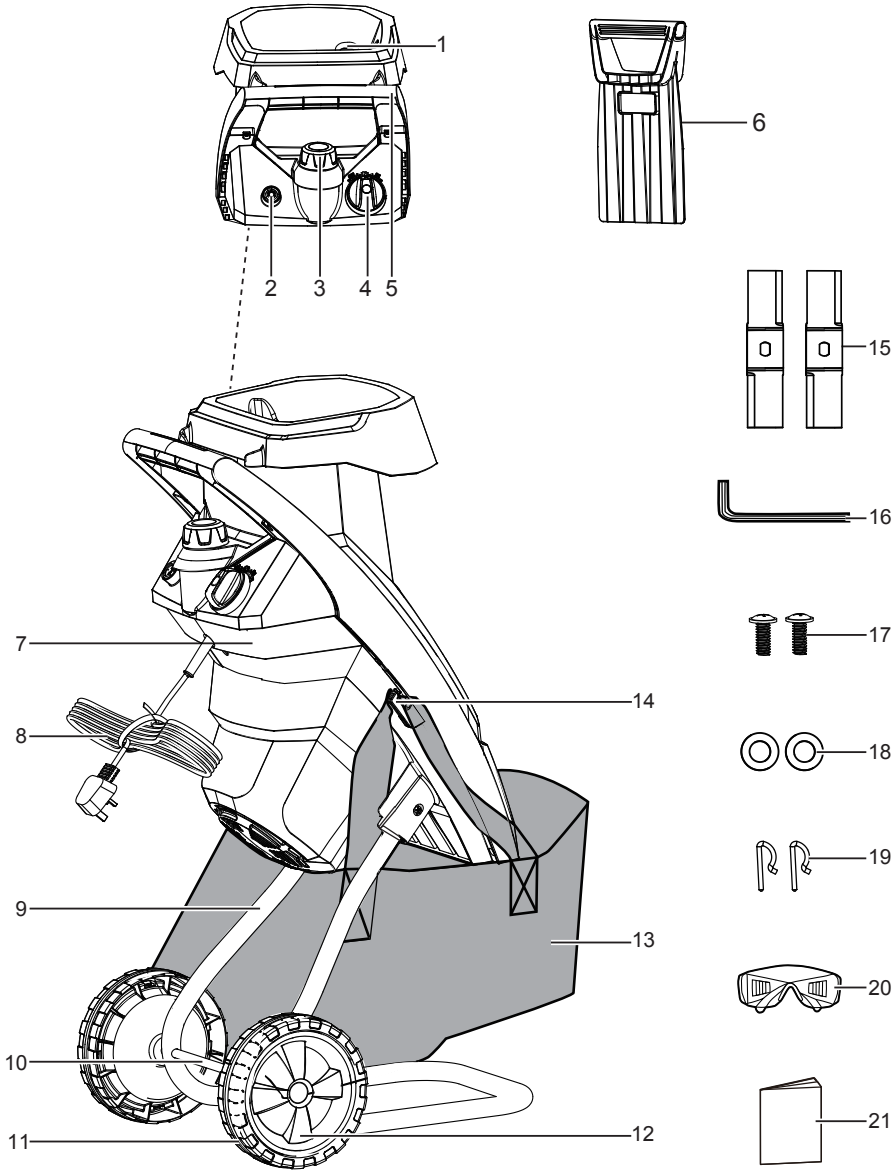
Instruction Manual

2400W Garden Shredder FD2402



Original Instructions

WARNING: Read all safety instructions carefully before assembling and operating this machine. Ensure the machine has been assembled correctly and safely. Keep the instructions safe and pass them on to any subsequent user so that the information is always available.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SYMBOLS

The following warning symbols appear throughout this manual and indicate the appropriate safety measures you should take when operating and maintaining the appliance.

