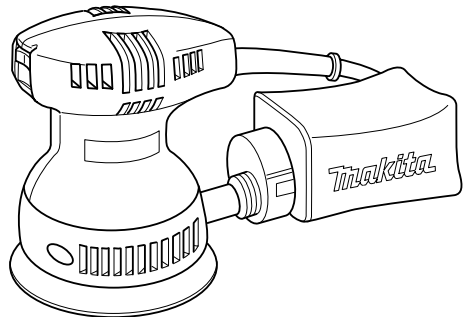




Random Orbit Sander

MODEL BO5010

MODEL BO5011



003276



I N S T R U C T I O N M A N U A L

⚠ WARNING:

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

SPECIFICATIONS

Model	BO5010 / BO5011
Pad size	123 mm (4-13/16")
Orbits per minute	12,000
Dimensions (L x W x H)	150 mm x 123 mm x 145 mm (5-7/8" x 4-13/16" x 5-11/16")
Net weight	1.2 kg (2.6 lbs)

- Manufacturer reserves the right to change specifications without notice.
- Specifications may differ from country to country.

GENERAL SAFETY RULES

USA002-2

(For All Tools)

WARNING:


Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

Work Area

1. **Keep your work area clean and well lit.** Cluttered benches and 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 bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

Electrical Safety

4. **Double insulated tools are equipped with 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 a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.

-
- 5. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
 - 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 to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
 - 8. When operating a power tool outside, use an outdoor extension cord marked “W-A” or “W”.** These cords are rated for outdoor use and reduce the risk of electric shock.

Personal Safety

- 9. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- 10. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
- 11. Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- 12. Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- 13. Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- 14. Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Ordinary eye or sun glasses are NOT eye protection.

Tool Use and Care

- 15. Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
- 16. Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- 17. Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- 18. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- 19. Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- 20. Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
- 21. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
- 22. Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

SERVICE

23. Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.

24. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

USE PROPER EXTENSION CORD: Make sure your extension cord is in good condition. 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. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Table 1: Minimum gage for cord

Ampere Rating		Volts	Total length of cord in feet			
		120 V	25 ft.	50 ft.	100 ft.	150 ft.
More Than	Not More Than	AWG				
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

SPECIFIC SAFETY RULES

USB040-4

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

1. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.
2. Always use safety glasses or goggles. Ordinary eye or sun glasses are NOT safety glasses.
3. Hold the tool firmly.
4. Do not leave the tool running. Operate the tool only when hand-held.
5. This tool has not been waterproofed, so do not use water on the workpiece surface.
6. Ventilate your work area adequately when you perform sanding operations.
7. Use of this tool to sand some products, paints and wood could expose user to dust containing hazardous substances. Use appropriate respiratory protection.

SAVE THESE INSTRUCTIONS

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

SYMBOLS


USD205-1

The followings show the symbols used for tool.


V volts

A amperes

Hz hertz

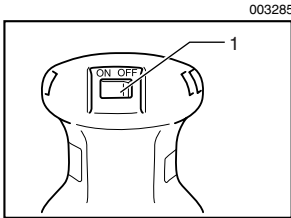
alternating current

n_0 no load speed

 Class II Construction

.../min..... orbits per minute

FUNCTIONAL DESCRIPTION



1. Switch

⚠ CAUTION:

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

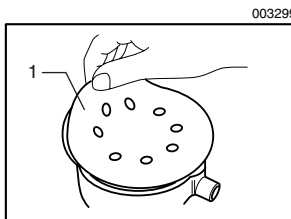
Switch action

⚠ CAUTION:

- Before plugging in the tool, always check to see that the tool is switched off.
- Switch can be locked in “ON” position for ease of operator comfort during extended use. Apply caution when locking tool in “ON” position and maintain firm grasp on tool.

To start the tool, press the “ON (|)” side of the switch. To stop the tool, press the “OFF (O)” side of the switch.

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 disc

For BO5010

⚠ CAUTION:

- Always use hook-and-loop system abrasive discs. Never use pressure-sensitive abrasive discs.

