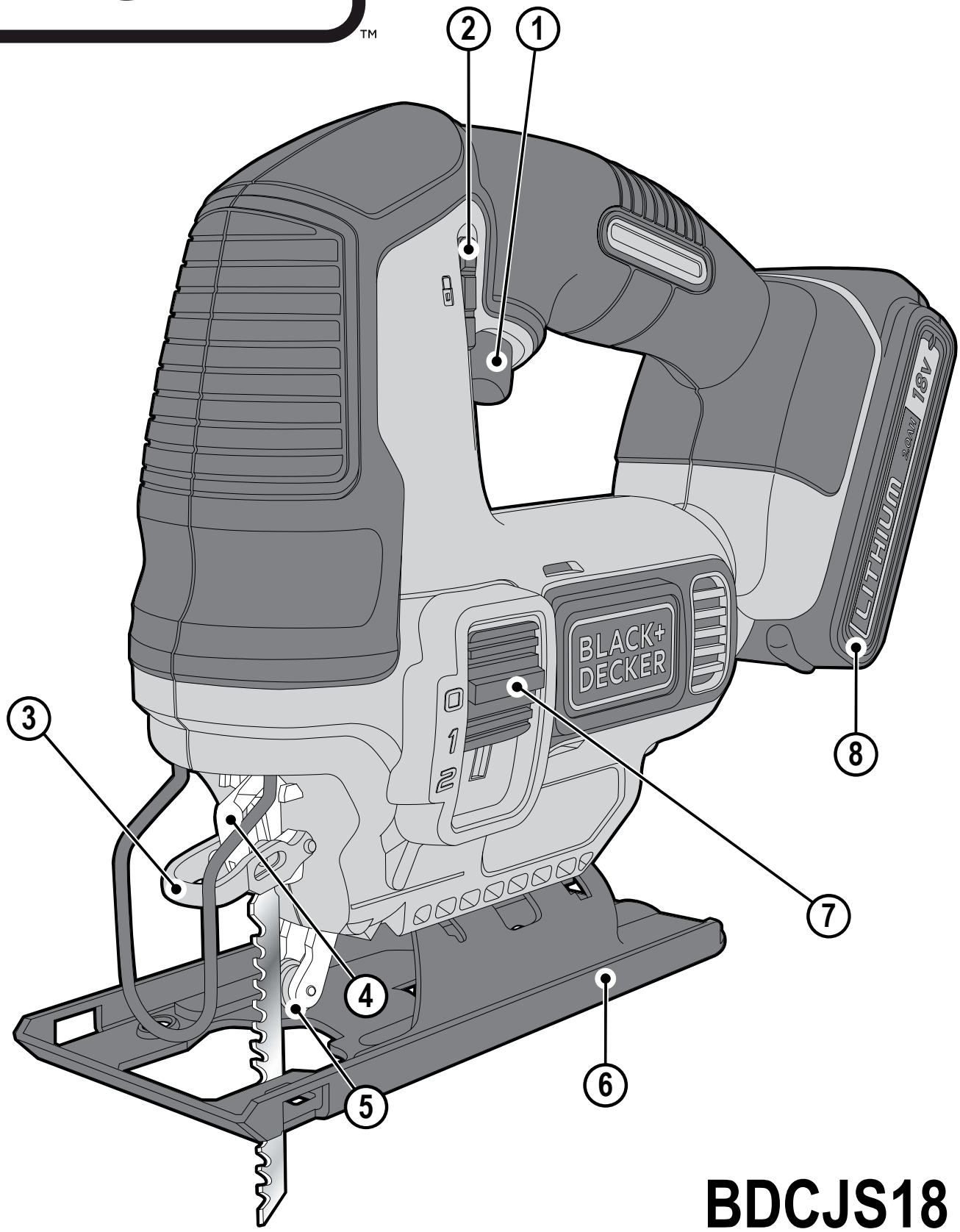
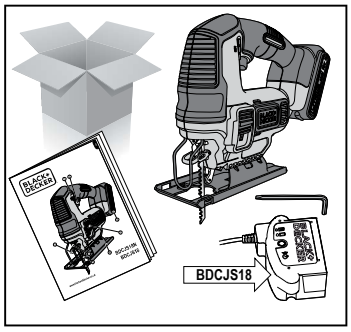
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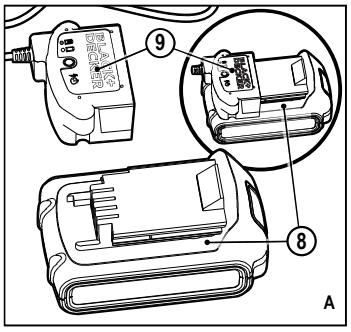
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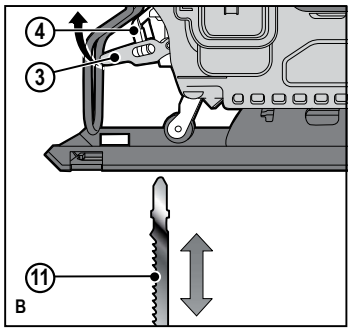


