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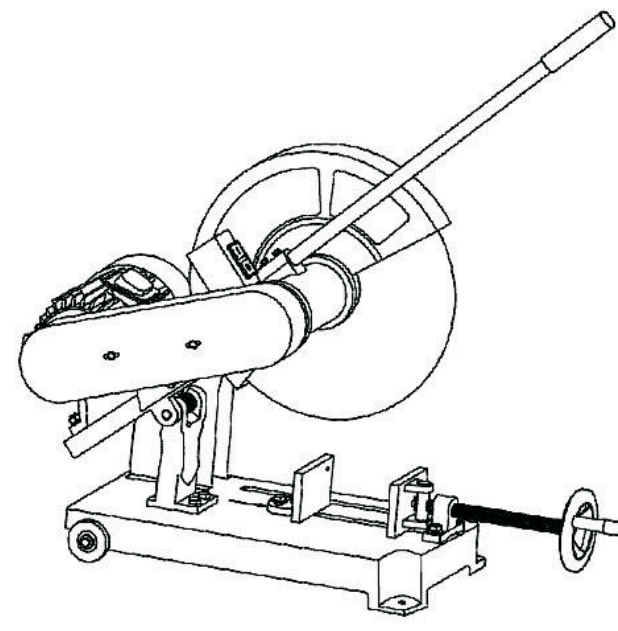
CHOP SAW

16"

INSTRUCTION MANUAL



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Read and follow all safety precautions in instruction manual.

GENERAL POWER TOOL SAFETY WARNINGS

(For All Power Tools)

▲ WARNING! Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work Area Safety

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. 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.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

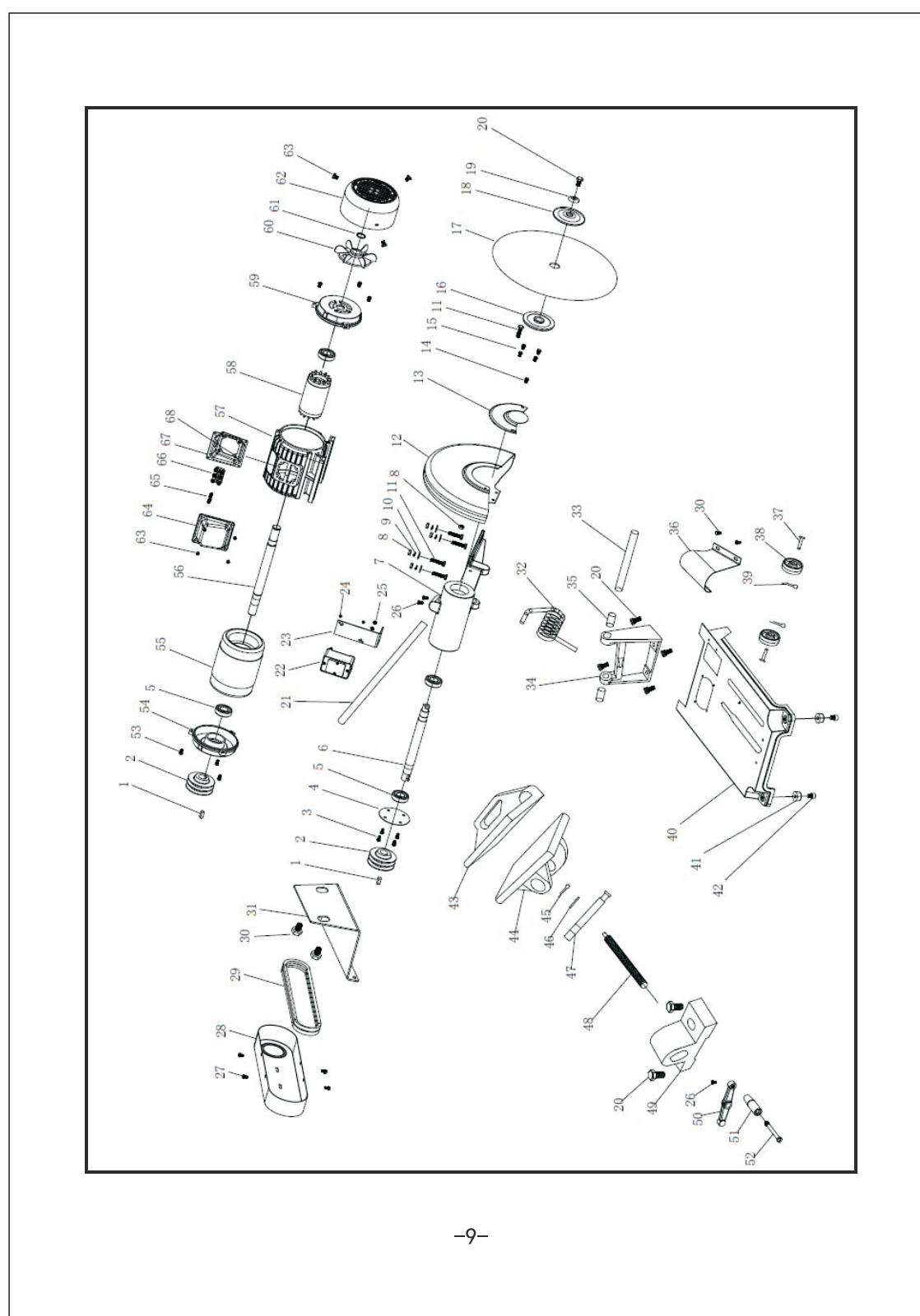
4. Power tool plugs must match the outlet. Never modify the plug in anyway. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
5. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
6. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
7. 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.
8. 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.

