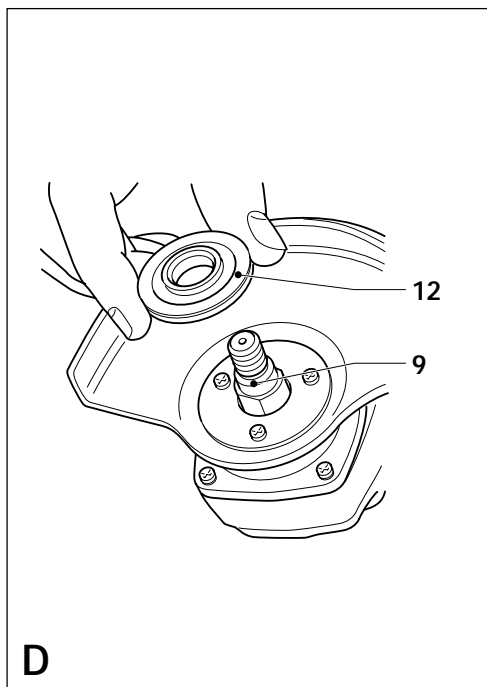
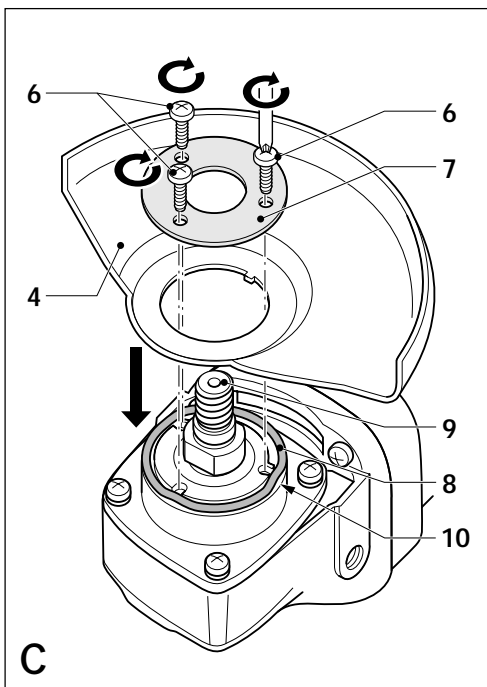
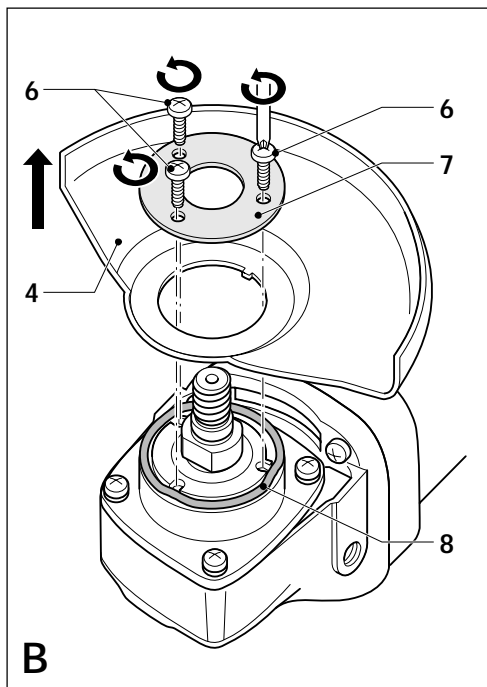
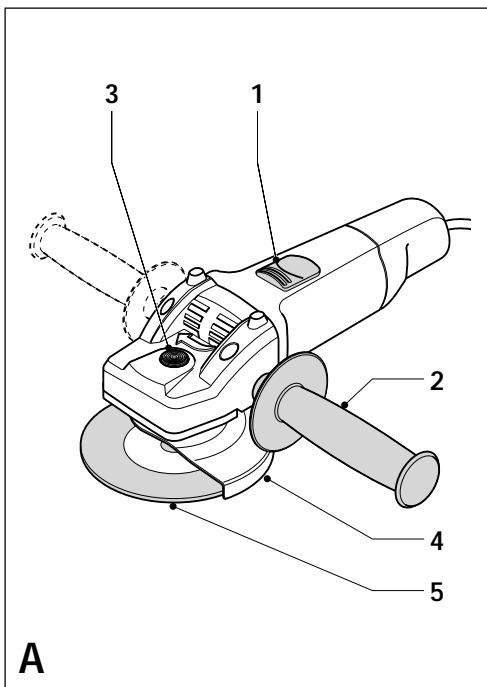
