

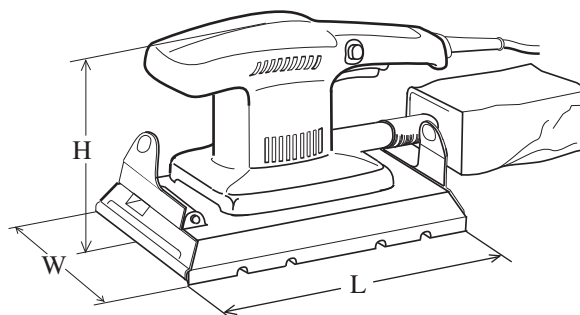
**Models No.** ▶ BO3700

**Description** ▶ Finishing sander

## CONCEPTION AND MAIN APPLICATIONS

BO3700 is Makita's new sander for light-duty finishing works. Features efficient "through-the-pad" dust extracting system for cleaner operation.

Also can be connected to Makita Dust Collector or Vacuum Cleaner by optional  $\varnothing 28\text{mm}$  (1-1/8") hose only (no need for any vacuum attachment).



Dimensions : mm ( " )	
Width ( W )	92 (3-5/8)
Height ( H )	158 (6-1/4)
Length ( L )	254 (10)

## ► Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output(W)
			Input	Output	
100	2.1	50 / 60	180	70	80
110	1.7	50 / 60	180	70	80
120	1.6	50 / 60	180	70	80
220	0.9	50 / 60	180	70	80
230	0.8	50 / 60	180	70	80
240	0.8	50 / 60	180	70	80

Pad size: mm (")	93 x 185 (3-5/8 x 7-1/4)
Paper size: mm (")	93 x 228 (3-5/8 x 9)
Orbit per min. (opm.)	10,000
Orbit diameter: mm (")	2.0 (1/16)
Net weight: Kg (lbs)	1.4 (3.1)

## ► Standard equipment

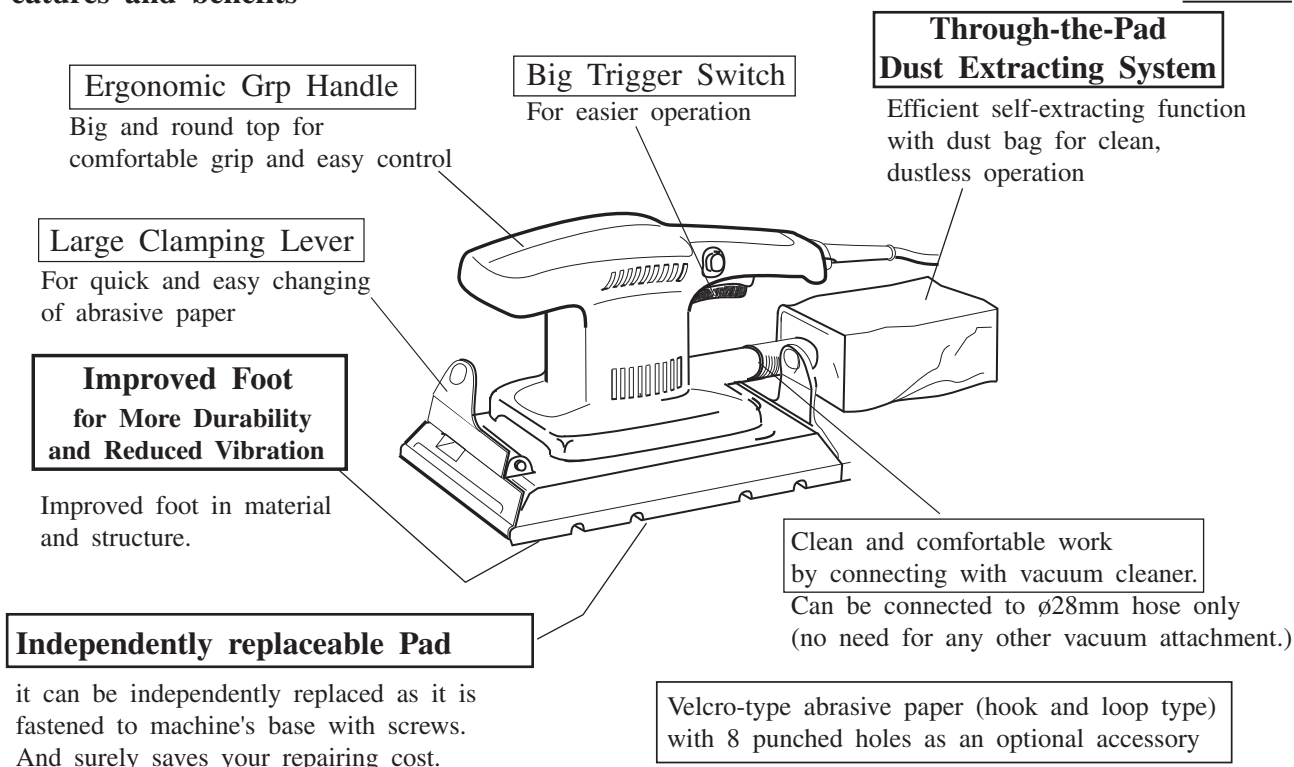
- \* Abrasive paper, grit 120 (pre-punched, paper clamp type) ..... 1 pc.
- \* Dust bag ..... 1 pc.

