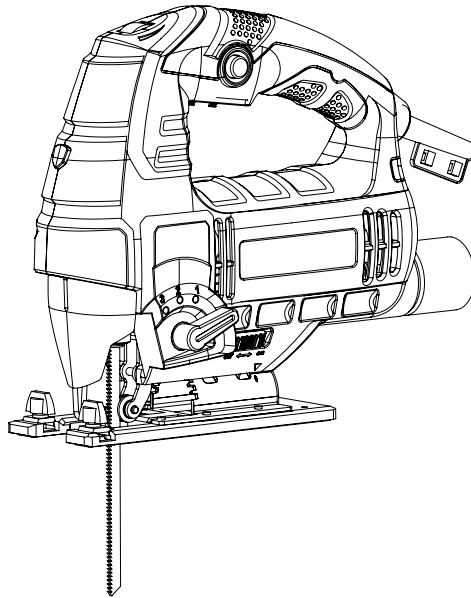




VARIABLE SPEED JIG SAW



For replacement parts visit
WENPRODUCTS.COM

Model # 33606
bit.ly/wenvideo


IMPORTANT:

Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for its intended purpose, you will enjoy years of safe, reliable service.



NEED HELP? CONTACT US!

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

 **800-232-1195** (M-F 8AM-5PM CST)

 techsupport@wenproducts.com

 **WENPRODUCTS.COM**

NOTICE: Please refer to wenproducts.com for the most up-to-date instruction manual.

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TECHNICAL DATA

Model Number:	33606
Motor:	AC 120V, 60Hz, 6.6A
Variable Speed:	0 to 3300 SPM
Wood Cutting Capacity:	4-1/4 in. (110 mm)
Metal Cutting Capacity:	3/8 in. (10 mm)
Bevel Angle:	45° Left & Right
Dust Port Outer Diameter:	1-1/2 in.
Assembled Dimensions:	9-3/8 x 3-1/4 x 8-5/8 in.
Product Weight:	5.4 lbs

Replacement blades (Model 33606BW and 33606BM) can be ordered at wenproducts.com.

SAFETY INTRODUCTION

Thanks for purchasing the WEN Jig Saw. If you like a portable tool that can create both straight and curved cuts on different materials, then this is the right product for you. This manual provides information regarding potential safety concerns, as well as helpful assembly and operating instructions. Safe operation of this tool requires that you read and understand this operator's manual and all labels affixed to the tool. Safety is a combination of common sense, staying alert, and knowing how your tool works.



SAFETY ALERT SYMBOL: Indicates danger, warning, or caution. The safety symbols and the explanations with them deserve your careful attention and understanding. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury. However, please note that these instructions and warnings are not substitutes for proper accident prevention measures.

WARNING: Do not attempt to operate this tool until you have thoroughly read and understood all instructions and safety rules contained in this manual. Failure to comply can result in accidents involving fire, electric shock, or serious personal injury. Please keep this manual available to all users during the entire life of the tool. Review it frequently to maximize safety for both yourself and others.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. WEN reserves the right to change this product and specifications at any time without prior notice.

GENERAL SAFETY RULES

Safety is a combination of common sense, staying alert and knowing how your item works.

SAVE THESE SAFETY INSTRUCTIONS.



WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and serious injury. To avoid mistakes and serious injury, do not plug in your tool until the following steps have been read and understood.

WORK AREA SAFETY

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents. Do not work on floor surfaces that are slippery with sawdust or wax. Keep the ground clear of tripping hazards.
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 bystanders at a safe distance from the work area. Never allow children or pets near the tool.

ELECTRICAL SAFETY

1. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. Do not touch the power plug with wet hands.
2. Power tool plugs must match the outlet. Never modify the plug in any way. Modified plugs with non-matching outlets will increase the risk of electric shock.
3. Check all power supplies periodically. Do not use defective cords. Damaged or entangled cords increase the risk of electric shock.
4. 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.

PERSONAL SAFETY

1. 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.
2. Do not wear loose clothing, gloves, neckties, or jewelry (rings, watches, etc.) when operating the tool. Inappropriate clothing and items can get caught in moving parts and draw you in. Always wear non-slip footwear and tie back long hair.
3. Use personal protective equipment. Always wear safety goggles at all times that comply with ANSI Z87.1. Use ear protection such as plugs or muffs during extended periods of operation. Wear work gloves to protect your hands. Wear a face mask or dust mask to fight the dust.
4. Keep proper footing and balance at all times and do not overreach when operating the power tool.



WARNING: Dust generated from certain materials can be hazardous to your health. Always operate the tool in a well-ventilated area and wear a dust mask. Use dust collection systems when processing wood and plastics. Dust extractors or dust bags must not be connected when processing metals.

GENERAL SAFETY RULES

POWER TOOL USE AND CARE

1. Avoid accidental start-ups. Make sure the power switch is in the OFF position before connecting the plug to a power source or carrying the tool.
2. Check power tool for damaged parts. Check for misalignment of moving parts, jamming, breakage, improper mounting, or any other conditions that may affect the tool's operation. Do not use the power tool if the switch does not turn ON/OFF. Any part that is damaged should be properly repaired or replaced before use.
3. Do not force the tool to do a job for which it was not designed. Always use the correct tool/accessory for the job and follow instructions to prevent a hazardous situation.
4. Never stand on the tool. Serious injury could occur if the tool is tipped over or if parts of the tool are unintentionally contacted.
5. Remove adjustment tools. Always make sure all adjustment tools or wrenches are removed from the tool before turning on the power tool.
6. Keep guards in place and in working order before operating the tool. All protection and safety devices must be in place after completing repair and maintenance procedures.
7. Never leave a running tool unattended. Do not leave the tool until it has come to a complete stop.