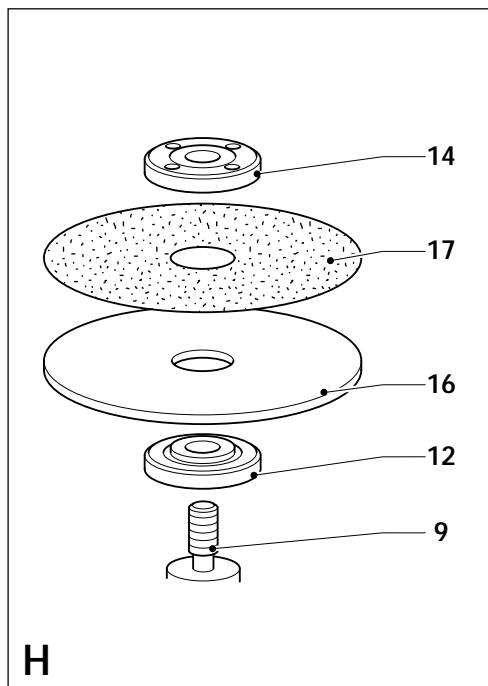
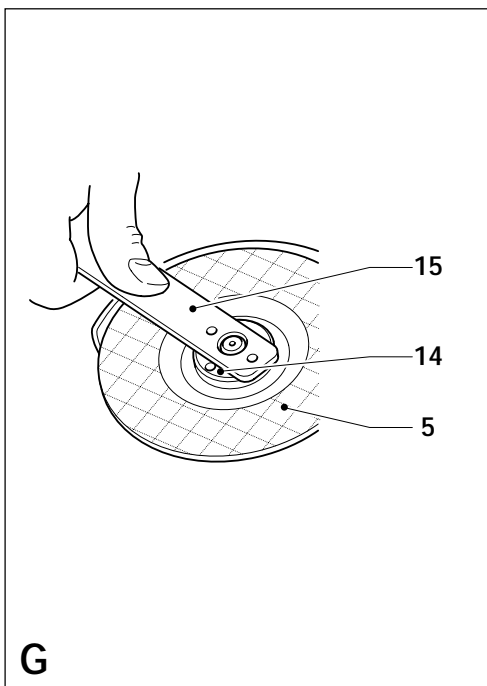
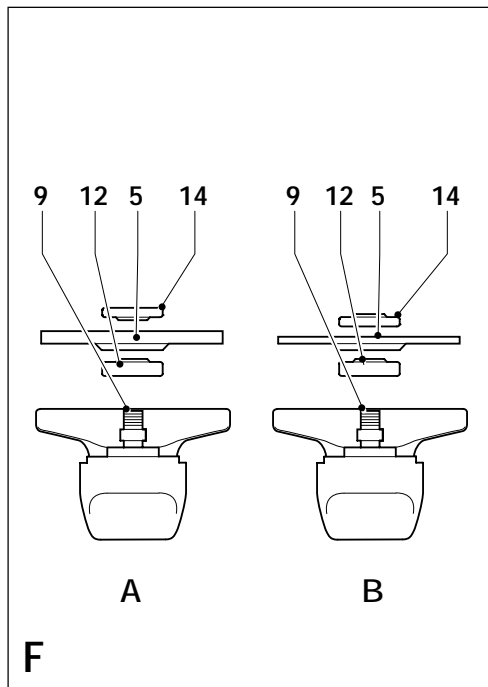
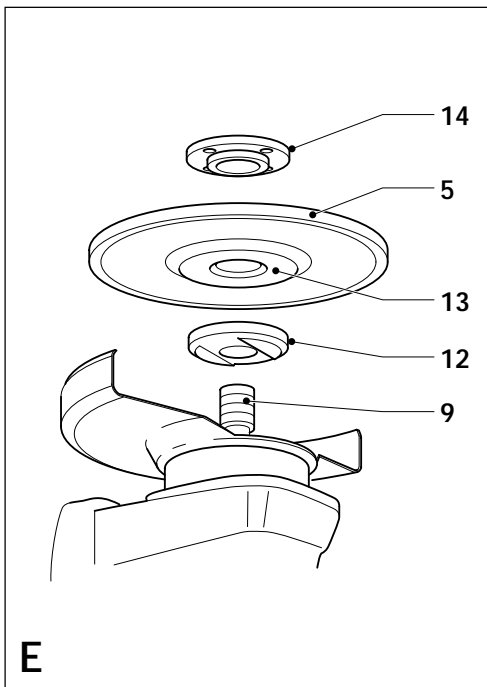
