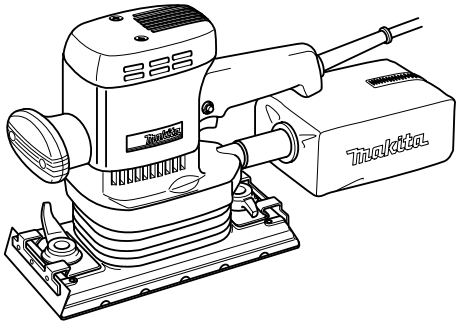
ENGLISH (Original instructions)

INSTRUCTION MANUAL

Orbital Sander

9046



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DOUBLE INSULATION

IMPORTANT: Read Before Using.

ENGLISH (Original instructions)

SPECIFICATIONS

Model	9046
Pad size	115 mm x 229 mm
Abrasive paper size	115 mm x 280 mm
Orbits per minute (min^{-1})	6,000
Overall length	283 mm
Net weight	3.1 kg
Safety class	⧈/II

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

• Specifications may differ from country to country.

• Weight according to EPTA-Procedure 01/2003

END201-6

Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.

· Read instruction manual.

· DOUBLE INSULATION

· Only for EU countries
Do not dispose of electric equipment together with household waste material! In observance of European Directive 2012/19/EU on waste electric and electronic equipment and its implementation in accordance with national law, electric equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

ENE052-1

Intended use

The tool is intended for the sanding of large surface of wood, plastic and metal materials as well as painted surfaces.

ENF002-2

Power supply

The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated and can, therefore, also be used from sockets without earth wire.

ENG905-1

Noise

The typical A-weighted noise level determined according to EN60745:

Sound pressure level (L_{pA}) : 84 dB(A)
Sound power level (L_{WA}) : 95 dB(A)
Uncertainty (K) : 3 dB(A)

Wear ear protection

ENG900-1

Vibration

The vibration total value (tri-axial vector sum) determined according to EN60745:

Work mode : sanding metal plate
Vibration emission (a_h) : 3.5 m/s^2
Uncertainty (K) : 1.5 m/s^2

ENG901-1

- The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.
- The declared vibration emission value may also be used in a preliminary assessment of exposure.

⚠WARNING:

- The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.
- Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

ENH101-16

For European countries only

EC Declaration of Conformity

We Makita Corporation as the responsible manufacturer declare that the following Makita machine(s):

Designation of Machine:
Orbital Sander
Model No./ Type: 9046
are of series production and

Conforms to the following European Directives:

2006/42/EC

And are manufactured in accordance with the following standards or standardised documents:

EN60745

The technical documentation is kept by:

Makita International Europe Ltd.
Technical Department,
Michigan Drive, Tongwell,
Milton Keynes, Bucks MK15 8JD, England

30.1.2009

000230

Tomoyasu Kato
Director
Makita Corporation
3-11-8, Sumiyoshi-cho,
Anjo, Aichi, 446-8502, JAPAN

GEA005-3

General Power Tool Safety Warnings

⚠ **WARNING Read all safety warnings and all 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.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

4. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
5. **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
8. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
9. **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.
10. **Use of power supply via a RCD with a rated residual current of 30mA or less is always recommended.**

Personal safety

11. **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.
12. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
13. **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.
14. **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.

15. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
16. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
17. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Power tool use and care

18. **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.
19. **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.
20. **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.
21. **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.
22. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
23. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
24. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

Service

25. **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.
26. **Follow instruction for lubricating and changing accessories.**
27. **Keep handles dry, clean and free from oil and grease.**

GEB021-4

SANDER SAFETY WARNINGS

1. **Always use safety glasses or goggles. Ordinary eye or sun glasses are NOT safety glasses.**
2. **Hold the tool firmly.**
3. **Do not leave the tool running. Operate the tool only when hand-held.**
4. **This tool has not been waterproofed, so do not use water on the workpiece surface.**
5. **Ventilate your work area adequately when you perform sanding operations.**
6. **Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.**
7. **Use of this tool to sand some products, paints and wood could expose user to dust containing hazardous substances. Use appropriate respiratory protection.**
8. **Be sure that there are no cracks or breakage on the pad before use. Cracks or breakage may cause a personal injury.**

SAVE THESE INSTRUCTIONS.

⚠WARNING:

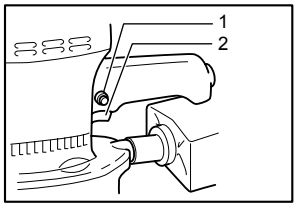
DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

FUNCTIONAL DESCRIPTION

⚠CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

Switch action



1. Lock button
2. Switch trigger

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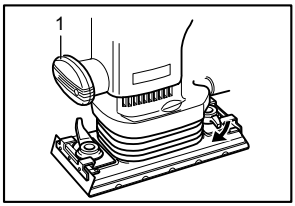
⚠CAUTION:

- Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the switch trigger. Release the switch trigger to stop.
For continuous operation, pull the switch trigger and then push in the lock button.
To stop the tool from the locked position, pull the switch trigger fully, then release it.

