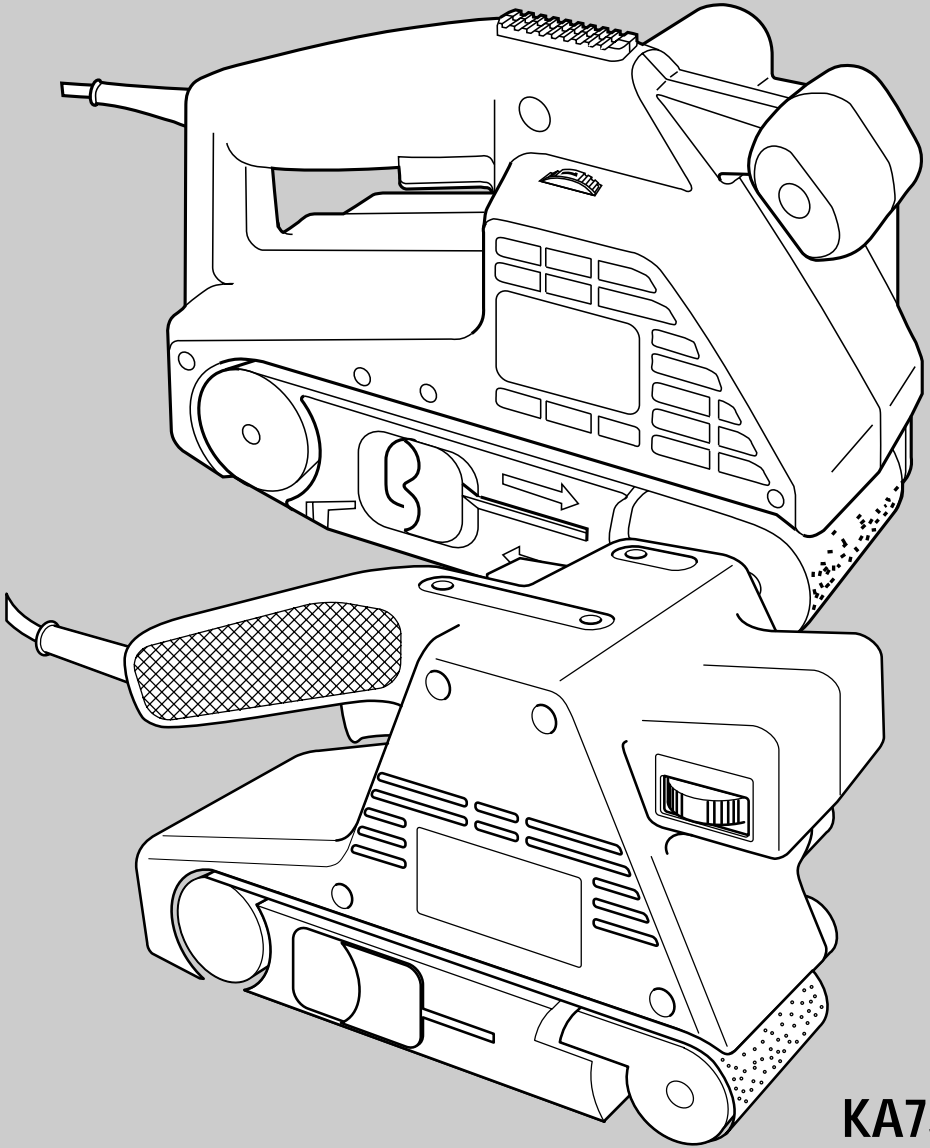


**BLACK &
DECKER®**



**KA75
KA83**

Congratulations!

On the purchase of your Black & Decker belt sander.

To ensure the best results from your belt sander please read these safety and usage instructions carefully. If you have any questions or queries after reading this manual please do not hesitate to call your local service and information centre (the number is towards the back of this manual).

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Belt sander user manual

SAFETY INSTRUCTIONS

Warning! When using electric tools, the following basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. Read all these instructions before attempting to operate the product and save this booklet.