SYMBOL	DESIGNATION/EXPLANATION
	Caution
	Read instruction manual.
	Wear eye and ear protection.
	Wear hand protection.
	Do not expose to rain.
	Switch off and remove the plug from the mains before adjusting, cleaning or if the cord is entangled or damaged.
	Danger! Rotating blades. Keep hands and feet out of openings while the machine is running.
	WARNING! Danger from flying objects. Keep your distance from the funnel and ejection area. Keep bystanders away.
STOP	Wait until all machine components have completely stopped before touching them.
	Do not use as a step.
Lwa 107 dB	Noise level specification Lwa in dB(A).
	Protection class II (Double insulation).
	Do not dispose of electrical equipment in domestic waste.
IP24	Protection against contact with the fingers and solid foreign bodies with Ø≥12.5mm, as well as protection against splashed water from all directions.
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.

SYMBOLS

⚠ WARNING

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the instruction manual.
If you do not understand the warnings and instructions in the instruction manual, do not use this product.

SAFETY INFORMATION

IMPORTANT

READ CAREFULLY BEFORE USE. KEEP FOR FUTURE REFERENCE.

⚠ IMPORTANT!

When using this equipment, the following safety precautions must be followed to avoid injuries and damage.

- Read the instructions carefully. Be familiar with the controls and the proper use of the machine.
- Never allow people unfamiliar with these instructions or children to use the machine. Local regulations may restrict the age of the operator.
- The operator or user is responsible for accidents or hazards occurring to other people or their property.
- Keep this manual in a safe place so that the information is available at all times.

SAFETY INFORMATION

- If you give the equipment to any other person, give them these operating instructions as well.
- We accept no liability for damage or accidents which result from non-compliance with these instructions.
- Observe local noise and other regulations.

Preparation

- This appliance must not be used by people (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children must be supervised to ensure that they do not play with the appliance.
- Never operate the shredder while people, especially children, or pets are nearby.
- Wear appropriate ear and eye protection at all times when operating the shredder.
- Wear appropriate protective clothing, such as protective gloves, firm footwear and long trousers. Do not operate the shredder when barefoot or wearing open sandals. 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) and on a firm, level surface.
- Do not operate the shredder on a paved or gravel surface where ejected material could cause injury.
- Before use, always visually inspect to see that the shredding means, 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.

- Before use, check the power supply and extension cord for signs of damage or aging. If the cord becomes damaged during use, disconnect the cord from the supply immediately. DO NOT TOUCH THE CORD BEFORE DISCONNECTING THE SUPPLY. Do not use the machine if the cord is damaged or worn.
- For your personal safety use replacement parts and accessories supplied and recommended by the manufacturer.
- Only supply power to the machine through a circuit protected by a residual current device (RCD) with a tripping current of not more than 30mA.
- Keep all guards and shields in place and in good working condition.

Operational Safety

- Before starting the shredder, make sure that the hopper funnel is empty.
- Keep your head, hair and body away from the intake opening.
- Do not reach into the hopper funnel during operation. The shredder will continue to run for a short period after switching it off.
- Keep hands, other body parts and clothing out of the filling chamber and ejection channel, and away from other moving parts.
- Always make sure you are standing in a firm, balanced position. Do not overreach. Do not lean forwards, and

SAFETY INFORMATION

never stand above the shredder when inserting materials.

- Always stand clear of the discharge zone when operating this machine.
- 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 or in bad weather. Work in daylight or under good artificial 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.
- Do not leave the shredder working unattended.
- Shut off the shredder before attaching or removing the collection bag.
- If the shredder is making unfamiliar noises or vibrations, or the cutting mechanism has struck any foreign objects, immediately switch it off, and allow the shredder to stop. Disconnect the power cable and take the following steps before starting up again:
  - inspect for damage,
  - replace or repair any damaged parts,
  - check for and tighten any loose parts.
- Switch off the shredder and remove the plug from the power supply under the following circumstances:
  - when you are not using the shredder,
  - transporting it or leaving it unattended,
  - before releasing a jammed blade,
  - when you are checking the shredder, cleaning it or removing blockages,
  - when you are carrying out cleaning or maintenance work or

SAFETY INFORMATION

replacing accessories,
- before moving or lifting the shredder.