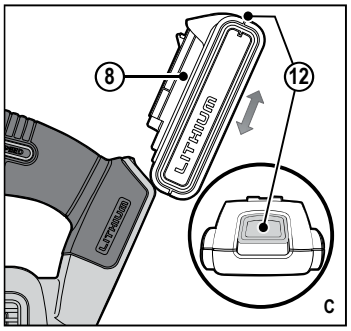
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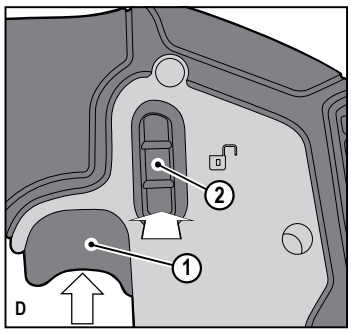
www.blackanddecker.co.uk

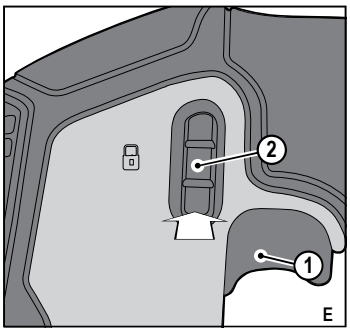

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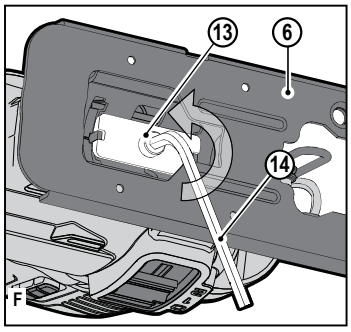

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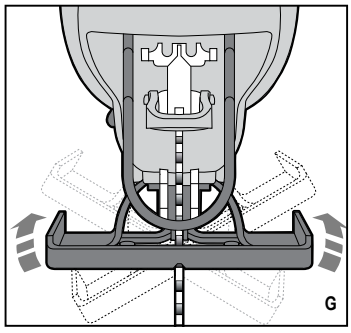

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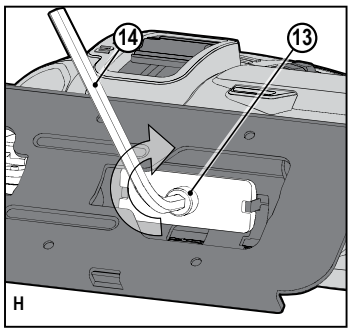

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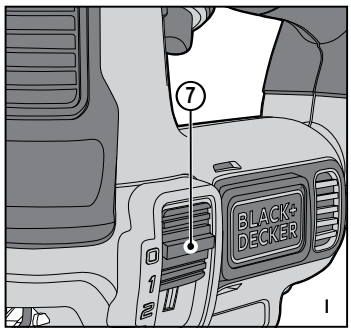

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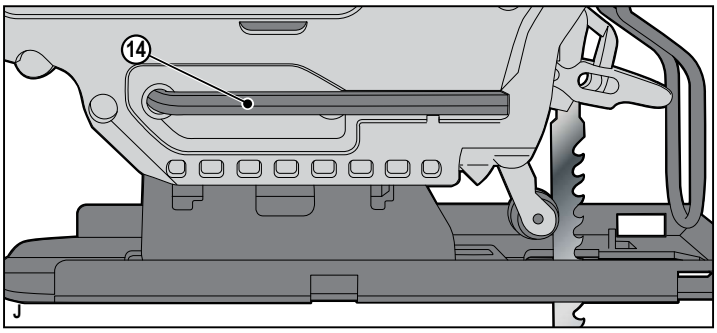

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G


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H


7
BLACK+DECKER
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14
J

Intended use

Your BLACK+DECKER™ BDCJS18 jigsaw has been designed for sawing wood, plastics and sheet metal. 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**

a. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

b. **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.

c. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2. **Electrical safety**

a. **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.

b. **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.

c. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

d. **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.

e. **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.

f. **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**

a. **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.

b. **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.

c. **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.

d. **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.

e. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

f. **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.

g. **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. **Battery tool use and care**

a. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.

c. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.

d. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

6. **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.