POWER TOOL MAINTENANCE

1. Always disconnect the power cord plug from the electrical outlet when making adjustments, changing parts, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
2. Maintain power tools properly. Safely store power tools out of the reach of children. Always keep tools clean and in good working order. Follow instructions for lubricating and changing accessories.
3. Use only identical replacement parts. Use of any other part can cause personal injury and damage to the tool. Only have your power tool serviced by a qualified repair person.

CALIFORNIA PROPOSITION 65 WARNING

This product and some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.

Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement, and other masonry products.
- 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 with approved safety equipment such as dust masks specially designed to filter out microscopic particles.

SPECIFIC RULES FOR YOUR JIG SAW



WARNING: Do not let comfort or familiarity with the product replace strict adherence to product safety rules. Read and understand all warnings, cautions and operating instructions before using this equipment. Failure to follow all instructions listed below may result in personal injury and tool damage.

- 1. WORK ENVIRONMENT.** Do not operate the tool in wet or damp conditions; doing so significantly increases the risk of electrical shock. Do not operate the tool in the presence of flammable liquids or gases.
- 2. PERSONAL SAFETY.** Always wear ANSI Z87.1-approved glasses, a dust mask and hearing protection when using the saw. Always maintain a firm grip by the insulated gripping surfaces only. Keep handles and hands dry, free from oil or other slippery substances. Slippery surfaces prevent you from safely maintaining control of the tool.
- 3. PREVENTING ELECTRIC SHOCK.** When working with the tool, make sure to keep the blade away from any power cables, extension cords or wiring. Only hold the tool by insulated gripping surfaces when performing an operation in case the cutter contacts its own cord. Cutting a “live” wire may make exposed metal parts of the tool “live” and could give the operator an electric shock.
- 4. TOOL INSPECTION.** Before operation, check the tool for any damage or missing parts. Do not use the tool if any part is missing or damaged. Do not use the tool if the power switch is faulty, the plug or cable is damaged, or the tool produces sparks, smoke, or unpleasant odors (you may smell brushes wearing down for a few minutes as the tool breaks in during the first use, that is normal). Make sure all adjustments are correct and all connections are tight.
- 5. WORKPIECE INSPECTION.** Check the workpiece for any nails, cracks or obstructions before commencing operation. If there are nails, be sure to remove them. If the jig saw blades strike foreign objects like nails it may cause serious personal injury from kickback.
- 6. SECURING THE WORKPIECE.** Use clamps to secure the workpiece whenever possible to prevent wobble, damage to the workpiece, and personal injury. Never hold the work by hand or against the body as it may lead to a loss of control. Small workpieces must be adequately secured so that the reciprocating jig saw blades don't pick them up during the forward motion of the jig saw.
- 7. STARTING THE TOOL.** Always start the jig saw before the blade is in contact with the workpiece. Let the blade reach full speed before using the tool. The jig saw can vibrate, chatter, and possibly kick back if the cutting speed is too slow.
- 8. DURING OPERATION.** Do not apply excessive pressure to the tool. Overstressing the tool may cause kickback and damage the tool and accessories. Never pull the jig saw backwards over the workpiece. Use special care when working corners, sharp edges etc.
- 9. KEEP HANDS AWAY.** Keep your hands away from the cutting area. Never attempt to remove shavings or loose pieces until the blade has completely stopped. Never put your hands under the workpiece. The blades are hidden from view and you may be cut if the blade is contacted.
- 10. CHANGING THE SAW BLADE.** Check the blade for chipped or broken teeth. Only use sharp and straight saw blades. Do not use wornout or damaged blades. Make sure the blade is securely clamped by the blade holder. If the blade is not properly installed, it may eject from the jigsaw unexpectedly during operation and result in personal injury.

SPECIFIC RULES FOR YOUR JIG SAW

11. **MAKING ADJUSTMENTS.** Always turn off and unplug the jig saw before making adjustments or changing attachments. Accidental start-ups may occur if the jig saw is plugged in during an accessory change. Do not touch the attachment immediately after operation. Allow time for the attachment to cool and calm down before removing it.

12. **TOOL MAINTENANCE.** Develop a periodic maintenance schedule for your tool. Follow the instructions for lubrication, storage changing accessories. Unplug the saw before making adjustments or changing accessories. Before plugging the tool back in, check that the power switch is OFF.

13. **CLEANING THE TOOL.** When cleaning a tool be careful not to disassemble any portion of the tool. Internal wires may be misplaced or pinched and safety guard return springs may be improperly mounted. Certain cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc. may damage plastic parts.

14. **USE COMMON SENSE.** These safety instructions can't possibly warn of every scenario that may arise with this tool, so always make sure to stay alert and use common sense during operation.

LASER SAFETY

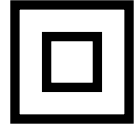
ATTENTION: LASER RADIATION. CLASS 2 LASER. DO NOT STARE INTO THE BEAM

1. Do not look directly into the laser beam with unprotected eyes. Never look into the path of the beam.
2. Never point the laser beam towards reflecting surfaces. Never point the laser towards people or animals. Even a laser beam with a low output can cause damage to the eyes.
3. Remove the laser batteries before storing the miter saw for an extended period of time.
4. Never open the laser module as unexpected exposure to the beam can occur. The laser cannot be replaced with a different type of laser.
5. Repairs of the laser may only be carried out by the laser manufacturer or an authorised representative.

ELECTRICAL INFORMATION

DOUBLE INSULATION

Double insulation is a concept in electrical power tool safety, where two systems of insulation are provided. This eliminates the need for the usual three-wire grounded power cord. All exposed metal parts are isolated from the internal metal motor components with protecting insulation. Double insulated tools do not need to be grounded.



WARNING: The double insulated system is intended to protect the user from electric shock resulting from a break in the tool's internal insulation. Observe all normal safety precautions to avoid electrical shock.

