

VEVOR[®]

TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate

www.vevor.com/support

CUT-OFF MACHINE USER MANUAL

We continue to be committed to offering tools at competitive prices. "Save Half", "Half Price", or any other similar expressions used by us only represent an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and do not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when placing an order with us if you are saving half in comparison with the top major brands.

VEVOR®

TOUGH TOOLS, HALF PRICE

CUT-OFF MACHINE
J1G-ZB-355B













NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

✉ CustomerService@vevor.com

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

1. Important safety instructions

	<p>Warning - To reduce the risk of injury, user must read instructions manual carefully.</p>
	<p>Alternating current</p>
	<p>This symbol, placed before a safety comment, indicates a kind of precaution, warning, or danger. Ignoring this warning may lead to an accident. To reduce the risk of injury, fire, or electrocution, please always follow the recommendation shown below.</p>
	<p>Danger! Risk of personal injury or environmental damage! Risk of electric shock! Risk of personal injury by electric shock!</p>
	<p>Warning- Be sure to wear ear protectors when using this product.</p>
	<p>Warning- Be sure to wear eye protectors when using this product.</p>
	<p>Warning- Be sure to wear dust masks when using this product.</p>
	<p>Warning- Be sure to wear gloves when using this product.</p>
	<p>This product is of protection class II. That means it is equipped with enhanced or double insulation.</p>
	<p>Disposal information: This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices</p>

WARNING!

Read through carefully and understand these instructions before use!

WHEN USING ELECTRIC TOOLS, ALL THE SAFETY INSTRUCTIONS SHOULD ALWAYS BE OBSERVED TO REDUCE THE RISK OF FIRE , ELECTRIC SHOCK AND PERSONAL INJURY BEFORE ATTEMPTING TO OPERATE THE TOOL, PLEASE READ ALL THE INSTRUCTIONS AND SAVE IT FOR FURTHER REFERENCE

General Power Tool Safety Warnings - Work area safety

- a) Keep work area clean and well lit. Cluttered or 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.

General Power Tool Safety Warnings - 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 residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.



General Power Tool Safety Warnings - 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 a dust mask, non-skid 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) 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 jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry 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 dust collection can reduce dust-related hazards.
- h) Don't neglect tool security principles because you use tools too often. A careless action can cause severe injury within a fraction of a second.

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 and/or remove the battery pack, if

detachable, 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.

- 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 and accessories. 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, tool bits, etc., under these instructions, considering 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.
- 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.

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.

Other Safety regulations

1.2 BASIC SAFETY PRECAUTIONS FOR ALL ELECTRIC TOOLS

1.2.1 KEEP WORK AREA CLEAN : Cluttered areas and benches invite injuries.

1.2.2 CONSIDER WORK AREA ENVIRONMENT : Don't use electric tools in damp or wet locations. Don't expose electric tools to rain. Keep work area well-lit. In particular, there must be no flammable liquids or gases.

1.2.3 AVOID ELECTRIC SHOCK: When you are operating tool. Don't touch grounded metal, such as pipe, radiator, or freezer.

1.2.4. KEEP CHILDREN AND VISITORS AWAY : Don't let children contact tool on extension cord. All visitors should be kept away from work place.

1.2.5. STORE IDLE TOOL: When not in use, tools should be stored dry high, or locked-up place.

1.2.6. FORCE TOOL: Avoid unnecessary over load which may put the operator at risk and impair function of the tools.

1.2.7 USE RIGHT TOOL: Don't force small tools and attachments to do the job of a heavy duty tool. Don't use tools for purpose not intended, for example, don't use electric circular saw for cutting logs or tree limbs.

1.2.8 DRESS PROPERLY: Don't wear loose clothes or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair

1.2.9 USE SAFETY GOGGLES: Always wear safety goggles. If dust is produced use the special masks.

1.2.10 DON'T ABUSE CABLES: Never carry tool by cable or rank it to disconnect it from socket. Keep cable from heat oil and sharp edges.