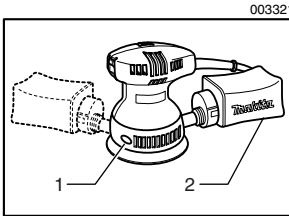
To install the abrasive disc, first remove all dirt or foreign matter from the pad. Then attach the abrasive disc to the pad, using the hook-and-loop system of the abrasive disc and the pad. Be careful to align the holes in the abrasive disc with those in the pad.

For BO5011

To install the abrasive disc, first remove all dirt or foreign matter from the pad. Then peel off the backing paper from the abrasive disc and attach the abrasive disc to the pad. Be careful to align the holes in the abrasive disc with those in the pad.

⚠ CAUTION:

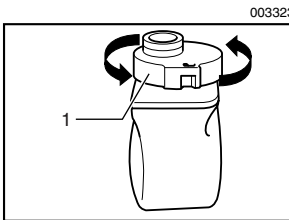
- If you peel off the abrasive disc from the pad, its adhesion will become poor. Never attempt to stick it onto the pad for further use.



1. Skirt
2. Dust bag

Installing dust bag

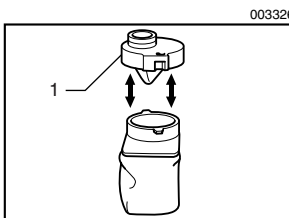
Install the dust bag on the tool so that the Makita logo on the dust bag will be upright (not upside down). The dust bag can be swiveled 360°. Position the skirt so that the dust bag will not interfere with your work.



1. Dust nozzle

Emptying dust bag

When the dust bag is about half full, switch off and unplug the tool. Remove the dust bag from the tool. Then remove the dust nozzle from the dust bag after unlocking the dust nozzle by turning it slightly counterclockwise. Empty the dust bag by tapping it lightly.

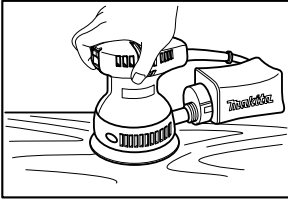


1. Dust nozzle

After emptying the dust bag, install the dust nozzle on the dust bag. Turn the dust nozzle slightly clockwise to lock it in place. Then install the dust bag on the tool as described in “Installing dust bag”.

OPERATION

003336



Sanding operation

⚠ CAUTION:

- Never switch on the tool when it is in contact with the workpiece, it may cause an injury to operator.
- Never run the tool without the abrasive disc. You may seriously damage the pad.
- Never force the tool. Excessive pressure may decrease the sanding efficiency, damage the abrasive disc 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.

ON-LOAD ⇔ OFF-LOAD

⚠ CAUTION:

- The sanding pad rotates clockwise during the loaded operation, but it may rotate counterclockwise during the no-load operation.

MAINTENANCE

⚠ CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

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

- For BO5010
- Hook-and-loop type abrasive discs (with pre-punched holes)
- For BO5011
- Pressure-sensitive abrasive discs (with pre-punched holes)

Memo

Memo



Memo

Cut



**Makita Canada Inc.
1950 Forbes Street,
Whitby, Ontario
L1N 7B7**

Stamp
Timbre

Fold

Your answers to the following questions are appreciated.

1. This product was purchased from?

- Hardware/lumber Store Industrial Supply
 Tool Distributor Other ()

3. How did you first learn of Makita Power Tools?

- Magazine/Newspaper Catalog
 From dealer Other ()
 Store display

2. Use of the product is intended for?

- Construction trade Home maintenance
 Industrial maintenance Other ()

4. Most favored points are?

- Design Makita Brand
 Features Power
 Size Other ()
 Price

5. Any comments?

Certificate of Warranty Mail to Makita

Date Purchased Month: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> Day: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/> Year 20: <input style="width: 30px; height: 20px;" type="text"/> <input style="width: 30px; height: 20px;" type="text"/>	Model No. <input style="width: 100%; height: 20px;" type="text"/> <hr/> Serial No. <input style="width: 100%; height: 20px;" type="text"/>
Initial Last Name: <input style="width: 100%; height: 20px;" type="text"/>	
Male <input type="checkbox"/> Female <input type="checkbox"/> Single <input type="checkbox"/> Married <input type="checkbox"/>	
Street Address: <input style="width: 100%; height: 20px;" type="text"/>	
City: <input style="width: 90%; height: 20px;" type="text"/>	Province: <input style="width: 90%; height: 20px;" type="text"/>
Postal Code: <input style="width: 100%; height: 20px;" type="text"/>	
AGE: <input type="checkbox"/> Under 19 <input type="checkbox"/> 20-29 <input type="checkbox"/> 30-39 <input type="checkbox"/> 40-49 <input type="checkbox"/> Over 50	