1. **POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. **DO NOT** modify the machine plug or the extension cord in any way.

2. **GROUND FAULT CIRCUIT INTERRUPTER (GFCI)** Protection should be provided on the circuit or outlet used for this power tool. Receptacles with built-in GFCI protection are recommended to reduce the risk of electric shock.

3. **SERVICE AND REPAIR.** To avoid danger, electrical appliances must only be repaired by qualified service technician using original replacement parts; otherwise this may result in considerable damage to the user.

NOTE: Servicing of a product with double insulation requires extreme care and knowledge of the system and should be performed only by a qualified service technician. For service, we suggest bringing the product to you nearest authorized service center for repair. Always use original factory replacement parts when servicing.

WARNING: To avoid electrocution, do not use in wet or damp areas or expose to rain.

GUIDELINES FOR USING EXTENSION CORDS

When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table below shows the correct size to be used according to cord length and nameplate ampere rating. When in doubt, use a heavier cord. The smaller the gauge number, the heavier the cord.

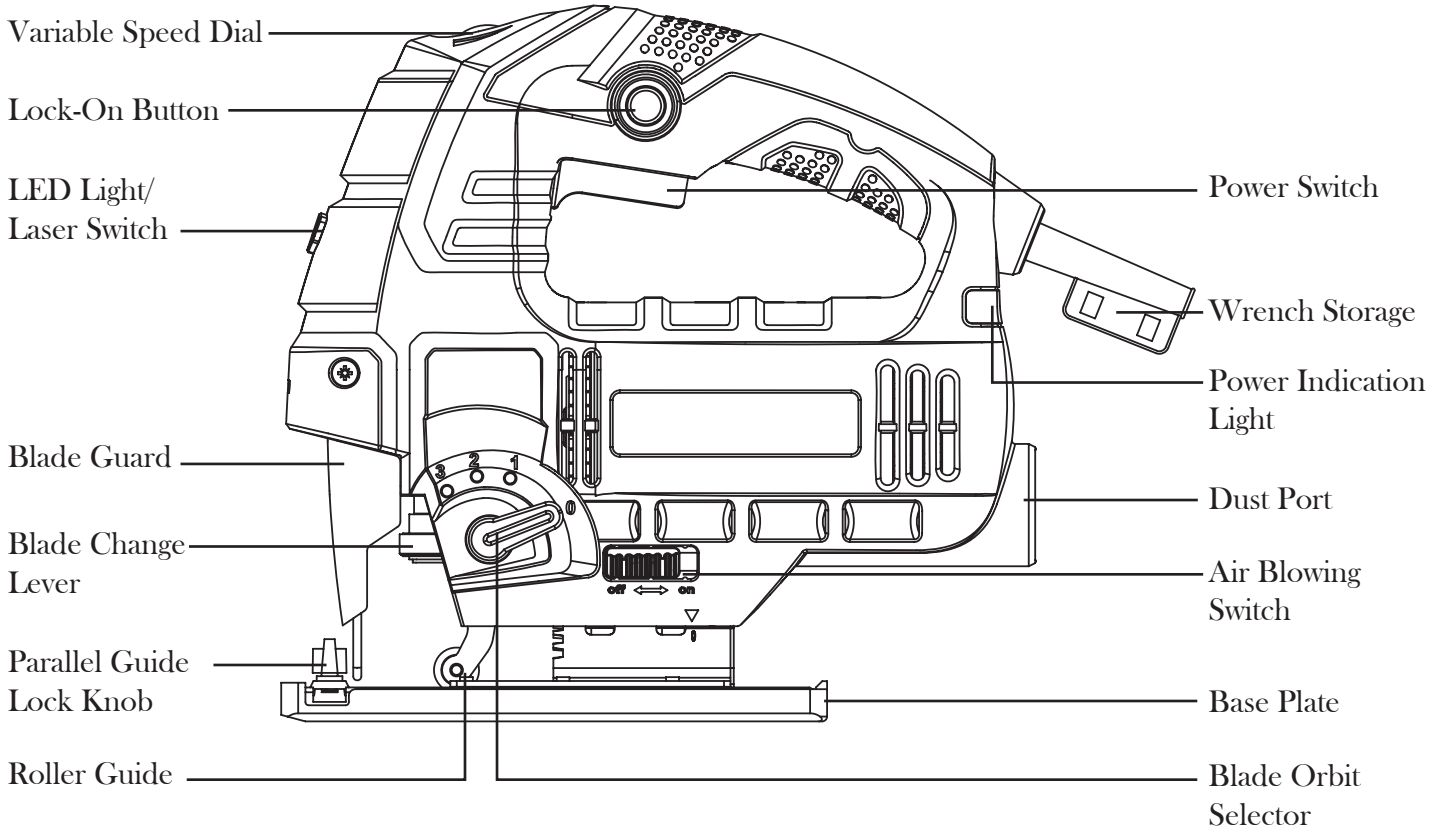
AMPERAGE	REQUIRED GAUGE FOR EXTENSION CORDS			
	25 ft.	50 ft.	100 ft.	150 ft.
6.6A	18 gauge	16 gauge	14 gauge	12 gauge

Make sure your extension cord is properly wired and in good 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/wet areas.

Use a separate electrical circuit for your tools. This circuit must not be less than a #12 wire and should be protected with a 15A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

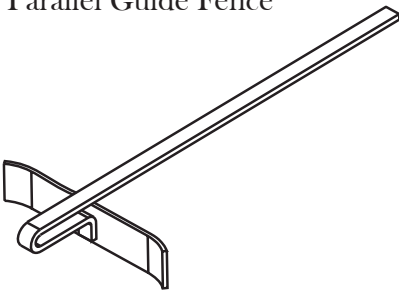
KNOW YOUR JIG SAW

Carefully unpack the tool from the packaging. Check all components and compare against the graph below. If any part is damaged or missing, please contact our customer service at (800) 232-1195, M-F 8-5 CST or email us at techsupport@wenproducts.com.



