

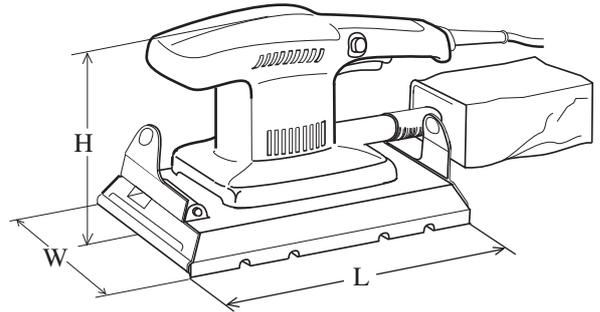
TECHNICAL INFORMATION

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) | Pre-punched abrasive paper 93 x 185mm (hook and loop type) |
| Velcro-type pad complete (hook and loop type) | Grit 60 (5 pcs. per pack) |
| Punch plate | Grit 80 (5 pcs. per pack) |
| Hose complete 28-1.5 | Grit 120 (5 pcs. per pack) |
| Pre-punched abrasive paper 93 x 228mm (paper clamp type) | Grit 180 (5 pcs. per pack) |
| Grit 60 (10 pcs. per pack) | Grit 240 (5 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) | |

► **Features and benefits**

Ergonomic Grp Handle
Big and round top for comfortable grip and easy control

Big Trigger Switch
For easier operation

Through-the-Pad Dust Extracting System
Efficient self-extracting function with dust bag for clean, dustless operation

Large Clamping Lever
For quick and easy changing of abrasive paper

Improved Foot for More Durability and Reduced Vibration
Improved foot in material and structure.

Independently replaceable Pad
it can be independently replaced as it is fastened to machine's base with screws. And surely saves your repairing cost.

Clean and comfortable work by connecting with vacuum cleaner. Can be connected to ø28mm hose only (no need for any other vacuum attachment.)

Velcro-type abrasive paper (hook and loop type) with 8 punched holes as an optional accessory

► **Comparison of products**

| Specifications | Model No. | 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. |

