

Models No. ▶ BO5020 BO5021

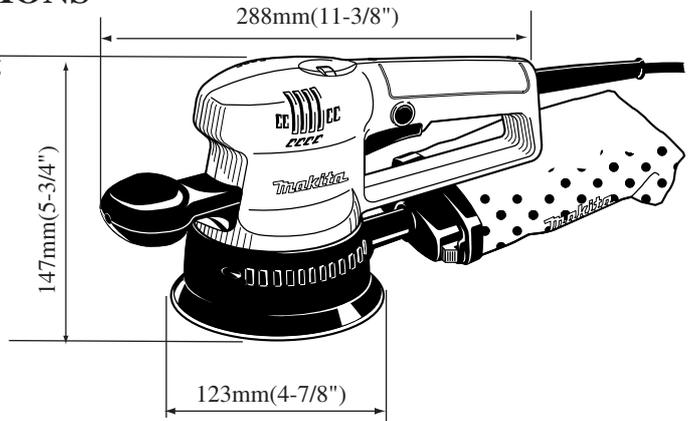
Description ▶ Random Orbit Sander

CONCEPTION AND MAIN APPLICATIONS

Model BO5020/BO5021 are sister versions of the existing Model BO5010.

Their brief benefits are;

- *Comfortable operation by holding both hands.
- *Variable speed feature gives wider applications as sanding and polishing (BO5021 only)



▶ Specifications

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output(W)
			Input	Output	
100	2.7	50/60	260	100	150
110	2.4	50/60	260	100	150
120	2.0	50/60	220	65	150
220	1.2	50/60	260	100	150
230	1.2	50/60	260	100	150
240	1.1	50/60	260	100	150

Orbits per minute	12,000 /min(BO5020) 4000-12,000 /min(BO5021)
Abrasive disc	Diameter: ϕ 125mm(5") Velcro type
Orbit diameter	2.8mm(1/8")
Other functions	Self-dust-collecting Soft Braking (Braking Pad)
Net weight	1.4Kg(3.1lbs)
Cord length	2.5m(8.2ft) for Europe / 2.0m(6.6ft) for others

▶ Standard equipment

Abrasive Disc 125-#120 (with holes for collecting dust) ——— 1 pc.

<Note> The standard equipment may differ from country to country

▶ Optional accessories

Abrasive Disc 125-#60, #80, #120, #180, #240 (with holes for collecting dust, 10pcs/set)

Wool Pad 140 Set, Sponge Pad 125 Set, Feld Pad 125 Set

▶ Features and benefits

1. Double insulated
2. See the sheets attached for more information.

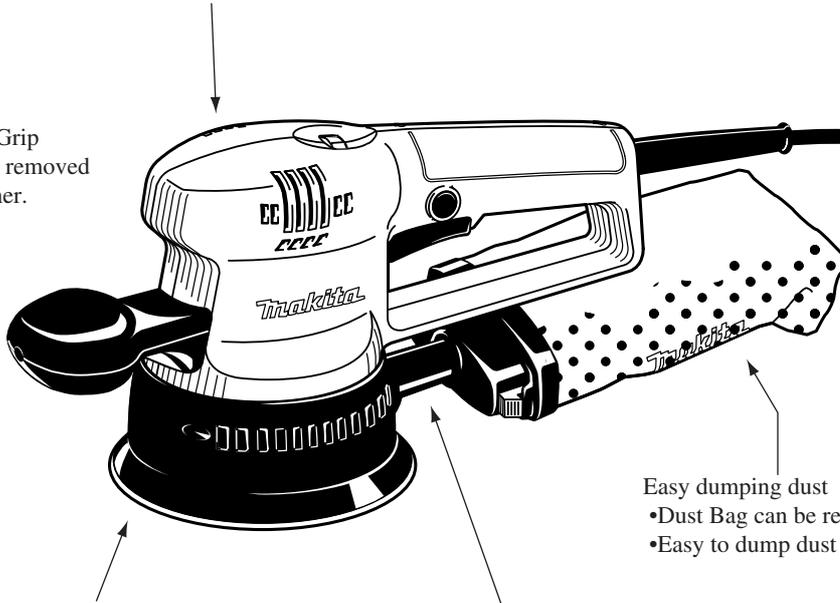
The standard equipment for the tools shown may differ from country to country.

