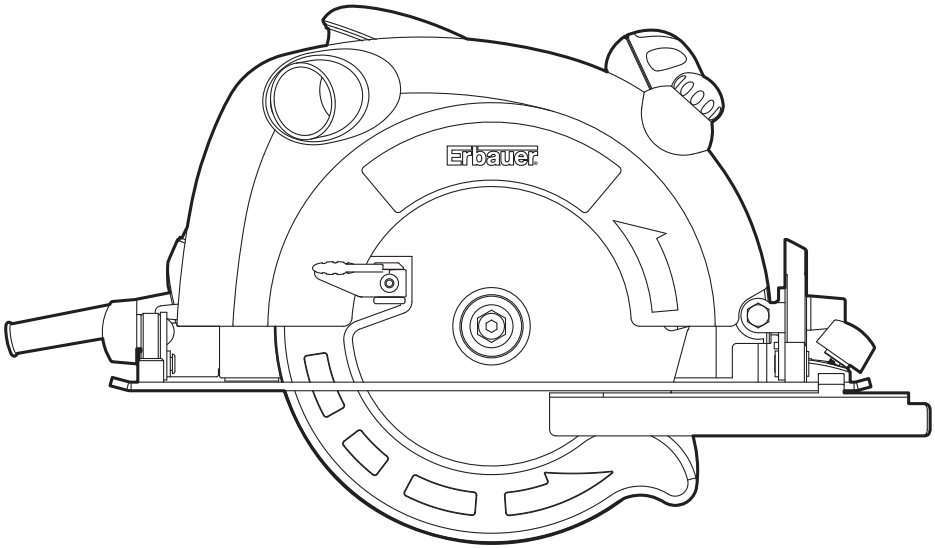
Erbauer®



ERB1721A

2 WARRANTY YEARS

210mm CIRCULAR SAW


Congratulations on your purchase of a quality power tool from Screwfix Direct Ltd. This product should give you reliable service but for your peace of mind this Erbauer power tool does carries a 24-month guarantee, the terms of which are detailed below.

If this product develops a fault within the guarantee period contact Screwfix Direct Ltd on Freephone 0500 41 41 41.

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 Screwfix Direct Ltd guarantee of 24 months. If your product develops a fault within this period, you should in the first instance contact Screwfix Direct Ltd on Freephone 0500 41 41 41. If the fault occurs within the first 24 months, you may return the goods for a full refund or we will repair or replace the goods if you prefer. When repair is not practical or identical goods are not available, alternative goods of similar specification and quality will usually be provided but, failing this, you will be offered a partial or full refund depending on the time period since purchase.

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
- Repairs attempted by anyone, unless authorized by Screwfix Direct Ltd.

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 0845 607 6380

210mm CIRCULAR SAW

SAFETY INSTRUCTIONS

WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. 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.

SAVE THESE INSTRUCTIONS

1. WORK AREA

a. Keep work area clean and well lit. Cluttered and 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. Use a Residual Circuit Breaker on all 230V Power tools. This can help minimise the risk of an electrical shock if an earth fault or short circuits occurs.

g. If using a power cable extension ensure that the cable is fully unwound and that its length is less than 30m. Lengths over 30 m will effect the tools performance as a result of voltage drop.

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 safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c. Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in 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 these devices 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 before making any adjustments, changing accessories, or storing power tools. Such preventative 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.

5. SERVICE

a. Have your power tool serviced by a qualified repairperson using only genuine replacement parts. This will ensure that the safety of the power tool is maintained.

6. HEALTH ADVICE

WARNING! When drilling, sanding, sawing or grinding, dust particles will be produced. In some instances, depending on the materials you are working with, this dust can be particularly harmful to you (e.g. lead from old gloss paint). You are advised to consider the risks associated with the materials you are working with and to reduce the risk of exposure. You should:

