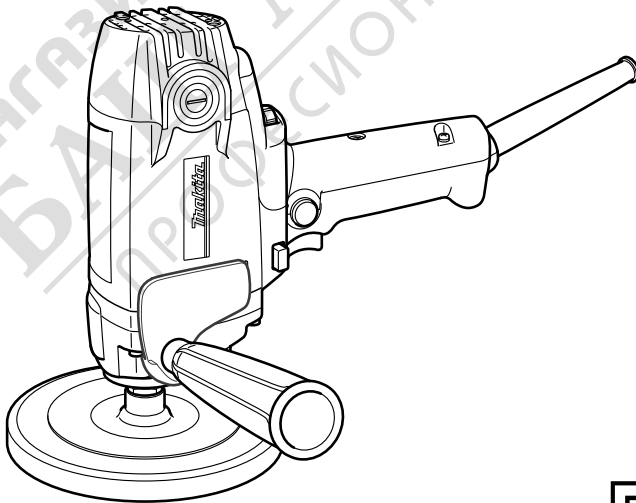
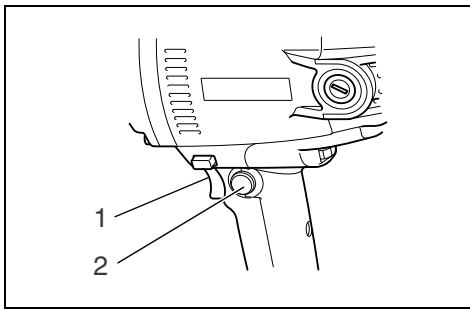




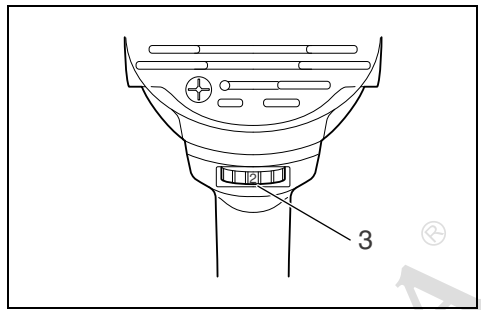
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F	Polisseuse électronique	Manuel d'instructions
D	Elektronik-polierer	Betriebsanleitung
I	Lucidatrice elettronica	Istruzioni per l'uso
NL	Elektronische polijstmachine	Gebruiksaanwijzing
E	Pulidora	Manual de instrucciones
P	Polidora electrónica	Manual de instruções
DK	Elektronisk poleremaskine	Brugsanvisning
GR	Ηλεκτρονικός στιλβωτής	Οδηγίες χρήσεως