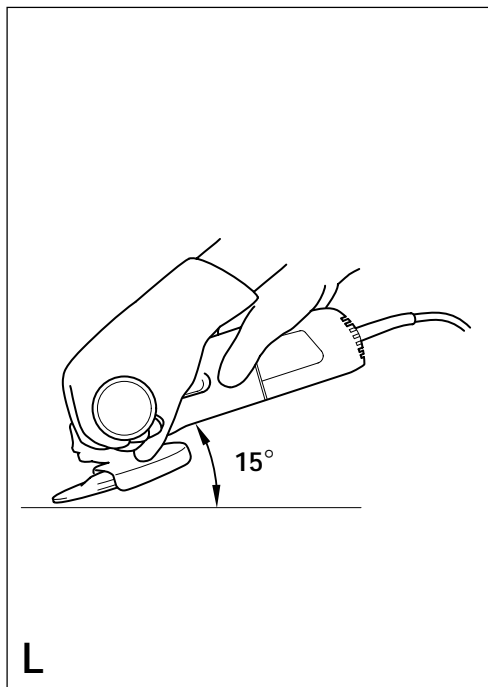
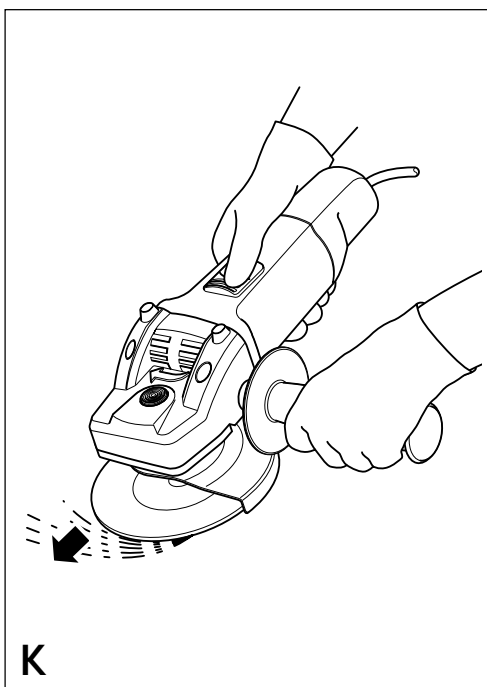
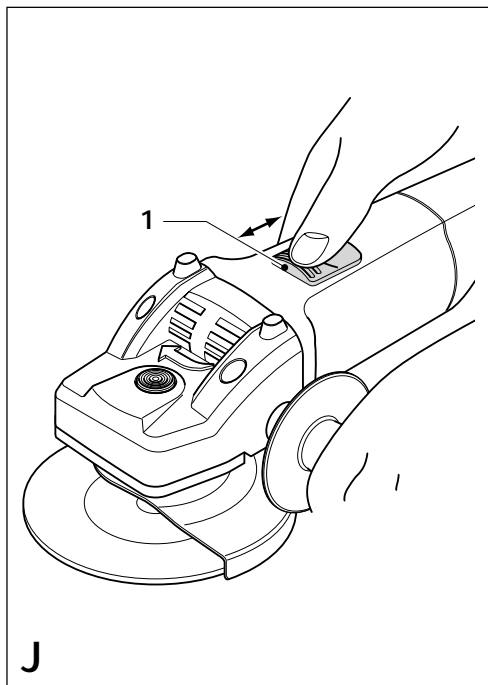
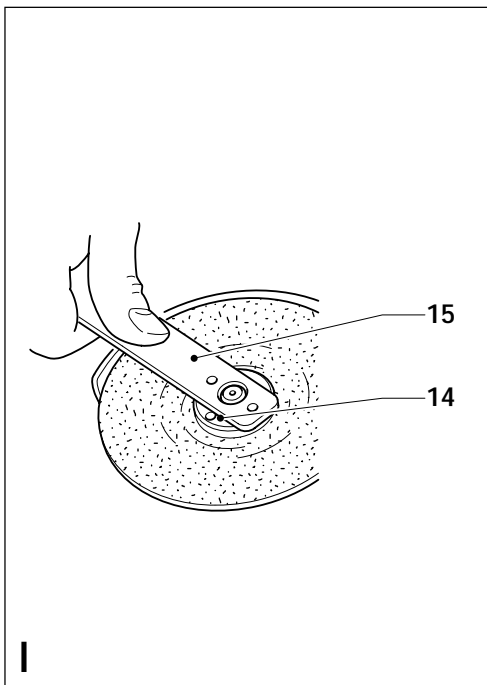