- Do not transport or tilt the shredder with the motor running.
- 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 funnel.
- In the event of blockages in the machine intake or ejection channel, 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.

⚠ CAUTION

The following states how damage to the shredder and possible injury to people can be avoided:

- Handle the unit with care. Clean the ventilation slots regularly and follow the maintenance instructions.
- Do not overload your device. Work only within the indicated range of performance. Do not use low power machines for heavy-duty work. Do not use your device for purposes for which it has not been designed.
- Only switch the shredder off once the hopper funnel is completely empty. 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.

SAFETY INFORMATION

Maintenance and Storage Safety

- When the shredder is stopped for servicing, inspection, or storage, or to change an accessory, shut off the power source, disconnect the plug from the supply and make sure that all moving parts have come to a complete stop. Allow the shredder to cool before making any inspections, adjustments, etc. Maintain the machine with care and keep it clean.
- Store the shredder in a safe, dry place out of the reach of children.
- Always allow the shredder to cool before storage.
- When servicing the shredder blade, be aware that even though the power source is switched off due to the interlock feature of the guard, the shredder blade can still be moved.
- Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.
- Never attempt to override the interlocked feature of the guard.

Electrical safety

⚠ CAUTION

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

- Only use extension cables that have been approved for outdoor use and are earthed and splash-proof. The core diameter for extension cables measuring up to 25m must be at least 1.5mm^2, and 2.5mm^2 for cables longer than 25m. Always roll the whole cable off the reel before use. Check the cable for damage. If the cable is damaged whilst

SAFETY INFORMATION

the shredder is working, disconnect the mains plug from the power supply immediately and then check the extent of the damage. Never use the shredder if the cable is not in perfect condition.

- Do not unplug the shredder by pulling on the cable, only pull the plug itself. Keep the cable away from heat, oil and sharp edges.
- Do not use the appliance if the on/off switch does not work properly. Always have a damaged switch repaired by a qualified technician.
- Do not touch the mains power supply cable under any circumstances.
- If the power cable for this equipment is damaged, it must be replaced by a qualified person in order to prevent hazards.

Intended Use

This shredder is designed for domestic use only:

- 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.
- This product is intended for private domestic use only, not for any commercial trade use. It must not be used for any purposes other than those described. Any use of the machine that deviates from its intended use and is not included in these instructions is considered unauthorised use and relieves the manufacturer from his or her legal liability.

IN THE BOX

1. Hopper
2. Reset Button
3. Housing Interlock
4. On/Off Switch
5. Handle
6. Pusher
7. Shredder Unit
8. Power Cord
9. Chassis
10. Axle
11. Wheel
12. Wheel Cover
13. Collection Bag
14. Bag Mount
15. Blade (x2, With 1 Blade Pre-Installed inside the Shredder Unit)
16. Allen Key (Stored Inside the Shredder)
17. Screw (x2)
18. Washer (x2)
19. Split Pin (x2)
20. Safety Glasses
21. Instruction Manual

ASSEMBLY

Assembly Preparation

- Carefully remove all contents from the product packaging.
- Ensure you have all the accessories and tool(s) needed for assembly and operation. This also includes suitable personal protective equipment.

⚠ WARNING

If any parts are damaged or missing do not operate this product until the parts are replaced. Failure to pay attention to this warning could result in serious personal injury.

⚠ WARNING

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

⚠ WARNING

Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

ASSEMBLY

⚠ WARNING

Never operate the shredder without the proper safety devices in place and in correct working order. Never operate the shredder with damaged safety devices. Failure to pay attention to this warning can result in serious personal injury. Make sure all packing is removed from product parts before starting assembly.

