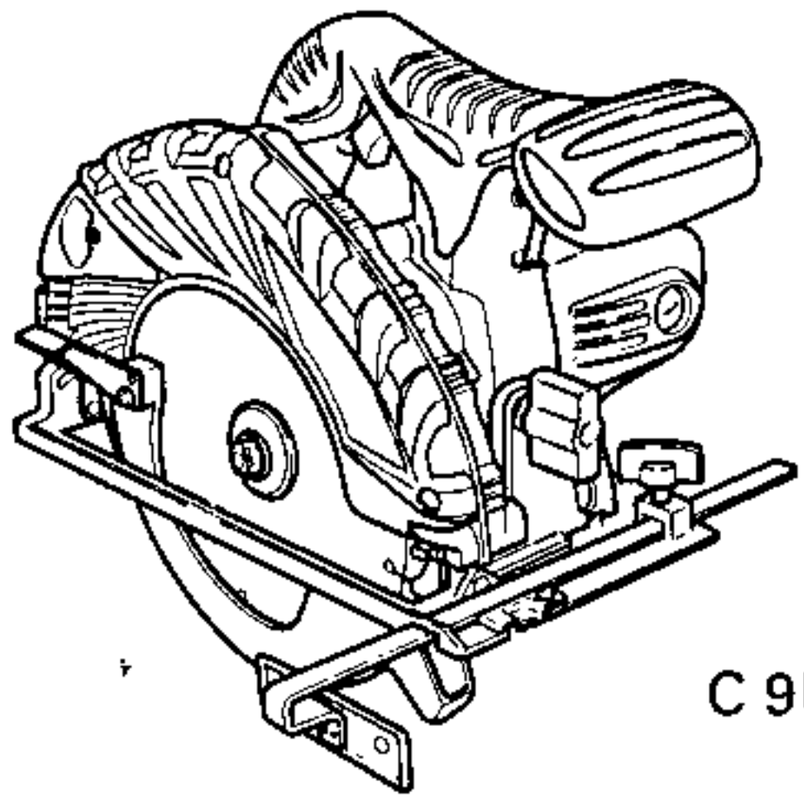
26691
9359-5

HITACHI

Circular Saw
Kreissäge
Scie circulaire
Sega circolare
Cirkelzaagmachine
Sierra circular
Serra circular
Δισκοπριονο

C 9U2 · C 9BU2



C 9U2

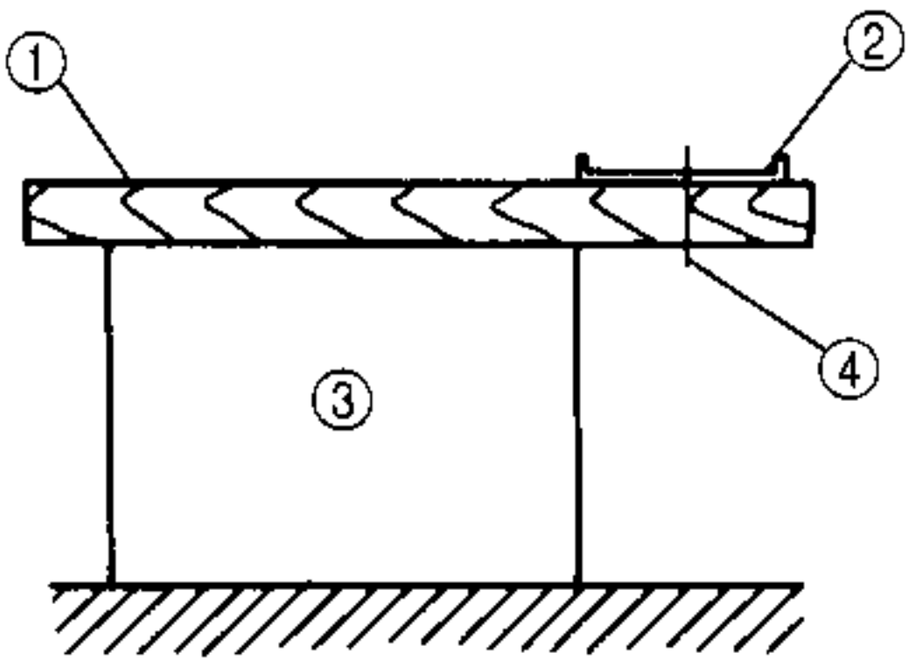
Read through carefully and understand these instructions before use.
Diese Anleitung vor Benutzung des Werkzeugs sorgfältig durchlesen und verstehen.
Lire soigneusement et bien assimiler ces instructions avant usage.
Prima dell'uso leggere attentamente e comprendere queste istruzioni.
Deze gebruiksaanwijzing s.v.p. voor gebruik zorgvuldig doorlezen.
Leer cuidadosamente y comprender estas instrucciones antes del uso.
Antes de usar, leia com cuidado para assimilar estas instruções.
Διαβάστε προσεκτικά και κατανοήσετε αυτές τις οδηγίες πριν τη χρήση.

