

Original instructions

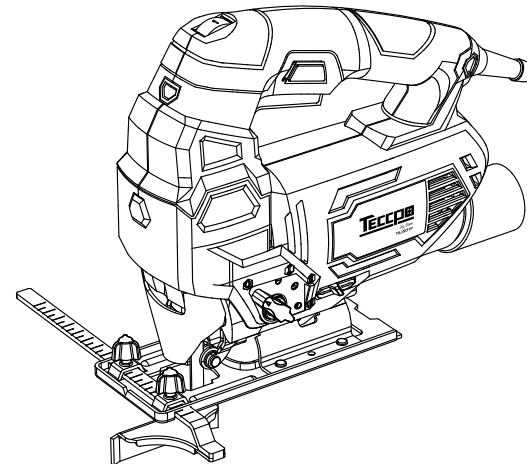
TECCPO

Jig saw

TAJS01P

78201

Set up and operating instructions



WARNING – To reduce the risk of injury, user must read and understand instruction manual !

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Made in China



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SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

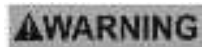
In this manual, on the labeling, and all other information provided with this product:



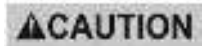
This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



NOTICE is used to address practices not related to personal injury.



CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

General Power Tool Safety Warnings

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ensure that there is clearance for the blade.

1. When cutting tight curves, reduce the speed of the saw.

Warning: Do not move the saw forward along its cut until the blade has completely entered the material and the baseplate comes to rest on its surface.

Cutting metal

1. When cutting metals, suitable cooling/cutting oil must be used.
2. Squirt the lubricant onto the blade or work piece at regular intervals during cutting in order to reduce wear on the blade.

Maintenance

Caution: always be sure that the tool is switched off and unplugged before attempting to perform inspection for maintenance.

In order to maintain product reliability and safety, repairs, replacement, any other maintenance or adjustment, and carbon brush inspection and replacement should be performed by specialized work shop.

1. Store the tool, instruction manual and accessories in a secure place. In this way you will always have all the information and parts ready to hand.
2. Keep the tool's air vents unclogged and clean at all times.
3. Remove dust and dirt regularly.
4. Never use caustic agents to clean plastic parts.
5. Lubricate the guide roller from time to time a drop of oil. It will extend the life of the roller.

Caution: Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool.

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across the material. In orbital action, the blade moves forward during the cutting stroke in addition to the up and down motion.

Note: Metal or hardwoods should never be cut in orbital action.

To adjust the cutting action, move the orbital switch knob (9) between the four cutting positions: **0**, **I**, **II**, and **III**. Position **0** is the straight cutting. Positions **I**, **II** and **III** are orbital cutting. The aggressiveness of the cut increases as the knob is moved from one to three, with three being the most aggressive cut. (See **Fig. 7**)

Transfer switch for wind direction



Fig. 8

Slide the transfer switch backward and change the wind direction forward as the arrow shows on the above **Fig. 8** that avoids sawdust cover previously marked line on the workpiece which is convenient for moving the tool forward along previously marked line.

OPERATION

Caution:

Always hold the baseplate flush with the work-piece. Failure to do so may cause blade breakage, resulting in a serious injury.

Advance the tool very slowly when cutting curves or scrolling. Forcing the tool may cause a slanted cutting surface and blade breakage.

Turn the tool on without the blade making any contact and wait until the blade attains full speed. Then rest the baseplate flat on the workpiece and gently move the tool forward along the previously marked line.

Pocket & round cutting

When starting a cut from the center of a work piece, drill a 12mm diameter hole to

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Warning: Some dust created by power

sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are: Lead from lead-based paints,.

Crystalline silica from bricks and cement and other masonry products, and Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.



Warning read all safety warnings and instructions. Failure to follow the warnings and instructions 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 mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. Work area safety

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

2. Electrical safety

- Power tool plugs must match the outlet.** Never modify the plug in any way. Do not use any adapter plugs with grounded power tools.

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Unmodified plugs and matching outlets will reduce risk of electric shock.

- b. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is 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. This power unit is intended to be correctly orientated in a vertical or floor mount position.**

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 safety equipment. Always wear eye protection.** *Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c. Avoid accidental starting. Ensure the switch is in the off-position before plugging in.** *Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.*

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Adjusting the parallel guide (Fig. 6)



Fig. 6

- With the edge guide you can saw parallel to an edge. The maximum distance is 15 cm.
1. Loosen the wind nut (11) and insert the parallel guide (10) into the holders in the saw/base-plate (7).
 2. Tighten the wind nut for edge guide.

