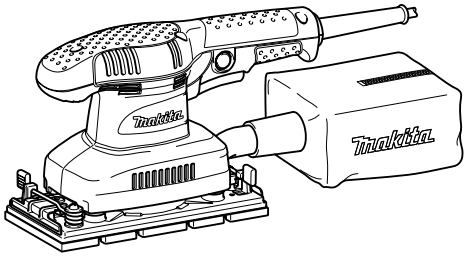
ENGLISH (Original instructions)

INSTRUCTION MANUAL

Finishing Sander

BO3710
BO3711



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DOUBLE INSULATION

⚠WARNING:
For your personal safety, READ and UNDERSTAND before using.
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

ENGLISH

SPECIFICATIONS

Model	BO3710	BO3711
Pad size	93 mm x 185 mm	
Abrasive paper size	93 mm x 228 mm	
Orbits per minute (min^{-1})	11,000	4,000 - 11,000
Overall length	253 mm	
Net weight	1.6 kg	
Safety class	⧈/II	

- Due to our continuing programme 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

END201-5

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 2002/96/EC 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.

ENF002-1

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 in accordance with European Standard and can, therefore, also be used from sockets without earth wire.

ENG104-1

For European countries only

Noise

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

Sound pressure level (L_{pA}) : 72 dB(A)
Uncertainty (K) : 3 dB(A)

The noise level under working may exceed 80 dB (A).

Wear ear protection.

ENG211-2

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

ENH101-12

EC Declaration of Conformity

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

Designation of Machine:
Finishing Sander

Model No./ Type: BO3710,BO3711
are of series production and

Conforms to the following European Directives:

98/37/EC until 28th December 2009 and then with 2006/42/EC from 29th December 2009

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

EN60745

The technical documentation is kept by our authorised representative in Europe who is:

Makita International Europe Ltd,
Michigan, Drive, Tongwell,
Milton Keynes, MK15 8JD, England

30th January 2009

000230

Tomoyasu Kato
Director
Makita Corporation
3-11-8, Sumiyoshi-cho,
Anjo, Aichi, 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.**

GEB021-3

SANDER SAFETY WARNINGS

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

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:

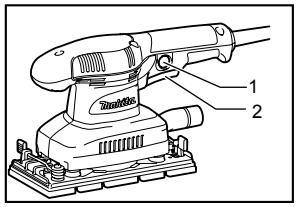
MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

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

010214

⚠CAUTION:

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

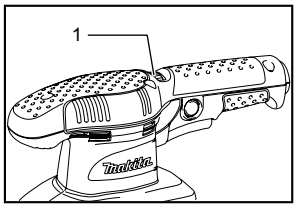
To start the tool, simply pull the switch trigger. Release the switch trigger to stop.

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.

Speed adjusting dial

For BO3711 only



1. Speed adjusting dial

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⚠CAUTION:

- If the tool is operated continuously at low speeds, the motor will get overloaded and heated up.
- The speed adjusting dial can be turned only as far as 5 and back to 1. Do not force it past 5 or 1, or

the speed adjusting function may no longer work.
The tool speed can be infinitely adjusted between 4,000 and 11,000 orbits per minute by turning the speed adjusting dial, which is marked 1 to 5. Higher speed is obtained when the dial is turned in the direction of number 5, lower speed is obtained when it is turned in the direction of number 1. Adjust the desired tool speed for the kind of work.

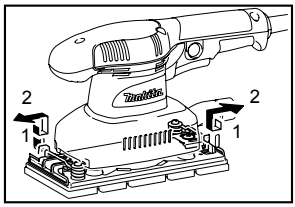
ASSEMBLY

⚠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

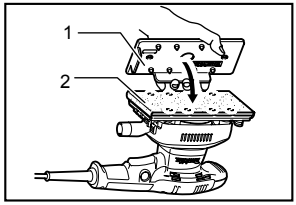
For conventional type of abrasive paper with pre-punched holes (standard equipment):



010216

Press down the clamp lever (1 in the figure) and with the clamp lever pressed down slide it toward the tool (2 in the figure) and the clamper will be released.
Insert the paper end between a clamper and the pad aligning the holes in the paper with those in pad. Then return the clamp lever to the original position to secure it.
Release the other clamp lever by repeating the same procedure.
While pulling abrasive paper to maintain the proper tension, insert and secure the other end of abrasive paper between another clamper and the pad and return the clamp lever to the original position.
To remove the paper, release the clamper as stated above.

