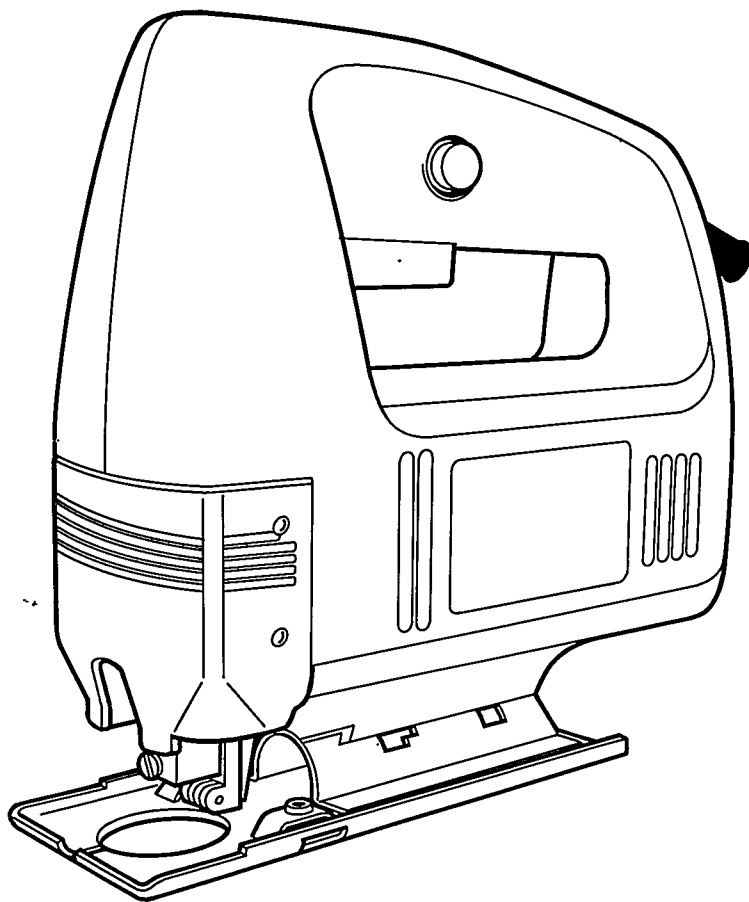




BLACK & DECKER®

ELECTRIC SAW Instructions for use



Safety Rules

Know your electric saw; read all of this leaflet carefully before you use the saw.

Your clothing

- Don't wear loose clothing, hair or jewellery which might get caught in moving parts.
- Wear rubber footwear when working outdoors.
- Safety glasses should be worn.

Your work area

- Keep your work area well-lit.
- Keep your work area clean and clear of obstructions.
- Keep children and other onlookers at a safe distance.
- Don't use your saw in damp or wet conditions.

Your electric saw

- When fitting and changing saw blades, always follow the instructions.

Using your electric saw

- Use clamps or a vice to hold work if possible.

- Make sure the switch is off before you plug in.
- Don't over-reach; be sure of your footing and balance at all times, especially on ladders and staging.
- Don't put undue pressure on saw, such that it slows down.
- Always switch off before you put the saw down.
- Disconnect the saw when you're not using it, before cleaning, and when changing saw blades.
- The unit should only be used as a hand held tool and must never be fixed in an inverted position for use as a 'saw bench' unless with an approved B & D accessory.

Carrying and storage

- Never carry your saw by its cable.
- Never carry a plugged-in saw with your finger on the switch.
- Store your saw in a dry place.
- Store your saw in a high or locked-up place, out of reach of children.

Plug and cable

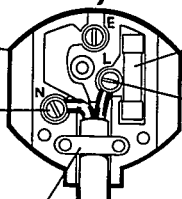
- Don't tug at the cable to pull the plug from the socket.
- Keep the cable away from heat, oil, sharp edges and rough surfaces and ensure it is in good condition.

Tool, as supplied, is suitable to attach to normal 240V 10A supply in Australia.

Electrical connection (U.K. Market)

Fit a rubber covered plug

Connect Blue to N/Neutral



Fit a 3 amp fuse

Connect Brown to L/Live

Make sure that the outer sheath of the cable is held firmly by the clamp.



240 Volts
AC only
Never use
a light socket.

AS A GENERAL GUIDE TO FITTING ANY PLUG

- Ensure the lengths of wire inside the plug are prepared correctly.
- Connections should be firmly made after all conductor strands are entered into the termination posts.
- When preparing the cable ends take care not to damage the outer sheath or the insulation surrounding the inner conductors.
- Tighten all screws.
- Replace top cover of plug and secure.