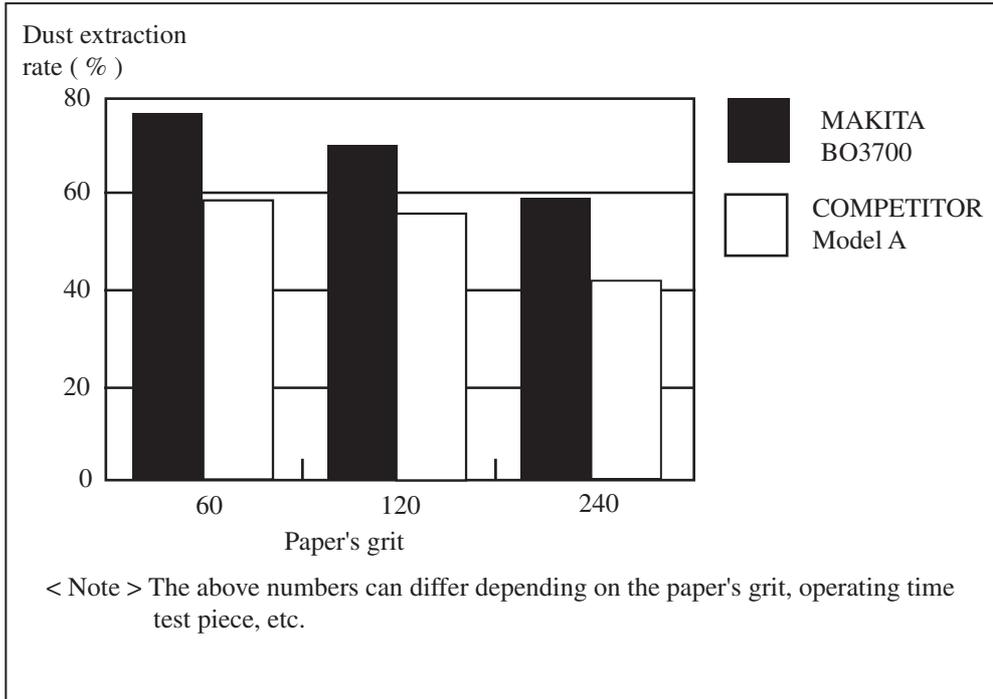
► Comparison of products

1) Dust extraction rate

Testing conditions

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

* Operating time : 15 minutes

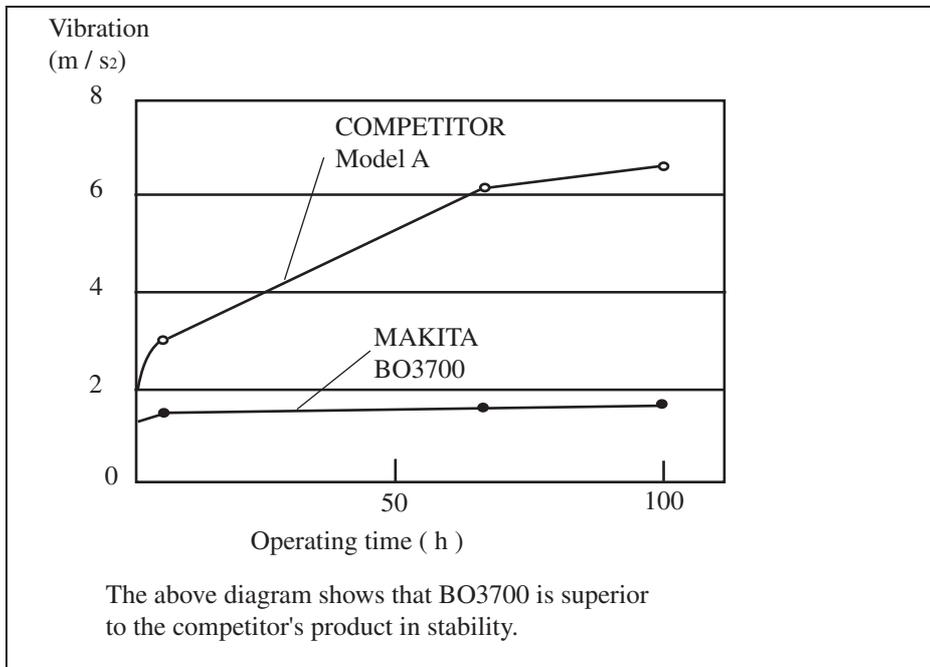


2) How long the machine can keep low vibration.

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

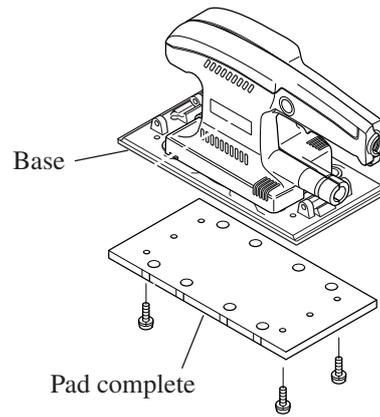


Fig.1.

(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.

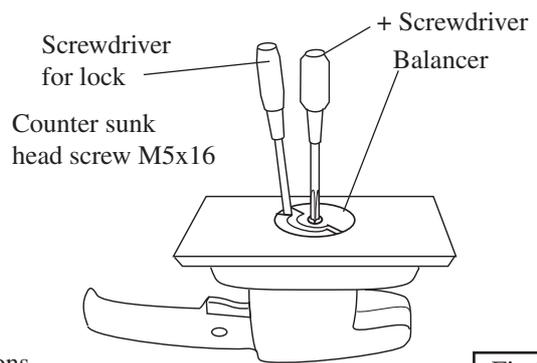


Fig.2.

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

(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.