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EXPLANATION OF GENERAL VIEW

1	Flat Key	35	Support Sleeve
2	V-Pulley	36	Dust Cover
3	Hex Bolt	37	Wheel Pin
4	Flat Washer	38	Wheel
5	Bearing	39	Split Pin
6	Rod	40	Base
7	Axle Beam	41	Damper
8	Hex Nut	42	Round Screw
9	Spring Washer	43	Inner Flange
10	Flat Washer	44	Outer Flange
11	Hex Bolt	45	Split Pin
12	Wheel Cover	46	Washer
13	Safety Guard	47	Pin
14	Wing Nut	48	Screw Rod
15	Hex Bolt	49	Nut
16	Inner Flange	50	Straight Handle
17	Cut Wheel	51	Plastic Handle
18	Outer Flange	52	Adapter Lug
19	Shim	53	Hex Bolt
20	Hex Bolt	54	Front Cap
21	Handle	55	Stator
22	Switch	56	Motor Shaft
23	Switch Base	57	Motor Container
24	Round Screw	58	Armature
25	Hex Bolt	59	Rear Cover
26	Hex Bolt	60	Fan
27	Hex Bolt	61	Snap Ring
28	Belt Cover	62	Fan Cover
29	Belt	63	Round Screw
30	Hex Bolt	64	Junction Box
31	Belt Cover Holder	65	Round Screw
32	Compression Spring	66	Terminal Block
33	Bracket	67	Junction Box Base
34	Support	68	Round Screw

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9. If operating a power in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

NOTE: The term "residual current device (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".

Personal Safety

10. 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.
11. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
12. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and for battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
13. Remove any adjusting key or wrench before turning the tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
14. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
15. 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.
16. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

Power Tool Use and Care

17. Do not force the power tool. Use the correct power tool for your application.

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The correct power tool will do the job better and safer at the rate for which it was designed.

18. Do not use tool if switch does not turn it on or off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
19. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
20. 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.
21. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
22. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
23. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

Service

24. 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.

VOLTAGE WARNING:

Before connecting the machine to a power source (receptacle, outlet, etc.), be sure the voltage supplied is the same as that specified on the nameplate of the machine. A power source with voltage greater than that specified for the machine can result in SERIOUS INJURY to the user, as well as damage to the machine. If in doubt, DO

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original factory to install or remove the saw blade.

MAINTENANCE AND INSPECTION

CAUTION:

Always be sure that the machine is switched off and unplugged before attempting to perform inspection or maintenance.