KG900
KG915









ANGLE GRINDER KG900/KG915

CONGRATULATIONS!

You have chosen a Black & Decker tool. Our aim is to provide quality tools at an affordable price. We hope that you will enjoy using this tool for many years.

EC DECLARATION OF CONFORMITY



KG900/KG915

Black & Decker declares that these products conform to:
98/37/EC, 89/336/EEC, 73/23/EEC,
EN 50144, EN 55014, EN 61000

Level of sound pressure, measured according to EN 50144:

| | | |
|---------------------------|-------|-------|
| L_{pA} (sound pressure) | dB(A) | 89.9 |
| L_{WA} (acoustic power) | dB(A) | 102.9 |



Always wear ear protection if the sound pressure exceeds 85 dB(A).

Hand/arm weighted vibration value according to EN 50144:

< 2.5 m/s²

K. Hewitt

Kevin Hewitt
Director of Consumer Engineering
Spennymoor, County Durham DL16 6JG,
United Kingdom

INTENDED USE

Your Black & Decker angle grinder has been designed for cutting metal and masonry using the appropriate type of cutting or grinding disc. It is also suitable for sanding using a backing pad and sanding disc.
This tool is intended for consumer use only.

SAFETY INSTRUCTIONS

Warning symbols

The following symbols are used in this manual:



Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.



Denotes risk of electric shock.



Read the manual prior to operation.



Fire hazard.

Know your tool



- ◆ **Warning!** When using mains-powered tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock, personal injury and material damage.
- ◆ Read all of this manual carefully before operating the tool.
- ◆ Before operating the tool, make sure that you know how to switch the tool off in an emergency.
- ◆ Retain this manual for future reference.

General

1. Keep work area clean

Cluttered areas and benches can cause accidents.

2. Consider work area environment

Do not expose the tool to rain. Do not use the tool in damp or wet conditions. Keep the work area well lit. Do not use the tool where there is a risk of causing fire or explosion, e.g. in the presence of flammable liquids and gases.

3. Keep children away

Do not allow children, visitors or animals to come near the work area or to touch the tool or mains cable.

4. Dress properly

Do not wear loose clothing or jewellery, as these can be caught in moving parts. Preferably wear rubber gloves and non-slip footwear when working outdoors. Wear protective hair covering to keep long hair out of the way.

5. Personal protection

Always use safety glasses. Use a face or dust mask whenever the operations may produce dust or flying particles. Wear ear protection whenever the sound level seems uncomfortable.

6. Guard against electric shock

Prevent body contact with earthed or grounded surfaces (e.g. pipes, radiators, cookers and refrigerators). Electric safety can be further improved by using a high-sensitivity (30 mA / 30 mS) residual current device (RCD).

7. Do not overreach

Keep proper footing and balance at all times.

8. Stay alert

Watch what you are doing. Use common sense. Do not operate the tool when you are tired.

9. Secure workpiece

Use clamps or a vice to hold the workpiece. It is safer and it frees both hands to operate the tool.