Extension cable (U.K. User)

You can use up to 100ft (30 metres) of Black & Decker extension cable without undue loss of power. Do not use any appliance requiring an earth wire on a 2-core extension cable. Make sure that the socket is fitted to the extension and plug is fitted to the saw.

☐ Double insulation

Your saw is double insulated. This means that all the external metal parts are electrically insulated from the mains. This is done by placing insulation barriers between the electrical and mechanical components making it unnecessary for the saw to be earthed.

Electrical Safety (U.K. User)

Voltage – Make sure that your machine is correct for your supply. The voltage of this machine is on the Rating Plate.

1. The cable fitted to your machine is of two core construction. The leads at the end of the cable are not prepared for any specific type of plug.

Features of the Electric Saw (Illus. 1)

- | | |
|---|-------------------------------|
| ① BLADE HOLDER | ⑥ OFF/ON SWITCH |
| ② BLADE SUPPORT ROLLER | ⑦ DUST EXTRACTION FACILITY |
| ③ SAFETY GUARD | ⑧ SHOE PLATE |
| ④ SPEED CONTROL (ELECTRONIC FEEDBACK MODELS ONLY) | ⑨ / ⑩ RIGHT ANGLE BLADE CLAMP |
| ⑤ LOCK-ON BUTTON | ⑪ JIGSAW BLADE |

Fitting the saw blade

Slacken the screws marked (A) and insert the blade (supplied) as far as it will go, teeth going forward (Illus. 2). Re-tighten the screws firmly to secure the blade.

To achieve a greater variety of applications, some electric saws also have a right angle blade fitting. This allows the teeth of the blade to face right or left (Illus. 3). To fit this alternative clamp, first remove the standard clamp

by removing the two screws marked (A) (Illus. 2) and then fit the right-angle clamp (9) (Illus. 1) ensuring that the identification rib (10) (Illus. 1) is pointing towards the top of the unit. The blade can now be inserted into its location and the clamp fully tightened.

NOTE – When using this alternative clamp, the blade supporter roller (2) (Illus. 1) must be adjusted away from the blade by loosening the slot headed screw on the side of the jigsaw (C) (Illus. 9), adjusting the roller as necessary and retightening the screw.

Switch operation

To operate the tool, squeeze the switch (Illus. 4). While pressure is maintained the tool will run, but as soon as pressure is released, the power is cut off and the tool

will stop. When continuous operation is required, squeeze trigger, depress lock on button in the side of the handle and release the trigger. To disengage lock simply squeeze and release the trigger. Always disengage lock before disconnecting the plug from the power supply. Be sure switch is NOT locked 'on' before plugging in saw.

Electronic feedback saws

Some electric saws are fitted with an electronic feedback speed control. This is in the form of a rotary thumbwheel, located on the top handle surface and varies the speed in a smooth stepless fashion (Illus. 4). The electronic feedback speed feature gives the unit additional flexibility for cutting difficult materials and round tight corners.

The control operates on the electronic feedback principle, which means that, within reasonable load limits, the speed is maintained constant irrespective of the load applied. The control can either be preset before the trigger switch is depressed or varied during a cutting operation. The control wheel is graduated from 1 – Max. Opposite is a chart showing suggested speeds for different materials. The exact speed does however depend on the correct choice of blade, the sharpness of the blade, the material thickness and the use of a lubricant where applicable. Material properties vary widely, and as such the best cutting speed can only be finally determined by trying a test piece.

Material	Speed Settings						
	1	2	3	4	5	6	Max
Softwoods							
Hardwoods							
Plywood/Chipboard							
Aluminium (Soft Non Ferrous Metals							
Steel							
Hard Steels (e.g. Stainless)							
Fibreglass							
Gen. Plastics (inc. Laminates)							
Rubber							
Ceramic Tiles							

Adjusting the Shoe

CUTTING ANGLE

The electric saw shoe can be angled relative to the body of the unit from 0° -45° on either side (Illus. 5). To achieve this, slacken both screws marked B (Illus. 6) and tilt the saw to the required angle relative to the shoe. The edge of the motor housing is the datum line for the required angle. Tighten both screws marked B to secure the shoe at that angle. Although the set scale on the shoe is accurate for most purposes it is advisable, for very accurate angle cutting to check the angle of cut with a protractor. For

flush cutting the shoe should be locked in the 0° position by moving it backwards and tightening both screws marked B. To reset the shoe for a square cut, slacken the clamp screws and move the shoe until it is approximately 90° to the blade, and then, whilst applying slight forward pressure on the shoe, retighten the clamp screws.

