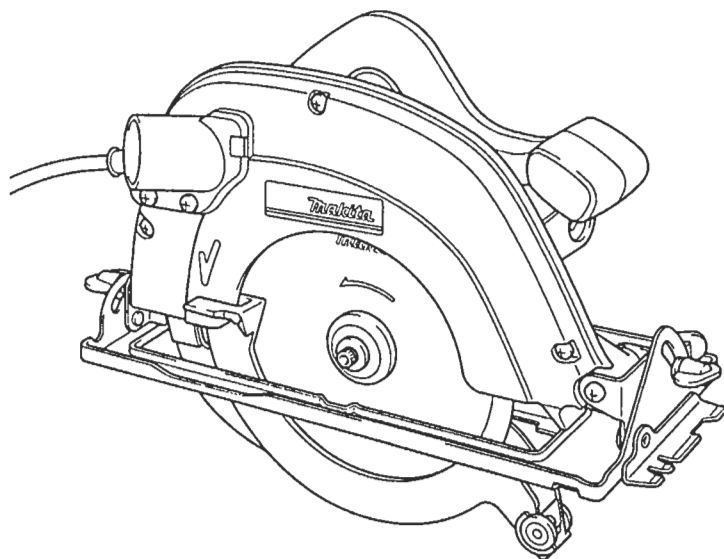




Circular Saw

190 mm 5704R



DOUBLE
INSULATION

SPECIFICATIONS

Model	5704R
Blade diameter	190 mm
Max. cutting depth	
At 90°	66 mm
At 45°	46 mm
No load speed (min ⁻¹)	4,900
Overall length	345 mm
Net weight	4.6 kg

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Note: Specifications may differ from country to country.

Power supply

The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated in accordance with European Standard and can, therefore, also be used from sockets without earth wire.

For European countries only

Noise And Vibration

The typical A-weighted noise levels are
sound pressure level: 97 dB (A)
sound power level: 110 dB (A)
- Wear ear protection. -

The typical weighted root mean square acceleration value is not more than 2.5 m/s².

EC-DECLARATION OF CONFORMITY

The undersigned, Yasuhiko Kanzaki, authorized by Makita Corporation, 3-11-8 Sumiyoshi-Cho, Anjo, Aichi, 446 Japan declares that this product

(Serial No. : series production)

manufactured by Makita Corporation in P.R.C is in compliance with the following standards or standardized documents,

HD400, EN50144, EN55014, EN61000

in accordance with Council Directives, 73/23/EEC, 89/336/EEC and 98/37/EC.

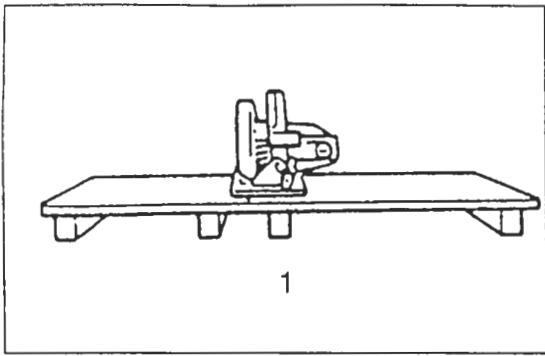
Yasuhiko Kanzaki CE 2000



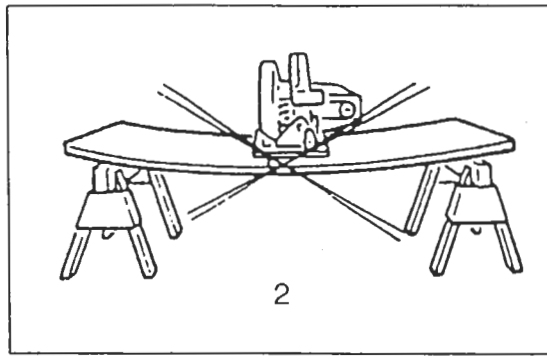
Director

MAKITA INTERNATIONAL EUROPE LTD.