Ball bearings with higher dust sealing.

Comfortable operation by holding with both hands
Comfortable and efficient operation can be performed.

Removable Front Grip
Front Grip may be removed when sanding corner.

Large trigger switch



Easy dumping dust
•Dust Bag can be removed easily.
•Easy to dump dust from large inlet

Soft braking (braking pad)
•Reduced rotations at on load prevent work from scratch at starting.
•Quick stop after switching off makes it possible to put the tool on the table without waiting.

Efficient
Dust collecting

Work area can be kept clean by function of self-dust-collecting.

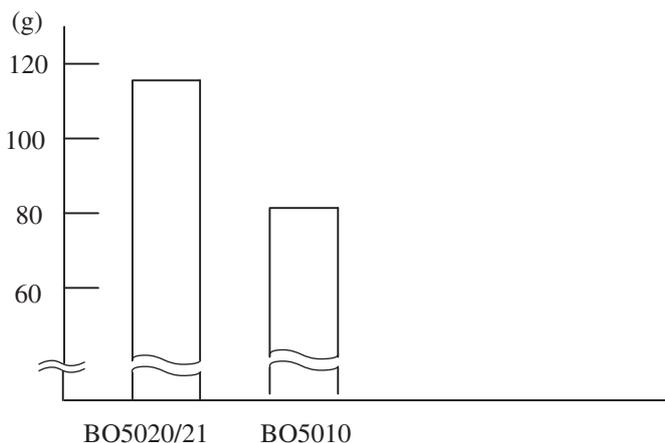
► Comparison

(1) Specifications

Model No.	Makita	
	BO5020/21	BO5010
Paper Size(mm)	125(5")	125(5")
Rated current (A) [120V]	2.0	2.0
Input(W)	North America	220
	Other countries	260
Orbits per minute(o/min)	12000	12000
	4000-12000	
Orbit diameter	2.8mm(1/8")	2.8mm(1/8")
No load noise (dB)	76	76
Braking pad	Yes	Yes
Self dust collecting	Yes	Yes
Tool height	147mm	145mm
	(5-3/4")	(5-3/4")
Net weight	1.4Kg(3.1lbs)	1.2Kg(2.6lbs)

(2) Efficiency of Sanding

Volume of sanding for 20 min, with abrasive disc #60 (work piece:spruce)

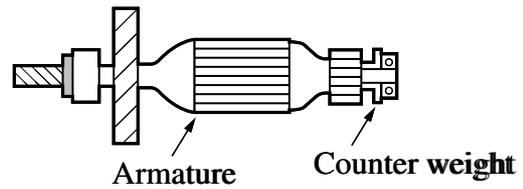


► Repair

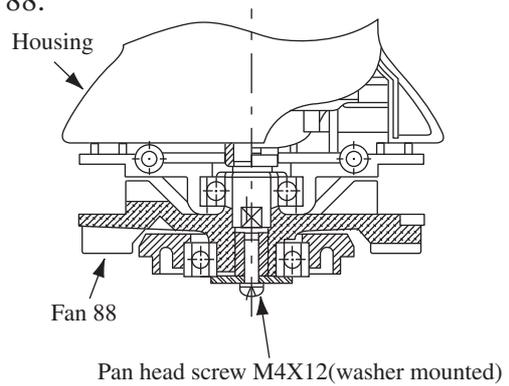
- 1) Replacing Carbon brush and Armature etc.
Disassemble in the sequence shown below.