Cutting-Orbital or Straight

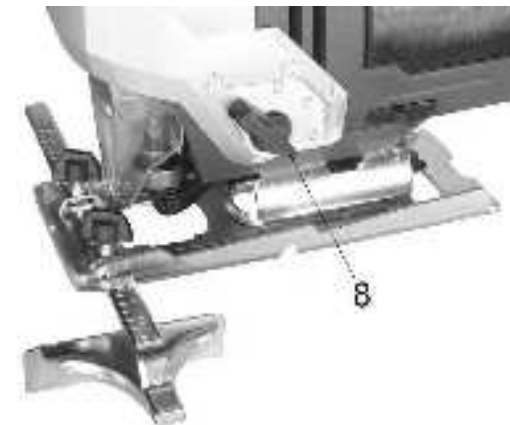


Fig. 7

This jig saw is equipped with four cutting actions, one straight and three orbital. Orbital action has a more aggressive blade motion and is designed for cutting in soft materials like wood or plastic. Orbital action provides faster cut, but with a rougher cut

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angle until the correct setting is achieved.

NOTE: If the base plate is loose and shaky, release the screw by hex. spanner for inverse hour, move the base plate back to ensure the slot of base plate is engaged with gear casing, press the screw and tighten the screw (original position) and check whether the base plate firmly. Tighten the screw. (See **Fig. 4**)

Use laser line generator



Warning: Do not stare directly at the laser beam. Never aim the beam at any person or an object other than the work piece.

Do not deliberately aim the beam at personnel and ensure that it is not directed towards the eye of a person for longer than 0.25s.

Always ensure the laser beam is aimed at a sturdy work piece without reflective surfaces i.e. Wood or rough coated surfaces are acceptable. Bright shiny reflective sheet steel or the like is not suitable for laser use as the reflective surface could direct the beam back at the operator.

Only turn laser beam when tool is on work piece.

Turn on: the laser generator (13) works when turn this circular saw on.

Turn off: Press the ON/OFF switch (3) again.

1. Make sure line of the cut on the work piece.
2. Adjust the angle of cut as required
3. Plug in the machine and start the motor
4. When the blade is at its maximum speed (approximately 2 seconds), place the saw on the work-piece.
5. Align the beam with the mark on the work-piece and slowly push the saw forward using both hands, keeping the red light beam on the mark.
6. Switch off this tool when completion of the cut.

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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 jewelry. Keep your hair, clothing and gloves 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 these devices can reduce dust-related hazards.*

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 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.*

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 tool's operation. If damaged, have the

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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 those intended could result in a hazardous situation.*

5. Service

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.*

Safety instructions relating specifically to the equipment

Warning: Failure to follow these safety rules will result in serious personal injury.

1. Hold tool by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring or its own cord. Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.
2. Always use safety glasses or goggles. Ordinary eye or sun-glasses are NOT safety glasses.
3. Avoid cutting nails. Inspect work-piece for any nails and remove them before operation.
4. Only use the product in a environmental humidity between 5% to 95% and at a temperature between 0° C to 50° C

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Angle cutting adjustment



Fig. 4



Fig. 5

1. Loosen the baseplate (7) by pulling the lever for angle cutting adjustment which located on the underside of the tool.(See Fig. 4)
2. Move the baseplate backward and tilt it until the desired angle is obtained the angle can be between 0° and 45° (left and right).(See Fig. 5)
3. Move the baseplate back to ensure the slot of baseplate is engaged with gear casing.
4. For accurate cut it is necessary to make a trial cut, measure the work and reset the

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Adjusting the cutting speed

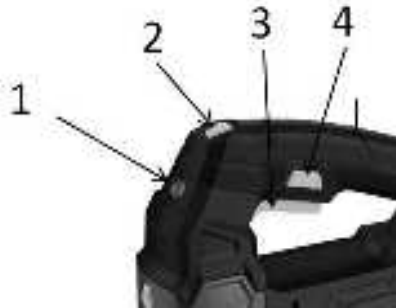


Fig. 3

1. By turning the speed adjusting knob (1) forward or backward, you can get the variable speed.
2. The speed should be adapted to the material being cut in general, higher speeds will allow you to cut work-pieces faster but the service life of the blade will be reduced.
3. Position “1” denotes the lowest speed. Position “6” denotes the highest speed. (See **Fig. 3**)

Switch on and off. (See **Fig. 3**)

1. Connect the plug to the power supply, the power-on indicator (1) is illuminated until disconnect from the power mains.
2. Press the switch trigger (3) and start the tool.
3. Release the trigger to turn the tool off.
4. If you want the tool operate continuously, please depress the lock-on button (4).

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5. Do not use the saw unless the guards are in place
6. Don't cut oversize work-piece.
7. Check for the proper clearance beyond the work-piece before cutting so that the blade will not strike the floor, work-bench, etc.
8. Hold the tool firmly.
9. Do not put pressure on the saw, such that it slows the motor down. Allow the saw blade to cut without pressure you will get better results and you will be taking better care of our tool.
10. Make sure the blade is not contacting the work-piece before the switch; is turned on.
11. Keep hands ways from moving parts
12. Do not leave the tool running .operate the tool only when hand-held.
13. Always switch off and wait for the blade to come to a complete stop before removing the blade from the work-piece.
14. Keep your hands away from under the work piece.
15. Do not secure the jigsaw upside down in a vice or work bench and use it as a saw bench. This can lead to serious injury.
16. Do not touch the blade or the workpiece immediately after operation: they may be extremely hot and could burn your skin.
17. Some material contains chemicals which may be toxic take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.