FOR SAFE OPERATION:

- **Keep the work area clean.** Cluttered areas and benches invite injuries.
- **Consider the work area environment.** Do not expose the power tool to rain and do not use in damp or wet locations. Keep the work area well lit. Do not use the power tool where there is a risk to cause fire or explosion.
- **Guard against electric shock.** Avoid body contact, where possible, with earthed or grounded surfaces (e.g. pipes, radiators, ranges and refrigerators).
- **Keep children away.** Do not let visitors touch the tool or extension cord. All visitors should be kept away from the work area.
- **Store idle tools.** When not in use, tools should be stored in a dry, high or locked place, out of reach of children.
- **Do not force the tool.** It will do the job better and more safely at the rate for which it was intended.
- **Use the right tool.** Do not force small tools or attachments to do the job of a heavy duty tool. Do not use the tool for purposes not intended; for example, do not use a circular saw to cut tree limbs or logs.
- **Dress properly.** Do not wear loose clothing or jewellery as they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- **Use safety glasses.** Use a face or dust mask as well, if the operation is dusty or if the tool is being used in enclosed spaces.
- **Connecting dust extraction equipment.** If devices are provided for the connection of dust extraction and collection ensure these are connected and properly used, especially in confined areas.
- **Do not abuse the cord.** Never carry the tool by its cord or yank it to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
- **Secure the work.** Use clamps or a vice to hold the work. It is safer than using a hand and it frees both hands to operate the tool.
- **Do not overreach.** Keep proper footing and balance at all times.

- **Maintain the tool with care.** Keep a cutting tool sharp and clean for better and safer performance. Follow the instructions for lubricating and changing accessories. Inspect the tools cord periodically and, if damaged, have repaired by an authorised service facility. Inspect the extension cord periodically and replace if damaged. Keep the handles dry, clean and free from oil and grease.
- **Disconnect the tool** when not in use, before servicing and when changing accessories such as blades, bits and cutters.
- **Remove adjusting keys and wrenches.** Form the habit of checking to see that keys and adjusting wrenches are removed from the tool and replaced in the storage area before switching on.
- **Avoid unintentional starting.** Do not carry a plugged-in tool with a finger on the switch. Ensure the switch is off when plugging in.
- **Use an outdoor extension cord.** When a tool is used outdoors, only use an extension cord intended for outdoor use and so marked.
- **Stay alert.** Watch what you are doing, use common sense and do not operate the tool when tired.
- **Check damaged parts.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine whether it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorised service centre unless otherwise indicated in the product booklet. Have defective switches replaced by an authorised service centre. Do not use the tool if the switch does not turn it on and off.
- **Warning!** The use of any accessory or attachment, other than recommended in the product booklet, may present a risk of personal injury.
- **Have the tool repaired by a qualified person.** The electrical tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise, this may result in considerable danger to the user.

Save these instructions!

DOUBLE INSULATION

 The tool is double insulated. This means that all the external metal parts are electrically insulated from the mains power supply. This is done by

placing insulation barriers between the electrical and mechanical components making it unnecessary for the tool to be earthed.

Note: Double insulation does not take the place of normal safety precautions when operating the tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

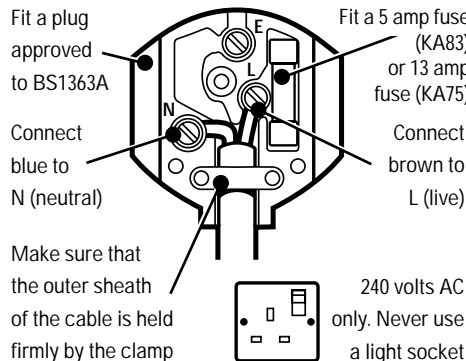
ELECTRICAL SAFETY

Be sure the supply is the same as the voltage given on the rating plate. The tool is fitted with a two-core cable and plug.

MAINS PLUG REPLACEMENT (UK ONLY)

Should the mains plug need replacing and you are competent to do this, proceed as instructed below. If you are in doubt, contact a Black & Decker service agent or a qualified electrician.