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

ADDITIONAL SAFETY RULES FOR YOUR CIRCULAR SAW

1. Always wear a dust mask, hearing protection and eye protection.

2. Only use saw blades recommended in the specification.
3. Always wear gloves when handling saw blades and rough material. Saw blades shall be carried in a holder whenever practicable.
4. Fully unwind cable drum extension to avoid potential overheating.
5. 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.
6. Ensure your mains supply voltage is the same as indicated on the rating plate.
7. Your circular saw is a hand held tool, do not clamp your circular saw.
8. Before cutting, check the cutting line is free of nails, screws, etc.
9. Do not cut small workpieces with a circular saw. If possible, use a jigsaw.
10. Only make cuts with the blade direction downwards, never upwards or at the side.
11. Do not use a blade unless the rated blade speed exceeds the saw no load speed.
12. Never remove the guard system. Never use the saw if the guard system does not function correctly. Never lock the moving guard open. The guard must move freely.
13. Never use saw blades made from high-speed steel (HSS).
14. Always check walls, floors and ceilings to avoid hidden power cable and pipes.
15. After long working periods external metal parts and accessories could be hot.
16. Do not use metal or stone saw blades. Only use wood saw blades.
17. Do not use circular saw to cut tree limbs or logs.
18. Do not use any abrasive wheels.

WARNING!

a. **Keep hands away form cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing.** If both hands are holding the saw, they cannot be cut by the blade.
b. **Do not reach underneath the work-piece.** The guard cannot protect you from the blade below the work-piece.
c. **Adjust the cutting depth to the thickness of the work-piece.** Less than a full tooth of the blade teeth should be visible below the work-piece.
d. **Never hold piece being cut in your hands or across your leg. Secure the work-piece to a stable platform.** It is important to support the work properly to minimize body exposure, blade binding, or loss of control.
e. **Hold power tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will also make exposed metal parts of the power tool "live" and shock the operator.
f. **When ripping always use a rip fence or straight edge guide.** This improves the accuracy of cut and reduce the chance of blade binding.
g. **Always use blades with correct size.** Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.
h. **Never use damaged or incorrect blade washers or bolt.** The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.

Further safety instructions for all saw causes and operator prevention of kickback:

- Kickback is a sudden reaction to pinched, bound or misalign saw blade, causing an uncontrolled saw to lift up and out of the work-piece toward the operator;
- When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;

- If the blade becomes twisted or misalign in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a. **Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.** Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.
b. **When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.** Investigate and take corrective actions to eliminate the cause of blade binding.
c. **When restarting a saw in the work-piece, center the saw blade in the kerf and check that saw teeth are not engaged into the material.** If saw blade is binding, it may walk up or kickback from the work-piece as the saw is restarted.
d. **Support large panels to minimize the risk of blade pinching and kickback.** Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides, near the line of cut and near the edge of the panel.
e. **Do not use dull or damaged blades.** Unsharpened or improperly set blades product narrow kerf causing excessive friction, blade binding and kickback.
f. **Blade depth and bevel adjusting locking levers must be tight and secure before making cut.** If blade adjustment shifts while cutting, it may cause binding and kickback.

SAFETY INSTRUCTION FOR CIRCULAR SAW WITH INNER PENDULUM GUARD

a. **Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.** If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other parts, in all angles and depths of cut.
b. **Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.** Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.
c. **Lower guard should be retracted manually only for special cuts such as"compound cuts". Raise lower guard by retracting handle and as soon as blade enters the material, the lower guard must be released.** For all other sawing, the lower guard should operate automatically.
d. **Always observe that the lower guard is covering the blade before placing saw down on bench or floor.** An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for blade to stop after switch is released.

