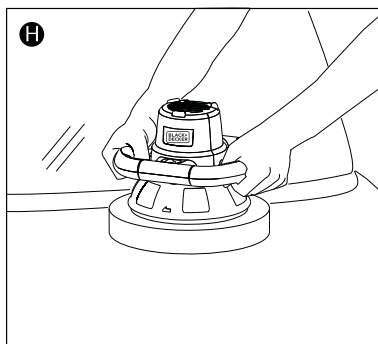
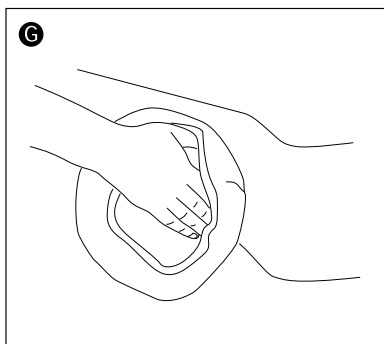
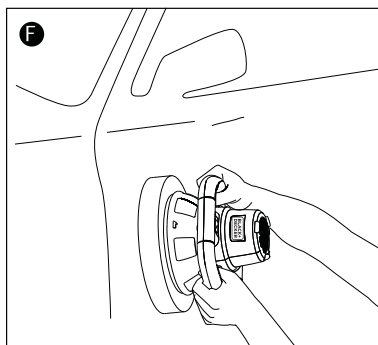
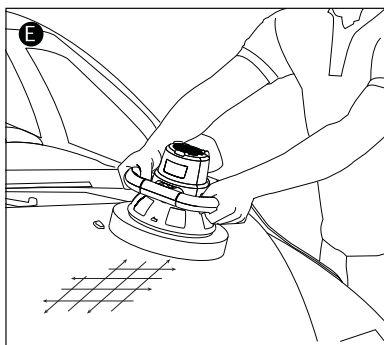
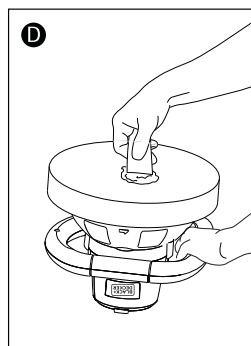
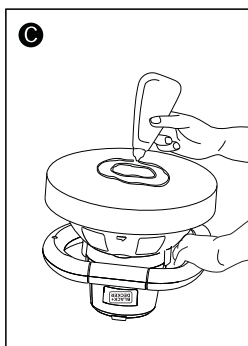
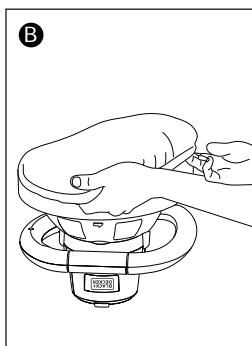
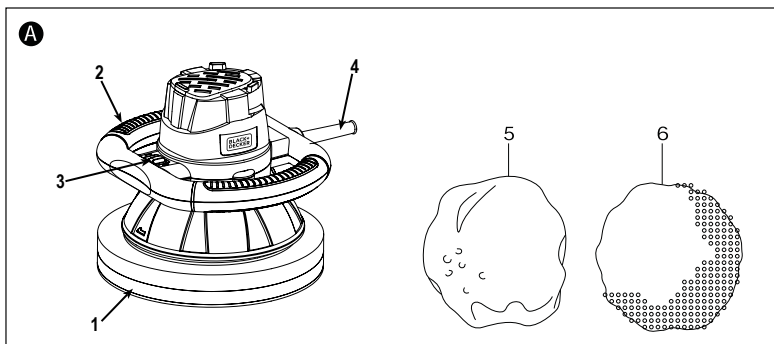


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**KP12K**



# WAXER/POLISHER KP12K

## TECHNICAL DATA

Waxer/Polisher		
Power Voltage	V	240
Power input	W	120
Frequency	Hz	50
No load speed	RPM	3200
Sanding Plate Diameter	mm	Ø240
Weight	Kg	2.8
Cable Length	M	2

## Intended use

Your Black & Decker sander has been designed for sanding and polishing wood, metal, plastics and painted surfaces. This tool is intended for consumer use only.