Pad => Skirt => Fan => Housing

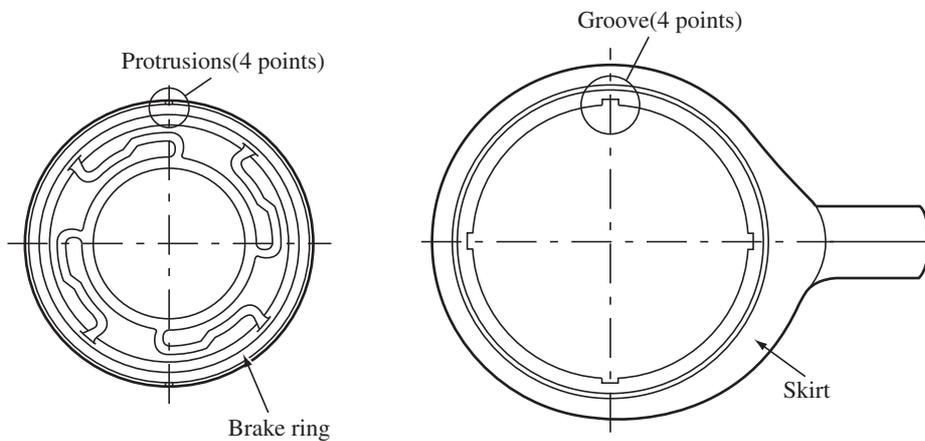
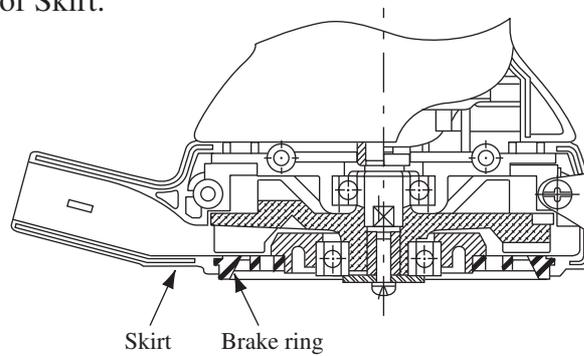
<Note> Do not remove Counter Weight from Armature, otherwise Armature becomes off balance.



- 2) Fastening of Pan head screw M4x12.
Fasten Pan head screw M4x12 while holding Fan 88.

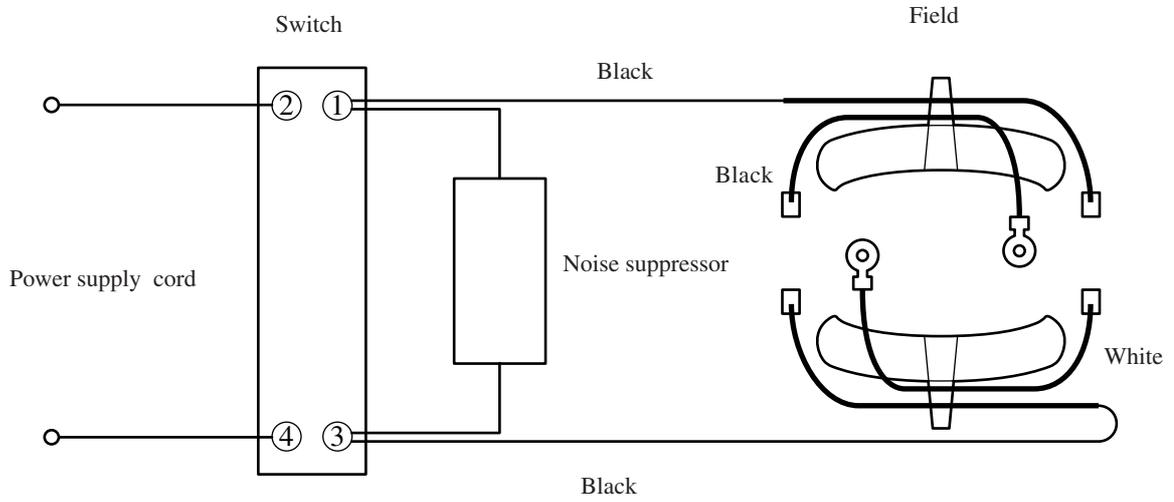


- 3) Assembling of Brake ring
Assemble the brake ring in a direction toward the skirt as shown on the figure matching the protrusions(4 points) and grooves of Skirt.



