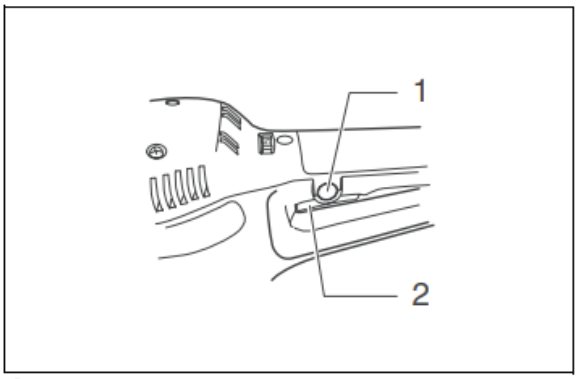
Makita Random Orbital Sander BO6030

Suitable for fine finishing of all types of wood. Featuring an ergonomic design for controlled operation and optimum speed selection for a wide range of sanding jobs.

User Benefits

- Variable speed control
- Complete with dust bag & dust collection system
- Ergonomic rubberized rear handle for vibration reduction
- Detachable front handle allows for sanding in corners & confined areas

Machine Specifications	
Pad Diameter	150 mm
Abrasive Disc Diameter	150 mm
Orbits per minute (min-1)	4000 – 10,000
Sanding stroke rate (min-1)	8000 – 20,000
Overall length	309 mm
Sound Pressure Level	77 dB(A)
Vibration Emission	4.0 m/s²
Net Weight	2.4 kg



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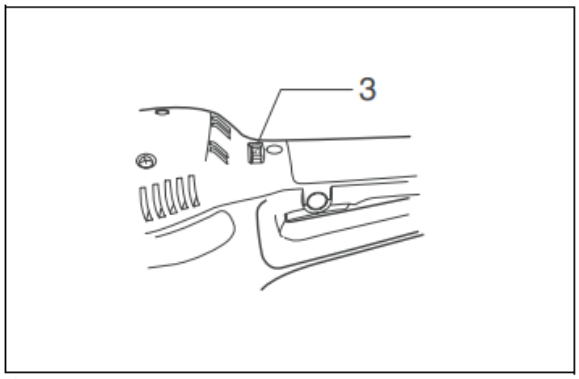

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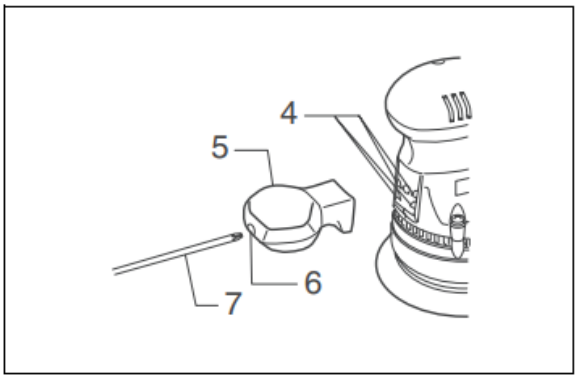

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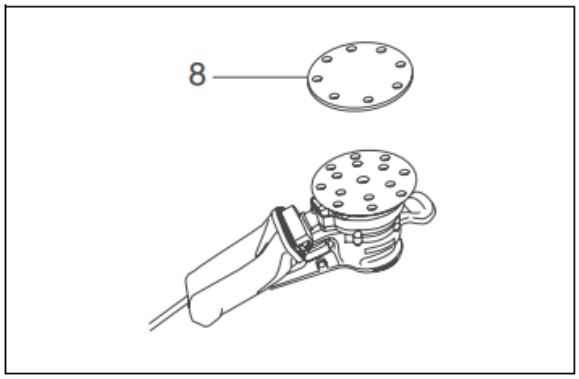