Assembling the Wheels *(See Fig. 1)*

- Slide the axle into the chassis.
- Slide the two wheels onto the chassis axle. Slip the washers (①) onto the axle and push the split pins (②) through the appropriate holes in the axle (Fig. 1).
- Clip the wheel covers onto the wheels.

Assembling the Chassis to Shredder Unit *(See Figs. 2&3)*

- Rest the shredder unit on the hopper (upside down). Push the wheel chassis into the 2 holes in the plastic housing of shredder. Secure with 2 screws provided (Fig. 2 & 3).

Attaching the Collection Bag *(See Fig. 4)*

- Stand the shredder upright and hook the collection bag into the bag mounts as shown (Fig. 4).

OPERATION

⚠ WARNING

Do not allow familiarity with this type of product to make you careless. Always pay attention when operating this product, not doing so can result in serious injury.

⚠ WARNING

Always use protective equipment when working with the shredder. Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

OPERATION

⚠ WARNING

Keep proper balance and footing at all times. Do not overreach. Never stand at a higher level than the base of the machine when feeding material into it.

Starting/Stopping the Shredder *(See Fig. 5)*

NOTE: Make sure that the hopper funnel is empty before starting. Starting the hopper when full may result in the machine jamming.

- Connect the machine to a suitable power supply.
- Set the On/Off switch to “ON” to turn on the shredder (Fig. 5). Feed the material to be shredded into the opening of the hopper. The material is drawn in and shredded.
- Set the On/Off switch back to “OFF” to turn off the shredder (Fig. 5). It will continue to run for a few seconds after switching off.

Clearing a Blockage *(See Figs. 6-8)*

Before starting to service or cleaning, turn off the shredder, disconnect the power plug, and wait until the blade comes to a standstill.

- Check that the power plug is removed from the power supply.
- Unscrew the housing interlock anticlockwise.
- Tip forward the front part of the shredder housing. Remove it completely and put it aside. You now have full access to the blades (Fig. 6 & 7).
- Remove any blockages.
- Re-install the front part of the shredder housing onto the main housing securely. The bottom of the front part of the shredder housing should be hooked into the main housing for a correct fit (Fig. 8). Tighten the shredder housing by tightening the housing interlock clockwise. The shredder may not start if the housing has not been correctly fitted.

Emptying the Collection Bag

⚠ WARNING

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

- Turn off the shredder.
- Remove and empty the collection bag.

OPERATION

⚠ WARNING

Always switch off the shredder before emptying the collection bag.

Overload Protection

⚠ WARNING

In the event of the shredder being overloaded, e.g. due to that branches are too thick, the shredder will automatically switch off.

To reset the shredder: Wait a few minutes to let the motor cool down. Remove the blockages if necessary. Press the reset button, and then turn on the unit.

Restart Prevention

The shredder will not automatically restart when the power returns after a power cut. To restart the shredder, turn the On/Off switch to “OFF” then back to “ON”.

General Operation

⚠ WARNING

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

⚠ WARNING

Always wear eye protection, ear protection and hand protection when operating the shredder.

- When feeding branches into the shredder, keep holding them firmly until they are automatically drawn in.
- Adapt to the speed of the shredder and avoid overloading it. Overloading will cause it to slow down, possibly overheat and shut down.
- To avoid the shredder 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.

OPERATION

- Do not shred but directly compost all soft and wet material such as kitchen waste.
- Keep a couple of dry branches to run through the shredder at the end of the shredding session. These will help to clean the blade of plant material.
- Do not turn off the shredder until all the material has passed the blades. Remaining material may otherwise block the blade when you restart the shredder.

MAINTENANCE

⚠ WARNING

Always switch the product off, disconnect it from the power supply and let the product cool down before performing inspection, maintenance and cleaning work!