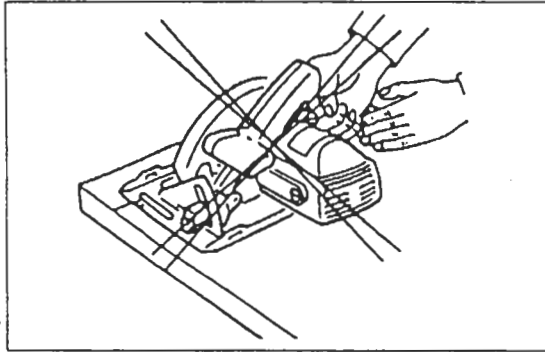
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Bucks MK15 8JD, ENGLAND



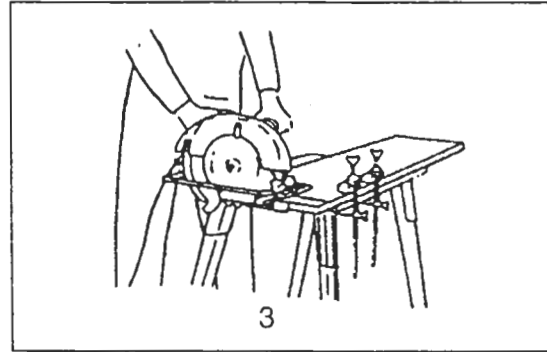
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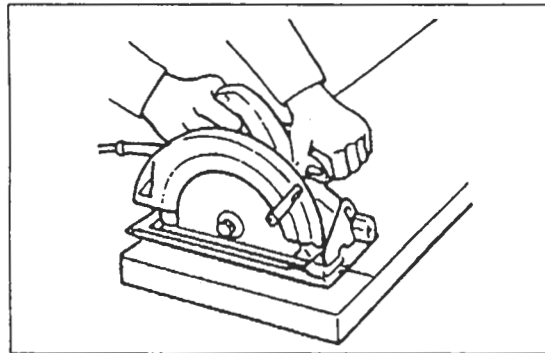
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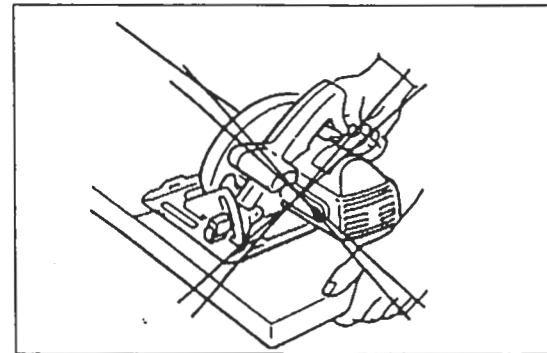
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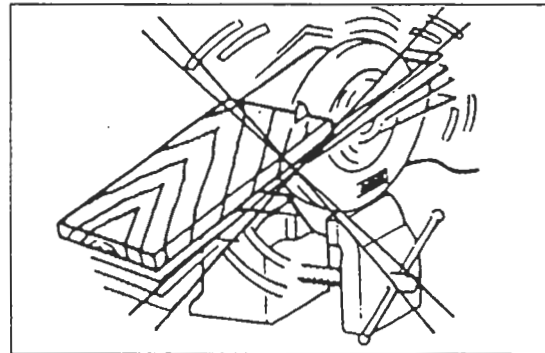
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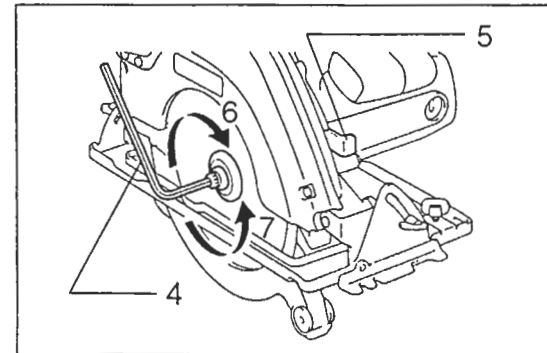
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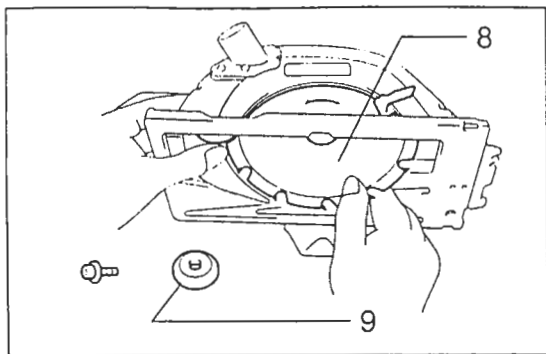