SPLINTER CONTROL

When sawing brittle or thin pieces of wood, splintering can be reduced by moving the shoe to support the wood at the point of cut. To achieve this, slacken both screws marked B (Illus 6) and move the shoe as far back as it will go. Tighten both screws marked B to secure the shoe.

Safety guard and blade support roller (where fitted)

As an added safety feature, your electric saw is fitted with a guard which protects the user when the saw is in use. To operate the safety guard, simply press on the front surface of the guard and slide it up or down as far as it will go (Illus. 7 & 8). (Note: when cutting at an angle as illustrated earlier, always keep the safety guard in the 'up' position. From time to time this safety guard will require cleaning. To do this first remove the shoe by removing the two screws illustrated. The guard is then removed and must be cleaned

using warm soapy water.

To provide greater blade support some electric saws are also fitted with a blade support roller (Illus. 9). This improves the cutting performance when the electric saw is used on tougher materials. Each time the saw blade is changed, the blade support roller must be adjusted up to the rear of the blade. To do this loosen the slot headed screw on the side of the jigsaw (C) and adjust the blade support roller as necessary, then re-tighten the screw.

Dust extraction

In order to improve dust extraction from the working surface, the electric saw has a saw dust blowing system which clears dust from the cutting line. In addition a

vacuum cleaner adaptor (A5642), can be used to connect to an ordinary household vacuum cleaner (Illus. 10). The adaptor is fitted into the outlet position at the rear of the saw. The vacuum extraction system will work most effectively when the safety guard is in the down position.

HINTS ON USE

Pocket cutting

The saw blade can be inserted directly into a wood surface without first drilling a pilot hole (Illus. 11) thus eliminating a drilling operation. First measure and clearly mark the surface to be cut. Then tip the saw forward so that the rounded tips of the shoe rest on the work surface, but with the blade well clear of it. Switch ON and move the saw in its 'tilted-up' position until the moving blade is exactly over the chosen point of entry. Lower the rear of the shoe toward the work maintaining a firm pivoting pressure on the shoe tips with the blade exactly on the line. DO NOT MOVE THE SAW FORWARD

ALONG ITS CUT until the saw blade has completely entered the material and the shoe comes to rest flat on its surface.

Metal and laminated cutting

CUTTING METAL

The electric saw can be used for cutting light gauge ferrous sheet and non-ferrous metals such as copper, brass aluminium, etc. It is advisable when cutting thin sheet to clamp a backing sheet of soft wood or ply-wood to the work as this will enable you to obtain a clean cut without vibration and the possibility of tearing the metal. Both metal and wood backing are sawn together. Do not force the cutting blade into the metal as this will reduce the life of the blade and possibly damage the motor.

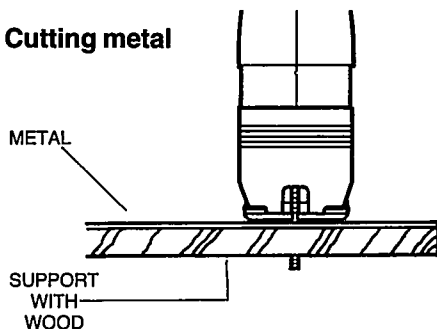
Cutting thin metal will take longer than cutting even a relatively thick piece of wood, so do not be tempted to speed up the operation by forcing the saw. Spread a thin film of oil along the proposed cutting line before commencing to saw metal. Always select the right blade for the job (see Accessories).

CUTTING LAMINATES

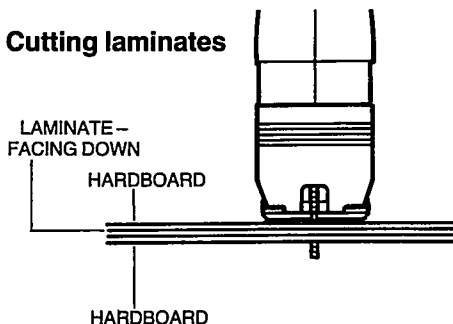
The blades of the electric saw cut on the upstroke so any tendency for edge splintering will occur on the face of the material nearest the saw shoe. When sawing thin wood or plastic laminates use a fine tooth metal cutting blade and cut from the back surface of the material.

