

FIXMAN

JIG SAW

FM603600



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FIXMAN



Read and follow all safety instructions



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⚠ WARNING 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.

BASIC SAFETY PRECAUTIONS FOR ALL ELECTRIC TOOLS

1. Keep work area clean

--Cluttered area and benches invite injuries.

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, no inflammable liquids or gases must be present.

3. Avoid electric shock

--When you are operating tools, don't touch metal being grounded, such as pipe, radiator, freezer, etc.

4. Keep children and visitors away

--- Don't let children contact tool or extension cord. All visitors should be kept away from work place.

5. Store idle tool

--When not in use, tools should be stored in dry, high, or locked-up place.

6. Don't force tool

--- will do the job better and safer at the rate for which it was intended, Avoid unnecessary overload which may put the operator at risk and impair functions of the tools.

7. Use right tool

--Don't force small tools and attachment 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.

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.

9. Use safety goggles

--Always wear safety goggles. If dust is produced, use the special masks.

10. Don't abuse cables

--Never carry tool by cable or yank it to disconnect it from socket. Keep cable from heat, oil and sharp edges.

11. Don't overreach

--Keep proper footing and balance at all times.

12. Maintain tools with care

--Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.

13. Disconnect tools

--When not in use, before servicing, and when changing accessories such as blades, bits and cutters.

14. Remove adjusting keys and wrenches

--From the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

15. Avoid unintentional starting

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

16. Use extension cord

--If an extension cord is required, always check that its cross-section measurement is equal to or greater than that of the tool capabilities and so marked.

17. Stay alert

--Watch what you are doing. Use common sense. Do not operate tool when you are tired.

18. Check damaged parts

— Before further use of the tool, a guard or other parts 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, binding of moving parts, breakage of parts, mounting and any other condition that may affect its operations. 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. Have defective switches replaced by a qualified service center. Do not use tool if switch does not turn on and off.

19. Check the voltage

--Do not plug the electric tool into the mains until you have checked that the voltage shown on the data plate corresponds to the voltage available.

20. Replace parts

--The use of improper accessory or attachment other than recommended present a risk of personal injuries.

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 of the user.

JIG SAW USE

This jig saw is intended for the cutting of wood pieces, steel, aluminum, plastic with different types of cutting blade.

ADDITIONAL SAFETY REGULATIONS

1. Operator is recommended to wear goggles when operating the tool.
2. When operating, the cable of the tool and its extended wire must be placed at the back side of the tool in order to avoid the cable or extended wire being damaged.
3. During operating, don't hit work piece with grinding disc. When the tool is used to cut small work piece, it mustn't vibrate to the left and right in order to avoid disc being broken. In order to get good result, the slope between the disc and the working surface should be tilted at the angle of 15°-30°.
4. When moving the tool, the user should hold its body or its handle, never drag the tool by its cable.
5. Before using the tool, the tool should be checked to make sure whether the disc guard is in good condition and is fasten tightly. The tool without guard is not allowed to be used.
6. Before using the tool, please make sure that the disinstalling-disassemble button has been in "OFF" position, and whether the main spindle of disc can rotate flexibly.
7. It is prohibited to use the disc- installing-disassemble button as a brake button when the tool is rotating, otherwise, the tool will be damaged and injury may occur to a person.
8. It is important for you to select fiber reinforced cymbal-type disc whose safety speed is not less than the no load rated speed. It is prohibited to use the disc whose diameter is bigger than that of rated size. The no load speed of this series of tools, please see to the list attached.
9. When making inspection, adjustment, and disc changing to the tool, does make sure that the plug of the tool has been pulled out of power socket.
10. Before operating the tool, please make sure whether the disc has a breakage or a crack, it shouldn't give a voice of breakage or crack when knocked slightly by a wooden hammer.

OPERATION REGULATIONS

1. Fitting and removing a saw blade

Note: Prior to assembly and adjustment, always unplug the tool.

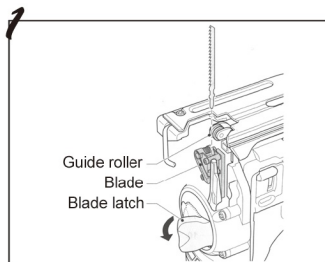
This tool has SDS system for quick and easy changing of saw blade. (see Figure 1.)