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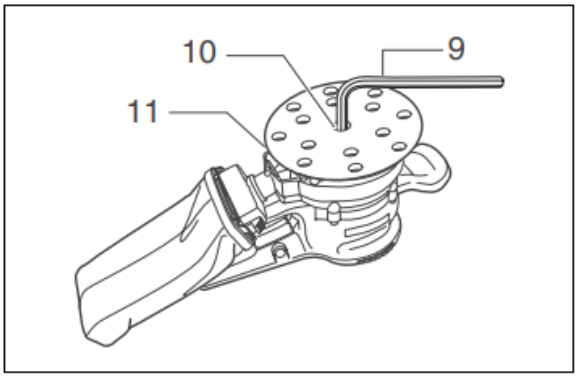

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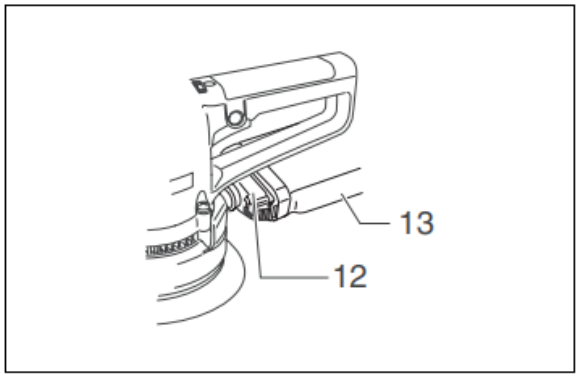

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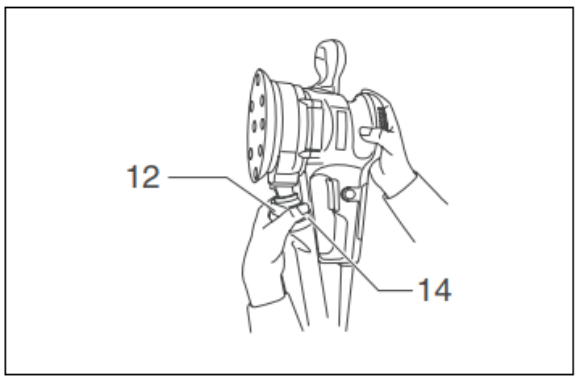

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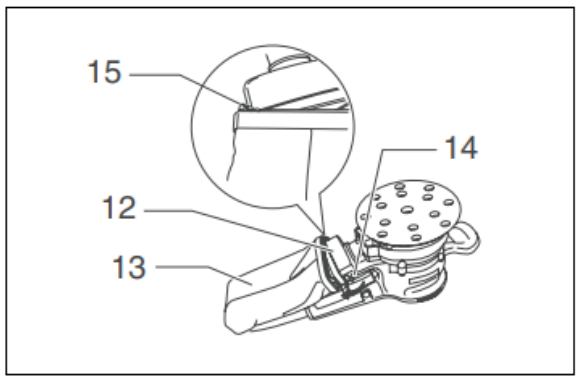

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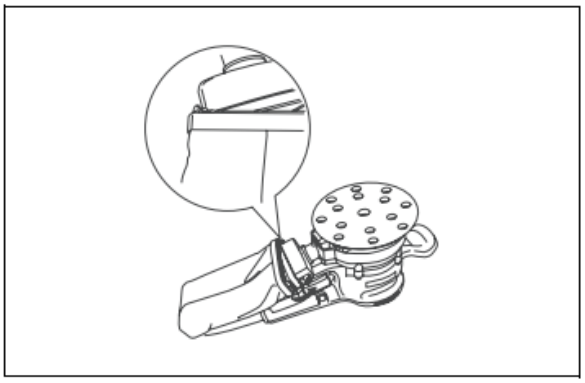

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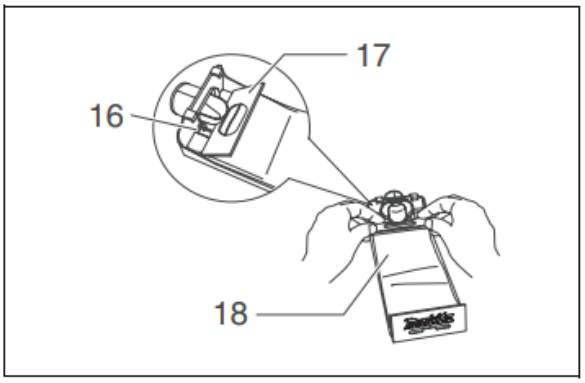