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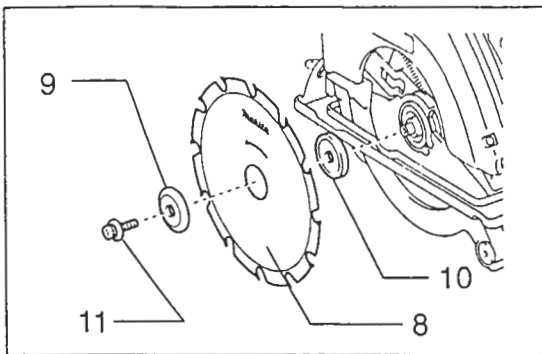
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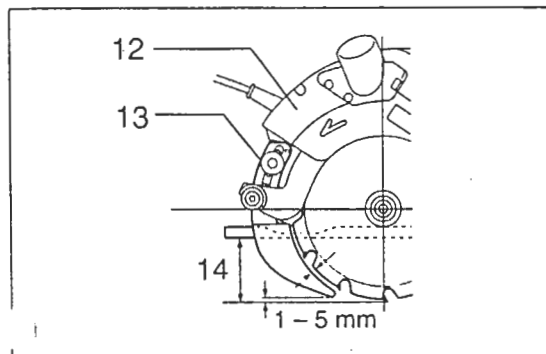
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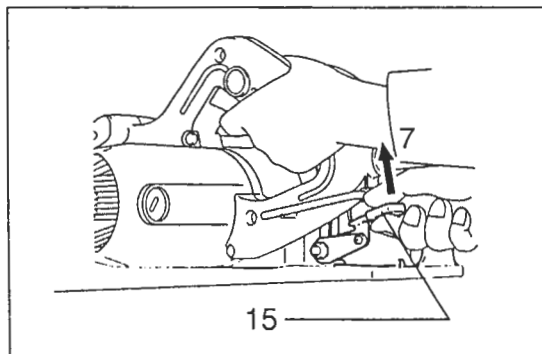
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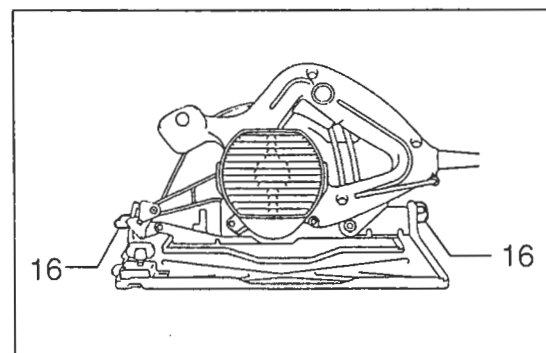
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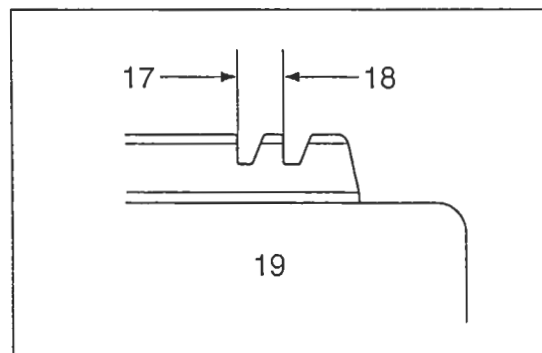
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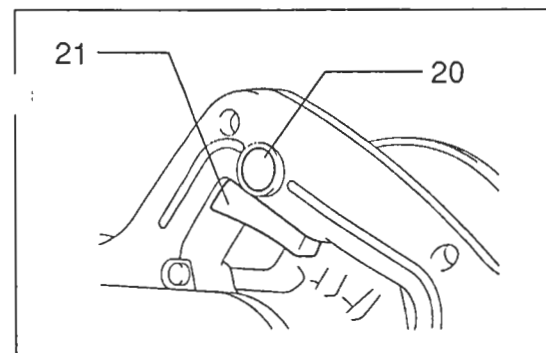