ACCESSORIES:

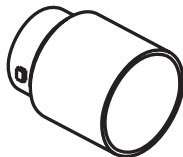
Parallel Guide Fence



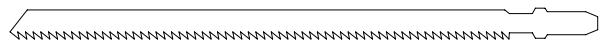
Hex Wrench



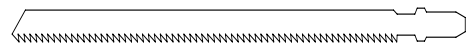
Dust Port Adapter



T-Shank Wood Saw Blade, 4 inch



T-Shank Metal Saw Blade, 3-3/8 inch
(Pre-installed)



ASSEMBLY AND ADJUSTMENTS



WARNING: To avoid injury from accidental startups, be sure that the tool is switched off and disconnected from the power supply before inspecting the unit, making adjustments or changing accessories.

INSTALLING/REPLACING THE JIG SAW BLADE (Fig. 1 to 3)

The jig saw is capable of cutting a variety of materials when fitted with the correct blade. Always select the suitable blade for your operation. Your jig saw comes with a wood-cutting blade and a metal-cutting blade. Generally, use coarse-toothed blades for faster and rougher cuts. Use fined-toothed blades for smoother and more precise cuts. Use very fine-toothed blades for plastic, aluminum and steel cutting operations. Always use sharp and straight blades and replace the blade when it becomes dull or damaged.

This jigsaw is equipped with a tool-less blade changing system for fast and easy changes of T-shank blades. This jigsaw does not accept U-shank blades. Use only blades designated for use with this model. Jig saw blades cannot and should not be re-sharpened. Replacement jig saw blades (Model 33606BW and 33606BM) can be purchased from wenproducts.com.



WARNING: Wear safety gloves when handling saw blades. The jig saw blade is sharp and fragile and must be handled carefully to avoid injury to the user and damage to the blade.

1. Make sure the tool is switched off and disconnected from the power supply. Wear safety gloves to protect your hands.

2. Set the blade orbit selector to position 3 (Fig. 1).

3. Pull the blade change lever (Fig. 2 - 1) clockwise to release the holder grip. Insert the blade shank into the blade holder while the lever is pulled.

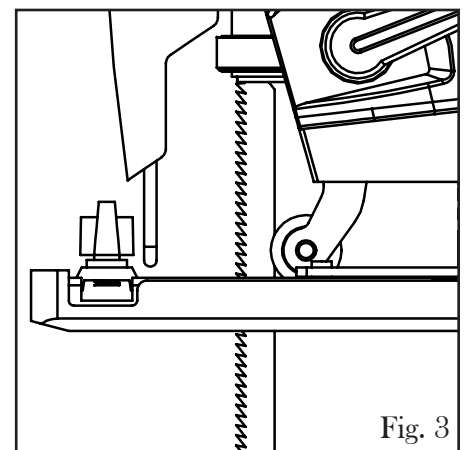
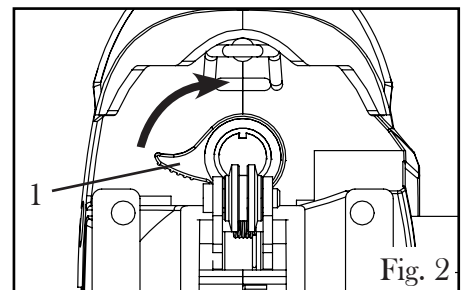
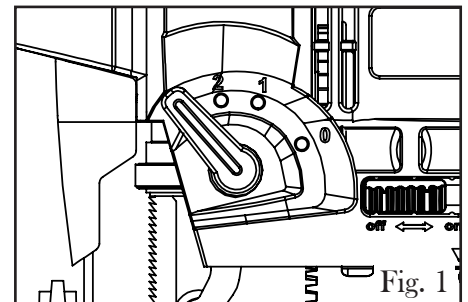
NOTE: The teeth of the blade should be facing forward, and the back of the blade should rest in the grooves in the roller guide. The “T” part of the blade shank must be completely inserted into the blade holder (Fig. 3).

4. Release the blade change lever to hold the blade in place. Pull on the blade to check that it is properly fitted inside the holder.



WARNING: If the blade is not properly installed, it may eject from the jigsaw unexpectedly during operation and result in personal injury.

5. When removing the blade, make sure to direct the blade away from yourself or bystanders in case the blade ejects. Hold the blade with one hand and pull the blade change lever holder (Fig. 2 - 1) clockwise to release the holder grip. Pull out the blade from the holder.

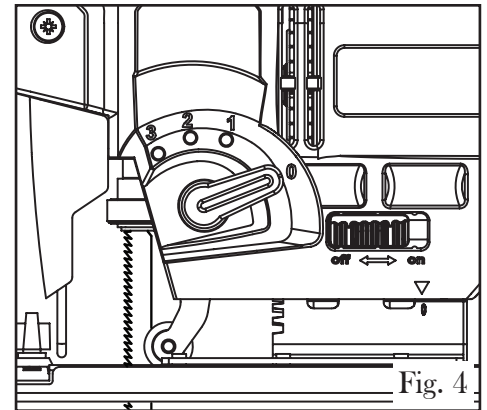


ASSEMBLY AND ADJUSTMENTS

SETTING THE BLADE ORBITAL ACTION (Fig. 4)

The blade orbit selector lever controls the blade orbit travel distance. There are 4 settings, indicated on the side housing (Fig. 4). At the 0 setting, the blade moves up and down in a straight line for smooth cutting. At the 3 setting, the blade moves in an elliptical stroke for fast, aggressive cutting. Maximum cutting efficiency can be obtained by adjusting the blade orbit selector lever to suit the material being cut. This list below is guideline to help you determine which setting to use for your application. To determine the best setting, test cuts in scrap materials first.