Additional power tool safety warnings

Warning! Additional safety warnings for jigsaws and reciprocating saws

- **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- **Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body leaves it unstable and may lead to loss of control.
- **Keep hands away from cutting area.** Never reach underneath the work piece any reason. Do not insert fingers or thumb into the vicinity of the reciprocating blade and blade clamp. Do not stabilize the saw by gripping the shoe.
- **Keep blades sharp.** Dull or damaged blades may cause the saw to swerve or stall under pressure. Always use the appropriate type of saw blade for the workpiece material and type of cut.
- **When cutting pipe or conduit, make sure that they are free from water, electrical wiring, etc.**
- **Do not touch the workpiece or the blade immediately after operating the tool.** They can become very hot.
- **Be aware of hidden hazards, before cutting into walls, floors or ceilings, check for the location of wiring and pipes.**
- **The blade will continue to move after releasing the switch.** Always switch the tool off and wait for the saw blade to come to a complete standstill before putting the tool down.

Warning! Contact with, or inhalation of dusts arising from cutting applications may endanger the health of the operator and possible bystanders. Wear a dust mask specifically designed for protection against dust and fumes and ensure that persons within or entering the work area are also protected.

- The intended use is described in this instruction manual.
- 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 and/or damage to property.

Safety of others

- This tool is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

Residual risks

Additional residual risks may arise when using the tool which may not be included in the enclosed safety warnings. These risks can arise from misuse, prolonged use etc.
Even with the application of the relevant safety regulations and the implementation of safety devices, certain residual risks can not be avoided. These include:

- Injuries caused by touching any rotating/moving parts.
- Injuries caused when changing any parts, blades or accessories.

- Injuries caused by prolonged use of a tool. When using any tool for prolonged periods ensure you take regular breaks.
- Impairment of hearing.
- Health hazards caused by breathing dust developed when using your tool (example:- working with wood, especially oak, beech and MDF.)

Vibration

The declared vibration emission values stated in the technical data and the declaration of conformity have been measured in accordance with a standard test method provided by EN 60745 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 value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used. The vibration level may increase above the level stated.

When assessing vibration exposure to determine safety measures required by 2002/44/EC to protect persons regularly using power tools in employment, an estimation of vibration exposure should consider, the actual conditions of use and the way the tool is used, including 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.

Labels on tool

The following pictograms along with the date code are shown on the tool:



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

Additional safety instructions for batteries and chargers

Batteries

- Never attempt to open for any reason.
- Do not expose the battery to water.
- Do not store in locations where the temperature may exceed 40 °C.
- Charge only at ambient temperatures between 10 °C and 40 °C.
- Charge only using the charger provided with the tool.
- When disposing of batteries, follow the instructions given in the section "Protecting the environment".



Do not attempt to charge damaged batteries.

Chargers

- Use your BLACK+DECKER charger only to charge the battery in the tool with which it was supplied. Other batteries could burst, causing personal injury and damage.
- Never attempt to charge non-rechargeable batteries.
- Have defective cords replaced immediately.
- Do not expose the charger to water.
- Do not open the charger.
- Do not probe the charger.



The charger is intended for indoor use only.



Read the instruction manual before use.

Electrical safety



Your charger is double insulated; therefore no earth wire is required. Always check that the mains voltage corresponds to the voltage on the rating plate. Never attempt to replace the charger unit with a regular mains plug.

- 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.

Features

The following symbols along with the date code are shown on the tool:

1. Variable speed trigger switch
2. Lock-off button
3. Saw blade locking lever
4. Blade clamp
5. Blade support roller
6. Shoe plate
7. Cutting action button

fig. A (BDCJS18 only)

This tool includes some or all of the following features.

8. Battery
9. Battery Charger

Assembly

Warning! Before assembly, remove the battery from the tool and make sure that the saw blade has stopped. Used saw blades may be hot.