< Note > The standard equipment for the tool shown may be differ from country to country.

## ► Optional accessories

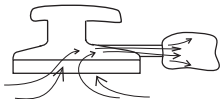
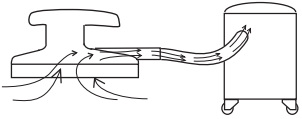

- Pad complete (paper clamp type)
- Velcro-type pad complete (hook and loop type)
- Punch plate
- Hose complete 28-1.5
- Pre-punched abrasive paper 93 x 228mm (paper clamp type)
  - Grit 60 ( 10 pcs. per pack)
  - Grit 80 ( 10 pcs. per pack)
  - Grit 120 ( 10 pcs. per pack)
  - Grit 180 ( 10 pcs. per pack)
  - Grit 240 ( 10 pcs. per pack)

- Pre-punched abrasive paper 93 x 185mm (hook and loop type)
  - Grit 60 ( 5 pcs. per pack)
  - Grit 80 ( 5 pcs. per pack)
  - Grit 120 ( 5 pcs. per pack)
  - Grit 180 ( 5 pcs. per pack)
  - Grit 240 ( 5 pcs. per pack)



► **Comparison of products**

Model No. Specifications		MAKITA			COMPETITOR
		BO3700	9036	9035	Model A
Pad size (mm / ")		93 x 185 (3-5/8" x 7-1/4")	93 x 185 (3-5/8" x 7-1/4")	93 x 185 (3-5/8" x 7-1/4")	92 x 182 (3-5/8" x 7-1/8")
Paper size (mm / ")		93 x 228 (3-5/8" x 9")	93 x 228 (3-5/8" x 9")	93 x 228 (3-5/8" x 9")	93 x 230 (3-5/8" x 9")
Continuous rating input (W)		180	180	160	150
Orbit per min.		10,000	12,000	10,000	10,000
Orbit diameter (mm / ")		2.0 (5/64")	2.3 (3/32")	1.7 (1/16")	2.0 (5/64")
*Dust extracting system	A Type	○			○
	B Type		○		
	C Type			○	
Paper installation	Paper clamp	Yes	Yes	Yes	Yes
	Velcro-type (Hook & Loop)	Yes (optional)			Yes (optional)
Overall height (mm)		158	150	142	166
Net weight (Kg / lbs)		1.4 (3.1 lbs)	1.4 (3.1 lbs)	1.35 (2.98 lbs)	1.7 (3.7 lbs)
Standard equipment		Abrasive paper Dust bag (cloth made)	Abrasive paper Punch plate	Abrasive paper	Abrasive paper Dust bag (paper made)