Front grip



1. Front grip

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The front grip position can be changed in 90° increments. Pull the front grip and rotate it to the desired position.

ASSEMBLY

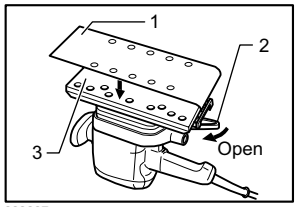
⚠CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Installing or removing abrasive paper

For conventional type of abrasive paper with pre-punched holes (standard equipment):

Turn the clamp lever counterclockwise. Insert the paper end into the clamper, aligning the holes in the paper with those in the pad. Then return the clamp lever to the original position to secure the paper. Repeat the same process for the other end of the tool, maintaining the proper paper tension.



1. Conventional type of abrasive paper
2. Clamp lever
3. Pad

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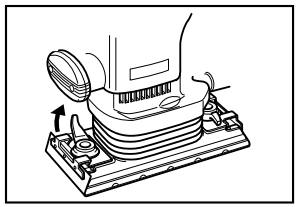

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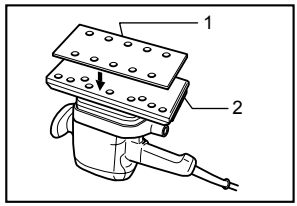
For the velcro type of abrasive paper (accessory)



1. Velcro type of abrasive paper
2. Pad

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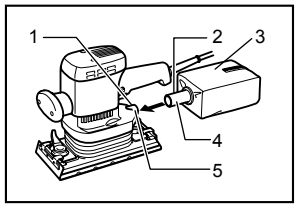
Remove all dirt or foreign matter from the pad. Attach the paper to the pad, aligning the holes in the paper with those in the pad.

⚠CAUTION:

- Always use velcro type of abrasive papers. Never use pressure-sensitive abrasive papers.

Dust bag



1. ⬭ Mark
2. ▭ Mark
3. Dust bag
4. Entry port
5. Dust spout

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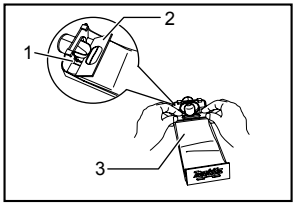
To install the dust bag, align the ⬭ mark on the bag's entry port with the ▭ mark on the dust spout of the tool and fit the entry port onto the dust spout. Then turn the

dust bag clockwise to secure it in place.
For the best results, empty the dust bag when it becomes approximately half full, tapping it lightly to remove as much dust as possible.
To remove the dust bag, follow the installation procedures in reverse.

Installing paper dust bag (optional accessory)



1. Groove
2. Front fixing cardboard
3. Front side of paper dust bag

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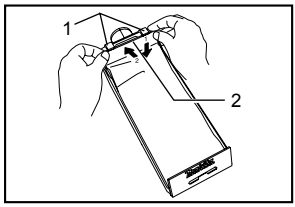
Place the paper dust bag on the paper dust bag holder with its front side upward. Insert the front fixing cardboard of the paper dust bag into the groove of the paper dust bag holder.
Then press the upper part of the front fixing cardboard in arrow direction to hook it onto the claws.



1. Claws
2. Upper part

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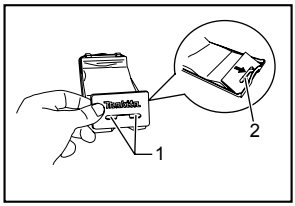
Insert the notch of the paper dust bag into the guide of the paper dust bag holder. Then install the paper dust bag holder set on the tool.



1. Notch
2. Guide

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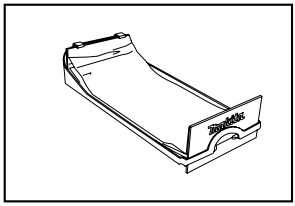

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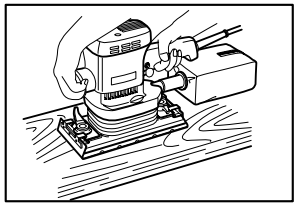
NOTE:

- If you connect a Makita dust collector to this tool, more efficient and cleaner operations can be performed.

OPERATION

Sanding operation



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⚠CAUTION:

- Never run the tool without the abrasive paper. You may seriously damage the pad.
- Do not block motor vent with your finger or hand.
- Never force the tool. Excessive pressure may decrease the sanding efficiency, damage the abrasive paper or shorten tool life.

Hold the tool firmly with one hand on the switch handle and the other hand on the front grip when performing the tool. Turn the tool on and wait until it attains full speed. Then gently place the tool on the workpiece surface. Keep the pad flush with the workpiece and apply slight pressure on the tool.

MAINTENANCE

⚠CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

To maintain product SAFETY and RELIABILITY, repairs, carbon brush inspection and replacement, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

OPTIONAL ACCESSORIES

⚠CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Abrasive paper (with pre-punched holes)
- Velcro type of abrasive paper (with pre-punched holes)
- Joint 25 (for connecting to vacuum cleaner)
- Paper dust bag
- Paper dust bag holder

NOTE:

- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

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