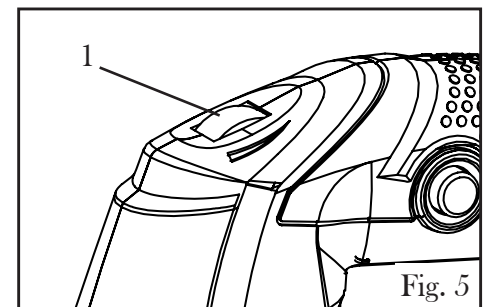
- **Setting 0:** Suits hard materials such as metals or thin sheet metals. Use this setting for plunge cuts, as well as cutting curves and sharp edges.
- **Setting 1:** Suits medium-hard materials (hard wood, aluminum) and thin workpieces. This setting can also be used for making round cuts and sharp edge cuts.
- **Setting 2:** Suits soft materials such as wood and plastics where cleaner cutting or delicate scrolling work is performed.
- **Setting 3:** Suits soft materials such as wood and plastics. Use this setting for faster and more aggressive cutting.



SETTING THE CUTTING SPEED (Fig. 5)

Your jig saw is equipped with a variable speed dial (Fig. 5 - 1) to set the appropriate blade stroke rate for your operation. Speed setting 1 is the lowest speed, and setting 6 is the highest speed (3300 RPM). To increase the speed, turn the wheel forward to a higher number. To decrease speed, turn the wheel backwards to a lower number.

The optimal cutting speed/stroke rate depends on the material being cut, the type of blade being used, and the feed rate preferred by the operator. As a general rule, use slower speeds for denser materials and use faster speeds for softer materials. To best determine the cutting speed, test on a scrap piece of identical material and adjust accordingly.

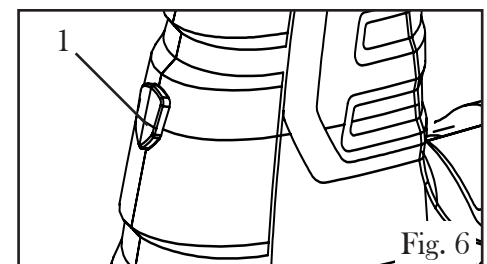


CAUTION: When the jigsaw is used at low speed settings for an extended length of time, the motor temperature will rise due to slower speeds of the internal cooling fan. To prevent the motor from overheating, occasionally run the tool at full speed for a few minutes to keep the motor running at high efficiency.

TURNING ON THE LASER AND LED LIGHT (Fig. 6)

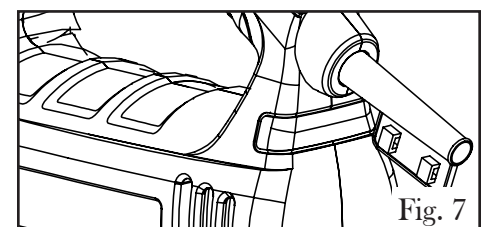
Your tool is equipped with a laser and LED light. Use the button on the front of the tool (Fig. 6 - 1) to control this feature.

- Press 1: Laser (see page 7 for laser safety rules)
- Press 2: Light
- Press 3: Laser and light
- Press 4: OFF



POWER INDICATION LIGHT (Fig. 7)

The power indication light turns green when the tool is connected to the power. If the light turns red, that means that means the tool has diagnosed a problem. Disconnect the tool and contact customer service for assistance.

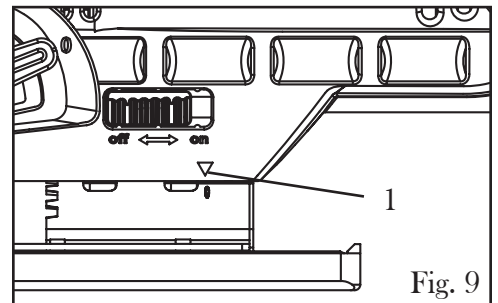
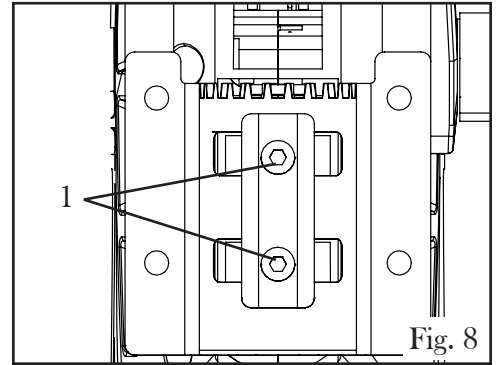


ASSEMBLY AND ADJUSTMENTS

ADJUSTING THE BEVEL ANGLE (Fig. 8 & 9)

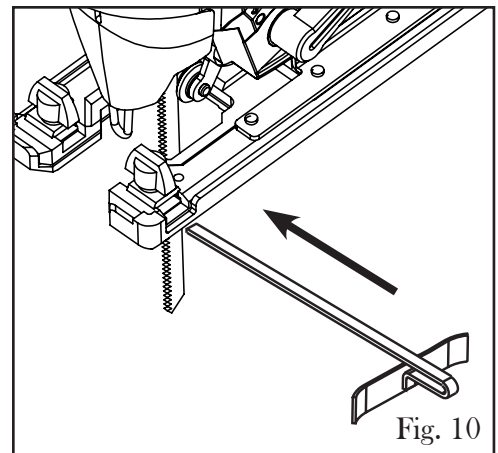
The base plate of your jig saw is pre-adjusted to 0° for making straight cuts. You can create bevel cuts by setting the base plate up to 45° to the left or right. To adjust the angle of the base plate:

1. Using the included hex wrench, loosen the two hex screws (Fig. 8 - 1) from the bottom of the tool by turning them counterclockwise.
2. Pull back the base plate to disengage the angle lock pin.
3. Tilt the base plate to the left or right to set the angle. The angles 0°, 15°, 30° and 45° are marked on the sides of the shoe and indicated by the arrow (Fig. 9 - 1).
4. Push forward the base plate to engage the angle lock pin and lock the shoe into 0°, 15°, 30° or 45° angles.
5. Tighten the two hex screws with the hex wrench (Fig. 8 - 1).