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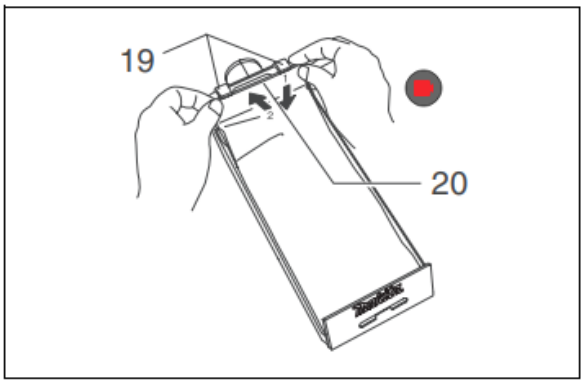

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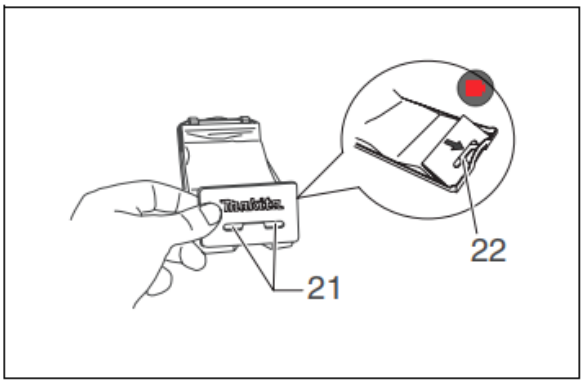

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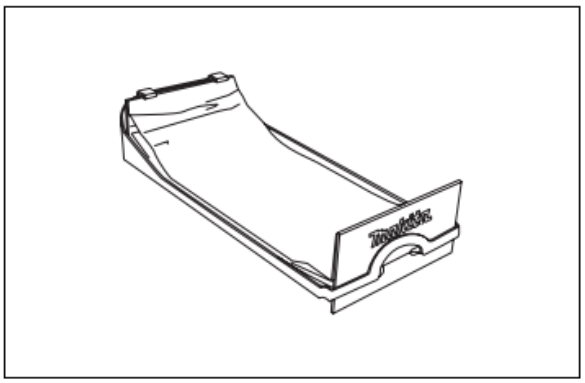

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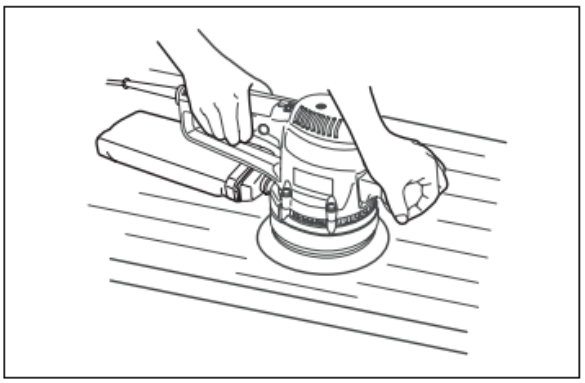

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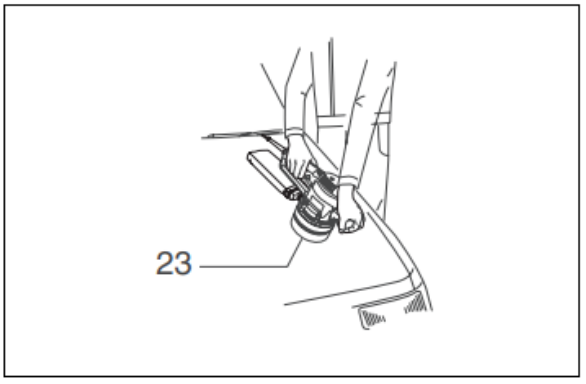