⚠ WARNING

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

⚠ WARNING

Do not use any attachments or accessories not recommended by the manufacturer of this product. Always wear protective, heavy gloves and use protective safety equipment when performing blade maintenance. Ensure the power plug is disconnected from the power supply. Failure to pay attention to this warning could result in serious personal injury.

General Maintenance

- Clean the shredder thoroughly after every use. In this way, you extend the life of the machine and avoid accidents.
- Always keep the shredder, wheels and air vents clean. Use a brush or cloth to clean it. Avoid cleaners and solvents.
- Always check that the shredder and especially the guards are not worn down or damaged but firmly attached before use. Check that the nuts, bolts and screws are tight.

MAINTENANCE

- Do not spray water onto the shredder. Electric shock hazard.
- Check the covers and guards for damage and improper attachment. If necessary, contact the After Sales Helpline.

Reversing, Sharpening & Replacing the Blade *(See Figs. 9&10)*

- Remove the front part of the shredder housing. Refer to step 1-3 of Clearing a Blockage section on page 15.
- Use a screwdriver (not provided) to block the blade plate (③). First, slot the screwdriver into the access hole (④). Then carefully turn the blade plate until one of the two blocking apertures appears and aligns with the access hole. Block the blade plate by slotting the screwdriver right through it (Fig. 9).
- Take out the Allen key (⑤) from the recess in the housing inside the shredder. Use the Allen key to loosen the Allen bolt (⑥) anticlockwise in the center of the blade plate. Remove the Allen bolt and the washer (⑦). Remove the blade (⑧) from its seat (Fig. 10).
- The blade can be reversed, otherwise sharpen or replace any blunt or damaged blade as necessary.
- Refit the blade onto the blade plate ensuring it is seated in its correct position. Refit the washer and Allen bolt and tighten securely clockwise.
- Re-install the front part of the shredder housing onto the main housing securely. Ensure the housing interlock is tightened. Refer to step 5 of Clearing a Blockage section on page 15.

Storage

- Clean the shredder thoroughly before putting it away.
- Store the shredder in a safe, dry place well out of reach of children. Do not cover the shredder in nylon bags, as moisture may develop
- Always allow the machine to cool before storing.
- The ideal storage temperature is between 10°C and 30°C. Avoid extremes of cold and heat during storage.

TROUBLESHOOTING

⚠ WARNING

Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by a qualified specialist.
Gloves and appropriate protective clothing must be worn when performing these instructions.
Always turn off the machine, disconnect it from the power supply, and let the product cool down before making any adjustment.

PROBLEM	POSSIBLE CAUSE	SOLUTION
The shredder will not start.	No power supply.	Check the socket, fuse, cable, wire and plug and have any repairs carried out by a qualified person.
	Overload protection tripped.	Wait until the motor has cooled down. Press the reset button, and then restart the shredder.
	Lid of shredder housing is not secured properly.	Tighten the housing interlock to correctly secure the shredder housing.
Garden waste is not drawn in.	Shredding material is too soft.	Use the pusher or add dry twigs/ branches.
	Shredder is blocked.	Refer to Clearing a Blockage section on page 15.
	Shredding material is in discharge duct.	Remove shredding material from discharge duct.
The shredder will not shred properly.	Blades are blunt.	Check the blades. Turn, sharpen or replace blades as necessary. Refer to Reversing, Sharpening & Replacing the Blades section on page 18.

TECHNICAL DATA

2400W Garden Shredder FD2402

Nominal Voltage	220-240V~ 50Hz
Nominal Power Intake	2400W (P40)
Protection Class	⧈ / II
Degree of Protection	IP24
Idling Speed	3940/min
Feed Capacity	Max. 40mm
Collection Bag Capacity	Approx. 50L
Weight	12kg
Measured Sound Pressure Level (L_{PA})	84dB(A)
Sound Power Level (L_{WA}) Guaranteed	107dB(A)
Sound Power Level (L_{WA}) Measured	104dB(A) K=3.41dB(A)

The maximum Feed Capacity 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 maximum Feed Capacity 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.
The equipment is intended only for use in premises in which the current bearing capacity of the network is >=100 A per phase and which are supplied by a distribution grid with a nominal voltage of 220-240V~50 Hz. You may need to check with your electricity provider if in any doubt.
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.

