

Erbauer®



ERB389JSW

2Year
Guarantee

710W JIGSAW

Original Instructions
(Version 2.0)

Erbauer®

Congratulations on your purchase of a quality power tool from Erbauer (UK) Ltd. This product should give you reliable service but for your peace of mind this **Erbauer** power tool does carry a 2 year guarantee, the terms of which are detailed below.

If this product develops a fault within the guarantee period contact your retailer.

Please retain this handbook in case you need to refer to safety, care or guarantee information in the future.

GUARANTEE

This **Erbauer** product carries a 2 year guarantee. If your product develops a fault within this period, you should in the first instance contact the retailer where the item was purchased.

This guarantee specifically excludes losses caused due to:

- Fair wear and tear
- Misuse or abuse
- Lack of routine maintenance
- Failure of consumable items (such as batteries)
- Accidental damage
- Cosmetic damage
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

This guarantee does not affect your statutory rights. This guarantee is only valid in the UK.

For further technical advice, spare parts or repair service (outside of guarantee) please contact the customer helpline number on 0345 607 6380.

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GENERAL POWER TOOL SAFETY WARNINGS

 **Warning! Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings 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

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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 tool's 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) If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

ADDITIONAL SAFETY POINTS FOR YOUR JIGSAW

1. **Always wear a dust mask.**
2. **Hold power tool by insulated gripping surfaces, 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 could give the operator an electric shock.
3. **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.
4. **Always wear safety glasses or eye shields when using the jig saw. Everyday eyeglasses have only impact-resistant lenses; they are NOT safety glasses.** Following this rule will reduce the risk of serious personal injury.
5. **Always wear hearing protection during extended periods of operation.** Following this rule will reduce the risk of serious personal injury.
6. **Keep your hands away from cutting area.** Do not reach under the material being cut because the nearness of the blade to your hand is hidden from your sight.
7. **Do not use dull or damaged blades.** Bent blades can break easily, or cause kickback.
8. Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.
9. Fully unwind cable drum extensions to avoid potential overheating.
10. When an extension cable is required you must ensure it has the correct ampere rating for your power tool and is in a safe electrical condition.
11. Ensure your mains supply voltage is the same as indicated on the rating plate.
12. Your tool is double insulated for additional protection against a possible electrical insulation failure within the tool. 
13. Always check walls, floors and ceilings to avoid hidden power cables and pipes.
14. After long working period, external metal parts and accessories could be hot.

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15. Only withdraw the blade from the cut when the blade has been stopped moving.
16. The pivoting blade foot must be held firmly against the material being cut to reduce saw vibration, blade jumping and blade breakage.
17. Before cutting, check the cutting line is free of nails, screws, etc.
18. If possible, ensure the work-piece is firmly clamped to prevent movement.
19. Never stop the cutting blade by applying side pressure to the blade.



Warning:

Some dust particles created by power sanding, sawing, grinding, drilling and other construction jobs contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals.

- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter microscopic particles.

VIBRATION

The European Physical Agents (Vibration) Directive has been brought in to help reduce hand arm vibration syndrome injuries to power tool users. The directive requires power tool manufacturers and suppliers to provide indicative vibration test results to enable users to make informed decisions as to the period of time a power tool can be used safely on a daily basis and the choice of tool.

Further Advice can be found at www.hse.gov.uk

Vibration total values (triax vector sum) determined according to EN 60745:	
Cutting wood	Vibration emission value $a_h = 13.9\text{m/s}^2$
	Uncertainty $K = 1.5\text{m/s}^2$
Cutting sheet metal	Vibration emission value $a_h = 11.5\text{m/s}^2$
	Uncertainty $K = 1.5\text{m/s}^2$

The declared vibration emission value should be used as a minimum level and should be used with the current guidance on vibration.

Calculating the actual period of the actual period off use can be difficult and the HSE website has further information.

The declared vibration emission been measured in accordance with a standardised test stated above and may be used to compare one tool with another tool.

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 dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

The use the correct accessory for the tool and ensuring it is sharp and in good condition.

The tightness of the grip on the handles.

And the tool is being used as intended by its design and these instructions.

While working with this power tool, hand/arm vibrations occur. Adopt the correct working practices in order to reduce the exposure to vibration.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

 **Warning:** Identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (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).Note The use of other tools will reduce the users' total working period on this tool.

Helping to minimise your vibration exposure risk.

ALWAYS use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

Avoid using tools in temperatures of 10°C or less.