Occupation:

Dealer's Name & Address:

Factory Service Centres

Head Office:	1950 Forbes St., Whitby, Ontario, L1N 7B7 (905) 571 - 2200	1-800-263-3734
Regional Office:	11771 Hammersmith Way, Richmond B.C. V7A 5H6 (604) 272 - 3104	1-800-663-0909
Regional Office: (Montreal)	6389 boul. Couture, St. Leonard, Quebec H1P 3J5 (514) 323 - 1223	1-800-361-7049
Dartmouth:	202 Brownlow Avenue Dartmouth, N.S., B3B 1T5 (902) 468 - 7064	1-888-625-4821
Ville St. Laurent: (Montreal)	1140 Rue Bégin, Ville St. Laurent, Quebec H4R 1X1 (514) 745 - 5025	1-888-745-5025
Les Saules: (Quebec)	1200 St. Jean Baptiste, Unit 106, Les Saules, Quebec, G2E 5E8 (418) 871 - 5720	1-800-663-5757
Nepean: (Ottawa)	210 Colonnade Road, Unit 11, Nepean, Ontario, K2E 7M1 (613) 224 - 5022	1-888-560-2214
Whitby:	1950 Forbes St., Whitby, Ontario, L1N 7B7 (905) 571 - 2200	1-800-263-3734
London:	317 Adelaide St. S., Unit 117, London, Ontario, N5Z 3L3 (519) 686 - 3115	1-800-571-0899
Mississauga:	6350 Tomken Rd., Unit 8, Mississauga, Ontario, L5T 1Y3 (905) 670 - 7255	1-888-221-9811
Calgary:	#8-6115 Fourth St. S.E., Calgary Alberta, T2H 2H9 (403) 243 - 3995	1-800-267-0445
Edmonton:	11614-149 Street, Edmonton, Alberta, T5M 3R3 (780) 455 - 6644	1-888-455-6644
Richmond:	11771 Hammersmith Way, Richmond, B.C., V7A 5H6 (604) 272 - 3104	1-800-663-0909
Coquitlam:	2131 Hartley Ave., #103 Coquitlam, B.C. V3K 2Z3 (604) 525 - 7434	1-800-266-7738
Winnipeg:	1670 St. James Street, Winnipeg, Manitoba, R3H 0L3 (204) 694 - 0402	1-800-550-5073
Saskatoon:	206A-2750 Faithful Avenue Saskatoon, Saskatchewan, S7K 6M6 (306) 931 - 0111	1-888-931-0111

For the authorized service centre nearest you please refer to the local yellow pages directory under "tools" or contact our customer service department (Tel) 1-800-263-3734

When you need service...

- Explain the problem in a letter
- Enclose the letter with the tool
- Package carefully and send prepaid to the nearest Makita factory or authorized service centre

CUSTOMER RECORD

DATE
 PURCHASED: _____
 DEALER'S NAME
 & ADDRESS: _____

 MODEL NO.: _____
 SERIAL NO.: _____

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centres. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply:

- where normal maintenance is required,
- repairs have been made or attempted by others,
- the tool has been abused, misused or improperly maintained,
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

"The Makita Warranty is the only and the entire written warranty given by Makita for the Makita tools. No dealer or his agent or employee is authorized to extend or enlarge upon this warranty by any verbal or written statement or advertisement."

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE YEAR TERM OF THIS WARRANTY.

"This Warranty gives you specific rights. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any warranties set forth in any provincial legislation. To the extent required by law, the provisions in any provincial or federal legislation with respect to warranties take precedence over the provisions in this warranty."

Makita Corporation of America

2650 Buford Hwy., Buford, GA 30518