Fitting the blade:

- Open the blade holder by fully retracting the blade latch.
- Insert the saw blade into the blade holder, guiding the back of the blade into the groove of the guide roller.
- Release the blade latch, the blade is assembled well.

Removing the blade:

- Release the blade latch, fully retract the blade latch and pull the blade out of the holder.



Saw blades instruction:

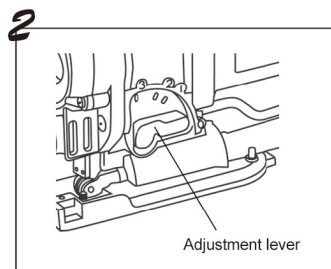
| Blade type | Application |
|------------------------------|---|
| Fine-toothed cutting blade | For smooth straight cuts |
| Coarse-toothed cutting blade | For fast straight cuts |
| Metal cutting blade | For ferrous and non-ferrous metals |
| Flush cutting blade | For finishing off cuts up to a wall or edge |

The blade is supplied with customers' requirement. The above blades may not be supplied with tool.

2. Setting the pendulum action

The four pendulum action settings allow optimum adaptation of cutting speed, cutting capacity and cutting pattern to the material being sawed.

The pendulum action can be adjusted in four steps with the adjustment lever. Switching is possible with the machine running: (see Figure 2.)



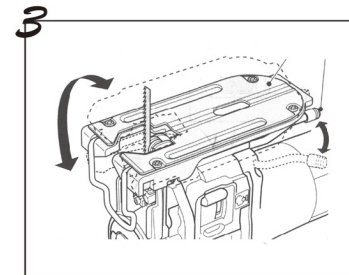
| Position | Cutting method | Example |
|----------|------------------------|---|
| 0 | No pendulum action | Cutting mild steel, stainless steel or plastic, wood, and plywood |
| 1 | Small pendulum action | Cutting mild steel, Aluminum and hard wood |
| 2 | Medium pendulum action | Cutting wood and plywood, fast cutting aluminum and mild steel |
| 3 | Large pendulum action | Fast cutting wood, and plywood |

3. Setting the bevel angle

The adjustable shoe allows cutting of Left hand or Right hand bevel angles from 0-45°. The bevel scale has preset positions at 0°, 15°, 30°, 45°.

(see figure 3.)

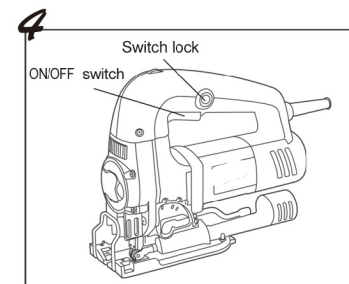
- Release the shoe level.
- Slide the shoe toward the saw blade.
- Tilt the shoe and set the desired bevel angle by using the scale.
- Tighten the shoe lever.



4. Switching on and off

Note: please make sure that the switch is off when the tool plug into electricity socket.

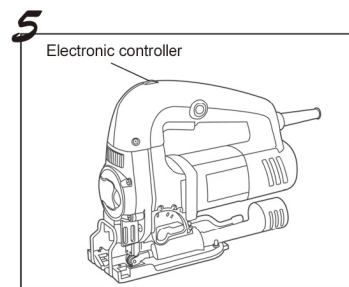
- 1 To run the tool, press the on/off switch
 - 2 For continuous operation, press and hold down the switch, press the lock-on button and release the switch.
 - 3 To stop the tool, release the switch.
 - 4 To stop the tool in continuous operation, press the switch briefly and release it. Always switch off the tool when work is finished and before unplugging.
- (see figure 4.)



5. Setting the electronic sawing speed

To preset the sawing speed, turn the control dial to the desired level. (see figure 5.) The higher the rate, the higher the sawing speed. The required setting depends on the thickness and kind of material.

Using high speeds for sawing soft materials such as wood, Use low speeds for sawing metal, Please refer to below information.



| Working objective | Control dial level |
|-------------------|--------------------|
| Wood | 5~6 |
| Sheet steel | 3~6 |
| Stainless steel | 3~4 |
| Aluminum | 2~3 |
| Plastic | 1~4 |

6. Effective and safe cutting

Note: Please lubricate the guide roller frequently.