Plan your work schedule to spread any high vibration tool use across a number of days.

Health Surveillance

All employees should be part of an employer's health surveillance scheme to help identify any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.

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.

Important note

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.

Remove the mains plug from socket before carrying out, any adjustment or servicing.

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SYMBOLS



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



Warning



Double insulation



Wear ear protection



Wear eye protection

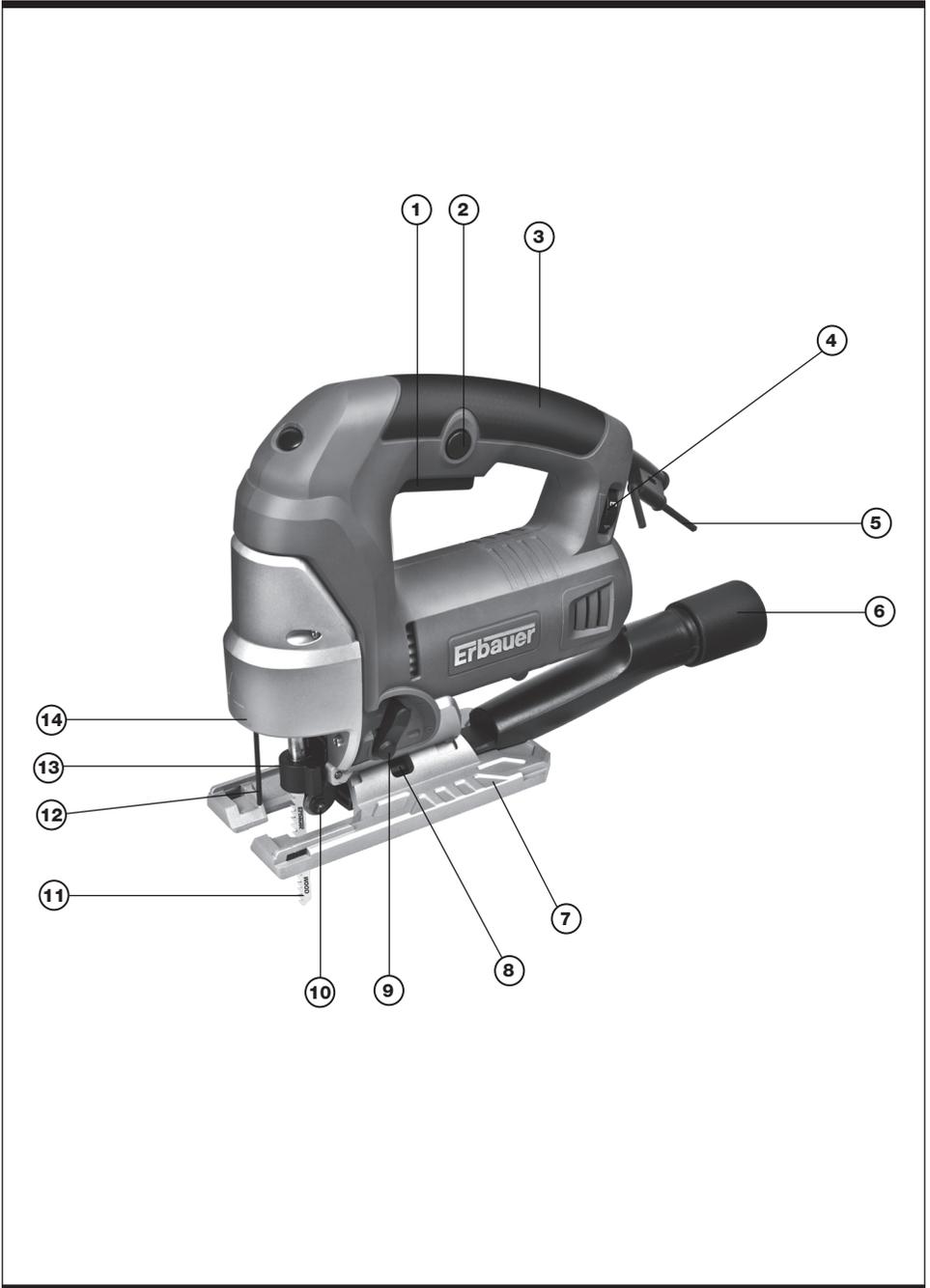


Wear dust mask



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

yyWxx Manufacturing date code; Year of manufacturing (20yy) and week of manufacturing (Wxx);