RECYCLING AND DISPOSAL

This marking indicates that this product should not be disposed with other household wastes. The machine must be delivered in rigid packaging to avoid damage during transportation. The packaging and the machine itself are manufactured from recyclable materials and should be disposed of accordingly.

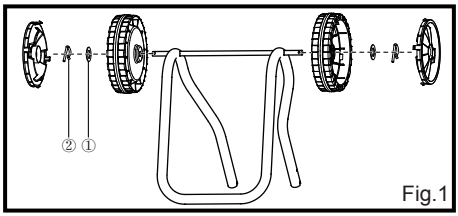

Fig.1

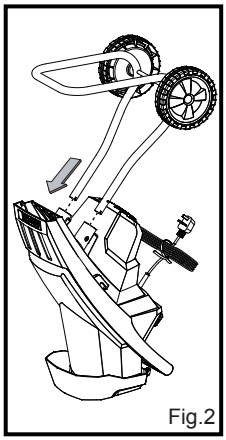
Fig.2

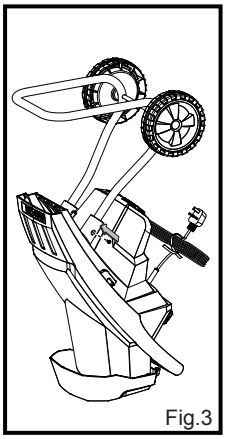
Fig.3

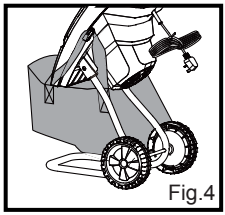
Fig.4

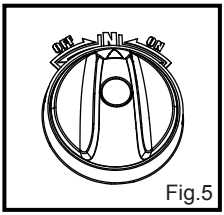
Fig.5

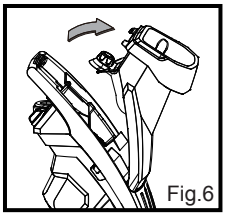
Fig.6

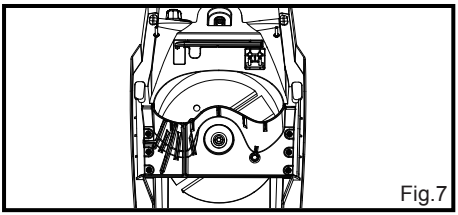
Fig.7

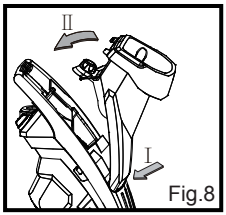

Fig.8

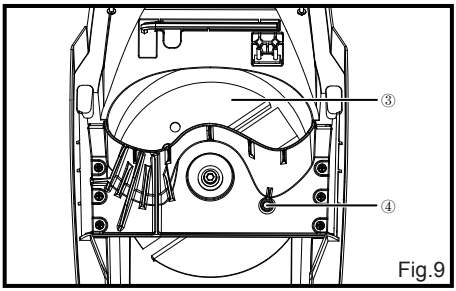

Fig.9

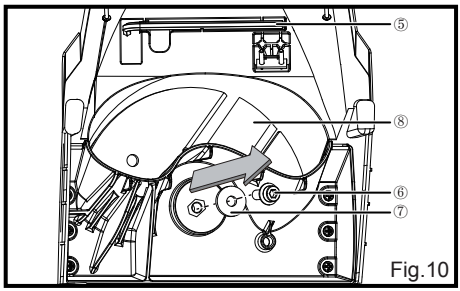

Fig.10

FD2402
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Made in P.R.C