SYMBOLS

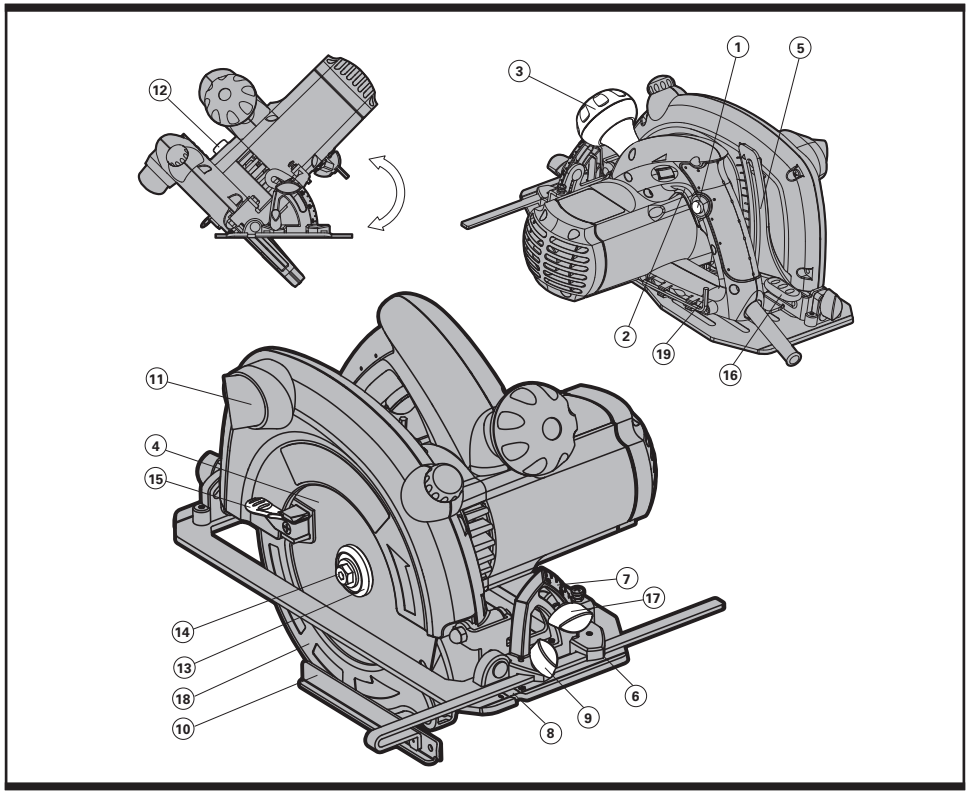
 Read the manual

 Warning

 Wear gloves

 Wear dust mask,eye & ear protection

CE Conforms to relevant safety standards



1. LOCK-OFF BUTTON
2. ON/OFF TRIGGER SWITCH
3. AUXILIARY HANDLE
4. SAW BLADE
5. DEPTH OF CUT SCALE
6. BASE PLATE
7. BASE PLATE ANGLE SCALE
8. CUTTING GUIDE
9. PARALLEL GUIDE FIXING SCREW
10. PARALLEL GUIDE
11. DUST EXTRACTION OUTLET
12. SPINDLE LOCK BUTTON
13. OUTER FLANGE
14. BLADE BOLT

210mm CIRCULAR SAW

15. LOWER GUARD LEVER

16. DEPTH OF CUT LOCKING LEVER

17. BASE PLATE BEVEL LOCK

18. BLADE GUARD

19. ALLEN KEY

TECHNICAL DATA

Volts:		230V~50Hz
Power input:		1700W
No load speed		5200min^{-1}
Baseplate:		Aluminium
Blade diameter:		210mm
Blade bore:		30mm
Double insulation:		⧈
Cutting capacity	90 degree:	75mm
	45 degree:	56mm
Cutting range:		0-45°
Machine weight:		6.8kg

NOISE AND VIBRATION DATA

A weighted sound pressure	102.4dB (A)
A weighted sound power	115.4dB (A)
Wear ear protection when sound pressure is over	85dB (A) 
Typical weighted vibration	2.26 m/s^2

ACCESSORIES

Blade specification
you must use a blade with following dimension

Outer	**ϕ210mm**
Bore	**ϕ30mm**
Thickness	**1.8mm**
Allen key	**1pc**
Parallel guide	**1pc**

OPERATING INSTRUCTIONS

1. SAFETY ON/OFF SWITCH
Your switch is locked off to prevent accidental starting. Depress lock off button (1) then on/off switch (2) and release lock off button (1). Your switch is now on. To switch off just release the on/off switch (See Fig 1).

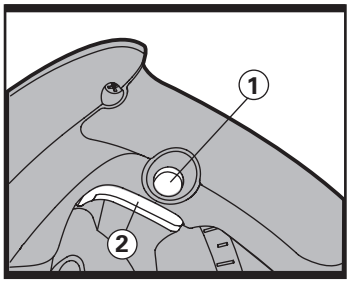


Fig 1

2. ADJUSTABLE AUXILIARY HANDLE
You have the option of two working positions to provide the safest and most comfortable control of your saw. Always hold your saw firmly with both hands when operating (See Fig 2).