To minimise the risk of chipping the edges of plastic laminate (such as Formica, Waverite, etc), clamp a piece of scrap wood or hardboard to both sides of the laminate to form a sandwich, and saw through the complete assembly. Always select the right blade for the job (see Accessories).

Cutting metal

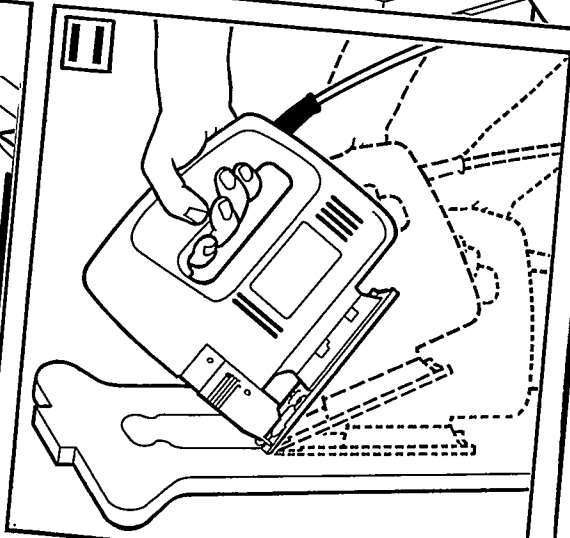
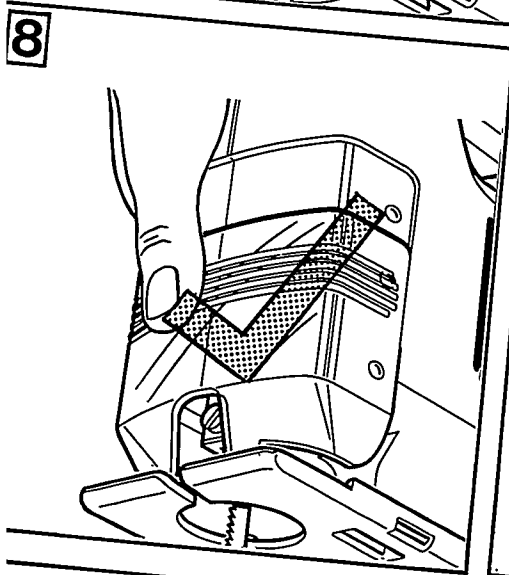
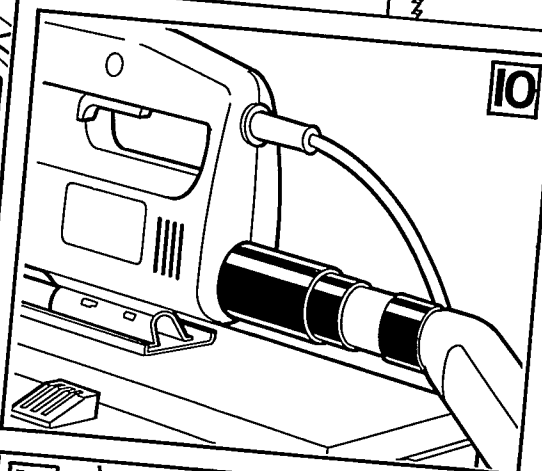
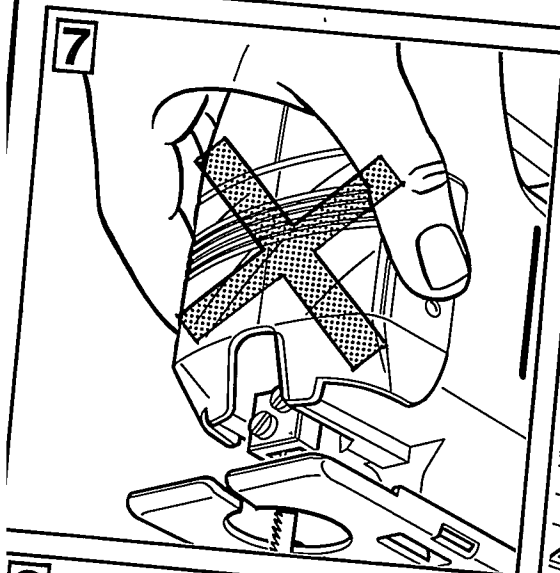
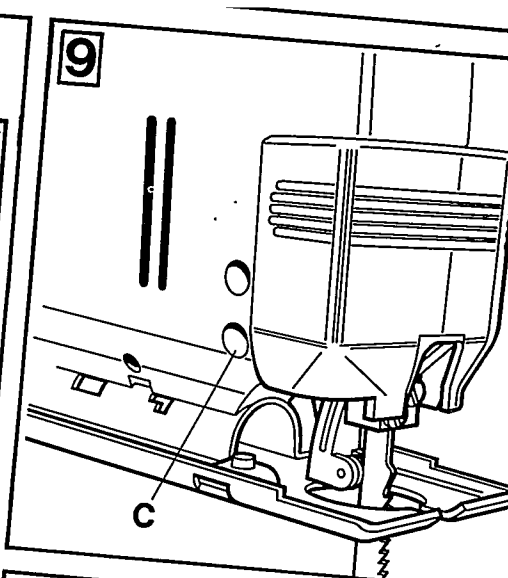
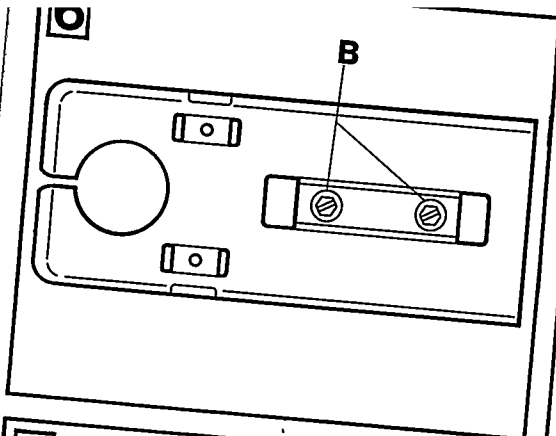