10. Connect dust extraction equipment

If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used.

11. Remove adjusting keys and wrenches

Always check that adjusting keys and wrenches are removed from the tool before operating the tool.

12. Extension cables

Before use, inspect the extension cable and replace if damaged. When using the tool outdoors, only use extension cables intended for outdoor use.

13. Use appropriate tool

The intended use is described in this instruction manual. Do not force small tools or attachments to do the job of a heavy-duty tool. The tool will do the job better and safer at the rate for which it was intended. Do not force the tool.

Warning! The use of any accessory or attachment or performance of any operation with this tool other than those recommended in this instruction manual may present a risk of personal injury.

14. Check for damaged parts

Before use, carefully check the tool and mains cable for damage. Check for misalignment and seizure of moving parts, breakage of parts, damage to guards and switches and any other conditions that may affect its operation.

Ensure that the tool will operate properly and perform its intended function. Do not use the tool if any part is damaged or defective.

Do not use the tool if the switch does not turn it on and off. Have any damaged or defective parts repaired or replaced by an authorised repair agent. Never attempt any repairs yourself.

15. Unplug the tool

Unplug the tool when it is not in use, before changing any parts of the tool, accessories or attachments and before servicing.

16. Avoid unintentional starting

Do not carry the tool with a finger on the on/off switch. Be sure that the tool is switched off when plugging in.

17. Do not abuse cord

Never carry the tool by its cord or pull it to disconnect from the socket. Keep the cord away from heat, oil and sharp edges.

18. Store idle tools

When not in use, tools should be stored in a dry, locked up or high place, out of reach of children.

19. Maintain tools with care

Keep cutting tools sharp and clean for better and safer performance. Follow the instructions for maintenance and changing accessories.

Keep handles and switches dry, clean and free from oil and grease.

20. Repairs

This tool complies with 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.

Additional safety instructions for angle grinders



Wear safety glasses or goggles when operating this tool.



Wear ear protection when operating this tool.



Wear gloves when operating this tool.



Do not cut or grind light metal with a magnesium content exceeding 80%, since this type of metal is flammable.

- ◆ Only use grinding and cutting discs and other accessories recommended in this manual.
- ◆ Make sure that the maximum speed of the grinding or cutting disc exceeds the no-load speed of the tool.
- ◆ Do not cut workpieces requiring a maximum depth of cut exceeding that of the cutting disc.
- ◆ Never use the tool without the guard, except for sanding.
- ◆ Do not exert side pressure on the grinding or cutting disc.
- ◆ Use this tool only as a hand held tool.

Sanding

- ◆ Wear a dust mask whenever sanding.
- ◆ Thoroughly remove all dust after sanding.
- ◆ Take special care when sanding paint which is possibly lead based or when sanding some woods and metal which may produce toxic dust:
 - Wear a dust mask specifically designed for protection against lead paint dust and fumes and ensure that persons within or entering the work area are also protected.

- Do not let children or pregnant women enter the work area.
- Do not eat, drink or smoke in the work area.
- Dispose of dust particles and any other debris safely.

Additional safety instructions for Australia and New Zealand

- ◆ This appliance is not intended for use by young or infirm persons without supervision. Children must be supervised to ensure they do not play with the appliance.
- ◆ 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.

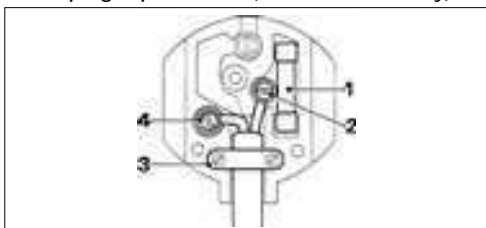
ELECTRICAL SAFETY

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate.



This tool is double insulated in accordance with EN 50144; therefore no earth wire is required.

Mains plug replacement (U.K. & Ireland only)



- ◆ Should your mains plug need replacing and you are competent to do this, proceed as instructed below. If you are in doubt, contact an authorised repair agent or a qualified electrician.
- ◆ Disconnect the plug from the supply and remove the fuse from the plug.
- ◆ Cut off the plug and dispose of it safely; a plug with bared copper conductors is dangerous if engaged in a live socket outlet.
- ◆ Only fit 13 Amperes BS1363A approved plugs fitted with the correctly rated fuse (1).