- Disconnect the plug from the power supply.
- Cut off the plug and dispose of safely. A plug with bared copper conductors is very dangerous if engaged in a live socket outlet.
- Only fit BS1363A approved plugs fitted with the correctly rated fuse. **Note:** Fuses do not give personal protection against electric shock.
- The cable wire colours, or a letter, will be marked at the connection point of most good quality plugs. Attach the wires to their respective points in the plug (see diagram). Brown is L (live) and blue is N (neutral).



- Before replacing the top cover of the plug ensure that the cable restraint is holding the outer sheath of the cable firmly and that the two leads are correctly fixed at the terminal screws. If the fuse cover is missing or damaged do not use the plug. For replacement or detachable fuse covers, contact a Black & Decker service agent.

Warning! Never connect live or neutral wires to the earth pin marked E or \perp .

MAINS PLUG REPLACEMENT (AUSTRALIA AND NEW ZEALAND ONLY)

Should the mains plug or cordset of the product be damaged, it must only be replaced by an authorised Black & Decker service agent because special purpose tools are required.

EXTENSION CABLES

Up to 30m (100ft) of 3-core extension cable can be used without undue loss of power. **Note:** An extension cable should not be used unless absolutely necessary. Use of an improper extension cable could result in a risk of fire and electric shock. If an extension cable must be used, make sure it is properly wired, contains the correct rated fuse as recommended in its literature and is in good electrical condition.

UNWANTED TOOLS AND THE ENVIRONMENT



Should you find one day that the tool needs replacement or is of no further use, think of the protection of the environment. Black & Decker service agents will accept old tools and will dispose of them in an environmentally safe way.

THE BLACK & DECKER GUARANTEE (UK, AUSTRALIA AND NEW ZEALAND ONLY)

If the Black & Decker product becomes defective due to faulty materials and workmanship, within 24 months from the date of purchase, we guarantee to either replace all defective parts or at our discretion, replace the unit free of charge provided that:

- The product is returned to us or our authorised repairers with evidence of date of purchase.
- The product has not been used for trade, professional or hire purposes.
- The product has not been subjected to misuse or neglect.
- The product has not sustained any damage through foreign objects, substances or accidents.
- Repairs have not been attempted by anyone other than our authorised repair agents.

This guarantee is offered as an extra benefit and is additional to the customers statutory rights.

AFTER SALES SERVICE FOR THE BLACK & DECKER PRODUCT (UK, AUSTRALIA AND NEW ZEALAND ONLY)

Black & Decker offers a nationwide network of authorised service agents. The use of other than genuine Black & Decker accessories and parts may

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damage or reduce the performance of your Black & Decker product and may also endanger the user. The terms and conditions of the warranty may also be effected.

OUR AFTER SALES SERVICE POLICY (UK, AUSTRALIA AND NEW ZEALAND ONLY)

It is our aim that all Black & Decker customers should be totally satisfied with their Black & Decker product and after sales service, but if help or advice is needed please contact a local Black & Decker authorised repair agent who will be happy to help. Full details of our after sales service can be obtained from any of our Black & Decker authorised repair agents.

ACCESSORIES

The performance of any power tool is dependant upon the accessory used. Black & Decker accessories are engineered to high quality standards and are designed to enhance the performance of your tool. Buying a Black & Decker accessory will ensure that you get the very best from your Black & Decker tool.

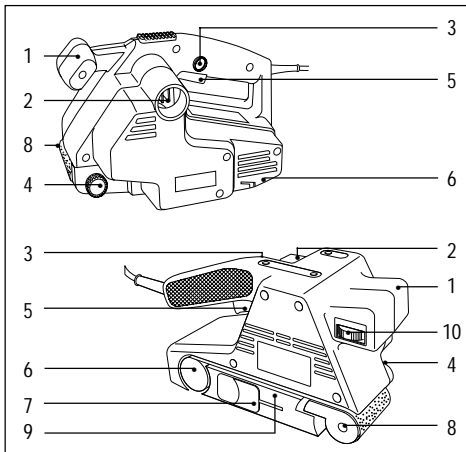
TECHNICAL DATA

The level of sound pressure of the tool is in accordance with EEC legislation. It is recommended that you take appropriate measures for the protection of your hearing if the sound level seems uncomfortable. This normally equates to a sound pressure in excess of 85dB (A).