- If necessary, draw a cutting line
- Drill a hole(ϕ Min. 12mm) and introduce the saw blade.
- Switch the tool on
- Follow the line when cutting straightly
- For pendulum cutting, please move the tool slightly

6.1 Sawing in metal

- Mount an appropriate saw blade.
- Proceed as described above.
- Use a cooling lubricant (cutting oil) to prevent overheating of the saw blade or the workpiece.

6.2 Mounting the plastic anti-scratch shoe cover.

When cutting some decoration material or plastic workpiece, please use the anti-scratch shoe cover in order to protect the working surface. (see figure 6.)

6.3 Use sawdust blower lever

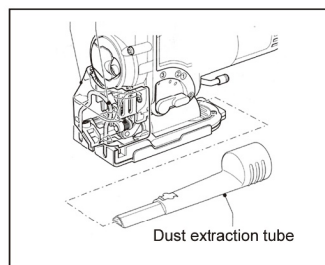
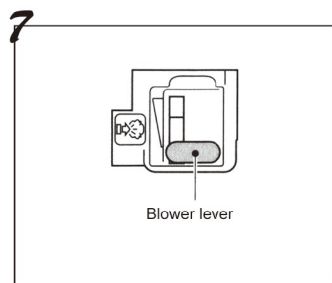
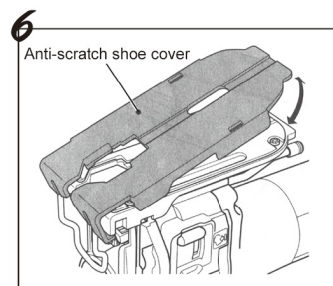
sawdust conducts an adjustable stream of air to the saw blade to keep the workpiece clear of sawdust during operation.

- Set the sawdust blower using the lever.
- Low For working with metals, when using coolants and lubricants and for use with dust extraction.
- Intermediate For working with wood and similar materials in low speed.
- High For working with wood and similar materials in high speed.

(see figure 6.)

6.4 Dust extraction

When the tool is used indoor for extended periods of time, use a suitable dust extractor designed in compliant with applicable directives regarding dust emission. The dust extraction tube in combination with the dust protector helps extracting the dust from the workpiece surface. when connected to a suitable dust extraction system (see figure 8.)



SERVICE AND MAINTENANCE

1. Always disconnect the tool before carrying out inspection or cleaning.
2. Never use water or other liquids to clean the tool. Clean the tool by brushing it with a brush.
3. Check and replace the carbon brush frequently.
4. The air-vent of the tool should be cleaned regularly to avoid the motor too hot due to air-vent blocked.
5. Always check if the components of the tool are fixed well.
6. The parts of tool should be without trace of crack or damage.
7. Always check if the cable is without damage.