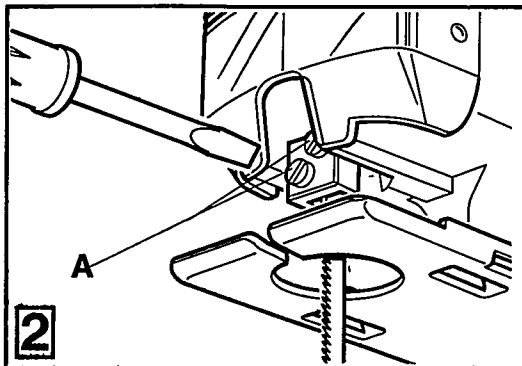
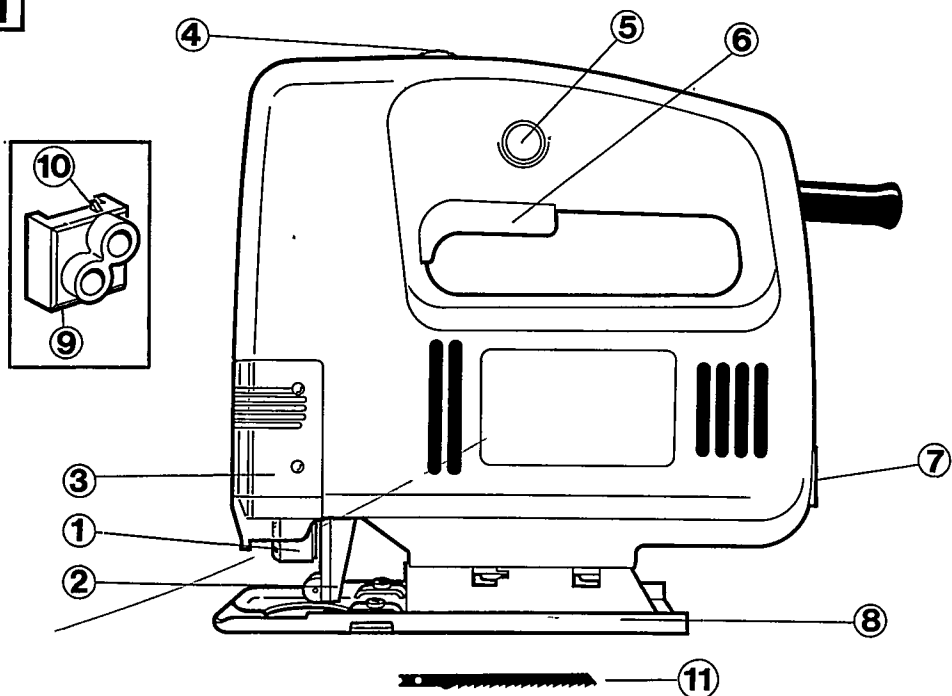
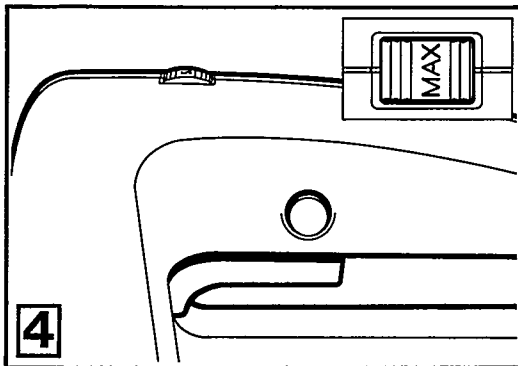
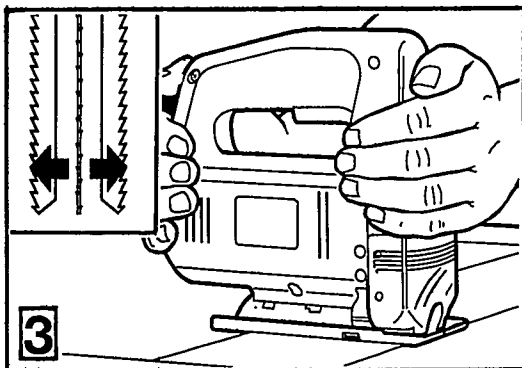
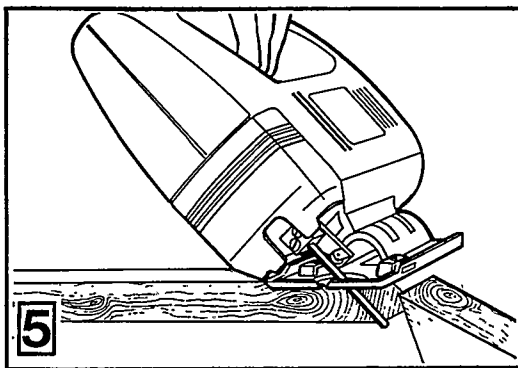
Cutting laminates