1.2.11 DON'T OVERREACH: Keep proper footing and balance at all times.

1.2.12 MAINTAIN TOOLS WITH CARE: Keep tools sharp and clean for better and safer performance. Follow instruction for lubricating accessories, inspect tool cords periodically and replace if damaged. Keep handles dry clean and free from oil and grease.

1.2.13 DISCONNECT TOOLS: When not in use, before servicing, and when changing accessories such as blades, bits and cutters.

1.2.14 REMOVE ADJUSTING KEYS AND WRENCHES: Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on

1.2.15 AVOID UNINTENTIONAL STARING: Don't carry plugged-in tool with finger on switch. Make sure the switch is off when connecting the plug to the socket.

1.2.16 USE EXTENSION CORD: Fan extension wires should be checked frequently to ensure that their section measurements are equal to or greater than tool capacity and marked.

1.2.17 STAY ALERT: Watch what you are doing Use common sense. Do not operate tool when you are tired.

1.2.18 CHECK DAMAGE PARTS: Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate

properly and perform its intended function, check for alignment of moving parts, blinding of moving parts, breakage of moving parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by a qualified service center unless otherwise indicated elsewhere in the instruction manual. Let defective switches be replaced by a qualified service center. Do not use tool if switch does not turn it on and off.

1.2.19 CHECK THE VOLTAGE: Do not plug the electricity tool into the mains until you have checked that the voltage shown on the data plate corresponds to the voltage available

1.2.20 REPLACE PARTS: Do not plug the electricity into the mains until you have checked that the voltage shown on the data plate corresponds to the voltage available.

1.2.21 HAVE YOUR TOOL REPAIRED BY AN EXPERT: This electric tool is in accordance with the relevant safety regulations. Repairing of electric tool may be carried out only by expert. Otherwise it may cause considerable danger to the user.

1.3 ADDITIONAL SAFETY REGULATIONS

1.3.1 If the tool you bought is in class I, for your safety, before operating. Be sure the housing has correctly been grounded so it is with the power supply. If an extension cord is required, use only three-core cord, plug and socket which have been correctly grounded.

1.3.2 Before plugging this tool into the mains, ensure that the cutting wheel has been tightened securely, the special spanner has been removed from the tool, and the lock pin behind the protective cover has been removed from its locked position.

1.3.3 Please turn off the switch and remove the plug from the socket before moving this tool, fixing parts, adjusting the cutting angle of a workpiece, replacing the cutting wheel, etc.

1.3.4 Before moving this tool, fix parts, adjust the cutting angle of the workpiece, and replace the cutting wheel.

1.3.5 When operating this tool, it is forbidden to stop the cutting wheel by touching it with hand.

1.3.6 When cutting workpiece, don't start operating before you confirm the

workpiece has been fixed on the vise securely.

1.3.7 Before the cutting wheel contacts the workpiece, you must wait until the cutting wheel reaches the maximum speed.

1.3.8 Turn off the switch immediately after cutting, then return the cutting wheel to its original speed.

1.3.9 Keep the cutting wheel sharp. Replace it when it has been worn 1/3 approximately.

1.3.10 The air-vent of the tool should be cleaned regularly to make sure the motor can be cooled normally.

1.3.11 Please use the reinforced fiber cutting wheel carefully. The cutting wheel surface should be intact. When knocked slightly by a wooden hammer, it won't break or crack.

1.3.12 Please lock the head to lowest position with the chain during storing and transportation of the tool.

2. Product description

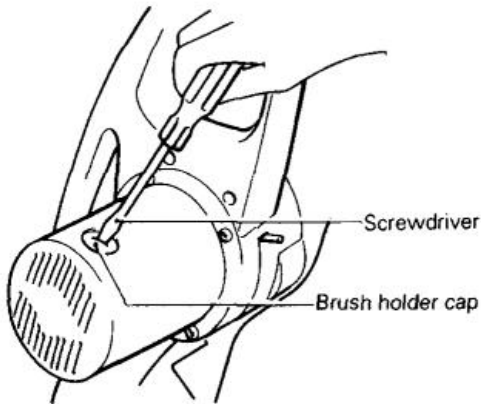
Cut-off machines are transportable power tools. The class cut-off machine's protective structures include essential insulation and earth protector. The series of the cut - off-machines, which are equipped with fiber-reinforced grinder wheels, is mainly used to cut steel pipes, cast iron tubes, round steel, angle steel, and groove steel. They have the characteristics of easy operation, reasonable construction, and top efficiency.