Handling instructions
Bedienungsanleitung
Mode d'emploi
Istruzioni per l'uso
Gebruiksaanwijzing
Instrucciónes de manejo
Instruçõés de uso
Οδηγίες χειρισμού

Hitachi Koki

	English	Deutsch	Français	Italiano
①	Lumber	Schnittholz	Bois	Legno
②	Base	Grundplatte	Base	Base
③	Workbench	Werkbank	Etabli	Banco di lavoro
④	Saw blade	Sägeblatt	Lame de la scie	Lame della sega
⑤	Side Handle	Seitenhandgriff	Poignée latérale	Impugnatura laterale
⑥	Flat hd. screw M6 × 16	Flachkopschraube M6 × 16	Vis à tête plate M6 × 16	Vite a testa piatta M6 × 16
⑦	Handle	Handgriff	Poignée	Mano
⑧	Knob	Stellknopf	Bouton	Manopola
⑨	Riving knife	Spaltkeil	Lame fendue	Coltello
⑩	Hexagonal-socket bolt	Sechskantschraube	Boulon à tête hexagonale	Bullone esagonale
⑪	Wing-nut	Flügelschraube	Boulon-papillon	Dado a farfalla
⑫	Wing-bolt	Fügelschraube	Boulon-papillon	Bullone a farfalla
⑬	Guide	Führung	Guide	Guida
⑭	Premarked line	Versetzt-Markierung	Ligne de repère	Traccia del taglio
⑮	Guide piece	Führungsstück	Pièce de guidage	Parte di guida
⑯	Front scale when not inclined	Frontskala wenn nicht geneigt	Echelle avant quand non incliné	Scala frontale non inclinata
⑰	Front scale at 45° incline	Frontskala bei 45° -Neigung	Echelle avant quand incliné à 45°	Scala frontale inclinata a 45°
⑱	M4 Screw	M4 Schraube	Vis de M4	Vite de M4
⑲	Lock lever	Sperrhebel	Levier de blocage	Leva di bloccaggio
⑳	Hex. bar wrench	Sechskantschlüssel	Clé à barre hex.	Chiave esagonale
㉑	Washer (β)	Unterlegscheibe (B)	Rondelle (B)	Rondella (B)
㉒	Washer (A)	Unterlegscheibe (A)	Rondelle (A)	Rondella (A)
㉓	Spindle	Achse	Arbre	Asse
㉔	Wear limit	Verschließgrenze	Limite d'usure	Limite di usura
㉕	No. of carbon brush	Nr. der Kohlebürste	No. du balai en carbone	N. della spazzola di carbone
㉖	Square	Winkel	Equerre	Squadra
㉗	Slotted set screw	Schaftschraube	Vis sans fin	Vite senza fine
㉘	Dust collector	Staubsauger	Collecteur á poussière	Raccoglipolvere
㉙	M5 Screw	M5-Schraube	Vis M5	Vite M5
㉚	M4 Screw	M4-Schraube	Vis M4	Vite M4
㉛	Lever (short type)	Hebel (kurz)	Levier (type court)	Leva (tipo corto)