- ◆ The cable wire colours, or a letter, will be marked at the connection points of most good quality plugs.

Attach the wires to their respective points in the plug (see above). Brown is for Live (L) (2), blue is for Neutral (N) (4).

- ◆ Before replacing the top cover of the mains plug ensure that the cable restraint (3) is holding the outer sheath of the cable firmly and that the leads are correctly fixed at the terminal screws.
- ◆ If the plug has a fuse cover, make sure that the fuse cover is fitted. Do not use the plug if the fuse cover is missing or damaged.



Never use a light socket.

Using an extension cable

Always use an approved extension cable suitable for the power input of this tool (see technical data). Before use, inspect the extension cable for signs of damage, wear and ageing. Replace the extension cable if damaged or defective.

When using a cable reel, always unwind the cable completely. Use of an extension cable not suitable for the power input of the tool or which is damaged or defective may result in a risk of fire and electric shock.

PACKAGE CONTENTS

The package contains:

- 1 Angle grinder
- 1 Side handle
- 1 Grinding or cutting disc
- 1 Flange set
- 1 Two-pin spanner
- 1 Instruction manual

- ◆ Carefully unpack all parts.
- ◆ Please note that additional items may be found in the package, depending on the letter suffix following the catalogue number of your tool.

OVERVIEW (fig. A)

- 1. On/off switch
- 2. Side handle
- 3. Spindle lock

- 4. Guard
- 5. Grinding or cutting disc

ASSEMBLY



Before attempting any of the following operations, make sure that the tool is switched off and unplugged and that the disc has stopped rotating.

Removing and refitting of the guard



Never use the tool without the guard, except when sanding.

Removing (fig. B)

This tool is fitted with a guard. For sanding only, you can remove the guard as follows.

- ◆ Remove the outer flange, disc and inner flange as described below.
- ◆ Use a screwdriver to remove the screws (6).
- ◆ Remove the flange (7), guard (4) and spring washer (8). Store these parts carefully.

Refitting (fig. C)

- ◆ Place the tool on a table, with the spindle (9) facing up.
- ◆ Place the spring washer (8) over the spindle and locate it on the shoulder (10).
- ◆ Place the guard onto the tool as shown.
- ◆ Place the flange (11) over the spindle with the protruding pins towards the guard. Make sure that the holes in the flange align with the screw holes.
- ◆ Secure the flange with the screws (6). Make sure that the screws are fully tight and that the guard can be rotated.

Fitting the side handle (fig. A)



Always use the side handle.

- ◆ Screw the side handle (2) into one of the mounting holes in the tool.

Fitting and removing grinding or cutting discs (fig. A, D - G)



Always use the correct type of disc for your application. Always use discs with the correct diameter and bore size (see technical data).

The maximum thickness for grinding discs is 6 mm, for cutting discs 3.5 mm.

Fitting

- ◆ If it has been removed, fit the guard as described above.
- ◆ Place the inner flange (12) onto the spindle (9) as shown (fig. D). Make sure that the flange is correctly located on the flat sides of the spindle.
- ◆ Place the disc (5) onto the spindle (9) as shown (fig. E). If the disc has a raised centre (13), make sure that the raised centre faces the inner flange.
- ◆ Make sure that the disc locates correctly on the inner flange.
- ◆ Place the outer flange (14) onto the spindle. When fitting a grinding disc, the raised centre on the outer flange must face towards the disc (A in fig. F). When fitting a cutting disc, the raised centre on the outer flange must face away from the disc (B in fig. F).
- ◆ Keep the spindle lock (3) depressed and tighten the outer flange using the two-pin spanner (15) (fig. A & G). Make sure that the outer flange is fitted correctly for the type of disc used and that the disc is clamped tightly.

Removing

- ◆ Keep the spindle lock (3) depressed and loosen the outer flange (14) using the two-pin spanner (15) (fig. A & G).
- ◆ Remove the outer flange (14) and the disc (5).