Fitting and removing the saw blade (fig. B)

- Hold the saw blade (11) with the teeth facing forward.
- Lift the saw blade locking lever (3) upwards.
- Insert the shank of the blade fully into the blade clamp (4) as far as it will go.
- Release the lever.

- To remove the saw blade (11), lift the saw blade locking lever (3) upwards and pull the blade out.

Fitting and removing the battery (fig. C)

- To fit the battery (8), line it up with the receptacle on the tool. Slide the battery into the receptacle and push until the battery snaps into place.
- To remove the battery, push the release button (12) while at the same time pulling the battery out of the receptacle.

Use

Warning! Let the tool work at its own pace. Do not overload.
Warning! Never use the tool when the saw shoe is loose or removed.

Charging the battery (fig. A)

The battery needs to be charged before first use and whenever it fails to produce sufficient power on jobs that were easily
done before. The battery may become warm while charging; this is normal and does not indicate a problem.
Warning! Do not charge the battery at ambient temperatures below 10 °C or above 40 °C. Recommended charging temperature: approx. 24 °C.
Note: The charger will not charge a battery if the cell temperature is below approximately 10 °C or above 40 °C. The battery should be left in the charger and the charger will begin to charge automatically when the cell temperature warms up or cools down.

- To charge the battery (8), insert it into the charger (9). The battery will only fit into the charger in one way. Do not force. Be sure that the battery is fully seated in the charger.
- Plug in the charger and switch on at the mains. The charging indicator will blink. The charge is complete when the charging indicator switches to continuously on.
- The charger and the battery can be left connected indefinitely.
- Charge discharged batteries within 1 week. Battery life will be greatly diminished if stored in a discharged state.

Leaving the battery in the charger

The charger and battery pack can be left connected with the LED glowing indefinitely. The charger will keep the battery pack fresh and fully charged.

Charger diagnostics

If the charger detects a weak or damaged battery, the charging indicator will flash red at a fast rate. Proceed as follows:

- Re-insert the battery (8).
- If the charging indicators continues flashing red at a fast rate, use a different battery to determine if the charging process works properly.
- If the replaced battery charges correctly, the original battery is defective and should be returned to a service centre for recycling.
- If the new battery gives the same indication as the original battery, take the charger to be tested at an authorised services centre.

Note: It may take as long as 30 minutes to determine that the battery is defective. If the battery is too hot or too cold, the LED will alternately blink red, fast and slow, one flash at each speed and repeat.

Switching on and off (fig. D & E)

- To switch on, slide the lock off switch (2) to the left then pull and hold the variable speed trigger switch (1).
- To switch off, release the trigger switch (1).

Warning! Do not switch the tool on or off while under load.
Warning! Always slide the lock off switch (2) to the right, the locked position when the tool is not in use.

Variable speed control

The variable speed on/off switch offers a choice of speeds for greatly improved cutting rates in various materials.

- The speed is determined by the amount the trigger switch (1) is pulled.

Bevel cutting (fig. F, G & H)

The shoe plate can be set to a left or right bevel angle of 22.5° or 45°.

To set the bevel angle:

- Loosen the shoe retaining bolt (13) with the hex key provided (14) to unlock the shoe plate (6).
- Slide the shoe plate (6) forward to release it from the 0° detent.
- Rotate the shoe plate to the desired bevel angle (fig. G).
- Slide the shoe plate backwards to engage the left or right detent.
- Tighten the shoe retaining bolt (13) with the hex key provided (14) to lock the shoe plate (6) in the required position.

Note: The shoe can be beveled to the left or to the right and has detents at 22.5° and 45°.

Cutting action (fig. I)

This jig saw is equipped with three cutting actions, two orbital and one straight. Orbital action has a more aggressive blade motion and is designed for cutting in soft materials like wood or plastic. Orbital action provides a faster cut, but with a less smooth cut across the material. In orbital action, the blade

moves forward during the cutting stroke in addition to the up and down motion.
Warning! Metal or hardwoods should never be cut in orbital action.
- Slide the cutting action button (7) between the three cutting positions: 0, 1 and 2.
- Position 0 is for straight cutting.
- Positions 1 and 2 are for orbital cutting.
- The aggressiveness of the cut increases as the lever is adjusted from one to two, with two being the most aggressive cut.