1



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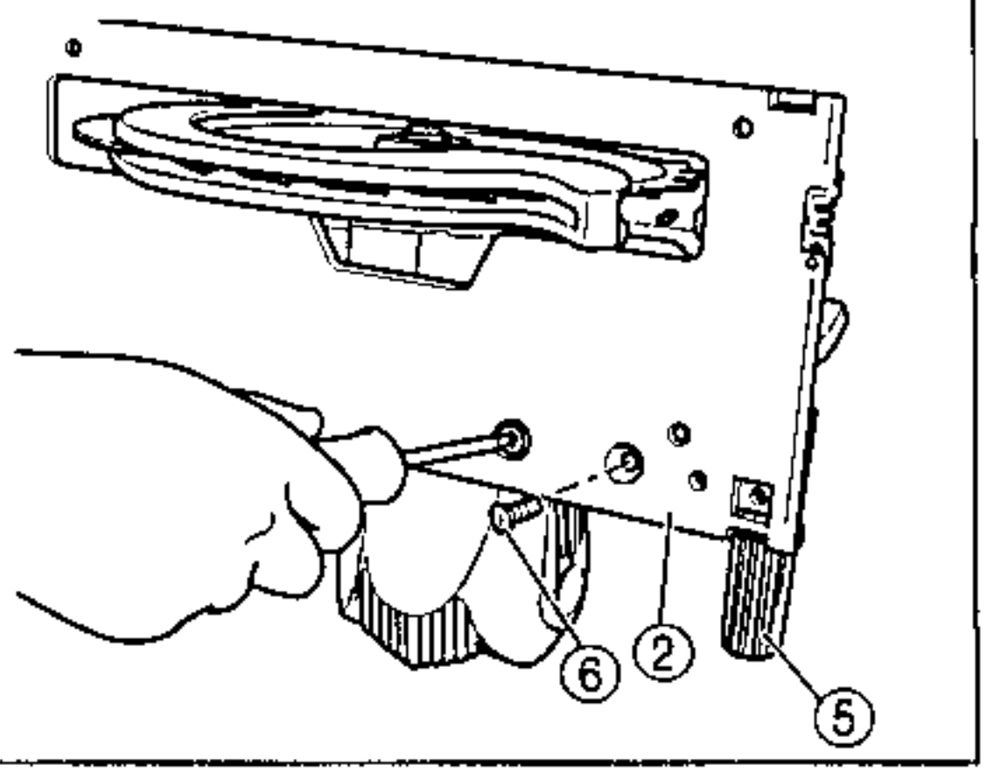