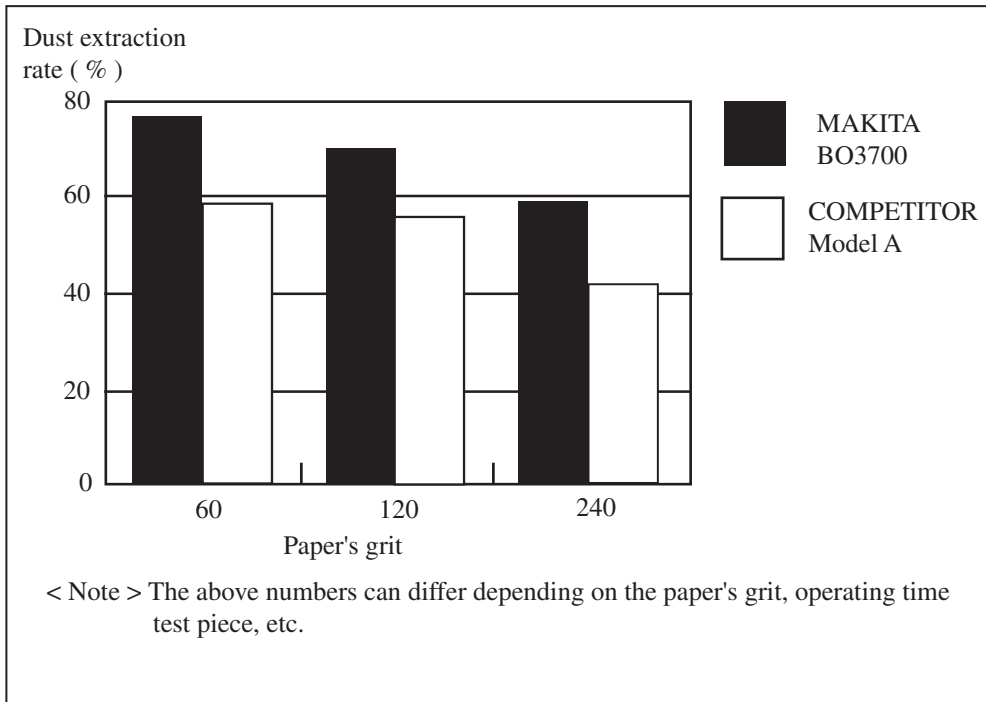
* Dust extracting system	
A Type 	No need to connect to vacuum cleaner. Because the machine itself has dust extracting fixture.
B Type 	Required to connect to vacuum cleaner. Because the machine itself does not have dust extracting fixture.
C Type 	Impossible to dust extracting. Because the machine has neither dust extracting fixture nor adaptor to connect to vacuum cleaner.

### 1 ) Dust extraction rate

Testing conditions

\* Material for test : Douglas pine ( produced in USA)