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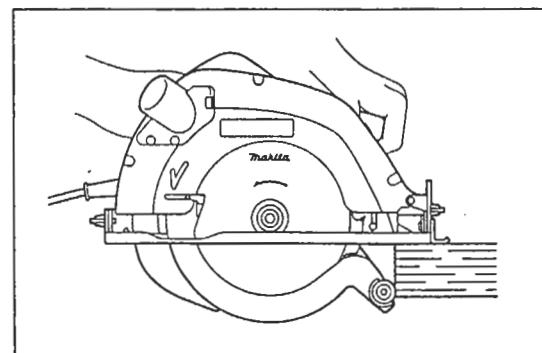
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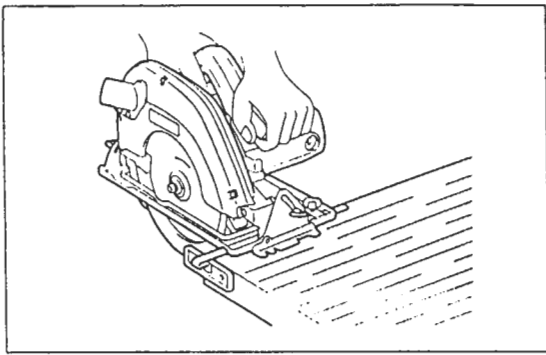
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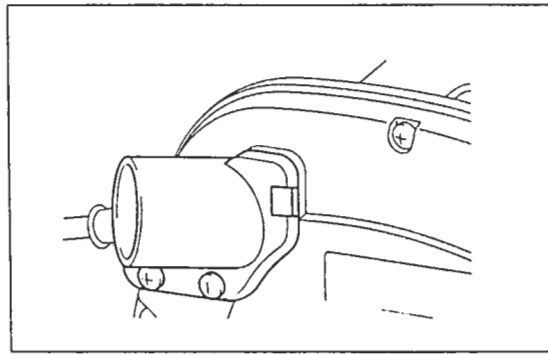
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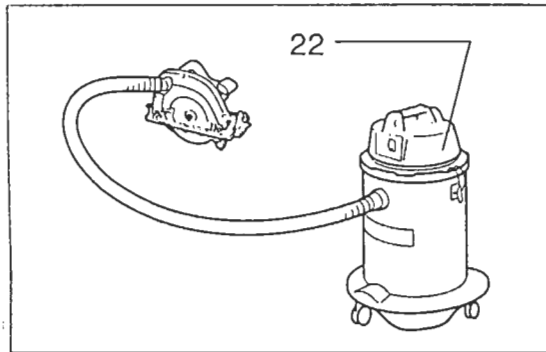
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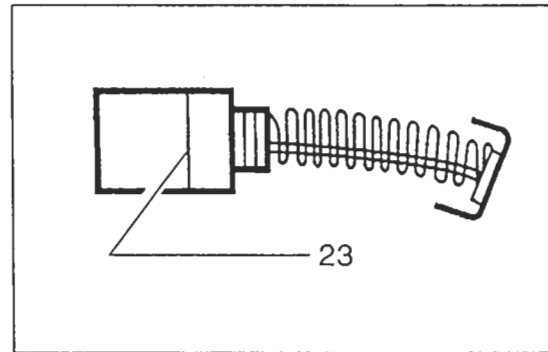
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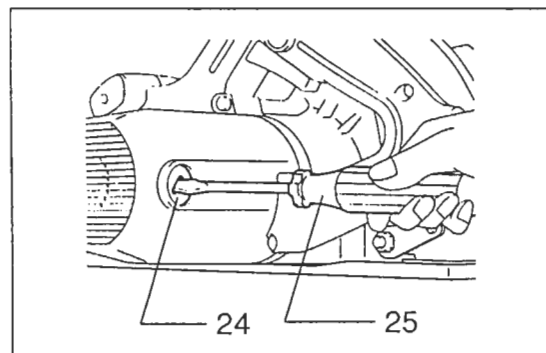
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ENGLISH