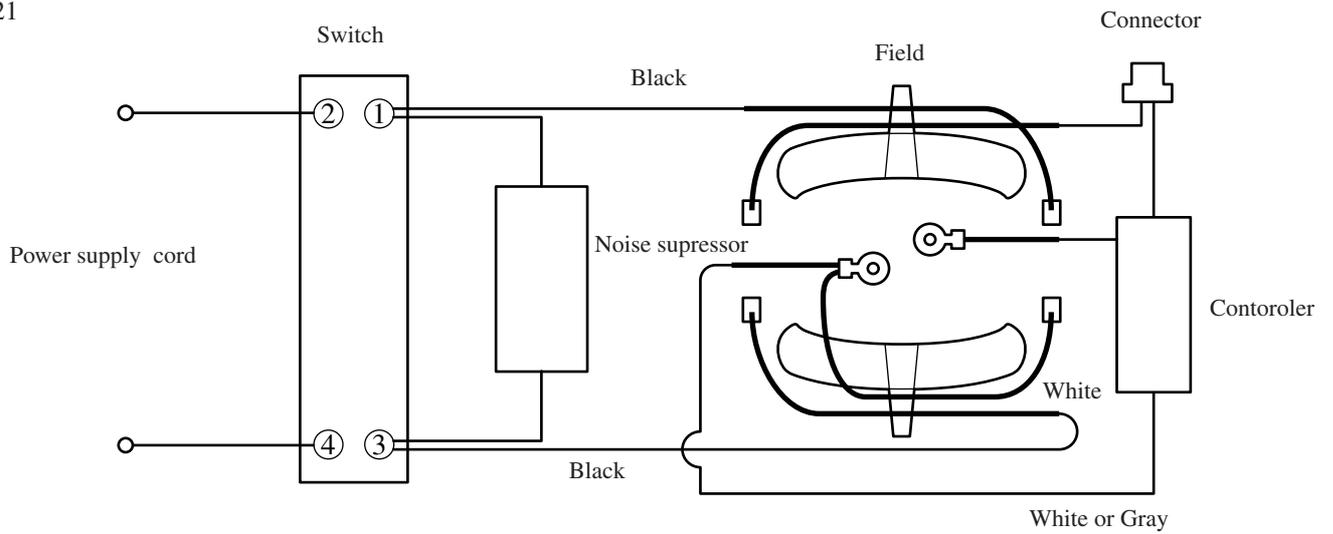
► Wiring digram

BO5020



<Note> Noise suppressor is used not for all countries.

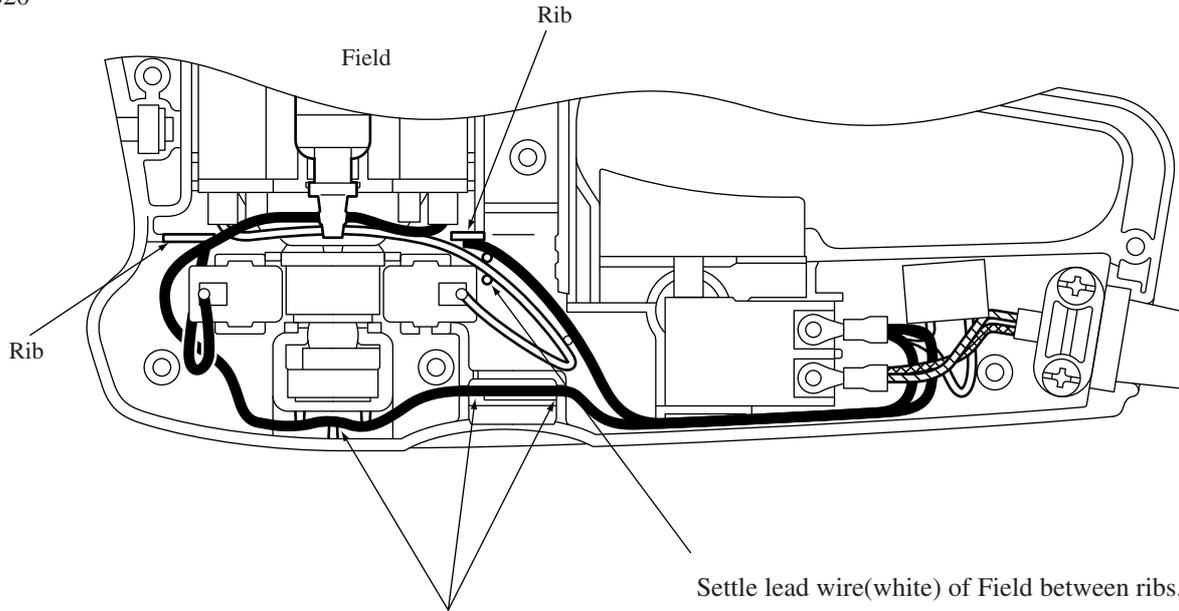
BO5021



<Note> Noise suppressor is used not for all countries.