\* Operating time : 15 minutes

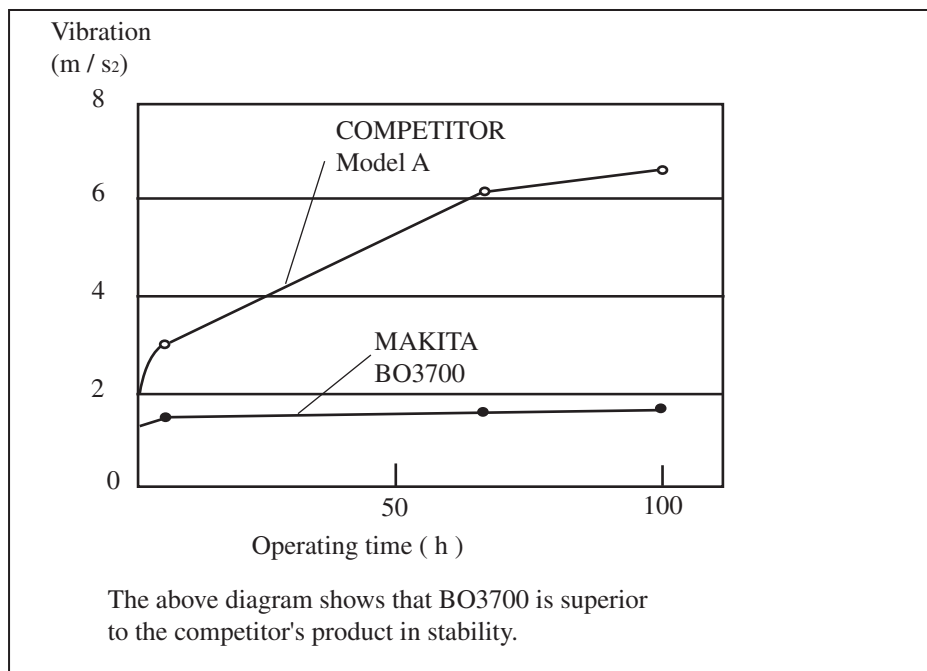


### 2 ) How long the machine can keep low vibration.

Testing conditions

\* Operation : No load operation

\* Setting place for the measuring instrument : Handle



## < 1 > Assembling and removing base section

- (1) Remove pad by taking off 4 screws as illustrated in Fig.1

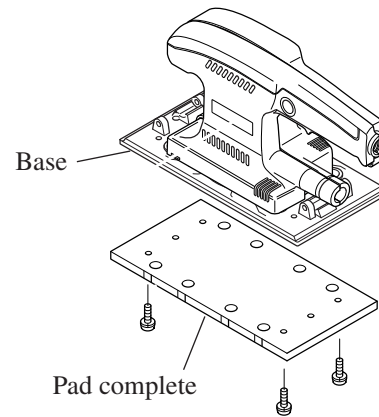
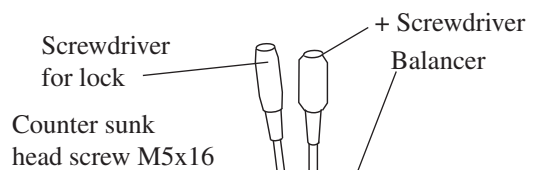


Fig.1.

- (2) Lock balancer with screwdriver.  
And loosen counter sunk head screw to the halves  
not to damage on the thread of the screw in the  
process (3) as illustrated in Fig.2.



- (3) Remove base complete by striking the head of  
counter sunk head screw with plastic hammer.

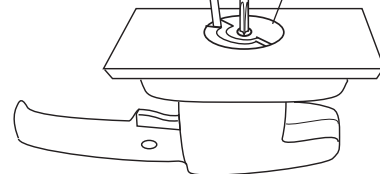


Fig.2.

- (4) Make sure, the 4 feet are assembled to the correct positions  
firmly. See Fig.3.  
And then, assemble base.

- (5) Lock balancer with screwdriver. Fasten the balancer with  
counter sunk head bolt M5x16 firmly as illustrated in Fig.2.

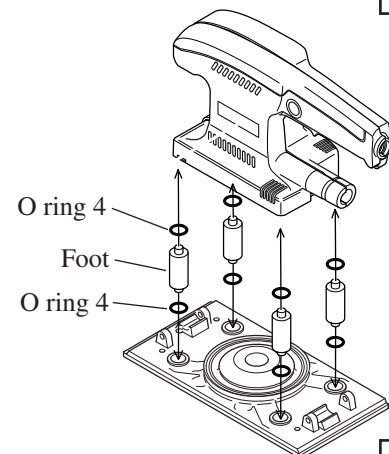


Fig.3

## < 2 > Removing ball bearing from balancer

Set balancer unit (with ball bearing) on the repairing jig  
No.1R258 V block as illustrated in Fig.4.