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-
1. ON/OFF SWITCH

 2. SWITCH LOCK-ON BUTTON

 3. HAND GRIP AREAS

 4. VARIABLE SPEED CONTROL

 5. HEX KEY

 6. DUST TUBE

 7. BASE PLATE

 8. ANGLE PLATE

 9. PENDULUM ACTION CONTROL

 10. ROLLER GUIDE

 11. SAW BLADE

 12. FINGER PROTECTION

 13. TOOL-FREE BLADE HOLDER

 14. WORK LIGHT

 15. PARALLEL GUIDE (See Fig. 6-1, 6-2)
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TECHNICAL DATA

Voltage	230-240V~50Hz
Power input	710W
No load speed	800-2800/min
Stroke length	24mm
Bevel capacity	0~45°, L&R
Cutting capacity, max.	
Wood	120mm
Aluminum	20mm
Steel	10mm
Protection class	
Machine weight	2.5kg

NOISE DATA

Sound pressure level:	L_{pA} : 93dB(A)	K_{pA} : 3.0dB(A)
Sound power level:	L_{wA} : 104dB(A)	K_{wA} : 3.0dB(A)
Wear ear protection when sound pressure is over		80dB(A)



ACCESSORIES

Parallel guide	1pc
Hex key	1pc
Dust tube	1pc
Wood cutting blade	2pcs
Aluminum cutting blade	2pcs
Metal cutting blade	2pcs

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OPERATION INSTRUCTIONS



NOTE: Before using the tool, read the instruction book carefully.

INTENDED USE:

The machine is intended for sawing wood, plastic, metal and building materials while resting firmly on the workpiece. It is suitable for straight and curved cuts with bevel angles to 45°. The saw blade recommendations are to be observed.

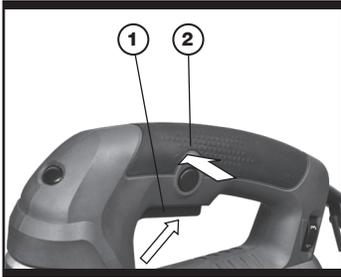


Fig 1



Fig 2

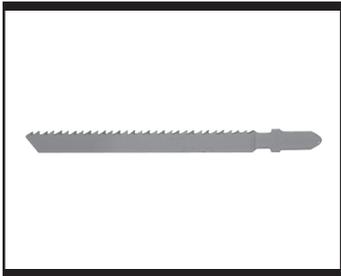


Fig 3

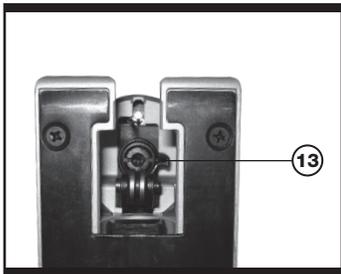


Fig 4

1. ON/OFF SWITCH

Depress to start and release to stop your tool.

2. SWITCH LOCK-ON BUTTON

Depress on/off switch (1) then lock-on button (2) (See Fig.1), release on/off switch first then lock-on button second. Your switch is now locked on for continuous use. To switch off your tool just depress and release on/off switch.

3. VARIABLE SPEED CONTROL

Adjust the thumb-wheel to increase or decrease the speed (See Fig.2) according to the material, material thickness and blade specification to be used (also possible during no load operation). See Chart 1 for general guidance on speed selection. Avoid prolonged use at very low speed as this may damage your jigsaw's motor.

Chart 1	
Material	Speed setting
Wood	5-6
Metal	3-4
Aluminum	3-5
PVC	3-4
Ceramic	3-5

4. HAND GRIP AREAS

Always ensure you maintain a firm grip whilst operating your jigsaw.

5. BLADE FITTING(See Fig.3, 4, 5)

You can only use the blade type shown in Fig.3.

To open the blade holder (13) rotate the ring anti-clockwise (Jigsaw upside down) and hold in position (See Fig.4). Then fully insert the blade into the blade holder slot with blade teeth facing forward and release the ring, which will self rotate and clamp over the top of the blade. Push the blade into the blade holder again to ensure it is locked in position. Ensure the edge of the blade is located in the groove of the blade guide (See Fig.5). To remove a blade, holds the blade and rotate the blade holder ring anti-clockwise then lift out the blade (blade could be spring ejected).

Warning: Blade teeth are very sharp. For best cutting results ensure you use a blade suited to the material and cut quality you need.