Your sander includes some or all of these features.

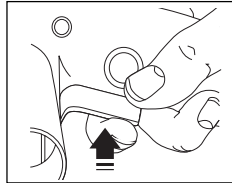
Note: This user manual also covers more than one catalogue number within this product group. Refer to your carton for details of your product.

FEATURES



1. Front handle
2. Dust collection bag or vacuum cleaner connection
3. Lock-on switch
4. Tracking adjustment knob
5. On/off switch
6. Drive roller
7. Sanding belt tension lever
8. Front belt roller
9. Belt rotation direction indicator
10. Belt speed control (electronic models only)

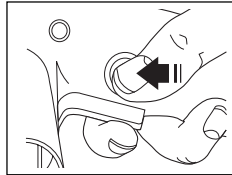
OPERATING YOUR BELT SANDER



To start your belt sander, depress the on/off switch (5).

To stop your belt sander release the on/off switch.

If continuous operation is required, proceed as follows:



Depress the on/off switch (5).

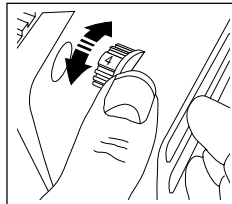
Depress the lock-on button (3) and release the on/off switch.

To stop your belt sander, proceed as follows:

Depress the on/off switch to release the lock-on button. Release the on/off switch.

BELT SPEED CONTROL (ELECTRONIC MODELS ONLY)

Belt speed control is provided to aid the achievement



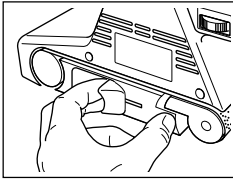
of a perfect finish. Various factors affect the finish (material, speed and grit), you can use the following table to help choose the correct speed and grit for the job.

Material	Electronic position	Belt grit
Solid wood	5-max	80
Veneer	3-4	150
Chipboard	max	60/80
Plastics	2-5	100
Steel	5-max	80
Paint removal	6-max	40/60
Balsa wood	1-3	100
Acrylic	1-2	100

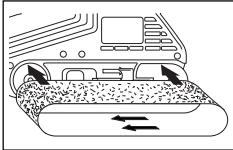
CHANGING THE SANDING BELT

Proceed as follows:

Disconnect the plug from the electricity supply.



Pull the lever (7) to release the tension on the sanding belt. Pull the sanding belt from the two rollers.



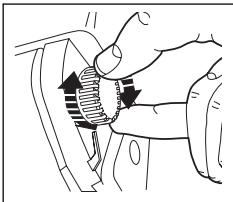
Put the new sanding belt in position on the front and rear rollers, ensuring that the arrows on the sanding belt and on your belt sander are pointing in the same direction. Push the lever (7) to the rear to tension the sanding belt. Check the tracking of the sanding belt.

Push the lever (7) to the rear to tension the sanding belt. Check the tracking of the sanding belt.

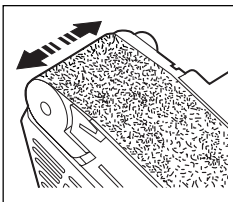
ADJUSTING THE SANDING BELT TRACKING

After you change the sanding belt, proceed as follows: Connect the plug to the electricity supply and switch on your belt sander.

Check that the sanding belt runs parallel with the outer edge of the motor housing.



To adjust the tracking, turn the tracking adjustment knob (4) clockwise or anti-clockwise as necessary, until the sanding belt runs parallel with the outer edge. Turning the adjuster knob clockwise moves the sanding belt to the inside of the motor housing. Turning the adjuster anti-clockwise moves the sanding belt to the outside of the motor housing.



DUST COLLECTION

When using your belt sander, dust and grit is produced. It is important to either use a dustbag (KA75 and KA83) or connect a vacuum cleaner (KA75 only).

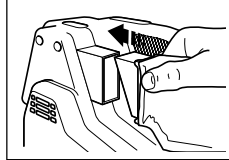
Both are connected in the same way, as follows: Disconnect the plug from the electricity supply.