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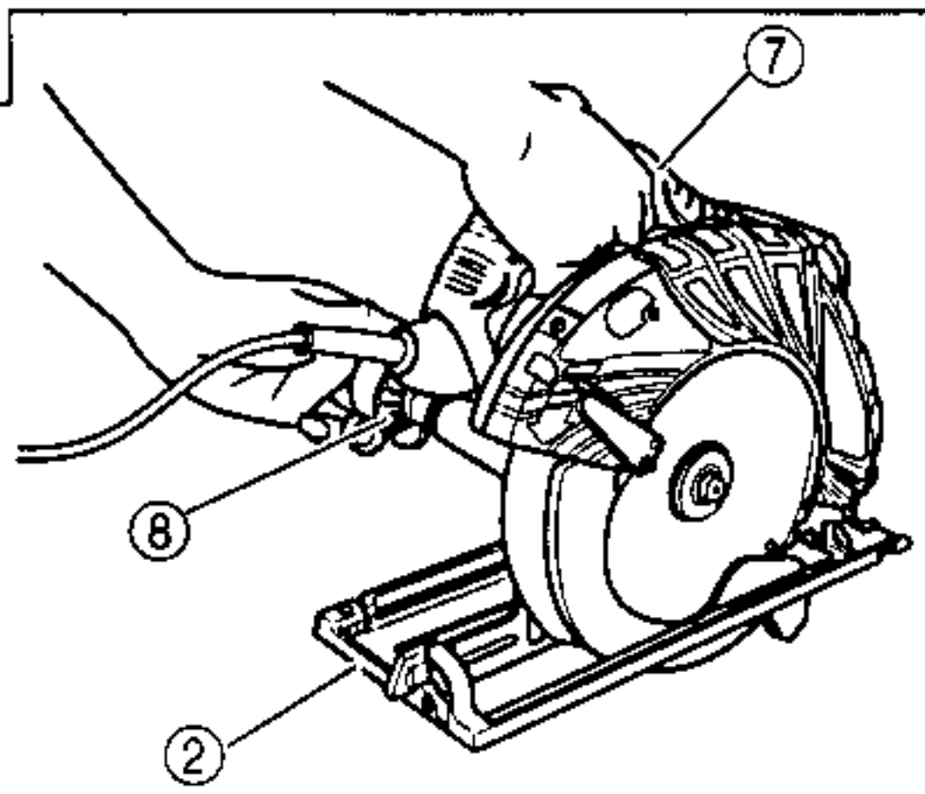

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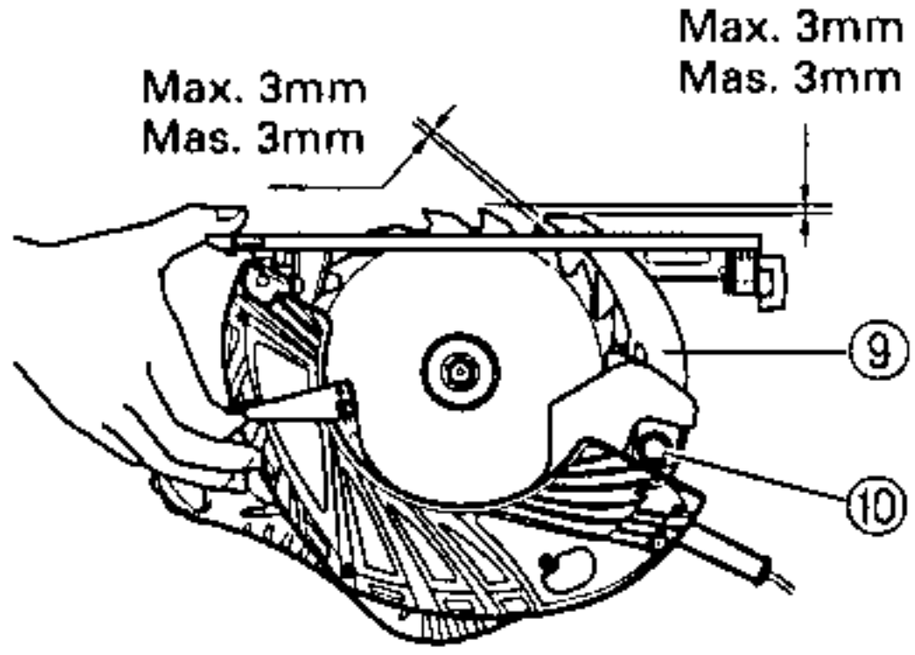