## Safety instructions

### General power tool safety warnings



**Warning! Read all safety warnings and all instructions.** Failure to follow the warnings and 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 all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

#### 1. Work area safety

- Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

#### 2. Electrical safety

- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and**

**refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

- Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

#### 3. Personal safety

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

#### 4. Power tool use and care

- a. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
  - b. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
  - c. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
  - d. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
  - e. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
  - f. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
  - g. **Use the power tool, accessories and tool bits etc., in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- #### 5. Service
- a. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
  - b. Power to the tool should always be supplied via residual current device with a rated residual current of 30mA or less.

## ADDITIONAL SPECIFIC SAFETY RULES

### Safety Instructions for All Operations

- a) ***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.
- b) ***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.
- c) ***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.
- d) ***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.
- e) ***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.
- f) ***Threaded mounting of accessories must match the grinder spindle thread. For accessories mounted by flanges, the arbor 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.
- g) ***Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheel for chips and cracks, backing pad for cracks, tear or excess wear, wire brush for loose or cracked wires. 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.
- h) ***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.
- i) ***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.
- j) ***Hold power tool by insulated gripping surfaces only, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.*** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and shock the operator.
- k) ***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.
- l) ***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.

- m) **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.
- n) **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.
- o) **Do not operate the power tool near flammable materials.** Sparks could ignite these materials.
- p) **Do not use accessories that require liquid coolants.** Using water or other liquid coolants may result in electrocution or shock.

## FURTHER SAFETY INSTRUCTIONS FOR ALL OPERATIONS

### Causes and Operator Prevention of Kickback

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.

For example, if an abrasive wheel is snagged or pinched by the workpiece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on direction of the wheel's movement at the point of pinching. Abrasive wheels may also break under these conditions.

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 reaction 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 Specific Safety Instructions for Polishers

- **Clean out your tool often, especially after heavy use.** Dust and grit containing metal particles often accumulate on interior surfaces and could create an electric shock hazard.
- **Do not operate this tool for long periods of time.** Vibration caused by the operating action of this tool may cause permanent injury to fingers, hands and arms. Use gloves to provide extra cushion, take frequent rest periods and limit daily time of use.
- **Air vents often cover moving parts and should be avoided.** Loose clothes, jewellery or long hair can be caught in moving parts.



**WARNING:** We recommend the use of a residual current device with a residual current rating of 30mA or less.

## Residual Risks

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These are:

- Impairment of hearing.
- Risk of personal injury due to flying particles.
- Risk of burns due to accessories becoming hot during operation.
- Risk of personal injury due to prolonged use.
- Risk of dust from hazardous substances.

**DO NOT** use under wet conditions or in the presence of flammable liquids or gases.

**DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

## Labels on tool

The following pictograms are shown on the tool:



**Warning!** To reduce the risk of injury, the user must read the instruction manual.



Wear ear protection.



Wear eye protection.

## Electrical safety



This tool is double insulated; therefore no earth wire is required. Always check that the power supply corresponds to the voltage on the rating plate.

If the supply cord is damaged, it must be replaced by the manufacturer or an authorised Black & Decker Service Centre in order to avoid a hazard.

## The label on your tool may include the following symbols

V	volts
A	Amperes
Hz	Hertz
W	Watts
min.	Minutes
~	AC power
—	Direct current
n <sub>0</sub>	No-load speed
	Secondary construction
	Grounding terminal
	Safety alert symbol

## FEATURES(fig. A and B)

1. Pad
2. Handles
3. On/off switch
4. Cord Set
5. Towel bonnet
6. Polishing bonnet

## Assembly and Adjustment

Prior to assembly and adjustment always unplug the tool.

## FITTING THE TOWEL APPLICATOR OR WOOL BONNET (FIG. B)

Place the towel applicator bonnet (5) or wool bonnet (6) onto the pad (1) as shown. It is recommended to position on the 3 feet when unit upside-down. Make sure the bonnet is fitted securely and evenly around the underside of the pad.

## Before operation

Before you begin, make sure your car is clean and dry. The work area should be dry also. If necessary, remove tar with a general cleaner before polishing. Also, remove excess grease spots, bug stains etc.