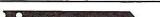



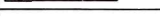
Cleaning

Use only mild soap and a slightly damp cloth to clean the saw. Many household cleaners contain chemicals which could seriously damage the plastic. Also, do not use petrol, turpentine, lacquer or paint thinners or similar product. Never let any liquid get inside the tool and never immerse any part of the tool into liquid.









1**2****4****3****5**

AVAILABLE ACCESSORIES

	Blade Type	Blade Length	Pack Qty.	Cat. No.
General Purpose Blades				
	Double Edged	75mm (2 3/4")	1	A5031
Wood Cutting Blades				
	General Purpose	100mm (4")	3	A5038
	General Purpose	80mm (3")	3	A5043
	Coarse Cutting	80mm (3")	3	A5044
	Smooth Cutting	100mm (4")	3	A5035
	Smooth Cutting	80mm (3")	3	A5041
	Fast Cutting	100mm (4")	3	A5037
	Fast Cutting	80mm (3")	3	A5045
	Fast Fine Cutting	80mm (3")	3	A5042
	Plywood & Plastic Cutting*	80mm (3")	3	A5046
Metal Cutting Blades				
	General Purpose	70mm (2 3/4")	3	A5039
	Fine Cutting	70mm (2 3/4")	3	A5040
	Coarse Cutting	70mm (2 3/4")	3	A5034

* Blade length change introduced as a running change during 1983

	Blade Type	Blade Length	Pack Qty.	Cat. No.
Special Cutting Blades				
	Knife Cutting	80mm (3")	3	A5032
	Scroll Cutting	70mm (2 3/4")	3	A5033
	Flush Cutting	100mm (4")	2	A5047
Carbide Edge Blades - Long Life				
	Fine Cutting	80mm (3")	1	A5190
	Medium Cutting	80mm (3")	1	A5191
	Coarse Cutting	80mm (3")	1	A5192
Selection and Bonus Jigsaw Blade Packs				
Selection Pack of 3 Blades - Contains one each of A5034, A5041, A5042				A5022
Selection Pack of 5 Blades - Contains one each of A5034, A5039, A5040, A5043, A5044				A5025
Bonus Pack of 9 Blades - Contains 3 each of A5034, A5041, A5042				A5159
Pack of 8 blades with a storage unit.				A5023
Premium cutting blade for wood.				A5194
Rip fence kit.				A5150
Vacuum cleaner adapter.				A5642

AFTER SALES SERVICE

IF YOUR MACHINE NEEDS REPAIR

Information on how and where to send your machine for repair or service is given on your guarantee card. We recommend that you keep this card in a safe place.



BLACK&DECKER
TM

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