Explanation of general view

1 To avoid kickback, do support board or panel near the cut.	7 Loosen	16 Thumb screw
2 Don't support board or panel away from the cut.	8 Saw blade	17 For 45° bevel cuts
3 A typical illustration of proper hand support and workpiece support.	9 Outer flange	18 For straight cuts
4 Hex wrench	10 Inner flange	19 Base plate
5 Shaft lock	11 Hex socket head bolt	20 Lock-off button
6 Tighten	12 Setting protuberances	21 Switch trigger
	13 Hex socket head bolt (For adjusting riving knife)	22 Vacuum cleaner
	14 Cutting depth	23 Limit mark
	15 Lever	24 Brush holder cap
		25 Screwdriver

SAFETY INSTRUCTIONS

Warning! When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following.

Read all these instructions before attempting to operate this product and save these instructions.

For safe operation:

- 1. Keep work area clean**
Cluttered areas and benches invite injuries.
- 2. Consider work area environment**
Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit. Don't use power tools in presence of flammable liquids or gases.
- 3. Guard against electric shock**
Prevent body contact with grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
- 4. Keep children away**
Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
- 5. Store idle tools**
When not in use, tools should be stored in dry, high, or locked-up place, out of the reach of children.
- 6. Don't force tool**
It will do the job better and safer at the rate for which it was intended.
- 7. Use right tool**
Don't force small tools or attachments to do the job of a heavy duty tool. Don't use tools for purposes not intended; for example, don't use circular saw for cutting tree limbs or logs.
- 8. Dress properly**
Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 9. Use safety glasses and hearing protection**
Also use face or dust mask if cutting operation is dusty.
- 10. Connect dust extraction equipment**
If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.

11. Don't abuse cord

Never carry tool by cord or yank it to disconnect it from receptacle. Keep cord from heat, oil and sharp edges.

12. Secure work

Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.

13. Don't overreach

Keep proper footing and balance at all times.

14. Maintain tools with care

Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.

15. Disconnect tools

When not in use, before servicing, and when changing accessories such as blades, bits and cutters.

16. Remove adjusting keys and wrenches

Form the habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

17. Avoid unintentional starting

Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.

18. Outdoor use extension cords

When tool is used outdoors, use only extension cords intended for use outdoors and so marked.

19. Stay alert

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

20. Check damaged parts

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by and authorized service center. Do not use tool if switch does not turn it on and off.

OPERATING INSTRUCTIONS

Removing or installing saw blade

The following blade can be used with this tool.

Max. dia.	Min. dia.	Hole dia.	Blade thickness	Kerf
190 mm	170 mm	20 mm or 30 mm	1.7 mm or less	1.9 mm or more

The thickness of the riving knife is 1.8 mm.

CAUTION:

- Do not use saw blades which do not comply with the characteristics specified in these instructions.
- Do not use saw blades the disc of which is thicker or the set of which is smaller than the thickness of the riving knife.

To remove the saw blade, depress the shaft lock fully to prevent shaft rotation, then use the hex wrench to loosen the hex socket head bolt. (Fig. 8)

Now remove the outer flange, raise the safety cover as much as possible, and remove the saw blade. (Fig. 9)

Follow the saw blade using the reverse of the removal procedure. Install the inner flange, saw blade, outer flange and hex socket head bolt, in that order. Be sure to secure the hex socket head bolt tightly with the shaft lock fully depressed. (Fig. 10)

CAUTION:

- Make sure that the blade teeth point forward in the same direction as the tool rotation (the arrow on the blade should point in the same direction as the arrow on the tool).
- The inner flange has a 30 mm diameter on one side and a 20 mm diameter on the other. The side with 20 mm diameter is marked by "20". Use the correct side for the hole diameter of the blade you intend to use. Mounting the blade on the wrong side can result in dangerous vibration.
- Use only the Makita hex wrench to remove or install the blade.