Press the shaft part of balancer with arbor press.

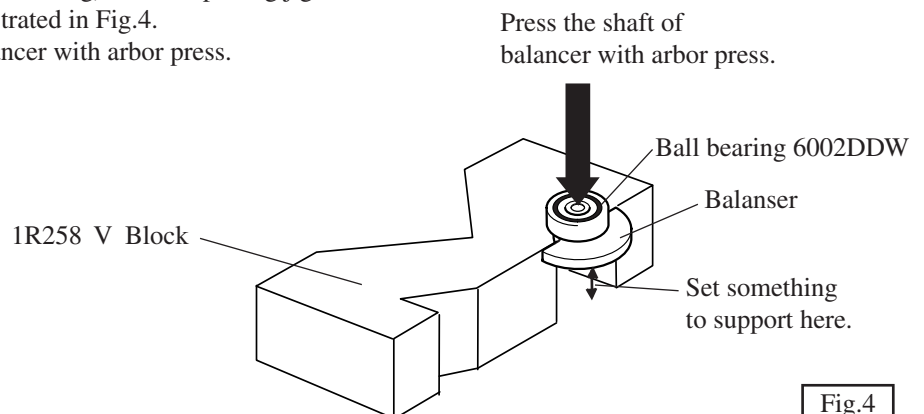
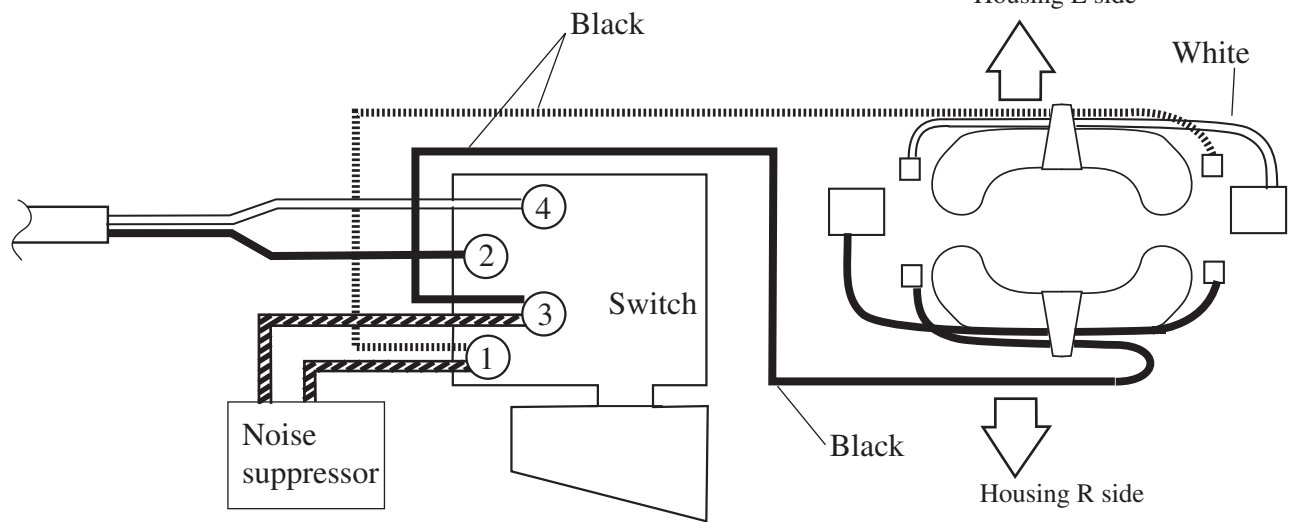


Fig.4

## ► Circuit diagram

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< Note > Noise suppressor is not used in some countries.

## ► Wiring diagram

The following illustration shows the lead wires and spare parts set in housing L.