ATTACHING THE PARALLEL FENCE (Fig. 10)

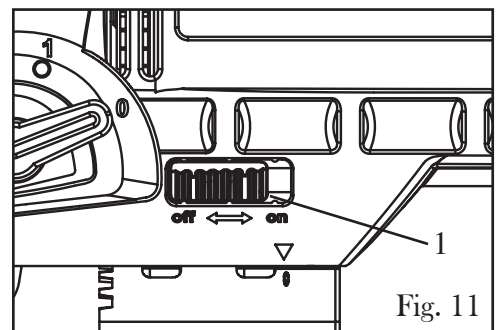
1. Loosen the two parallel fence lock knobs on the front of the base plate.
2. The fence can be attached on either side of the tool. Insert the parallel fence through both slots on the base plate.
3. Lock the parallel fence in place with the two lock knobs.
4. To adjust the cutting width, turn on the laser by pressing the laser light to see where the cut will be. Slide the fence to the desired position.



USING THE AIR BLOWING SWITCH (Fig. 11)

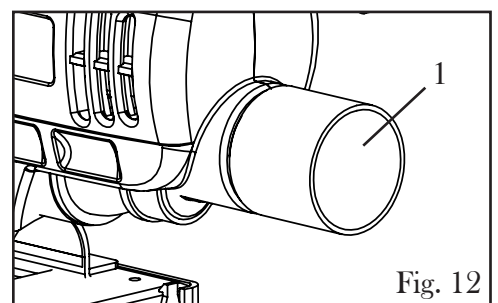
Adjust the air blowing switch (Fig. 11 - 1) to set your jig saw in air blowing mode or dust extraction mode.

1. Push the switch back to ON position for air blowing mode. Air will be directed toward the cut when the machine is operating to clear dust from the workpiece.
2. Push the switch forward to OFF position for dust extraction mode. Connect the tool to a dust collector according to the section below and the dust will be extracted through the dust port during operation.



CONNECTING THE DUST PORT ADAPTER (Fig. 12)

Your jig saw comes with a dust port adapter (Fig. 12 - 1) to connect onto the dust port on the back of your tool. The outer diameter of the dust port adapter is 1.5 inches. To extract saw dust during operation, push the air blowing switch to the OFF position and connect your tool to a dust extraction system.



OPERATION



WARNING: To prevent serious injury, make sure all the instructions have been read and understood before operating this tool. Check that the power switch works properly before plugging the tool into the power supply.



WARNING: Wear safety goggles at all times that comply with ANSI Z87.1. Use ear protection such as plugs or muffs during extended periods of operation. Wear work gloves to protect your hands. Wear a face mask or dust mask to fight the dust.

TURNING THE TOOL ON/OFF (Fig. 13)

- To turn ON the tool, pull the power trigger (Fig. 13 - 1).
- To lock the tool ON, pull the trigger (Fig. 13 - 1) and press in the lock-on button (Fig. 13 - 2). Release the power trigger and the lock-on button will remain depressed to keep the tool running.
- To turn OFF the tool, release the power trigger. If the tool is locked ON, pull the trigger and then release the trigger and allow the lock-on button to pop out.

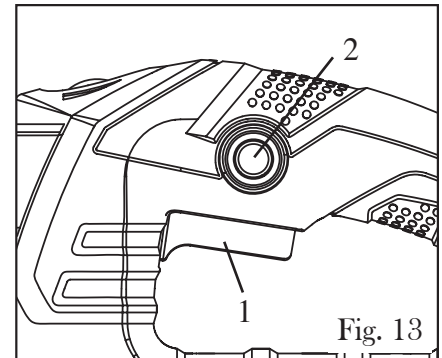


Fig. 13

SAWING OPERATION

1. Prepare the work space and position power cords away from the cutting area.
2. Install the suitable blade and set up your saw according to the instructions in “Assembly and Adjustments” on pages 10 to 12. Connect the tool to a dust extraction system if the air blow switch has been set to the dust extraction mode.
3. Check the workpiece and make sure to remove any nails or foreign objects. Draw a line on your workpiece to indicate the saw path. Secure the work piece in position with clamps or similar devices.
4. Stand to the side of the saw. Avoid positioning yourself so that you’re in the path of chips and wood dust being ejected from the saw. Hold the tool firmly with both hands for maximum control.
5. Set the front of the base plate onto the workpiece without letting the blade contact the workpiece. Turn on the laser (see page 7 for laser safety rules) and align the laser with the saw path that was previously drawn.
6. Turn ON the saw by pressing the power trigger. Wait until the blade reaches full speed.
7. Press the base plate firmly against the workpiece to reduce vibrations or breaking the blade. Apply gentle pressure and slowly move the tool along the saw path to cut.

NOTE: To achieve clean cuts, keep your sawing line straight while smoothly advancing forward. Do not force the saw forward too quickly in order to try and hurry up the process. Let the tool work at its own pace.

8. Once the cut is complete, clear the blade from the workpiece and then release the trigger. Wait for the blade to come to a complete stop before setting down the tool. Unplug the tool from the power outlet.

MAINTENANCE



WARNING: To avoid accidents, always disconnect the tool from the power supply before cleaning or performing any maintenance.