Riving knife adjustment (Fig. 11)

Use the hex wrench to loosen the hex socket head bolt for the riving knife adjustment, then raise the safety cover. Move the riving knife up or down over the two protruberances for settings indicated in the illustration, so as to obtain the proper clearance between the riving knife and saw blade.

CAUTION:

Ensure that the riving knife is adjusted such that: The distance between the riving knife and the toothed rim of the saw blade is not more than 5 mm. The toothed rim does not extend more than 5 mm beyond the lower edge of the riving knife.

Adjusting depth of cut (Fig. 12)

Loosen the lever on the depth guide and move the base up or down. At a desired depth of cut, secure the base by tightening the lever.

CAUTION:

- Use a shallow depth of cut when cutting thin workpiece for cleaner, safer cuts.
- After adjusting the depth of cut, always tighten the lever securely.

Adjusting for bevel cuts (Fig. 13)

Loosen the thumb screws in front and back, and tilt the tool to the desired angle for bevel cuts (0° – 45°). Secure the thumb screws tightly in front and back after making the adjustment.

Sighting (Fig. 14)

For straight cuts, align the right notch on the front of the base with your cutting line on the workpiece.

For 45° bevel cuts, align the left notch with it.

Switch action (Fig. 15)

To prevent the switch trigger from being accidentally pulled, a lock-off button is provided.

To start the tool, depress the lock-off button and pull the switch trigger. Release the switch trigger to stop.

CAUTION:

Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

Operation (Fig. 16)

Hold the tool firmly. Set the base plate on the workpiece to be cut without the blade making any contact. Then turn the tool on and wait until the blade attains full speed. Now simply move the tool forward over the workpiece surface, keeping it flat and advancing smoothly until the sawing is completed. To get clean cuts, keep your sawing line straight and your speed of advance uniform.

CAUTION:

- The riving knife should always be used except when plunging in the middle of the workpiece.
- Do not stop the saw blade by lateral pressure on the disc.

Guide rule (Fig. 17)

The handy guide rule allows you to do extra-accurate straight cuts. Simply slide the guide rule up snugly against the side of the workpiece and secure it in position with the bolt on the front of the base. It also makes repeated cuts of uniform width possible.

Joint assembly (Fig. 18 & 19)

(for connecting a vacuum cleaner)

When you wish to perform clean cutting operation, connect a vacuum cleaner to your tool. Then connect a hose of vacuum cleaner to the joint.

21. Warning

The use of any other accessory or attachment other than recommended in this operating instruction or the catalog may present a risk of personal injury.

22. Have your tool repaired by an expert

This electric appliance is in accordance with the relevant safety rules. Repairing of electric appliances may be carried out only by experts otherwise it may cause considerable danger for the user.

ADDITIONAL SAFETY RULES

ENB036-2

1. Wear hearing protection.
2. Keep Guards In Place and In Working Order. Never wedge or tie lower guard open. Check operation of lower guard before each use. Don't use if lower guard does not close briskly over saw blade.
CAUTION: If saw is dropped, lower guard may be bent, restricting full return.
3. Do not use blades which are deformed or cracked.
4. Do not use blades of high speed steel.
5. Do not stop the blades by lateral pressure on the saw blade.
6. Keep Blades Clean and Sharp.
Sharp blades minimize stalling and kickback.
7. **DANGER:**
Keep Hands Away From Cutting Area.
Keep hands away from blades. Don't reach underneath work while blade is rotating. Don't attempt to remove cut material when blade is moving.
CAUTION: Blades coast after turn off.
8. Support Large Panels. (Fig. 1 & 2)
Large panels must be supported as shown in Fig. 1 to minimize the risk of blade pinching and kickback.
When cutting operation requires the resting of the saw on the workpiece, the saw shall be rested on the larger portion and the smaller piece cut off.
9. Use Rip Fence.
Always use a fence or straight edge guide when ripping.
10. Guard Against Kickback. (Fig. 1 & 3)
Kickback occurs when the saw stalls rapidly and is driven back towards the operator. Release switch immediately if blade binds or saw stalls. Keep blades sharp. Support large panels as shown in Fig. 1.
Use fence or straight edge guide when ripping. Don't force tool. Stay alert – exercise control. Don't remove saw from work during a cut while the blade is moving.
NEVER place your hand or fingers behind the saw. If kickback occurs, the saw could easily jump backwards over your hand, possibly causing severe injury.