3. MAINTENANCE

Please check the carbon brushes of the tool regularly, when the carbon brushes are worn to 5 - 6mm, they must be changed in pairs. When changing, please remove the brush holder cap in the back of the motor housing with screwdriver to take out the worn carbon brush. Please let the tool idle for 10minutes after the brushes are changed.



Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.



4. Operating regulations

4.1 Put the tool on flat ground or work table.

4.2 Adjust the chain to keep the cutting wheel in the highest position.



4.3 The spark guard may be factory-installed with its lower edge contacting the base. Operating the tool in this position will cause many sparks to fly around. Loosen the screw and adjust the spark guard to a position at which minimum sparks will fly around.



4.4 Replacement of the cutting wheel.

4.4.1 Remove the plug of the tool from power socket.

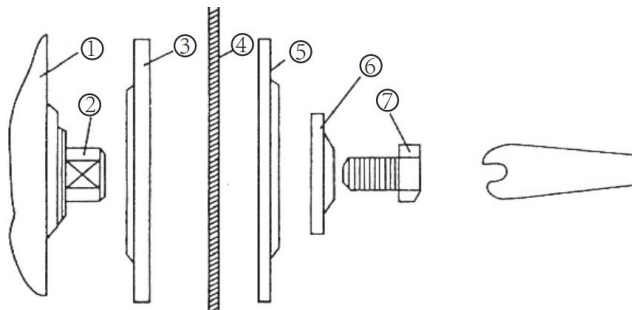
4.4.2 Release the handle to return the cutting wheel to the highest position.

4.4.3 Push lock pin behind the protection cover to lock the spindle and make it unmovable.

4.4.4 Open the side cover of protection cover.

4.4.5 Loosen the hexagon bolt 7 with the special spanner, and then remove flange washer 6, cutter flange 5 and cutting wheel 4 in order.

4.4.6 Install the new cutting wheel: outer flange and flange washer in order and then tighten the screw 8 securely. Release the lock pin and ensure the rotor has been set free. Return the side cover to its original position.

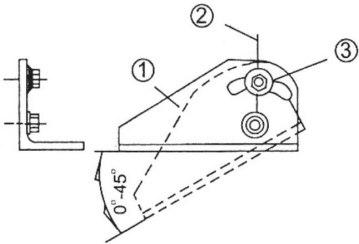


- ① protection cover ② spindle ③ inner flange ④ cutting wheel
⑤ outer flange ⑥ flange washer ⑦ hexagonal bolt

5. ADJUSTMENT OF CUTTING ANGLE

The vise of the tool can be adjusted from 0° to 45° to help you realize angle cutting.

When adjusting the cutting angle, first loosen the fixed screw 2 on vise, turn the vise plate 1 to the angle you expect according to the angle marks, then tighten the fixed screw 2.



1 Vise plate 2 Base line 3 Angle mark

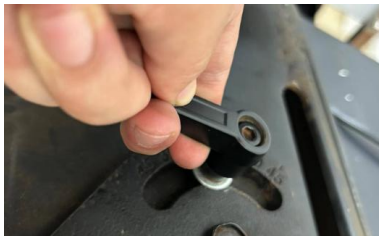
Note: Vise locking screws may be replaced by handles

6. Handle operation

When adjusting the vise angle, turn the handle counterclockwise to release the vise, and turn the needle handle clockwise to lock the vise. After turning the handle for the first time, you need to pull the handle up, then rotate the handle to the starting position, then lower the handle, and then turn the handle a second time to release or lock the vise.