CLEANING

1. Clean the tool after every use with a soft cloth. Keep the ventilation openings free from dust and debris. Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use.

2. Remove the saw blade after use and wipe it clean with a dry cloth.



WARNING: Certain cleaning agents and solvents damage plastic parts. Some of these include but are not limited to: gasoline, carbon tetrachloride, chlorinated cleaning solvents, ammonia and household detergents that contain ammonia.

NOTE: Electric tools used on fiberglass material, wallboard, spackling compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commutators, etc. Consequently, we do not recommend using this tool for extended work on these types of materials. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air after operation.

CARBON BRUSH REPLACEMENT (Fig. 14 & 15)

To maintain maximum efficiency of the motor, we recommend inspecting the two carbon brushes every 60 hours of operation.

NOTE: Replacement carbon brushes (Part No. 33606-019) can be ordered at wenproducts.com. Only genuine WEN replacement brushes designed specifically for your tool should be used.

1. To access the carbon brushes, remove the clear plastic blade guard and unscrew the 11 screws from the right housing. Remove the housing and check the brushes, located left of the stator and pressed against the motor commutator (Fig. 14).

2. The wear on the carbon brushes depends on how frequently and how heavily the tool is used. Replace the brushes when the brush length (Fig. 15) gets down to $\frac{3}{16}$ of an inch or when the tool sparks or stops working. Both carbon brushes should be replaced at the same time.

PRODUCT DISPOSAL

Used power tools should not be disposed of together with household waste. This product contains electrical or electronic components that should be recycled. Please take this product to your local recycling facility for responsible disposal and to minimize its environmental impact.

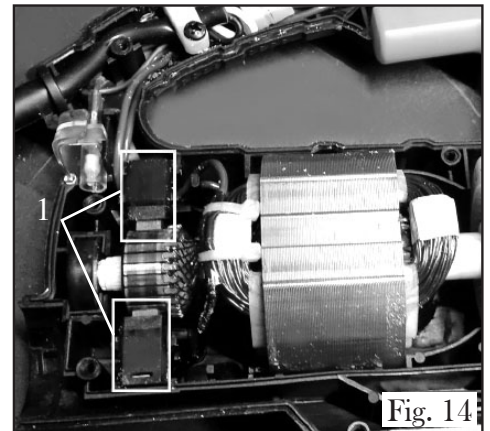


Fig. 14

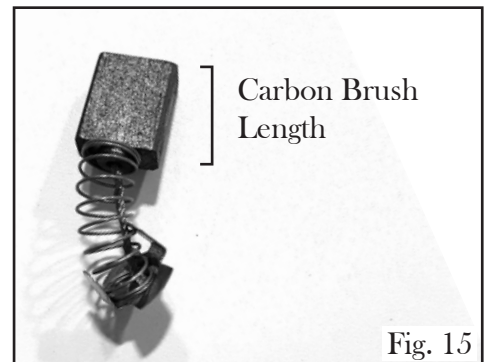


Fig. 15

LIMITED TWO YEAR WARRANTY

WEN Products is committed to build tools that are dependable for years. Our warranties are consistent with this commitment and our dedication to quality.

LIMITED WARRANTY OF WEN CONSUMER POWER TOOLS PRODUCTS FOR HOME USE

GREAT LAKES TECHNOLOGIES, LLC (“Seller”) warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship for a period of two (2) years from date of purchase. Ninety days for all WEN products, if the tool is used for professional use.

SELLER’S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Center. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of purchase must be a direct vendor of Great Lakes Technologies, LLC. Third party vendors such as garage sales, pawn shops, resale shops, or any other secondhand merchant void the warranty included with this product. Contact techsupport@wenproducts.com or 1-800-232-1195 to make arrangements for repairs and transportation.

When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the warranty card and/or the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge.

THIS LIMITED WARRANTY DOES NOT APPLY TO ACCESSORY ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME INCLUDING BELTS, BRUSHES, BLADES, ETC.