◆REPLACING THE CARBON BRUSHES

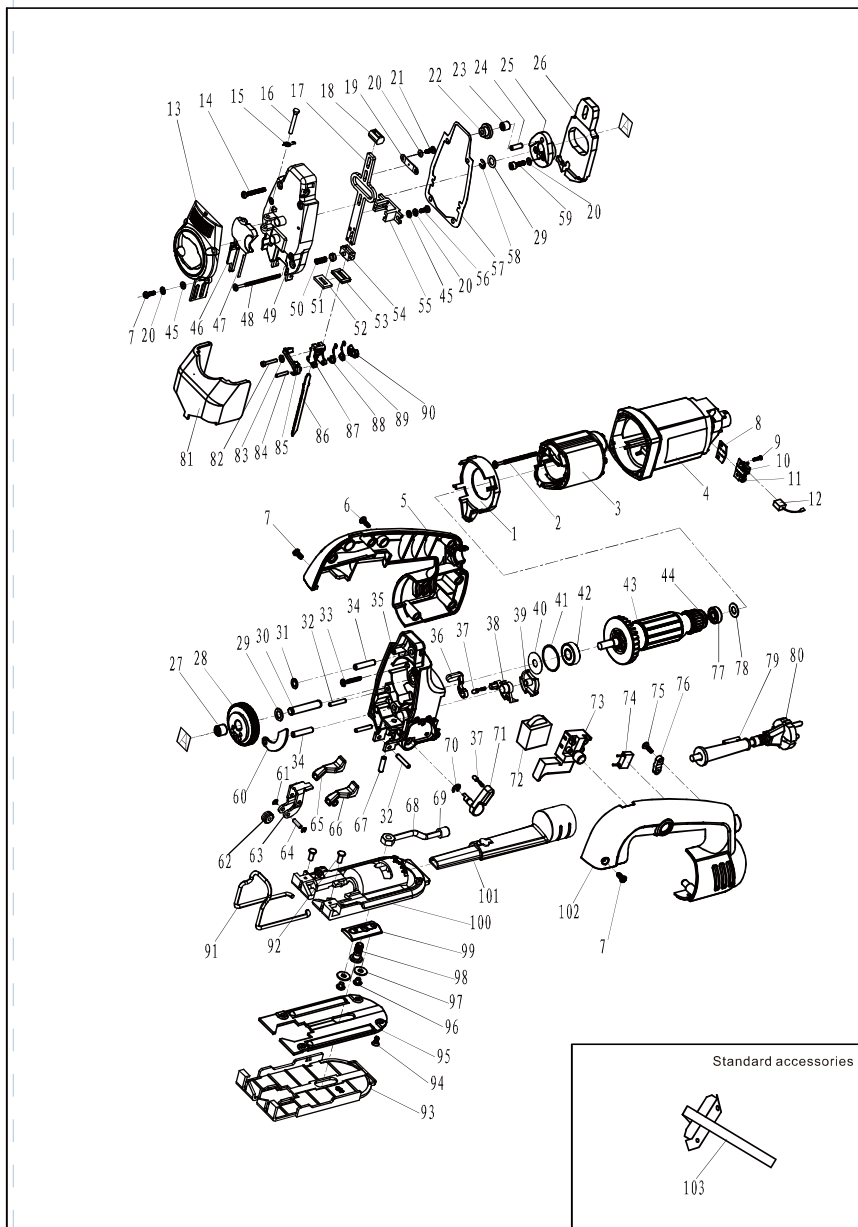
Note: The carbon brush of this tool is internal type. Please replace the carbon brush only by our maintenance service center or dealers. Don't replace it by yourself.

- Replace the carbon brushes when the tool couldn't run or too much sparkle.
- Carbon brushes which are worn out(burned, broken or shorter than 5mm) have to be replaced by new ones.
- Always replace both carbon brushes at the same time and use the brush by original manufacturer.
- The brushes have to fall in the holders easily.
- After placing the new carbon brushes let the tool run for some minutes so that the brushes fit better.

WARRANTEE

- ◆ All the tools we produce are with the guarantee by our company.
- ◆ Damages that are attributable to improper handling, overloading, or natural wear and tear are excluded from the guarantee.
- ◆ The prerequisite is that the tool is handed over assembled, and completed with the proof of sale and guarantee. Don't disassemble the tool.
- ◆ For guarantee claim, only use the original packaging.