PV7000C

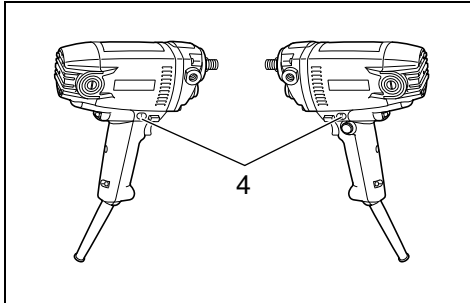




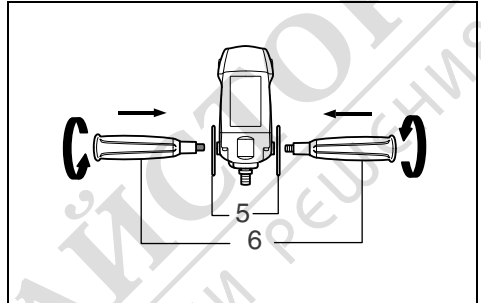
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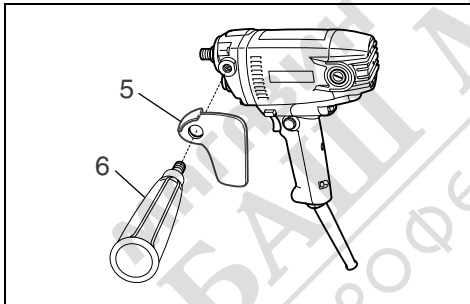
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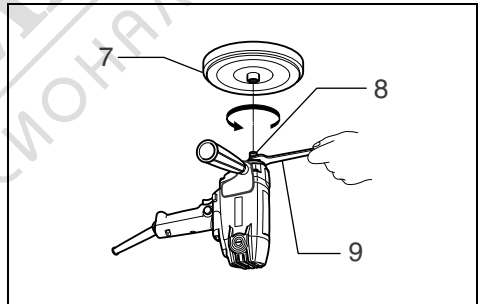
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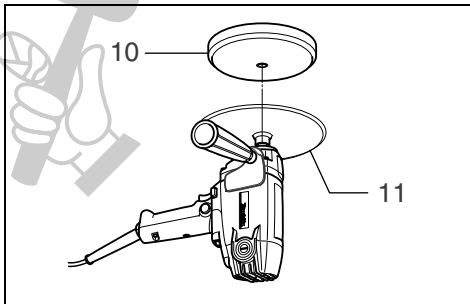
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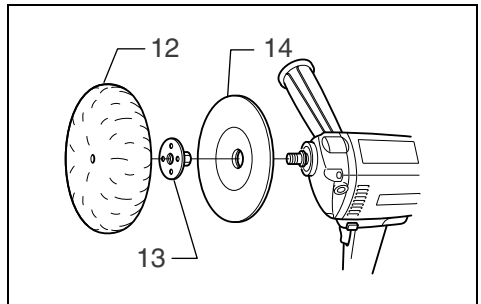
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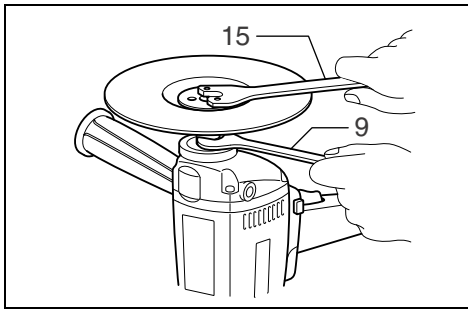
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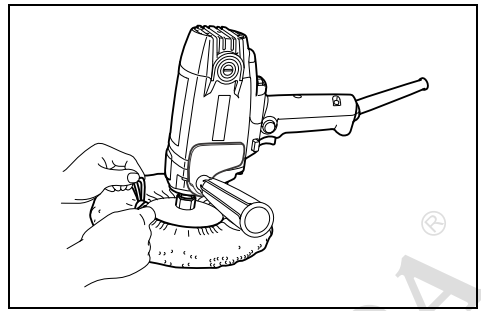


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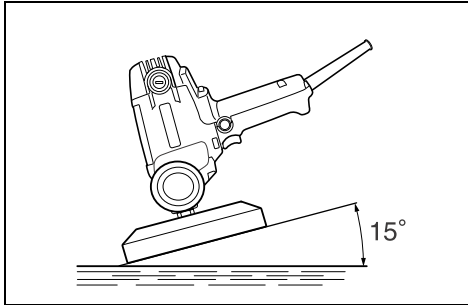
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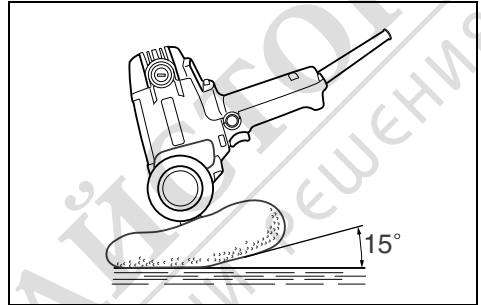
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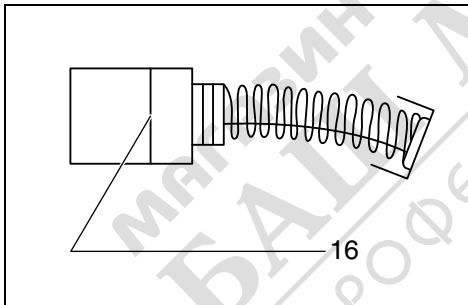
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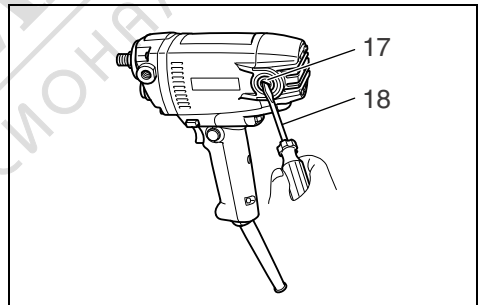
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Explanation of general view