Locate the plastic nozzle of the dust collection bag in/ on the dust outlet of your belt sander and push firmly



home, using the wire frame of the dust collection bag.

To remove the dust collection bag, disconnect the plug from the electricity supply and pull the plastic nozzle from the unit outlet.

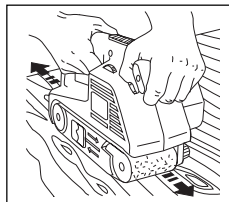


Note: Do not allow the dustbag to get too full. Empty the dust bag every 5 minutes.

Caution: When working on metal surfaces, do not use the dustbag or the vacuum cleaner because sparks are generated. Wear safety glasses. Due to the danger of fire, do not use your belt sander to sand magnesium surfaces.

HANDY HINTS

- Always start your belt sander before it is in contact with the work piece and do not switch it off when it is in contact with the workpiece.
- Set the belt speed control to the correct speed for the job (electronic models only).
- Always hold your belt sander with two hands.
- Where possible, clamp the workpiece to the bench.



Sand wood in the direction of the grain.

- Use the correct sanding belt. The grades and grit sizes in the table under belt speed control will aid your choice.

TOOL CARE

Never apply excessive force when you use your belt sander. Too much force can result in an overload and cause damage to the motor or the workpiece. If your belt sander becomes too hot, operate it without load for 2 minutes. Always keep the air cooling vents clear. To clean your belt sander, proceed as follows: Disconnect the plug from the electricity supply.

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Use a clean dry paint brush to clear vents and ducts.
Clean the housings using a clean damp cloth (do not use solvents, petrol or turpentine).

To clean the sanding belt, hold a wire brush against the belt while operating your belt sander.

EC DECLARATION OF CONFORMITY

We declare that units: **KA75, KA75E, KA83, KA83E**
conform to 89/392/EEC, 89/336/EEC, EN55014,
73/23/EEC, EN55104, EN50144, EN61000

A weighted sound pressure 98dB (A)

A weighted sound power 111dB (A)

Hand/arm weighted vibration <2.5m/s²



Brian Cooke - Director of Engineering
Black & Decker Ltd, Spennymoor, County Durham
DL16 6JG United Kingdom

The Black & Decker policy is one of continuous improvement to our product and as such we reserve the right to change the product specification without prior notice.

Australia	Black & Decker (A'asia) Pty Ltd 286-288 Maroondah Highway North Croydon, Victoria 3136	Tel: 03 9213 8200 Fax: 03 9726 7150
New Zealand	Black & Decker 483 Great South Road, Penrose, Auckland	Tel: 09 579 7600 Fax: 09 579 8200
South Africa	Black & Decker South Africa (Pty) Ltd Suite no 107, PostNet X65, Halfway House 1685	Tel: 011 314 4431 Fax: 011 314 4435
United Kingdom	Black & Decker 210 Bath Road, Slough Berkshire SL1 3YD	Tel: 01753 574277 Tlx: 848317 BAND MH Fax: 01753 551155

Address of the dealer where your sander was purchased:

Date of your purchase:

Name: _____

House number or name and street: _____

Town: _____

County or state: _____

Postcode: _____

Country: _____

Product catalogue number: KA__ / ____

Data protection act: Tick this box if you prefer **not** to receive information from Black & Decker or other companies.

Yes No

Was your sander a gift?

Was your sander your first purchase?

Was your sander bought as a replacement?

What was the price of your sander? _____

Address of the dealer where your sander was purchased:

GUARANTEE CARD

Australia: Call 1900 937766 (the maximum call charge is \$2.00 excluding tax)

New Zealand: Call 0900 97766 (the maximum call charge is \$2.00 excluding tax)

South Africa: Black & Decker South Africa (Pty) Ltd, Suite no 107, PostNet X65, Halfway House 1685

United Kingdom & Ireland: PO Box 821, Slough, Berkshire, SL1 3AR



Please complete this section immediately after the purchase of your sander and post it to the Black & Decker address in your country (above).

If you live in Australia or New Zealand, please register your purchase by phone.