Fitting and removing sanding discs (fig. A, H & I)

For sanding, a backing pad is required. The backing pad is available from your Black & Decker dealer as an accessory.

Fitting

- ◆ Remove the guard as described above.
- ◆ Place the inner flange (12) onto the spindle (9) as shown (fig. H). Make sure that the flange is correctly located on the flat sides of the spindle.
- ◆ Place the backing pad (16) onto the spindle.
- ◆ Place the sanding disc (17) onto the backing pad.
- ◆ Place the outer flange (14) onto the spindle with the raised centre facing away from the disc.
- ◆ Keep the spindle lock (3) depressed and tighten the outer flange using the two-pin spanner (15) (fig. A & I). Make sure that the outer flange is fitted correctly and that the disc is clamped tightly.

Removing

- ◆ Keep the spindle lock (3) depressed and loosen the outer flange (14) using the two-pin spanner (15) (fig. A & I).
- ◆ Remove the outer flange (14), the sanding disc (17) and the backing pad (16).



After sanding, refit the guard on the tool.

USE



Let the tool work at its own pace. Do not overload.

- ◆ Carefully guide the cable in order to avoid accidentally cutting it.
- ◆ Be prepared for a stream of sparks when the grinding or cutting disc touches the workpiece.
- ◆ Always position the tool in such a way that the guard provides optimum protection from the grinding or cutting disc.



Wear safety glasses or goggles when operating this tool.

Switching on and off (fig. J)

- ◆ To switch on, slide the on/off switch (1) forward. Note that the tool will continue running when you release the switch.
- ◆ To switch off, press the rear part of the on/off switch.

Hints for optimum use

- ◆ Firmly hold the tool with one hand around the side handle and the other hand around the motor housing (fig. K).
- ◆ When grinding, always maintain an angle of approx. 15° between the disc and the workpiece surface (fig. L).

MAINTENANCE

Your Black & Decker 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.



Before performing any maintenance, switch off and unplug the tool.

- ◆ 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.

PROTECTING THE ENVIRONMENT



Black & Decker provides a facility for recycling Black & Decker products once they have reached the end of their working life. This service is provided free of charge. To take advantage of this service please return your product to any authorised repair agent who will collect them on our behalf.

You can check the location of your nearest authorised repair agent by contacting your local Black & Decker office at the address indicated in this manual. Alternatively, a list of authorised Black & Decker repair agents and full details of our after-sales service and contacts are available on the Internet at: www.2helpU.com.

Technical data

| | | KG900 | KG915 |
|---------------------------|-------------------|--------|--------|
| Voltage | V _{AC} | 230 | 230 |
| (Australia & New Zealand) | V _{AC} | 240 | 240 |
| Power input | W | 900 | 900 |
| No-load speed | min ⁻¹ | 10,000 | 10,000 |
| Disc diameter | mm | 100 | 115 |
| Disc bore | mm | 16 | 22 |
| Spindle size | M10 | M14 | |
| Weight | kg | 2.1 | 2.1 |

GUARANTEE

Black & Decker is confident of the quality of its products and offers an outstanding guarantee. This guarantee statement is in addition to and in no way prejudices your statutory rights. The guarantee is valid within the territories of the Member States of the European Union and the European Free Trade Area.

If a Black & Decker product becomes defective due to faulty materials, workmanship or lack of conformity, within 24 months from the date of purchase, Black & Decker guarantees to replace defective parts, repair products subjected to fair wear and tear or replace such products to ensure minimum inconvenience to the customer unless:

- ◆ The product has been used for trade, professional or hire purposes;
- ◆ The product has been subjected to misuse or neglect;
- ◆ The product has sustained damage through foreign objects, substances or accidents;
- ◆ Repairs have been attempted by persons other than authorised repair agents or Black & Decker service staff.

To claim on the guarantee, you will need to submit proof of purchase to the seller or an authorised repair agent. You can check the location of your nearest authorised repair agent by contacting your local Black & Decker office at the address indicated in this manual. Alternatively, a list of authorised Black & Decker repair agents and full details of our after-sales service and contacts are available on the Internet at: **www.2helpU.com**.