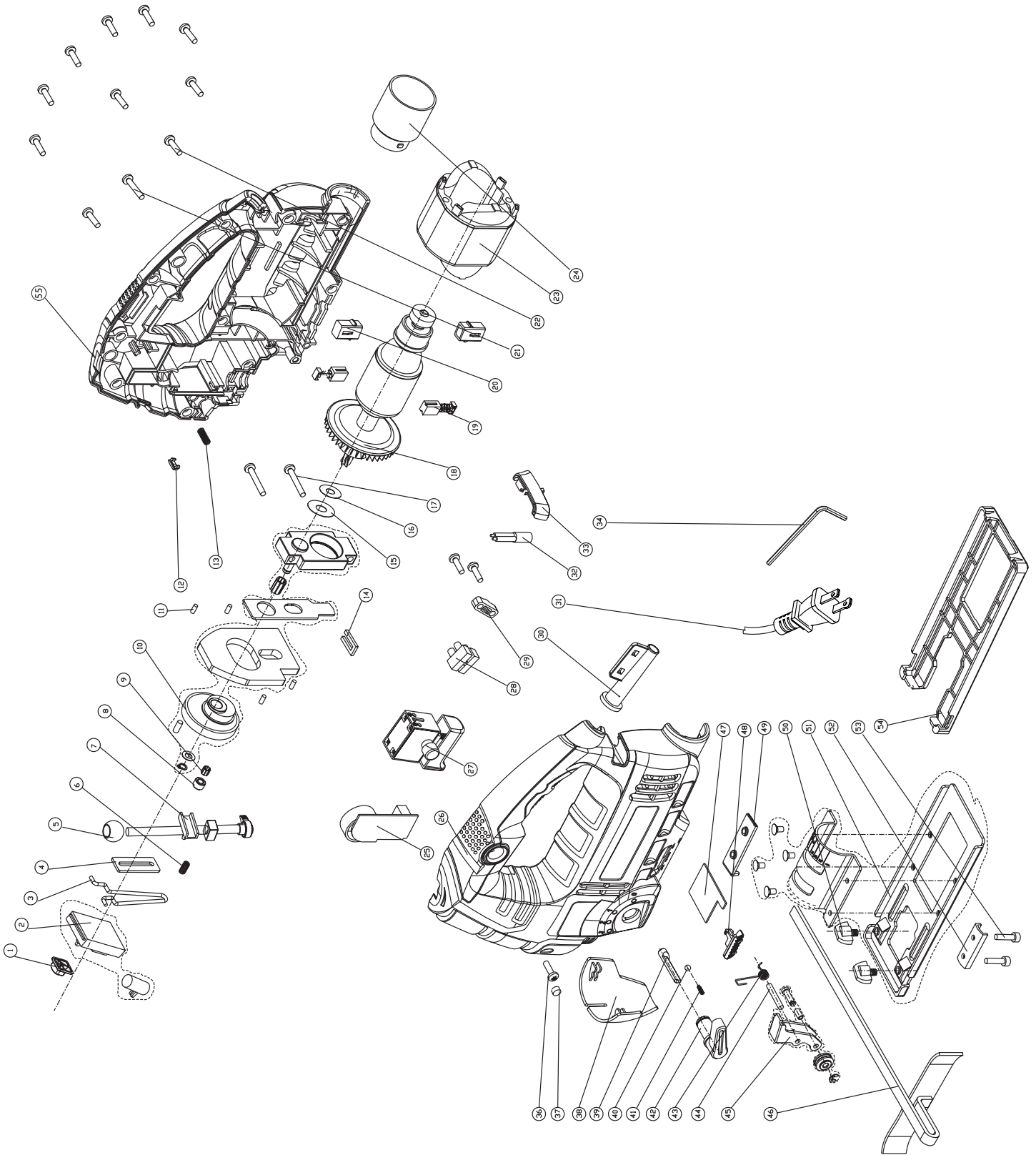
ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO ONE (1) YEAR FROM DATE OF PURCHASE. SOME STATES IN THE U.S., SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE IN THE U.S., PROVINCE TO PROVINCE IN CANADA AND FROM COUNTRY TO COUNTRY.

THIS LIMITED WARRANTY APPLIES ONLY TO PORTABLE ELECTRIC TOOLS, BENCH POWER TOOLS, OUTDOOR POWER EQUIPMENT AND PNEUMATIC TOOLS SOLD WITHIN THE UNITED STATES OF AMERICA, CANADA AND THE COMMONWEALTH OF PUERTO RICO. FOR WARRANTY COVERAGE WITHIN OTHER COUNTRIES, CONTACT THE WEN CUSTOMER SUPPORT LINE.

EXPLODED VIEW & PARTS LIST



EXPLODED VIEW & PARTS LIST

No.	Part No.	Description	Qty.
1	33606-001	Laser Button	1
2	33606-002	Laser Assembly	1
3	33606-003	Steel Wire Protection	1
4	33606-004	Reciprocating Screw Positioning Plate	1
5	33606-005	Ball Slide	1
6	33606-006	Tool Reset Spring	1
7	33606-007	Reciprocating Lever Assembly	1
8	33606-008	Shaft Sleeve	1
9	33606-009	Needle Roller Set	1
10	33606-010	Gear Assembly	1
11	33606-011	Cylindrical Roller	4
12	33606-012	Decorative Covers	1
13	33606-013	Laser Positioning Spring	1
14	33606-014	Dust-proof Piece	1
15	33606-015	Oil Baffle Gasket	1
16	33606-016	Oil Pad	1
17	33606-017	Screw ST4*30	2
18	33606-018	Rotor	1
19	33606-019	Carbon Brush	2
20	33606-020	Brush Holder	2
21	33606-021	Screw ST4*25	1
22	33606-022	Screw ST4*16	12
23	33606-023	Stator	1
24	33606-024	Dust Port Adapter	1
25	33606-025	Speed Control Board Module	1
26	33606-026	Left Housing	1
27	33606-027	Switch	1
28	33606-028	Terminal	1
29	33606-029	Cable Clamp	1
30	33606-030	Cable Sheath	1

No.	Part No.	Description	Qty.
31	33606-031	Power Cord	1
32	33606-032	Power Indicator Module	1
33	33606-033	Power Indicator Module Cover	1
34	33606-034	Wrench S=3	1
36	33606-036	Screw ST4*12	1
37	33606-037	Sealing Column	1
38	33606-038	Transparent Blade Guard	1
39	33606-039	Orbital Adjustment Shaft	1
40	33606-040	Ball $\Phi 4$	1
41	33606-041	Knob Positioning Spring	1
42	33606-042	Blade Orbit Selector	1
43	33606-043	Tool Support Reset Torsion Spring	1
44	33606-044	Tool Support Positioning Small Shaft	1
45	33606-045	Tool Support Module	1
46	33606-046	Parallel Guide Fence	1
47	33606-047	Air Deflector	1
48	33606-048	Vacuum Blower Push Button	1
49	33606-049	Bottom Plate Positioning Plate	1
50	33606-050	Guide Fence Locking Knob	2
51	33606-051	Aluminum Base Component	1
52	33606-052	Bottom Plate	1
53	33606-053	Screw M4*16	2
54	33606-054	Base Sheath	1
55	33606-055	Right Housing	1
56	33606BW	Wood Blade (not shown)	1
57	33606BM	Metal Blade (not shown)	1

NOTE: Parts that wear down over the course of normal use (like saw blades, carbon brushes, etc.) are not covered by the two-year warranty.

**THANKS FOR
REMEMBERING**



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