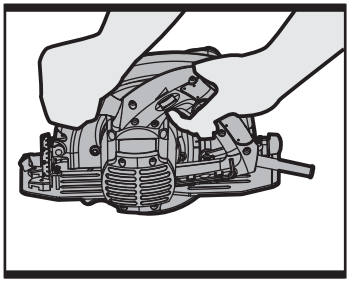


Fig 2

3. CHANGING A SAW BLADE
Press the spindle lock button (12) and use the allen key(19) provided to remove the bolt, washer and outer flange. Rotate lower guard clockwise and hold open using the lever (15) while changing the saw blade. Ensure the blade bore is located on the inner flange and the blade direction arrow points in the same direction as the lower guard arrow. Check the blade surface and flanges are clean. Press the spindle lock again and re-fit the outer flange over spindle flats, washer and bolt with 1/4 turn more than finger tight. Check the blade is securely clamped.

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

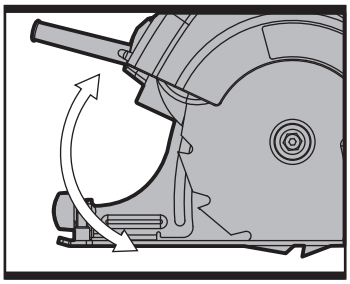


Fig 3

4. DEPTH OF CUT ADJUSTMENT
Lift the locking lever (16) and raise the saw body away from the base plate. Set the depth of cut using the scale provided and push the lever down to lock. Always add 3mm to your depth of cut so the blade can cut through the material (See Fig 3).

5. BASE PLATE
Adjusting the angle of the base plate enables bevel cutting. The base plate must always be held firmly against the material being cut to reduce saw vibration, blade jumping or blade breakage.

6. BASE PLATE ANGLE ADJUSTMENT
Loosen the bevel lock (17) and rotate the base plate to set the bevel angle using the scale provided. Then clamp the base plate position using the bevel lock (17). Finally, check the angle and ensure the base

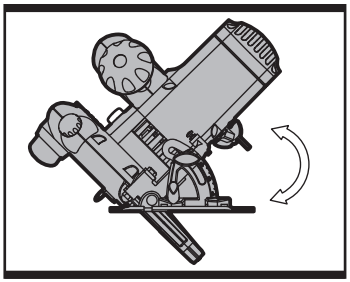


Fig 4.1

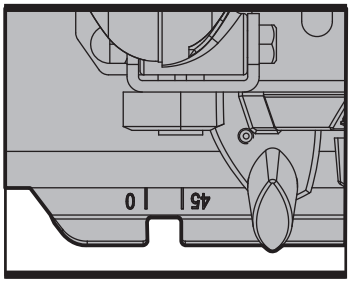


Fig 4.2

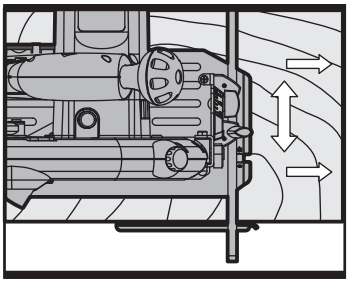


Fig 5

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. Do not use the depth of cut scale when making bevel cuts due to possible inaccuracy.

7. CUTTING GUIDE

Provides a visual cutting guide when using a parallel guide. For straight cuts, use the 0° guide marks to align with your parallel guide scale. For a 45° bevel cut, use the 45° guide marks to align with your parallel guide scale (See Fig 4.1). Before use, you must set your cutting guide marks for the blade to cut on the left or right of your workpiece marked cut line (See Fig 4.2). Place a flat ruler on the chosen side of the blade and across the blade teeth (widest cutting size). Loosen the cutting guide bolt and adjust the 0° guide marks to align with the ruler edge. Securely clamp the cutting guide. Always make a trial cut to check the setting.

8. PARALLEL GUIDE ADJUSTMENT

Used for making cuts parallel to a workpiece edge at a chosen distance. Slide the parallel guide arm through both fixtures to achieve the required cutting distance and tighten screw to lock into position (See Fig 5). Can be used from both sides of the base plate. The cutting distance is shown on the scale by the 0°or 45° cutting guide marks. Always make a trial cut to check the setting.