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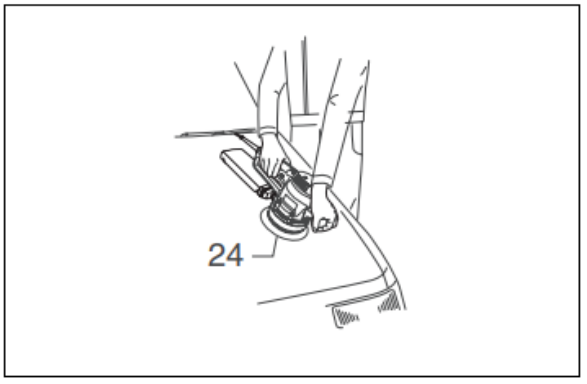

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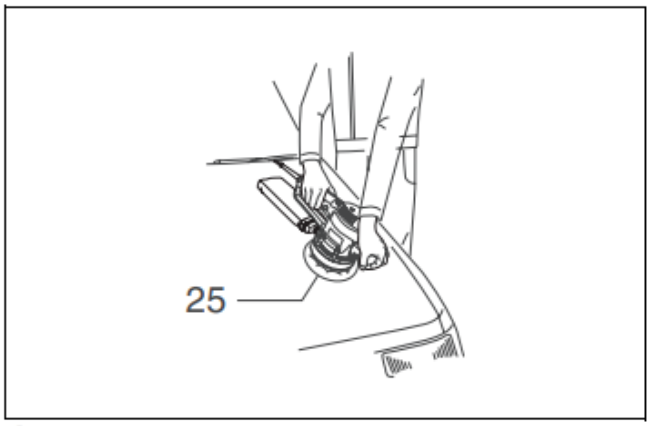

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ENGLISH (Original instructions)

Explanation of general view

1 A typical illustration of proper hand support, workpiece support, and supply cord routing (if applicable).
2 To avoid kickback, do support board or panel near the cut.
3 Do not support board or panel away from the cut.
4 Lever
5 Clamping screw
6 Base plate
7 Top guide
8 Base
9 60° angle cuts
10 45° angle cuts
11 30° angle cuts
12 Straight cuts
13 Blade
14 Setting protuberances
15 Hex socket head bolt (For adjusting riving knife)
16 Cutting depth
17 Lock-off button
18 Switch trigger
19 Hex wrench
20 Shaft lock
21 Hex socket head bolt
22 Outer flange
23 Saw blade
24 Inner flange
25 Vacuum cleaner
26 Limit mark
27 Screwdriver
28 Brush holder cap

- Due to our continuing program 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 01/2014

ENE052-1

Intended use

The tool is intended for the sanding of large surface of wood, plastics and metal materials as well as painted surfaces.

ENF002-2

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 and can, therefore, also be used from sockets without earth wire.

GEA010-2

General power tool safety warnings

⚠ **WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** Failure to follow all instructions listed below 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.

GEB021-4

SANDER SAFETY WARNINGS

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:

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. 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.

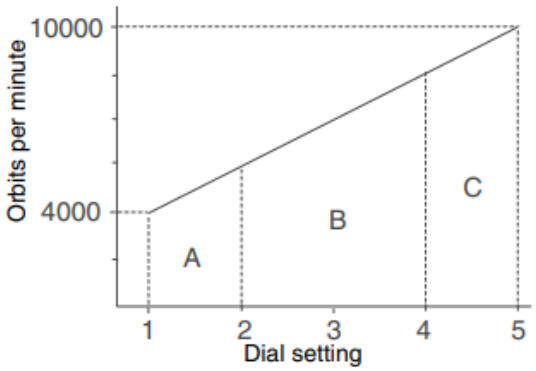
Switch action (Fig. 1)

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 (Fig. 2)
The rotating speed can be changed by turning the speed adjusting dial to a given number setting from 1 to 5.
Higher speed is obtained when the dial is turned in the direction of number 5. And lower speed is obtained when it is turned in the direction of number 1.
Refer to the table for the relationship between the number settings on the dial and the approximate rotating speed.