SAVE THESE INSTRUCTIONS

Vibration Hazard



This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use.

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Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
3. Wear suitable gloves to reduce the vibration effects on the user.
4. Use tools with the lowest vibration when there is a choice between different processes.
5. Include vibration-free periods each day of work.
6. Grip tool as lightly as possible (while still keeping safe control of it). Let the tool do the work.
7. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

GROUNDING

⚠WARNING

TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:

Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

Grounded Tools: Tools with Three Prong Plugs.

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1. Power-on indicator
2. Speed adjustment dial
3. ON/OFF switch trigger
4. Lock on Button
5. Dust extraction outlet
6. Transfer switch for wind direction
7. Baseplate
8. Orbital switch knob
9. Quick-release blade clamp
10. Edge guide
11. Wind nut of edge guide
12. Transparent guard
13. Laser generator
14. Laser generator switch

ASSEMBLY

Important: Prior to any assembly and adjustment always unplug the tool.

Changing the blade (See Fig. 2)



Fig. 2

1. Lift the transparent guard (12) up and hold it.
2. Pull the lever of the blade clamp and slide the saw blade into the locating groove with teeth pointing forward. Make sure that the back edge of the blade fits into the blade clamp, then release the lever of blade clamp.
3. Place the transparent guard to initial position.

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A	Amperes
n ₀ xxxx/min.	No Load Revolutions per Minute (RPM)

Technical specifications

Voltage & Frequency:	120V ~60Hz
Sales No.:	TAJS01P
Model No.:	78201
Rated power:	6.5A
No-load speed:	0-3000SPM
Cutting angle range:	0~45°
Max. Cutting depth:	Wood: 4" Steel: 2/5"

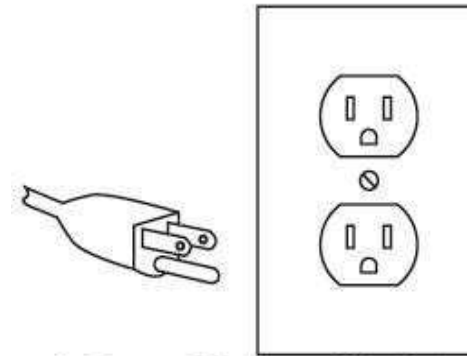
Functional description

Before using the jig saw, familiarize yourself with all the operating features and safety requirements. (See Fig. 1)



Fig.1

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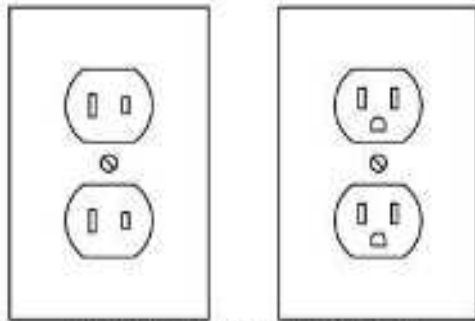


3-Prong Plug and Outlet

1. Tools marked with “Grounding Required” have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. (See **3-Prong Plug and Outlet.**)
2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool’s grounding system and must never be attached to an electrically “live” terminal. (See **3-Prong Plug and Outlet.**)
3. The tool must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the preceding illustration. (See **3-Prong Plug and Outlet.**)

Double Insulated Tools: Tools with Two Prong Plugs

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Outlets for 2-Prong Plug

1. Tools marked “Double Insulated” do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code. (See **Outlets for 2-Prong Plug**.)
2. Double insulated tools may be used in either of the 120 volt outlets shown in the preceding illustration. (See **Outlets for 2-Prong Plug**.)

EXTENSION CORDS

Grounded tools require a three wire extension cord. Double insulated tools can use either a two or three wire extension cord. As the distance from the power supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. Refer to the table shown below to determine the required minimum wire size.

The smaller the gauge number of the wire, the greater the capacity of the cord. For example: a 14 gauge cord can carry a higher current than a 16 gauge cord. When using more than one extension cord to make up the total length, be sure each cord contains at least the minimum wire size required. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum wire size.

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Guidelines for Using Extension Cords

- If you are using an extension cord outdoors, be sure it is marked with the suffix “W-A” (“W” in Canada) to indicate that it is acceptable for outdoor use.
- Be sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.
- Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS* (120/240 VOLT)						
NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH					
	25'	50'	75'	100'	150'	
0 - 2.0	18	18	18	18	18	
2.1 - 3.0	18	18	18	18	18	
3.1 - 5.0	16	16	16	14	12	
5.1 - 7.0	16	16	14	12	12	
7.1 - 10.0	16	14	12	10	-	
10.1 - 15.0	14	12	10	-	-	
15.1 - 20.0	12	10	-	-	-	

TABLE A * Based on limiting the line voltage drop to five volts or 5% of the rated ampere.

Symbology

	Double insulated
	Underwriters Laboratories, Inc.
	Volts Alternating Current