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Lubrication Points

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THANK YOU FOR BUYING OUR PRODUCT.

To ensure your safety and satisfaction, carefully read through this OWNER'S MANUAL before using the product.

General Power Tool Safety Warnings

WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference. The term " power tool" in the warnings refers to your corded or battery-operated (cordless) power tool.

1) Work area safety

- a) Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a ground fault circuit interupter (GFCI) pro-tected supply. Use of an GFCI reduces the risk of electric shock.

3) Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, nonskid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust-related hazards.
- h) Do not let familiarity gained from frequent use of tools. Do not become complacent and ignore tool safety principles. A careless action can cause severe injury within afraction of a second.

4) Power tool use and care

- a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g) Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.
- h) Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

INSTRUCTIONS FOR SAFE HANDLING

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- 1. Make sure that the tool is only connected to the voltage marked on the name plate.
- 2. Never use the tool if its cover or any bolts are missing. If the cover or bolts have been removed, replace them prior to use. Maintain all parts in good working order.
- 3. Always secure tools when working in elevated positions.
- 4. Never touch the blade or other moving parts during use
- 5. Never start a tool when its rotating component is in contact with the workpiece.
- 6. Never lay a tool down before its moving parts have come to a complete stop
- 7. ACCESSORIES: The use of accessories or attachments other than those recommended in these instructions might present a hazard.
- 8. REPLACEMENT PARTS: When servicing use only identical replacement parts.

CUTTING SAW SAFETY PRECAUTIONS

- 1. Make sure that the cut-off wheel is securely mounted as described in the operating instructions before connecting the tool to a power supply. Do not tighten wheel excessively since this can cause cracks.
- 2. Check wheel for fissures and cracks, and test for normal operation prior to use.
- 3. Always store wheels in a dry place with little temperature variation
- 4. When starting to cut, always ease the tool against the workpiece. A harsh impact can break the wheel.
- 5. Press switch and allow the cut-off wheel to reach full speed before cutting
- 6. Use only abrasive wheels recommended by the manufacturer which have marked speed equal or greater to that marked on the machine:
- 7. Read the operating instructions supplied by the wheel manu facturer.

DESCRIPTION

- 1. Handle
- 2. On/Off switch trigger
- 3. Brush cap
- 4. Wheel guard
- 5. Shaft lock lever
- 6. Safe guard
- 7. 355mm abrasive wheel
- 8. Adjustable depth stop
- 9. Saw head locking pin
- 10 Vice handle
- 11 Lock-release lever
- 12. Adjustable stationery vice
- 13. Hex wrench

SPECIFICATION

Power input:	2300W
No load speed:	4300min ⁻¹
Wheel size:	Ø355mm x 25.4mm
Max cutting capacity:	
Round pipe at 90°:	130mm
Square at 90°:	120x120mm
Rectangle at 90°:	125x130mm
Round pipe at 45°:	115mm
Square at 45°:	107x107mm
Rectangle at 45°:	115x107mm
Weight:	17kg

ADJUSTMENT

ASSEMBLE OR DISASSEMBLE THE CUTTING WHEEL (Fig. 1,2,3)

Before assemble or disassemble the cutting wheel, please make sure the machine is switched off or unplugged in. The linear velocity of all the cutting wheels should be no less than 80m/s. The diameter of all cutting wheel should be no less than 355mm. Wrench put in the base-wrench, can be removed when required.

When disassemble the cutting wheel, firstly pull up the movable safety guard and press the shaft lock lever (5) to fix the cutting wheel; unscrew the hex bolt counterclockwise with hex wrench (13); and then take down the flange and the cutting wheel.

When assemble the cutting wheel, the steps are opposite to the above-said steps.

Make sure to tighten the hex bolts. If not fully tightened, it would lead to injuries. Please use the supplied wrench to tighten the bolts

WARNING! Do not overtighten the hex bolt. Overtightening can cause the new wheel to crack, resulting in premature failure and possible serious personal injury.

WARNING! Be sure to check the position of the adjustable depth stop to ensure the new wheel does not cut into the table surface beneath the machine base when the saw arm is fully lowered.

ADJUSTABLE STATIONARY VICE

The adjustable stationary vice is located at the rear of your cut-off machine. This vice can be rotated to attain cutting angles from 15° left to 45° right and moved rearward to allow greater cutting widths.