Lubrication

To prolong the service life of this machine, lubricate the machine's active parts such as those of shaft threads, vise plate and holder etc. every month.

Inspecting the Mounting Screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result serious hazard.

Maintenance of the Motor

The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and for wet with oil or water. Before using unused out-off machine or using out-off machine in wet condition, you should measure armature coil and insulation resistance between left-half handle and right-half handle by 500-volt megger. When less than 7-volt, you must make drying process for coil.

Cleaning Plastic Parts

Do not use gasoline, diluents, carbon tetrachloride, ethyl alcohol and so on to wipe plastic parts which is easy to make plastic parts cracked and damaged. You should use soft cloth with suds to wipe plastic parts.

⚠ Damaged cord must be replaced by a special cord purchased from authorized service center.

⚠ To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by authorized centers, always using original replacement parts.

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trigger "0". If not, please do not operate the machine and change switch from original factory limit.

Operation

Hold the handle firmly. Put the workpiece between the plates which can't contact the saw blade. Switch on the machine and wait until the saw blade attains full speed before lowering gently into the cut. When the saw blade contacts the workpiece, gradually bear down on the handle to perform the cut. (Fig. 3)

Caution:

Only draw a straight cutting line on the workpiece and cut slowly. Your more pressure on the handle or drawing a bent cutting line will cause saw blade to be clamped or cracked, and motor to overload.

Installing or Removing the Saw Blade

To remove the saw blade, uplift the safety guard first and then fix the saw blade. Loosen the hex bolt with wrench anticlockwise and remove the hex bolt, outer flange and the saw blade.

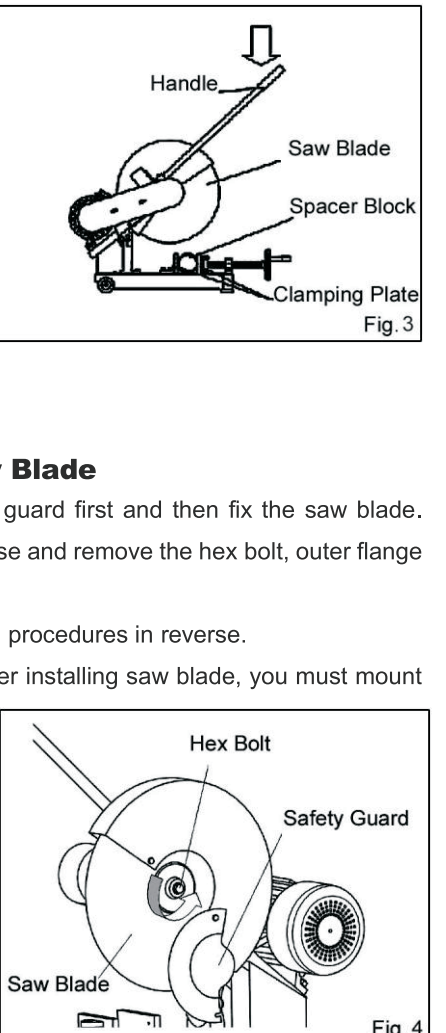
To install the saw blade, follow the removing procedures in reverse.

Be sure to tighten the hex bolt securely. After installing saw blade, you must mount safety guard. (Fig. 4)

Caution:

Always be sure that the machine is switched OFF and unplugged before installing or removing the saw blade.

Always be sure that use wrench from



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NOT PLUG IN THE MACHINE. Using a power source with voltage less than nameplate rating is harmful to the motor.

SPECIFICATIONS

Model		16"Electric cut off Machine	
No-Load Speed		2840 r/min	
Mitre Cutting Angle		0°-45°	
Max. Cutting Capacity	Steel Tube	Φ 135x6mm	
	Round Steel	Φ 50mm	
Capacity	Angle Steel	100x10mm	
	U-steel	126x53mm	
Wheel Size		400x3.2x25.4mm	

⚠ Due to the continuing program of research and development, the specifications herein are subject to change without prior notice.