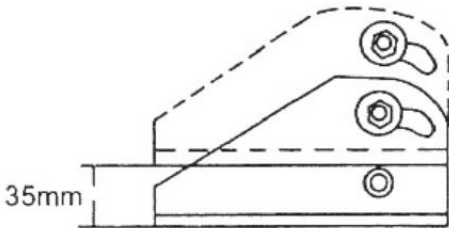
Release handle



Pull handle up

7. Cutting wide work-piece

The tool's vise can be moved back 35mm to cut wide workpieces. Loosen the screws/handle on the vise grip, move the vise towards the back of the tool, and insert the screws into the assembly holes to secure the vise.



8. How to make a cut

8.1 Put work-piece on the base and fix it securely on the vise by turning the vise handle. Make sure the work-piece is unmovable or loosens during cutting.

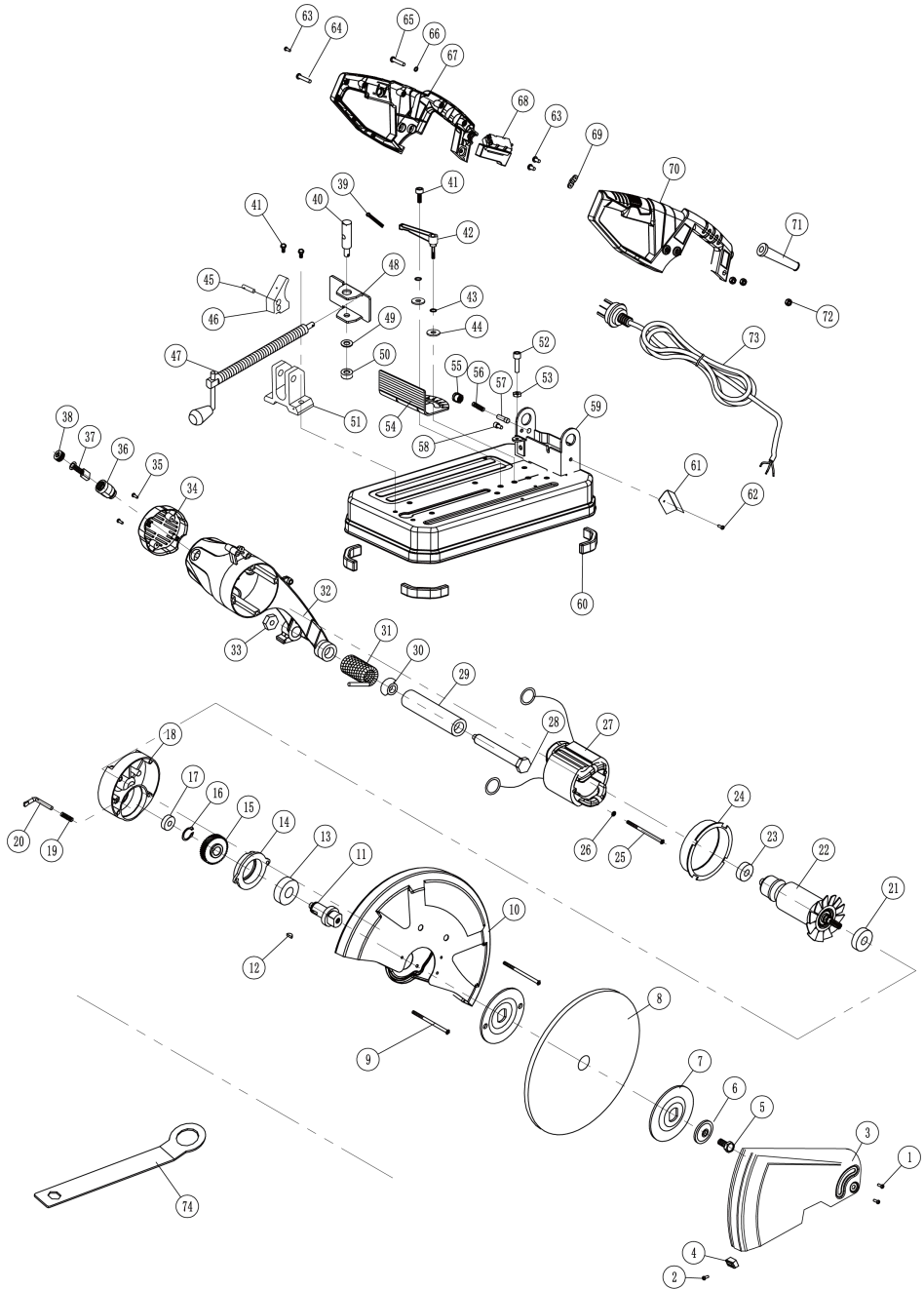
8.2 Turn on the switch before the cutting wheel contacts the work-piece, and wait till the cutting wheel reaches the maximum speed. then press down the handle slowly to begin the cutting.