6. MOUNTING PARALLEL GUIDE

(See Fig.6-1, 6-2.)

First slide the parallel guide clamp (a) and locking knob (b) onto the parallel guide (15). Then slide the parallel guide arm through both parallel guide fixtures and place the clamp (a) on the fixture.

Tighten the locking knob (b) to achieve the required cutting distance. The parallel guide can be mounted in two positions as shown in F6-1 and F6-2.

7. ROLLER GUIDE

Ensure the blade is located and runs smoothly in the groove (See Fig.5) otherwise the pendulum function will not work correctly and the blade will not be supported during cutting.

8. PENDULUM ACTION CONTROL (See Fig.7)

The pendulum action varies the forward cutting angle of the blade for increased cutting efficiency. This can also be adjusted during no load running. Refer to the chart 2 for more details. Do not use excessive blade force when cutting with the pendulum action. The blade cuts on the upward stroke only.

Chart 2	
0	Thin materials. Fine cuts. Tight curves.

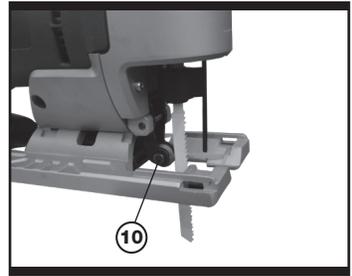


Fig 5

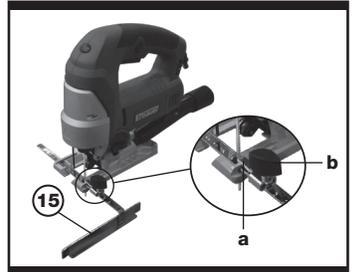


Fig 6-1



Fig 6-2

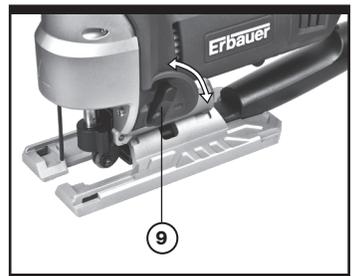


Fig 7

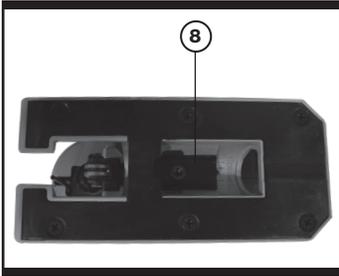


Fig 8

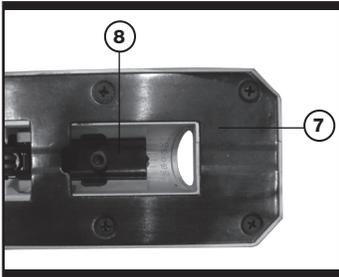


Fig 9

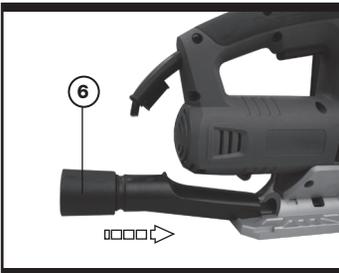


Fig 10

I	Hard materials, (e.g. steel & chipboard)
II	Thick materials (e.g. wood) & plastic
III	Fast cuts (e.g. softwood). Cutting in the

9. BASE PLATE

Adjusting the angle of the base plate (7) enables bevel cutting. The base plate must always be held firmly against the materials being cut to reduce saw vibration, blade jumping or blade breakage.

10. BASE PLATE ANGLE ADJUSTMENT

Use a Hex Key (5). Loosen the bolts securing the base plate (See Fig.8). For preset angles rotate so the lines of the angle on the base plate and angle plate (8) superposition at the desired angle (0, 15, 30, 45) (See Fig.9). For other mitre angles, rotate to your desired angle (use a protractor scale). Following one of the above procedures, hold the base plate in position and firmly tighten the bolts to clamp the base plate at that angle. Finally, check the angle and ensure the base plate is firmly clamped. The angle markings on the base plate are accurate for most general purposes but it is recommended for accurate work to set the angle with a protractor and make a test cut on other material.

11. DUST TUBE (See Fig.10)

Mount the dust tube (6) into the opening of the base plate (7). Make sure that the plastic tip of the vacuum connection engages into the corresponding opening on the housing as shown in the figure.

12. PROTECTION FINGER WIRE

The finger wire is located in front of the blade holder. Whilst working, it will help prevent accidental contact with moving blade.