11. Lower Guard.

Raise lower guard with the retracting handle.

12. Adjustments.

Before cutting be sure depth and bevel adjustments are tight.

13. Use Only Correct Blades In Mounting.

Don't use blades with incorrect size holes. Never use defective or incorrect blade washers or bolts.

14. Avoid Cutting Nails.

Inspect for and remove all nails from lumber before cutting.

15. When operating the saw, keep the cord away from the cutting area and position it so that it will not be caught on the workpiece during the cutting operation. Operate with proper hand support, proper workpiece support, and supply cord routing away from the work area.

WARNING:

It is important to support the workpiece properly and to hold the saw firmly to prevent loss of control which could cause personal injury. Fig. 4 illustrates typical hand support of the saw.

16. Place the wider portion of the saw base on that part of the workpiece which is solidly supported, not on the section that will fall off when the cut is made.

As example, Fig. 5 illustrates the **RIGHT** way to cut off the end of a board, and Fig. 6 the **WRONG** way. If the workpiece is short or small, clamp it down. **DON'T TRY TO HOLD SHORT PIECES BY HAND!** (Fig. 6)

17. Never attempt to saw with the circular saw held upside down in a vise. This is extremely dangerous and can lead to serious accidents. (Fig. 7)
18. Before setting the tool down after completing a cut, be sure that the lower (telescoping) guard has closed and the blade has come to a complete stop.
19. Using manufacturer data
 - Ensure that the diameter, thickness and other characteristics of the saw blade are suitable for the tool.
 - Ensure that the saw blade is suitable for the spindle speed of the tool.
20. Do not use any abrasive wheel.

SAVE THESE INSTRUCTIONS.

MAINTENANCE

CAUTION:

Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Replacement of carbon brushes (Fig. 20 & 21)

Replace carbon brushes when they are worn down to the limit mark. Both identical carbon brushes should be replaced at the same time.

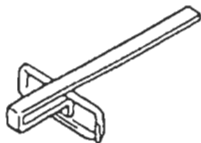
To maintain product safety and reliability, repairs, maintenance or adjustment should be carried out by Makita Authorized Service Center.

ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

- Guide rule



- Hex wrench



- Carbide-tipped saw blade

Faster, smoother, longer sawing without blade sharpening.
Cuts wood, drywall, plastics, hard wood, etc.

Diameter: 190 mm

Hole diameter: 20 mm or 30 mm

No. teeth



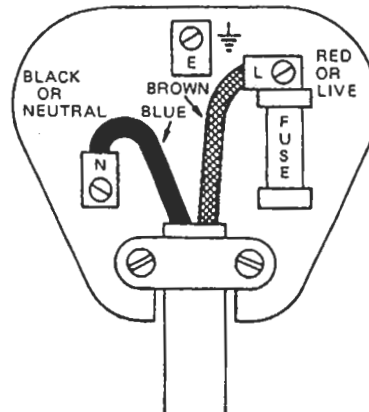
THE ADDITIONAL COMMENT OF ELECTRICAL CONNECTION

The tool is double insulated for safety, no earth connection is required.

CAUTION: The tool must be connected to a plug having a rated current greater than that of tool.
The rated voltage and current appear on the name plate.

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

BLUE — NEUTRAL
BROWN — LIVE



NOTE: As the colours of the mains lead of the tool may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
THE WIRE WHICH IS COLOURED BLUE MUST BE CONNECTED TO THE TERMINAL WHICH IS MARKED WITH THE LETTER "N" OR COLOURED BLACK. THE WIRE WHICH IS COLOURED BROWN MUST BE CONNECTED TO THE TERMINAL WHICH IS MARKED WITH THE LETTER "L" OR COLOURED RED.

CAUTION: Neither wire is to be connected to earth terminal which is marked with the letter "E" or symbol "⏏".

FOR 110 VOLT TOOL, USE PLUGS TO BS4343.

Makita Corporation

Anjo, Aichi Japan

Made in P.R.C.

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