EXPLODED DIAGRAM



SPARE PART LIST

Parts list

| NO. | NAME | QTY | NO. | NAME | QTY |
|-----|-----------------------------|-----|-----|------------------------------|-----|
| 1 | Wind Guard | 1 | 42 | Bearing 6000-2RS | 1 |
| 2 | Screw ST4.2X60 | 2 | 43 | Rotor Assy | 1 |
| 3 | Stator Assy | 1 | 44 | Ring | 1 |
| 4 | Housing | 1 | 45 | Flat Washer 4 | 2 |
| 5 | Right Rear Handle | 1 | 46 | Blade Latch | 1 |
| 6 | Screw ST4.2X18 | 7 | 47 | Blade Latch Wedge | 1 |
| 7 | Screw M4×14 | 6 | 48 | Screw ST4.2×65 | 2 |
| 8 | Heat Insulation Plate | 2 | 49 | Transmission Box | 1 |
| 9 | Screw ST2.9×10 | 4 | 50 | Lower Guide Bushing Spring | 1 |
| 10 | Brush Holder | 2 | 51 | Upper Guide Bushing Washer | 1 |
| 11 | Electric Spring | 2 | 52 | Square Oil-proof Ring | 1 |
| 12 | Carbon Brush | 2 | 53 | Square Oil-proof Ring Holder | 1 |
| 13 | Front Cover | 1 | 54 | Lower Guide Bushing | 1 |
| 14 | Screw M4X28 | 2 | 55 | Lower Guide Bushing Presser | 1 |
| 15 | Spring for Blade Latch | 1 | 56 | Screw M4×12 | 2 |
| 16 | Movable Pin | 1 | 57 | Paper Ring | 1 |
| 17 | Reciprocating Pole | 1 | 58 | Circlip 6 | 1 |
| 18 | Upper Guide Bushing | 1 | 59 | Screw M4X20 | 2 |
| 19 | Upper Guide Bushing Presser | 1 | 60 | Knife Guide Plate | 1 |
| 20 | Spring Washer 4 | 10 | 61 | Circlip 3 | 2 |
| 21 | Screw M4x10 | 2 | 62 | Guide Wheel | 1 |
| 22 | Transmission Roller | 1 | 62 | Guide Wheel Holder | 1 |
| 23 | Needle Bearing Hk0508 | 1 | 64 | Guide Wheel Pin | 1 |
| 24 | Pin Ø5X15 | 1 | 65 | Left Wind Blower | 1 |
| 25 | Transmission Wheel | 1 | 66 | Right Wind Blower | 1 |
| 26 | Balance Block | 1 | 67 | Pin Ø5x20 | 1 |
| 27 | Needle Bearing Hk0810 | 1 | 68 | Show Lever | 1 |
| 28 | Wheel Gear | 1 | 69 | Show Lever Sleeve | 1 |
| 29 | Gear Washer | 2 | 70 | Split PIN | 1 |
| 30 | Gear shaft | 1 | 71 | Pendulum Lever | 1 |
| 31 | Washer | 1 | 72 | Electronics | 1 |
| 32 | Pin Ø4X24 | 3 | 73 | Switch | 1 |
| 33 | Screw ST4.2×25 | 2 | 74 | Capacitor | 1 |
| 34 | Pin Ø6×30 | 1 | 75 | Screw ST4.2X14 | 2 |
| 35 | Gear Box Assy | 1 | 76 | Cable Clamp | 1 |
| 36 | Air Adjust Block | 1 | 77 | Bearing 607-2RZ | 1 |
| 37 | Air Control Dial Button | 2 | 78 | Bearing Sleeve | 1 |
| | Adjustment spring | 2 | 79 | Cable Protector | 1 |
| | Steel ball | 2 | 80 | Cable and Plug | 1 |
| 38 | Air Adjust Block | 1 | 81 | Dust Protector | 1 |
| 39 | Blower Seat | 1 | 82 | Screw M3X18 | 2 |
| 40 | Paper Washer | 1 | 83 | Spring Washer 3 | 2 |
| 41 | Ring Ø26XØ29X3 | 1 | 84 | Collet Pin | 1 |

| | | | | | |
|----|--------------------------|---|-----|---|---|
| 85 | Left Blade Holder | 1 | 94 | Screw M4X10 | 4 |
| 86 | Saw Blade 100.3 (Timber) | 1 | 95 | Bottom Plate | 1 |
| | Saw Blade 76.3(Metal) | 1 | 96 | Screw M5X10 | 2 |
| 87 | Blade Holder Seat | 1 | 97 | Washer $\Phi 7 \times \Phi 18 \times 2$ | 2 |
| 88 | Left Torsional Spring | 1 | 98 | Locking Screw | 1 |
| 89 | Right Torsional Spring | 1 | 99 | Bevel Angle Adjust Block | 1 |
| 90 | Right Blade Holder | 1 | 100 | Base Plate | 1 |
| 91 | Steel Wire Bracket | 1 | 101 | Dust Extraction Tube | 1 |
| 92 | Fixing Screw Nut | 2 | 102 | Left Rear Handle | 1 |
| 93 | Anti-Scratch Shoe Cover | 1 | 103 | Staff Gauge | 1 |

SPECIFICATIONS

| | |
|----------------------|--|
| Model No. | FM603600 |
| Cutting Capacity | Wood:130mm,Steel:10mm,Aluminum:30mm |
| Voltage | 220V-230V |
| Frequency | 50Hz-60Hz |
| Rated power | 600W |
| Curency when loading | 2.9A |
| No-load speed | 500-2500RPM |
| Weight | 3.0kg |
| Standard accessories | <div> <div>Saw blade</div> <div>Dust extraction tube</div> <div>Carbon brush</div> <div>Special wrench</div> <div>Instruction manual</div> <div>Warrantee card</div> </div> <div> <div>2pc</div> <div>1pc</div> <div>1pair</div> <div>1pc</div> <div>1pc</div> <div>1pc</div> </div> |