8.3 Turn off the switch immediately when the cutting is finished. Release the handle slowly to let the cutting wheel return to its original position



Note: Press both buttons at the same time to start the machine, release both buttons to stop machine

9. Explosion View



10. BOM list of Explosion view

BOM list					
item	description	Qty	item	description	Qty
1	Phillips slotted screw M6X8	2	23	Bearing 6000-2RS	1
2	Phillips screw ST3X8	1	24	Baffler	1
3	Movable cover	1	25	Phillips slotted screw M5X75	2
4	Anti-collision block	1	26	Spring cushion M5	2
5	Hexagon screw M10X20	1	27	stator	1
6	small plate	1	28	Hexagon bolt M16X170	1
7	big palte	2	29	Horizontal pin	1
8	Cutting blade	1	30	Bowl septum	2
9	Phillips slotted screw M5X55	4	31	Torsion spring	1
10	Wheel guard cover	1	32	body cover	1
11	Output shaft	1	33	Lock nut M16	1
12	Half round key	1	34	back holder	1
13	Bearing 6204-2RS	1	35	Phillips slotted screw M5X20	2
14	ront cover	1	36	Carbon brush holder	2
15	Gear	1	37	Carbon brush 2pcs	1
16	Circlip for shaft 20	1	38	Carbon brush cover	2
17	Bearing 629-2Z	1	39	Split pin	2
18	Gearbox	1	40	bolt	1
19	Self-locking spring	1	41	Hexagon screw M10X20	2
20	Self-locking pin	1	42	handle	1
21	Bearing 6202-2RS	1	43	Pointed elastic pin	2
22	Rotor	1	44	nut	2

45	Pointed elastic pin	1	61	spark guard	1
46	nut	1	62	screw M6X20	1
47	Vise screw	1	63	Cross slotted self tapping screw ST3.9X14	10
48	Small splint	1	64	Phillips slotted screw M5X40	2
49	Flat pad 8.5*22*2	2	65	Right handle	1
50	Lock nut M8	1	66	Phillips slotted screw M5X30	1
51	holder	1	67	Washer M5	1
52	Knob	1	68	switch	1
53	Hexagon socket screw M8X35	1	69	Crimping board	1
54	Hexagon socket lock nut M8	1	70	left handle	1
55	Big splint	1	71	Cable cover	1
56	Spring	1	72	Nut M5	3
57	Stop pin	1	73	Cable	1
58	Hexagon socket screw M8X20	1	74	wrench	1
59	Base	1			
60	Rubber mat	4			

11.Parameter

Description	Cut-off Machine	Remark
Model	J1G-ZB-355B	
Rating(s)	AC120V 60Hz 2300W	For US user
Rating(s)	AC220-240V 50Hz 2300W	For European User
Rotational Speed	3600rpm	
Grinding wheel	Dia:14inch	
	Grit Number : 80	
Package Size	59.5×33.5×42.5cm	
G.W.	15.3kg	

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