9. DUST EXTRACTION OUTLET

To remove sawdust, connect a suitable external dust extraction machine (e.g. vacuum cleaner) to the dust outlet using a flexible hose connection. Ensure the hose connection is secure.

WORKING HINTS FOR YOUR CIRCULAR SAW

If your power tool becomes too hot, run no load for 2-3 minutes to cool the motor. Avoid prolonged usage at very low speeds. Always use a blade suited to the material and material thickness to be cut. The quality of cut will improve as the number of blade teeth increase. Always ensure the workpiece is firmly held or clamped to prevent movement. Support large panels close to the cut

line. 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 edges of your work piece. When cutting, ensure your uppermost surface is a non visible surface when your work is finished.

WARNING: the blade teeth are exposed during this operation so proceed with extreme caution. Clearly mark the area to be cut. Set the depth of cut on the saw. Position the saw over the marked area with the front edge of the base plate resting on the work surface and cutting guide aligned with marked line on work piece (See Fig 6.1 and 6.2). Ensure the blade is not touching but close to the work surface. The moving lower guard must be rotated open by using lever (15). Switch the saw on and gently swing the blade down into the material but maintain a pivoting force on the front edge of the base. Move the saw both forward and downwards until the base plate is resting on the work piece for normal cutting. The moving lower guard can now be released for normal action of the guard.

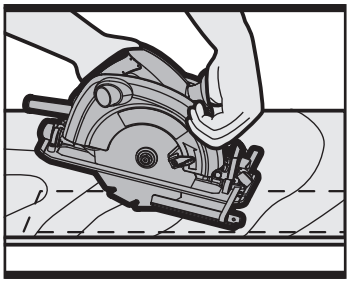


Fig 6.1

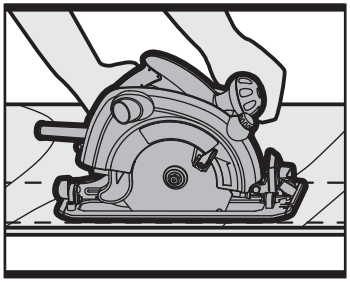


Fig 6.2

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.
If you see some sparks flashing in the ventilation slots, this is normal and will not damage your power tool.

ENVIRONMENT PROTECTION

Waste electrical products must not be disposed of with household waste. This tool should be taken to your local recycling center for safe treatment.

PLUG REPLACEMENT

The fuse in the main plug of your power tool should always be replaced with one of identical rating.

Check the voltage given on your power tool matches the supply voltage.

The power tool is supplied with a fitted plug, however if you should need to fit a new plug follows the instruction below.

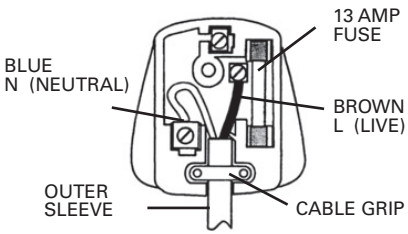
IMPORTANT
The wire in the mains lead are coloured in accordance with the following code:

Blue-Neutral

Brown ---Live

The wire that is coloured blue must be connected to the terminal that is marked with the letter N.
The wire that is coloured brown must be connected to the terminal that is marked with the letter L.

A 13AMP (BS1363 or BS1363/A) plug must be used and a 13 AMP fuse must be fitted.



Declaration of Conformity

We, Importer

Screwfix Direct Ltd
Mead Avenue
Houndstone Business Park
Yeovil
BA 22 8RT

Declare that the product

Circular Saw
ERB1721A

Complies with the essential health and safety requirements of the following directive:

89/336/EEC, 93/68/EEC –EMC Directive
73/23/EEC, 93/68/EEC –Low Voltage Directive
98/37/EC –Machinery Directive

Standards and technical specifications referred to:

EN 60745-1:2003/+A1:2003
EN 60745-2-5:2003
EN 55014-1:2000/+A1:2001/+A2:2002
EN 55014-2:1997/+A1:2001
EN 61000-3-2:2000
EN 61000-3-3:1995/+A1:2001

Authorised Signatory
Date: 15/09/05
Signature:

Name: Peter Harries
Screwfix Direct Ltd
Quality Manager

CE

2005

210mm CIRCULAR SAW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