1 Switch trigger	7 Backing pad	13 Lock nut
2 Lock button	8 Spindle	14 Rubber pad
3 Speed adjusting dial	9 Wrench	15 Lock nut wrench
4 High-low speed setting button	10 Sponge pad	16 Limit mark
5 Cover	11 Pad	17 Brush holder cap
6 Side grip	12 Wool bonnet	18 Screwdriver

SPECIFICATIONS

Model	PV7000C
Max. capacities	
Sponge pad / Wool bonnet	180 mm
Spindle thread	M14
Rated speed (n) /	
No load speed (n ₀)	2,100 min ⁻¹
Overall length	210 mm
Net weight	2.1 kg
Safety class	II/III

- 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 01/2003

ENE051-1

Intended use

The tool is intended for polishing, smoothing before painting, finishing surfaces, and removing rust and paint.

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.

GEA010-1

General Power Tool Safety Warnings

⚠ WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

GEB038-3

POLISHER SAFETY WARNINGS

Safety Warnings Common for Polishing Operation:

- 1. This power tool is intended to function as a polisher. 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.
- 2. Operations such as grinding, sanding, wire brushing or cutting-off are not recommended to be performed with this power tool.** Operations for which the power tool was not designed may create a hazard and cause personal injury.

- 3. Do not use accessories which are not specifically designed and recommended by the tool manufacturer.** Just because the accessory can be attached to your power tool, it does not assure safe operation.
- 4. The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.** Accessories running faster than their rated speed can break and fly apart.
- 5. The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool.** Incorrectly sized accessories cannot be adequately guarded or controlled.
- 6. Threaded mounting of accessories must match the tool spindle thread.** For accessories mounted by flanges, the arbour hole of the accessory must fit the locating diameter of the flange. Accessories that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
- 7. Do not use a damaged accessory. Before each use inspect the accessory such as backing pad for cracks, tear or excess wear. If power tool or accessory is dropped, inspect for damage or install an undamaged accessory. After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no-load speed for one minute.** Damaged accessories will normally break apart during this test time.
- 8. Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and workshop apron capable of stopping small abrasive or workpiece fragments.** The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.
- 9. Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment.** Fragments of workpiece or of a broken accessory may fly away and cause injury beyond immediate area of operation.
- 10. Position the cord clear of the spinning accessory.** If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.
- 11. Never lay the power tool down until the accessory has come to a complete stop.** The spinning accessory may grab the surface and pull the power tool out of your control.

12. **Do not run the power tool while carrying it at your side.** Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.
13. **Regularly clean the power tool's air vents.** The motor's fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.
14. **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
15. **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

Kickback and Related Warnings

Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory's rotation at the point of the binding. Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

- a) **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** The operator can control torque reactions or kickback forces, if proper precautions are taken.
- b) **Never place your hand near the rotating accessory.** Accessory may kickback over your hand.
- c) **Do not position your body in the area where power tool will move if kickback occurs.** Kickback will propel the tool in direction opposite to the wheel's movement at the point of snagging.
- d) **Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory.** Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.
- e) **Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control.

Safety Warnings Specific for Polishing Operations:

- a) **Do not allow any loose portion of the polishing bonnet or its attachment strings to spin freely. Tuck away or trim any loose attachment strings.** Loose and spinning attachment strings can entangle your fingers or snag on the workpiece.

Additional Safety Warnings:

16. **Do not leave the tool running. Operate the tool only when hand-held.**
17. **Check that the workpiece is properly supported.**
18. **If working place is extremely hot and humid, or badly polluted by conductive dust, use a short-circuit breaker (30 mA) to assure operator safety.**
19. **Do not use the tool on any materials containing asbestos.**

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 tool 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 below for the relationship between the number settings on the dial and the approximate tool speed.