For conventional type of abrasive paper without pre-punched holes (available on the market):



010224

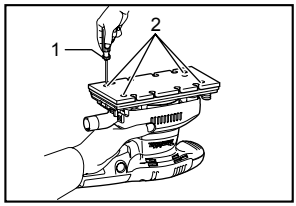
1. Punch plate
2. Abrasive paper without pre-punched holes

Press down the clamp lever 1 and with the clamp lever pressed down slide it toward the tool 2 and the clamper will be released.
Insert the paper end between a clamper and the pad aligning the paper edges even and parallel with the sides of the base. Then return the clamp lever to the original position to secure it.
Release the other clamp lever by repeating the same procedure.
While pulling abrasive paper to maintain the proper tension, insert and secure the other end of abrasive paper between another clamper and the pad and return the paper clamp lever to the original position.
Place the punch plate (optional accessory) over the paper so that the guide of the punch plate is flush with the sides of the base. Then press the punch plate to make holes in the paper.
To remove the paper, release the clamper as stated above.

For hook-and-loop type of abrasive paper with pre-punched holes (optional accessory):

⚠CAUTION:

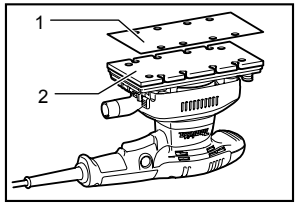
- Always use hook-and-loop type of abrasive papers. Never use pressure-sensitive abrasive paper.



010218

1. Screwdriver
2. Screw

Remove the pad for the conventional type of abrasive paper from the tool with a screwdriver. Install the pad for the hook-and-loop type of abrasive paper (optional accessory) on the tool. Tighten the screws firmly to secure the pad.

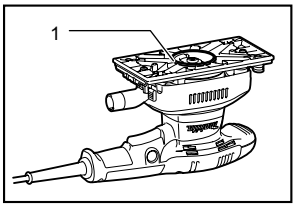


010217

1. Abrasive paper
2. Pad

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.



1. O-ring

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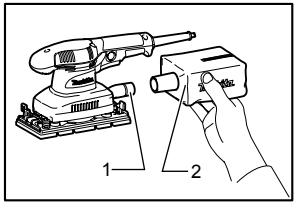
⚠CAUTION:

- When removing the pad, O ring may come out of the tool. When this occurs, return the O ring to the original position and then install the pad.

Dust bag (optional accessory)

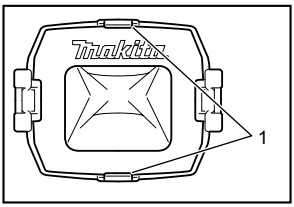


1. Dust spout
2. Dust bag

010219

Attach the dust bag onto the dust spout. The dust spout is tapered. When attaching the dust bag, push it onto the dust spout firmly as far as it will go to prevent it from coming off during operation.
For the best results, empty the dust bag when it becomes approximately half full, tapping it lightly to remove as much dust as possible.

Installing filter (Optional accessory)



1. Holding tab

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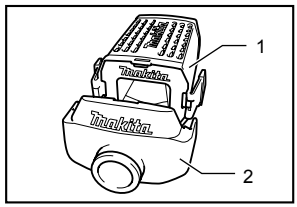
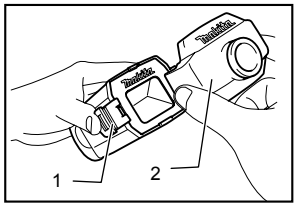
Make sure that the logo on the cardboard lip and the logo on the dust box are on the same side, then install the filter by fitting the cardboard lip in the groove of each holding tab.



1. Dust box
2. Dust nozzle

009095

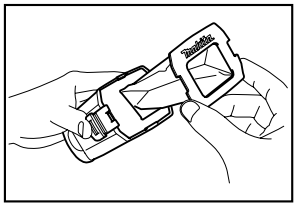
Make sure that the logo on the cardboard lip and the logo on the dust nozzle are on the same side, then install the dust nozzle on the dust box. Removing dust box and filter.



1. Latch
2. Dust nozzle

009092

Remove the dust nozzle by pushing the two latches.

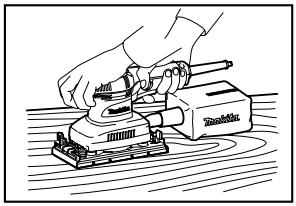


009093

Remove the filter first by pinching the logo side of its cardboard lip, then by pulling the cardboard lip downwards to move it out of the holding tab of the dust box.

OPERATION

Sanding operation



010222

⚠CAUTION:

- Never run the tool without the abrasive paper. You may seriously damage the pad.
- Never force the tool. Excessive pressure may decrease the sanding efficiency, damage the abrasive paper or shorten tool life.

Hold the tool firmly. 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.

NOTICE:

- 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.

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)
- Hook-and-loop type of abrasive paper
- Punch plate
- Backing pad (For use with hook-and-loop type of abrasive paper)
- Backing pad (For use with conventional type of abrasive paper)
- Dust bag
- Dust box
- Filter
- Hose

Makita Corporation Anjo, Aichi, Japan

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