Sawing
- Always hold the tool with both hands.
- Let the blade run freely for a few seconds before starting the cut.
- Apply only a gentle pressure to the tool while performing the cut.
- If possible, work with the shoe plate (6) pressed against the workpiece. This will improve tool control and reduce tool vibration, as well as prevent the blade from being damaged.

Hints for optimum use

General
- Use a high speed for wood, a medium speed for aluminium and PVC and a low speed for metals other than aluminium.

Sawing laminates
As the saw blade cuts on the upward stroke, splintering may occur on the surface closest to the shoe plate.
- Use a fine-tooth saw blade.
- Saw from the back surface of the workpiece.
- To minimise splintering, clamp a piece of scrap wood or hardboard to both sides of the workpiece and saw through this sandwich.

Sawing metal
Be aware that sawing metal takes much more time than sawing wood.
- Use a saw blade suitable for sawing metal. Use a finetooth saw blade for ferrous metals and a coarser saw blade for non-ferrous metals.
- When cutting thin sheet metal, clamp a piece of scrap wood to the back surface of the workpiece and cut through this sandwich.
- Spread a film of oil along the intended line of cut.

Accessories
The performance of your tool depends on the accessory used. BLACK+DECKER 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.
This tool is suitable both for U-shank and T-shank saw blades.

Maintenance
Your 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, switch off and unplug the tool.
- Regularly clean the ventilation slots in your tool and charger 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.
- Occasionally apply a drop of oil to the axle of the blade support roller (5).

Mains plug replacement (U.K. & Ireland only)
If a new mains plug needs to be fitted:
- Safely dispose of the old plug.
- Connect the brown lead to the live terminal in the new plug.
- Connect the blue lead to the neutral terminal.

Warning! No connection is to be made to the earth terminal.
Follow the fitting instructions supplied with good quality plugs.
Recommended fuse: 5 A.

Protecting the environment
Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.
Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials.
Please recycle electrical products and batteries according to local provisions. Further information is available at www.2helpU.com

Technical Data

		BDCJS18 H1
Voltage	V_{dc}	18
No-load speed	min^{-1}	0-2500
Stroke length	mm	19
Max depth of cut:		
Wood	mm	55
Steel	mm	8
Aluminium	mm	20
Weight	Kg	1.87

Charger		905902**/N4940**	905998**/906349**
Input voltage	V_{AC}	100-240	220-240
Output voltage	V_{DC}	8-20	8-20
Current	mA	400	1000
Approx. charge time	Hours	3-11	1.5-5

Battery		BL2018*	BL2518*	BL1518*	BL4018
Voltage	V_{DC}	18	18	18	18
Capacity	Ah	2.0	2.5	1.5	4.0
Type		Li-Ion	Li-Ion	Li-Ion	Li-Ion

Level of sound pressure according to EN60745:
L_{pA} (sound pressure) 84.5 dB(A), Uncertainty (K) 3 dB(A)
L_{WA} (sound power) 95.5 dB(A), Uncertainty (K) 3 dB(A)

Vibration total values (triax vector sum) according to EN 60745:
Cutting boards ($a_{h,B}$) 6 m/s^2, uncertainty (K) 1.5 m/s^2
Cutting sheet metal ($a_{h,M}$) 4.3 m/s^2, uncertainty (K) 1.5 m/s^2

EC declaration of conformity

MACHINERY DIRECTIVE

CE

Cordless Jigsaw - BDCJS18

Black & Decker declares that these products described under "technical data" are in compliance with:
EN60745-1:2009+A11:2010, EN60745-2-11:2010

These products also comply with Directive 2006/42/EC, 2014/30/EU and 2011/65/EU.

For more information, please contact Black & Decker at the following address or refer to the back of the manual.

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of Black & Decker.



R.Laverick
Director of Engineering
Black & Decker Europe, 210 Bath Road, Slough,
Berkshire, SL1 3YD
United Kingdom
19/10/2018

Guarantee
Black & Decker is confident of the quality of its products and offers consumers a 24 month guarantee from the date of purchase. This guarantee 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.

To claim on the guarantee, the claim must be in accordance with Black & Decker Terms and Conditions and you will need to submit proof of purchase to the seller or an authorised repair agent. Terms and conditions of the Black&Decker 2 year guarantee and the location of your nearest authorised repair agent can be obtained on the Internet at www.2helpU.com, or by contacting your local Black & Decker office at the address indicated in this manual.

Please visit our website www.blackanddecker.co.uk to register your new Black & Decker product and receive updates on new products and special offers.

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