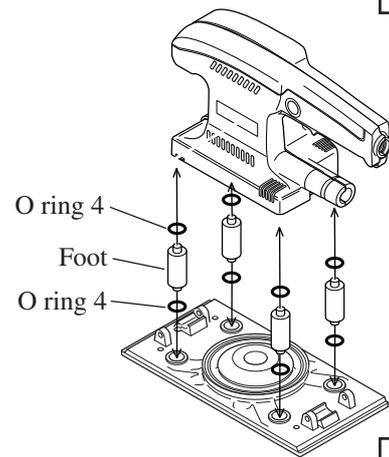


Fig.3

< 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.

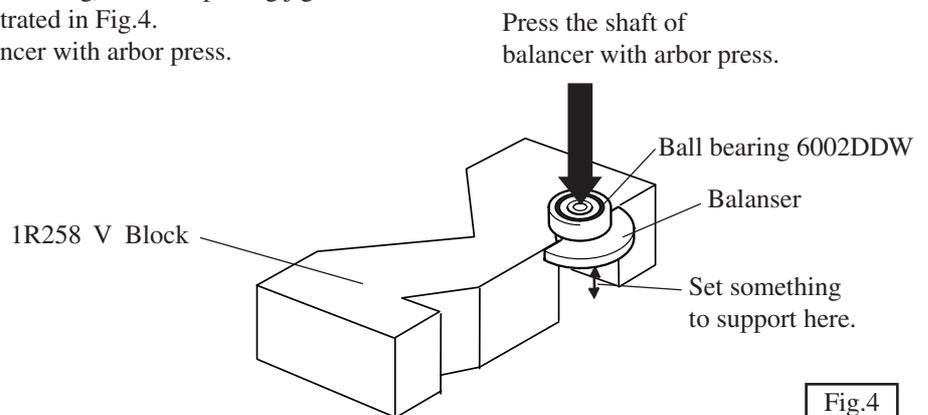
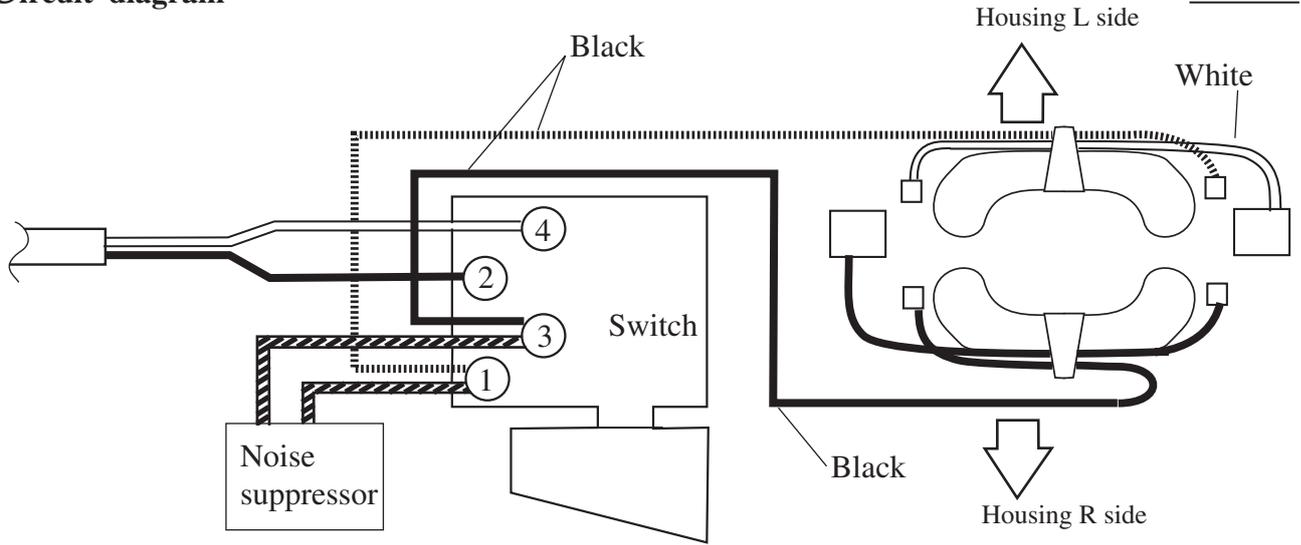


Fig.4

► **Circuit diagram**



< 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.