WARNING! Always unplug the machine from the power source before making adjustments or performing routine maintenance. Failure to heed this warning can result in serious personal injury.

CUTTING ANGLE ADJUSTMENT (Fig. 4)

To adjust the angle of cut:

- 1. Locate the two hex bolts behind the vice fence.
- 2. Using the supplied wrench, loosen both bolts.
- 3. Rotate the vice fence until the desired angle of cut is aligned with the indicator groove in the machine base.
- 4. Check the angle of the vice fence to the abrasive wheel using a protractor, bevel square, or a similar device.
- 5. Using the supplied wrench, securely tighten the two hex head bolts holding the vice to the machine base.

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MOVING THE STATIONARY VICE (Fig. 4)

To increase the width of cut of your cut-off machine:

- 1. Locate the two hex bolts behind the vice fence.
- Locate the threaded hole in the machine base directly behind the vice base.
- Using the supplied wrench, remove both hex bolts securing the vice to the cut-off machine base.
- Reposition the curved slot of the vice base with the most rearward threaded hole in the machine base and install a hex head bolt in this hole. DO NOT TIGHTEN.
- 5. Align the remaining vice bolt hole with the middle threaded hole in the machine base and install a hex bolt.
- Check or adjust the cutting angle and securely tighten both hex bolts with the supplied wrench.

QUICK LOCK-RELEASE VICE (Fig. 5)

Your cut-off machine is equipped with a quick lock-release vice system as standard equipment. With this feature you are able to open and close the vice quickly without repetitive turning of the vice handle (10).

To loosen:

- 1. Slightly release tension on the vice by rotating the vice handle counterclockwise 1/2 to 1 turn.
- Lift up the quick lock-release lever (11) and pull back on vice handle to slide open the vice.

To tighten:

- 1. Lift up the quick lock-release lever.
- 2. Push the vice handle forward to slide the vice against the work piece.
- Push down on the quick lock-release lever to engage its threads with vice screw.
- 4. Rotate the crank handle clockwise to tighten the vice against the work piece.

TRANSPORT (Fig. 6)

To transport or store the cut-off machine, lower the handle and insert the saw head locking pin (9). Move the machine using the carrying handle.

OPERATION

SWITCH (Fig. 7)

To start the tool, completely depress the trigger switch (2) located in the machine handle.

To stop the tool, release the trigger switch completely.

CUTTING (Fig. 8)

IMPORTANT SAFETY WARNING! Please ensure that the correct safety equipment is worn at all times when using this product. Approved safety eye goggles and heavy duty work gloves should be worn. The material to be cut should be held firmly in the vice so it can not move during the cutting operation and never place the operator's hand on the machine base while machine is in cutting operation. Failure to comply with this warning could result in serious personal injury.

WARNING! Do not attempt to cut wood or masonry with this machine. Never cut magnesium or magnesium alloy with this tool. Failure to comply with this warning could result in serious personal injury.

- Secure the tool in place to prevent machine movement or tipping during the cutting procedure.
- 2. Firmly secure the material to be cut using the machine's vice .
- Start the machine by fully depressing the trigger switch and allow the cut-off wheel to come up to full speed before contacting wheel to material.
- Slowly push down on the machine arm handle until the cut-off wheel contacts the material being cut. Use a steady and even pressure to obtain a uniform cut. Never force the wheel into the material.
- When the cut is completed, release the trigger switch and allow the wheel to stop before raising it to the full open position.

WARNING! Large, circular, or irregularly shaped material may require additional means of clamping to be secured in place adequately for cutting. Use "C" clamps and blocks to hold material securely. Failure to comply could result in serious personal injury.

DANGER! Do not touch the cut material until it cools or you will be burned! Failure to heed this warning will result in serious personal injury.

MAINTENANCE

WARNING! Always disconnect the cut-off machine from the power source before servicing the unit or making adjustments. Keep the tool clean. Remove accumulated dust and metal particles from the working parts.

WARNING! Make sure the tool operates properly. Periodically check screws and bolts for tightness. Apply dry lubricant monthly to the points listed to extend machine life (Fig. 9).

Lubrication points:

- Vice screw shaft
- Slide way of vice
- Lock-release lever



To reduce the risk of injury, user must read instruction manual "



Class || construction tool in which protection against electric shock does not rely on basic insulation only, but in which additional safety precaution, such as double insulation or reinforced insulation, are provided."

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