ADDITIONAL SAFETY RULES

1. Always use blades with correct size and shape (diamond versus round) of arbour holes. Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
2. Do not use damaged washers and bolts with incorrect size. Using them will cause loss of control.
3. Do not use saw blades which do not conform to the stipulations of the manufacturers. The dimension of the saw blade is 400x3.2x25.4mm. The maximum speed of the saw blade is 70m/s.

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4. Do not use cracked, bent or damaged saw blades.
5. Never operate this cut-off machine without guards in place.
6. Make sure the saw blade is not contacting the workpiece before the switch is turned on.
7. Use only flanges specified for this tool.
8. Ensure the switch is in the off-position before connecting to power source.
9. Before using cut-off machine, switch on the machine and keep no-load rotating. Starting the machine after checking no problems.
10. Keep hands away from the cutting area and saw blades.
11. Do not touch the bottom of the workpiece. Wheel guard can't protect saw blade under workpiece.
12. The workpiece must always be firmly clamped when working. Please do not hold the workpiece by hands when cutting.
13. Use only saw blades whose maximum permitted speed is higher than the no-load speed of the power tool.
14. Stop operation immediately if you notice anything abnormal.
15. Do not mount saw blades upwards between vise plate to cut. It is dangerous and may cause serious accident.
16. Do not saw workpieces that are too small to clamp. And also do not saw workpieces, such as when outer diameter is less than 15cm.
17. Wear safety goggles and a dust respirator during extended periods of operation.
18. Do not stand at the back of saw blade. When power failure, rest or leaving work area, please pull the mains plug.
19. Switch the machine off and pull the mains plug from the socket outlet. Never put down the machine before it comes to a complete stop. And also do not force the saw blade to stop.
20. Before changing saw blades, adjusting cutting angle, repairing cut-off machine, pull the mains plug from the socket outlet.
21. Prevent to get an electric shock, please wear proper rubber gloves and shoes when operating.
22. Do not touch the workpiece immediately after operation; it may be extremely hot

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and could burn your skin.

SAVE THESE INSTRUCTIONS.

WARNING! MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

INSTRUCTIONS FOR OPERATION

Adjusting Cutting Angle

Loosen bolt 1 and bolt 2 shown in the right figure with wrench which secure the clamping flange. Move the clamping flange to the desired angle and tighten the two bolts securely. (Fig. 1)

Caution:

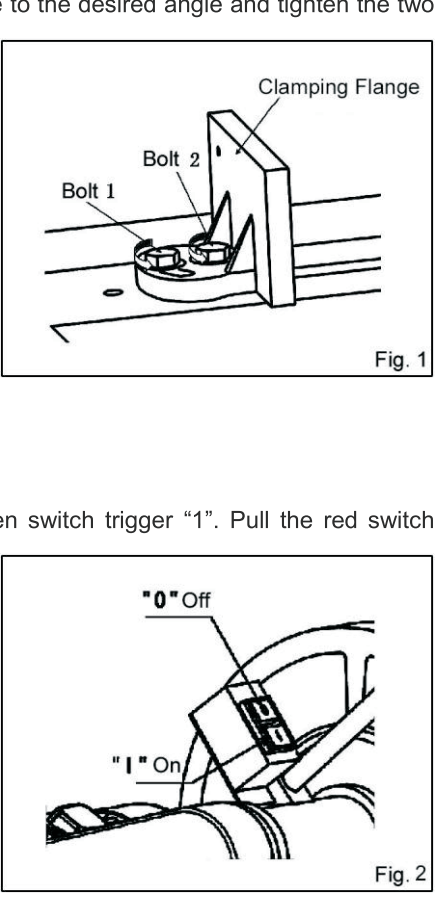
Loosening the two bolts will change the angle of clamping flange, causing the damage of workpiece and injuries. Be sure to tighten the two bolts when operating.

Switch Action

To start the machine, simply pull the green switch trigger "1". Pull the red switch trigger "0" to stop. (Fig. 2)

Caution:

Before plugging in the tool, always check to see that the switch trigger adjusts properly and returns to the green switch trigger "1" when pull the red switch



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