Wiring Drawing

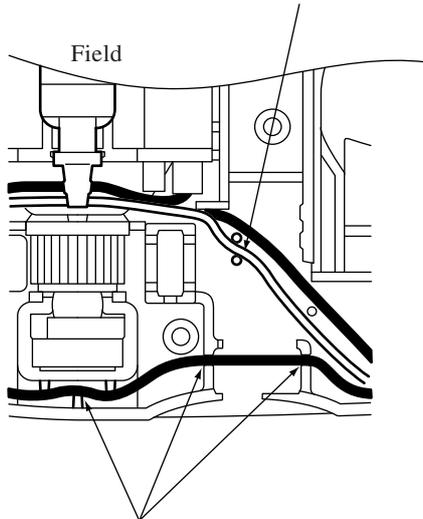
BO5020



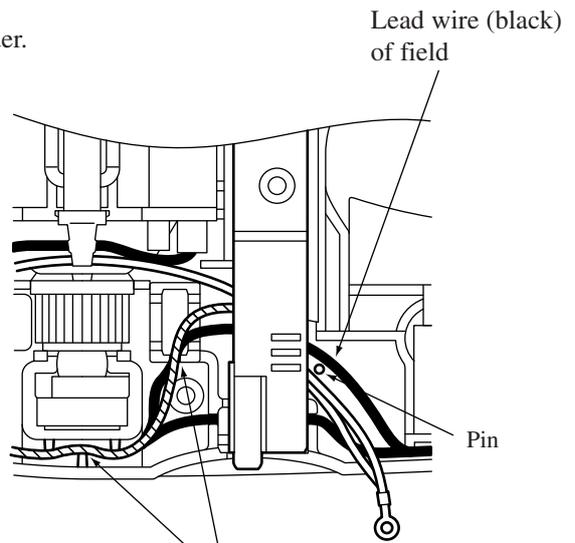
Push lead wire(black) between ribs.

BO5021

Keep lead wire(white) of Field into lead holder.

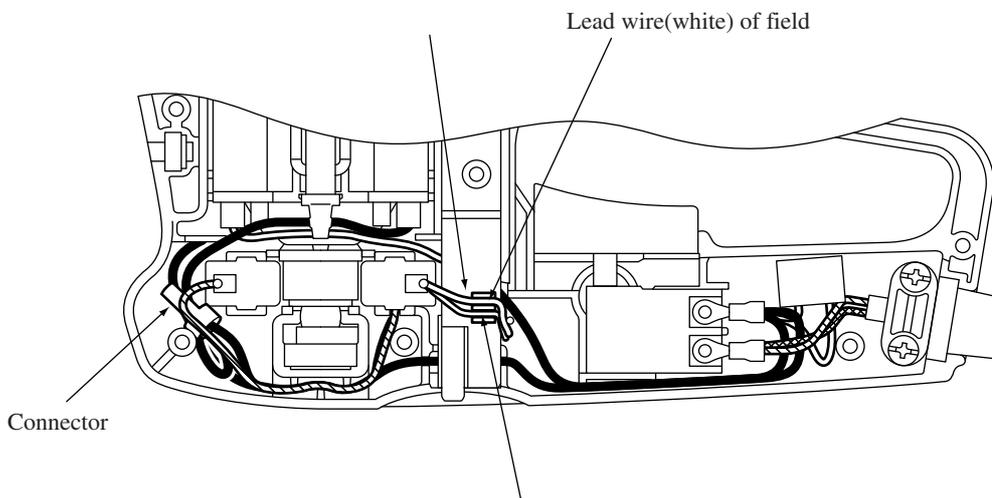


Push lead wire(black) of Field between ribs.



Push lead wires (black and orange) between ribs.

Lead wire (white) of field



Lead wire (white or gray) of Controller