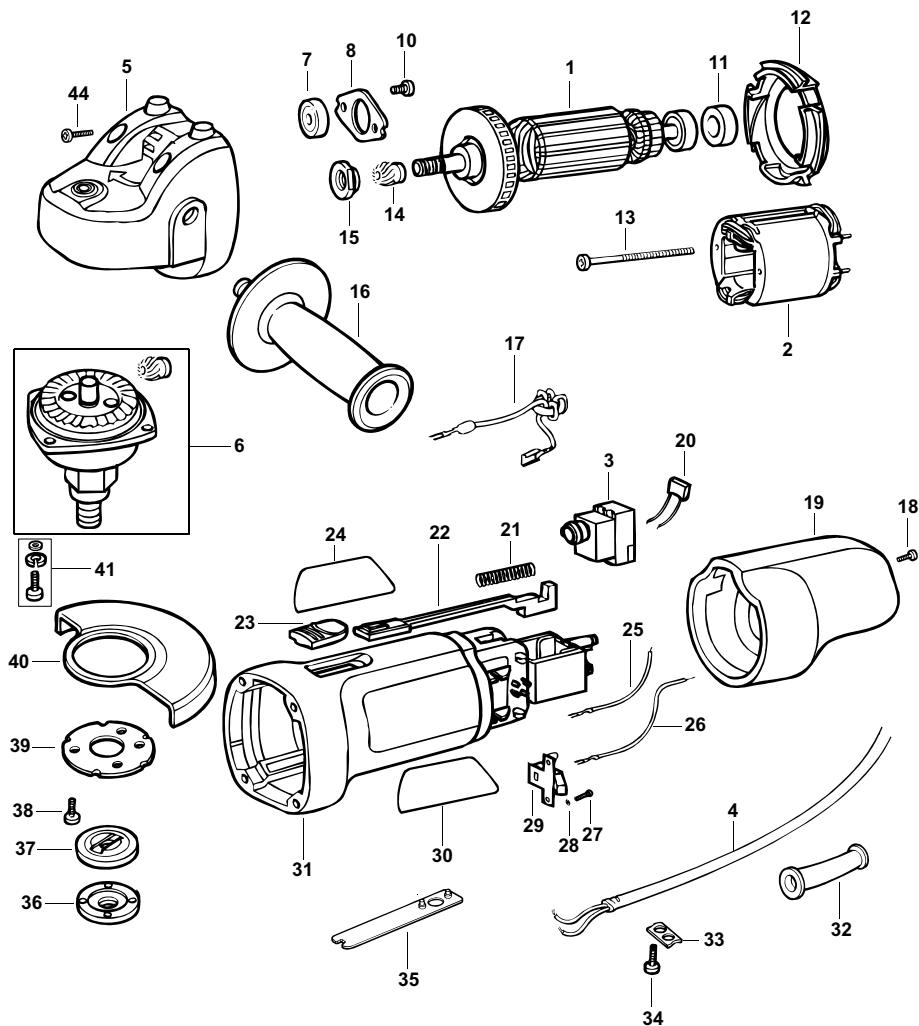
OTHER DIY TOOLS

Black & Decker has a full range of tools that make DIY jobs easy. If you would like further information on the following products, please contact our Service and Information Centre (see the address page towards the end of this manual) or your local Black & Decker retailer.

Drills
Cordless screwdrivers
Cordless drills/screwdrivers
Sanders
Jigsaws
Circular saws
Mitre saws
Angle grinders
Planers
Routers
Corded and cordless multi-purpose tools
Paint strippers
Workbenches

We also have a wide range of accessories for the above tools.

Not all products are available in all countries.



| | | |
|-----------------------|---|--|
| Australia | DeWALT Industrial Power Tool Company 7 Clarice Road Box Hill, Victoria 3128 | Tel. 03 9895 9200 Fax 03 9899 7465 |
| New Zealand | Black & Decker 81 Hugo Johnson Drive Penrose, Auckland, New Zealand | Tel. 09 579 7600 Fax 09 579 8200 |
| United Kingdom | Black & Decker 210 Bath Road Slough, Berkshire SL1 3YD | Tel. 01753 511234 Fax 01753 551155 Helpline 01753 574277 |