13. DUST BLOWER AIR HOLE

This is a small aperture located underneath the housing just behind the blade guide. Ensure this is kept clean to allow the air flow to continually blow

dust away from the cutting area.

15. WORK LIGHT

Press the on/off switch (1), the work light(14) will illuminate. Release the on/off switch to turn off the work light.



Caution: Do not look into the strong light or see the source of light directly.

WORKING HINTS FOR YOUR JIG SAW

If your jig saw becomes too hot, especially when used at low speed, set the speed to maximum and run no Load for 2-3 minutes to cool the motor. Avoid prolonged usage at very low speeds.

GENERAL

Always use a blade suited to the material and material thickness to be cut. Always ensure the work-piece is firmly held or clamped to prevent movement. For easier control, use low speed to start cutting, then increase to correct speed. Any movement of the material may affect the quality of the cut. The blade cuts on the upward stroke and may chip the uppermost surface or face of the work piece. Ensure your uppermost surface is a non-visible surface when your work is finished.

CUTTING LAMINATES

Use a fine tooth blade when cutting most laminates and thin wood materials. To reduce edge chipping, clamp pieces of waste wood at both ends on both sides and cut through the waste wood during cutting.

CIRCLE CUTTING

Do not use the pendulum action when cutting tight circles or angles

PLUNGE SAWING

Plunge cutting may be used only on soft materials such as wood, aerated concrete, gypsum plaster boards, etc.!

Use only short saw blades.

Place the front edge of the base plate on the

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Fig 11



Fig 12

workpiece and switch on. Press the machine firmly against the workpiece and plunge the saw blade slowly into the workpiece.

As soon as the complete surface of the base plate rests on the work piece, continue to saw along the cutting line. (See Fig.11, 12)

METAL CUTTING

Use a finer tooth blade for ferrous metals and a coarse tooth blade for non-ferrous metals. When cutting thin sheet metals always clamp wood on both sides of the sheet to reduce vibration or tearing of the sheet metal. Both wood and sheet metal must be cut. Do not force the cutting blade when cutting thin metal or sheet steel as they are harder materials and will take longer to cut. Excessive blade force may reduce the life of the blade or damage the motor. To reduce heat during metal cutting, add a little lubricant along the cutting line.

MAINTENANCE

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

ENVIRONMENTAL PROTECTION

 Waste electrical products should not be disposed of with household waste. Please  recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. For further information visit www.recycle-more.co.uk

PLUG REPLACEMENT (UK & IRELAND ONLY)

If you need to replace the fitted plug then follow the instructions below.

IMPORTANT

The wires in the mains lead are colored in accordance with the following code:

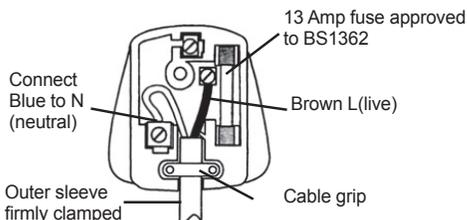
BLUE = NEUTRAL

Brown = Live

As the colors of the wires in the mains lead of this appliance may not correspond with the colored markings identifying the terminals in your plug, proceed as follows. The wire which is colored blue must be connected to the terminal which is marked with N. The wire which is colored brown must be connected to the terminal which is marked with L.

 **Warning:** Never connect live or neutral wires to the earth terminal of the plug. **Only fit an approved 13AMP BS1363/A plug and the correct rated fuse.**

Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.



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DECLARATION OF CONFORMITY

We, Importer
Erbauer (UK) Ltd BA22 8RT

Declare that the product
Description: **710W JIGSAW**
Model: **ERB389JSW**

Complies with the following Directives,
EC Machinery Directive **2006/42/EC**
EC Low Voltage Directive **2006/95/EC**
EC Electromagnetic Compatibility Directive **2004/108/EC**
Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment **2011/65/EU**
Waste Electrical and Electronic Equipment (WEEE) **2012/19/EU**

Standards and technical specifications referred to:

EN 55014-1
EN 55014-2
EN 61000-3-2
EN 61000-3-3
EN 60745-1
EN 60745-2-11

Authorised Signatory and technical file holder

Date: 10/02/15

Signature: P. C. Harries

Name / title: Peter Harries / Quality Manager
Erbauer (UK) Ltd. Trade House, Mead Avenue, BA22 8RT



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