Number	min ⁻¹ (RPM)
1 – 2	600 – 800
2 – 3	800 – 1,300
3 – 4	1,300 – 1,800
4 – 5	1,800 – 2,100

013753

CAUTION:

- If the tool is operated continuously at low speeds the motor will get overloaded, resulting in tool malfunction.
- The speed adjusting dial can be turned only as far as 5 and back to 1. Do not force it past 5 or 1, or the speed adjusting function may no longer work.

The tools equipped with electronic function are easy to operate because of the following features.

- **Electronic constant speed control**
Possible to get fine finish, because the rotating speed is kept constant even under the loaded condition.
- **Soft start feature**
Soft start because of suppressed starting shock.

High-Low speed setting button (Fig. 3)

The tool speed can be changed instantly while the tool is running. Depress the "I" position for lowest speed and depress "II" position for a given number setting.

The tool speed cannot be changed when the button is in "I" position, even if you turn the speed adjusting dial. When you turn the speed adjusting dial, always be sure that the button is depressed in "II" position.

ASSEMBLY

CAUTION:

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

Installing side grip (auxiliary handle) & cover (Fig. 4 & 5)

CAUTION:

- Always be sure that the side grip is installed securely before operation.

Install the cover, then screw the side grip on the tool securely. The side grip and the cover can be installed on either side of the tool.

Installing or removing backing pad (Fig. 6)

Hold the spindle with the wrench so that it cannot revolve. Then screw the pad onto the spindle all the way. (The pad can be used to install the optional sponge pad.) To remove the pad, follow the installation procedure in reverse.

Installing or removing sponge pad (Fig. 7)

To install the sponge pad, first remove all dirt or foreign matter from the pad. Install the sponge pad to the pad. To remove the pad, pull it off from the pad slowly.

Installing or removing the wool bonnet (Fig. 8, 9 & 10)

Mount the rubber pad onto the spindle. Screw the lock nut onto the spindle.

To tighten the lock nut, hold the spindle with the wrench so that it cannot revolve, then use the lock nut wrench and securely tighten clockwise.

Fit the wool bonnet completely over the rubber pad and pull the string tight. Tie a bow knot and tuck the knot and any loose strings between the wool bonnet and the rubber pad.

To remove the wool bonnet, follow the installation procedure in reverse.

OPERATION

Polishing operation by sponge pad (Fig. 11)

CAUTION:

- Always wear safety glasses or a face shield during operation.

In general, keep the sponge pad at an angle of about 15 degrees to the workpiece surface.

Polishing operation by wool bonnet (Fig. 12)

CAUTION:

- Always wear safety glasses or a face shield during operation.

Hold the tool firmly. Turn the tool on and then apply the wool bonnet to the workpiece.

In general, keep the wool bonnet at an angle of about 15 degrees to the workpiece surface.

Apply slight pressure only. Excessive pressure will result in poor performance and premature wear to wool bonnet.

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.

Replacement of carbon brushes (Fig. 13 & 14)

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

To maintain product SAFETY and RELIABILITY, repairs, 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.

- Sponge pad (Hook & loop)
- Backing pad 165 (Hook & loop)
- Wool bonnet 180
- Wrench 17
- Side grip (auxiliary handle)

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 EN60745:

Sound pressure level (L_{pA}): 81 dB (A)

Sound power level (L_{WA}): 92 dB (A)

Uncertainty (K): 3 dB (A)

Wear ear protection

ENG900-1

Vibration

The vibration total value (tri-axial vector sum) determined according to EN60745:

Work mode: polishing

Vibration emission ($a_{h,p}$): 2.5 m/s² or less

Uncertainty (K): 1.5 m/s²

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).

ENH101-18

For European countries only

EC Declaration of Conformity

Makita declares that the following Machine(s):

Designation of Machine:

Electronic Polisher

Model No./ Type: PV7000C

Conforms to the following European Directives:

2006/42/EC

They are manufactured in accordance with the following standard or standardized documents:

EN60745

The technical file in accordance with 2006/42/EC is available from:

Makita, Jan-Baptist Vinkstraat 2, 3070, Belgium

1.2.2016



Yasushi Fukaya
Director

Makita, Jan-Baptist Vinkstraat 2, 3070, Belgium

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