003734
A range: For polishing
B range: For finish sanding
C range: For regular sanding

NOTE:
- The above figure shows standard applications. They may differ under certain conditions.

ASSEMBLY

CAUTION:
- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Front grip (Fig. 3)
Install the front grip on the tool so that its protrusions fit into the matching notches in the front of the tool. Secure the front grip using a screwdriver to tighten the screw through the hole in the front grip.

Installing or removing abrasive disc (Fig. 4)
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.
To remove the disc from the pad, just pull up from its edge.

Changing pad (Fig. 5)
Makita offers an extensive range of optional pads. Remove the screw counterclockwise from the center of the base with a hex wrench. After changing the pad, tighten the screw clockwise securely.

Installing dust bag (Fig. 6)
Install the dust bag on the tool so that the arrow with "UP" indicated on the dust nozzle points upward.

Emptying dust bag (Fig. 7 & 8)
When the dust bag is about half full, switch off and unplug the tool. Hold the tool and remove the dust bag from the dust nozzle while pressing the push button.
After emptying the dust bag, insert the hook on the dust nozzle into the rectangular hole on one side of the dust bag frame and push up the dust bag frame until it clicks into place on the push button. **(Fig. 9)**

Installing paper dust bag (optional accessory)
Place the paper dust bag on the paper dust bag holder with its front side upward. Insert the front fixing cardboard of the paper dust bag into the groove of the paper dust bag holder. **(Fig. 10)**
Then press the upper part of the front fixing cardboard in arrow direction to hook it onto the claws. **(Fig. 11)**
Insert the notch of the paper dust bag into the guide of the paper dust bag holder. Then install the paper dust bag holder set on the tool. **(Fig. 12 & 13)**

OPERATION

Sanding operation (Fig. 14)
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.

Polishing operation
CAUTION:
- Use only a Makita genuine sponge pad, felt pad or wool pad (optional accessories).
- Always operate the tool at low speed to prevent work surfaces from damage/burning.
- Never force the tool. Excessive pressure may decrease the polishing efficiency and cause motor overload, resulting in tool malfunction.

1. **Applying wax (Fig. 15)**
   Use an optional sponge pad. Apply wax to the sponge pad or work surface. Run the tool at low speed to smooth out wax.

   NOTE:
   First, wax a non critical portion of the work surface to make sure that the tool will not scratch the surface or result in uneven waxing.
2. **Removing wax (Fig. 16)**
   Use an optional felt pad. Run the tool at low speed to remove wax.
3. **Polishing (Fig. 17)**
   Use an optional wool pad. Run the tool at low speed and apply the wool pad gently to the work surface.

MAINTENANCE

CAUTION:

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

OPTIONAL 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.

- Hook-and-loop type abrasive disc (with pre-punched holes)
- Hook-and-loop type sponge pad
- Hook-and-loop type felt pad
- Hook-and-loop type wool pad
- Sanding cloth
- Paper dust bag
- Paper dust bag holder
- Pad 150

NOTE:

- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

ENG905-1

Noise

The typical A-weighted noise level determined according to EN62841:

Sound pressure level (L_{pA}): 77 dB (A)
Uncertainty (K): 3 dB (A)

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

Wear ear protection

ENG900-1

Vibration

The vibration total value (tri-axial vector sum) determined according to EN62841:

Work mode: sanding metal plate
Vibration emission (a_h): 4.0 m/s^2
Uncertainty (K): 1.5 m/s^2

ENG901-1

- The declared vibration emission value has been measured in accordance with the standard test method and may be used for comparing one tool with another.
- The declared vibration emission value may also be used in a preliminary assessment of exposure.

WARNING:

- The vibration emission during actual use of the power tool can differ from the declared emission value depending on the ways in which the tool is used.
- Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

EC DECLARATION OF CONFORMITY

For European countries only

The EC declaration of conformity is included as Annex A to this instruction manual.