Using liquid wax & paste wax

Black & Decker recommends the use of liquid wax with this polisher.

## USING LIQUID WAX (FIG. C)

Apply three swirls of liquid wax on the towel applicator bonnet (5). DO NOT APPLY WAX DIRECTLY TO CAR. This first application should do about 1/4 of the car. For the second and third applications of wax, use half the quantity stated above. The bonnet will not absorb as much when reloading.

## USING PASTE WAX (FIG. D)

Spread about a heaping teaspoonful of wax evenly over the entire surface of the towel applicator bonnet (5).

Use a putty knife or any flat object. DO NOT APPLY WAX DIRECTLY TO CAR.

## Operation (Figs.E-H)

- Fit the towel applicator bonnet (5) onto the pad (1).
- **MAKE SURE THE POLISHER IS IN THE OFF ("0") POSITION BEFORE PLUGGING THE POLISHER INTO AN APPROPRIATE POWER OUTLET.**
- Apply wax onto the towel applicator bonnet (5) as described on "Using Liquid Wax & Paste Wax" section above.
- To switch your polisher on, press the on/off switch (3) on the side marked "1". To switch it off, press the on/off switch on the side marked "0".

## ALWAYS START AND STOP THE POLISHER ON OR

**AGAINST THE SURFACE.** Place the cord over your shoulder and do flat surfaces first—hood, trunk and roof. Cover areas quickly with broad, sweeping strokes in a criss-cross pattern (fig.E)

- **DO NOT press down on the polisher. The machine's action, not pressure, does the best job.**


- After flat surfaces are covered with wax, do sides of the car. Hold the polisher as in fig.F. Let the cord hang free. It is not necessary to use a criss-cross motion on doors and fenders.
- Remove the towel applicator bonnet (5) and use it to hand-polish all hard-to-reach surfaces; under the bumpers, around the door handles, etc. as shown in fig.G.
- Take off the towel applicator bonnet (5) and put a clean polishing bonnet (6) on the polisher as described in the section "Fitting the Towel applicator or polishing Bonnet (fig.B)" above.
- Polish the wax in the same order it was applied. Use long, sweeping strokes in a criss-cross pattern. Do not press hard. Let the polisher do the work (Fig.H)

## Handy Hits

- This waxer/polisher is a random orbit polisher. It is designed to wobble. The wobbling motion produces the fine, swirl free finish.
- For best results, use light pressure only, letting the polisher do the work.
- The bonnets (5 & 6) can be hand-washed in lukewarm and mild detergent, then machine dry at the lowest setting. However, air-drying is recommended.
- **DO NOT USE ABRASIVE COMPOUNDS.** Liquid wax is recommended to use with this polisher.
- The most common error is applying too much wax. If pad becomes saturated, it will not last as long, and polishing will be more difficult and take longer. Too much wax may have been applied if:
  - towel applicator bonnet (5) continually comes off pad;
  - buffing seems difficult.
  - The polishing bonnet is only to be used for the final buff. Do not use it to apply or remove wax.


## MAINTENANCE

Your Black & Decker power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.


 **Warning!** Before performing any maintenance on the tool, remove the battery from the tool. Unplug the charger before cleaning it. Regularly clean the ventilation slots in your tool using a soft brush or dry cloth. Regularly clean the motor housing using a damp cloth. Do not use any abrasive or solvent-based cleaner. Regularly open the chuck and tap it to remove any dust from the interior. This tool is not user-serviceable. Take it to an authorized Black & Decker repair agent for service. Your charger does not require any maintenance apart from regular cleaning.


## ACCESSORIES

The performance of your tool depends on the accessory used. Black & Decker and Piranha accessories are engineered to high quality standards and designed to enhance the performance of your tool. By using these accessories you will get the very best from your tool. Black & Decker offers a large selection of accessories available at our local dealer or authorized service center at extra cost.

 **CAUTION:** The use of any other accessory not recommended for use with this tool could be hazardous.

## PROTECTING THE ENVIRONMENT

 Separate collection. This product must not be disposed of with normal household waste. Should you find one day that your Black & Decker product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.

 Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials. If necessary, contact your local municipality for proper disposal instructions in your city/town.

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