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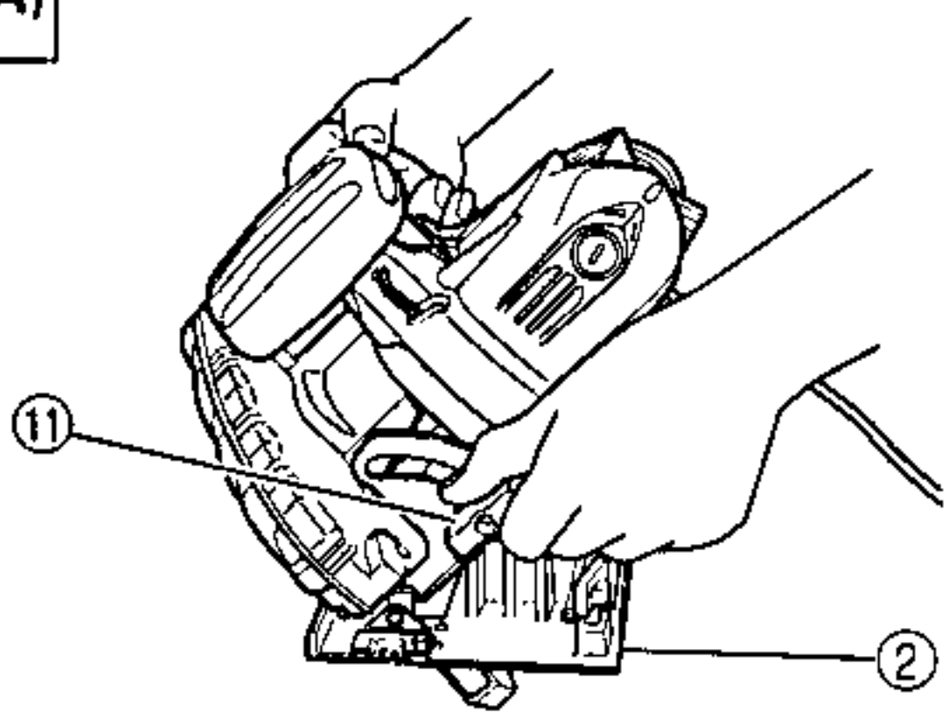

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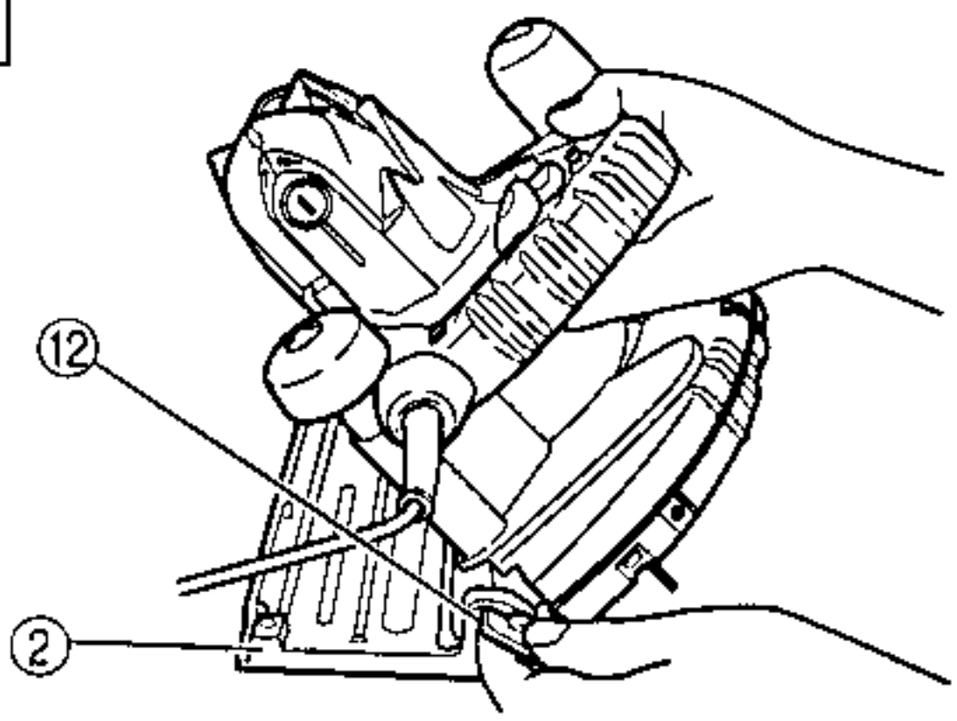

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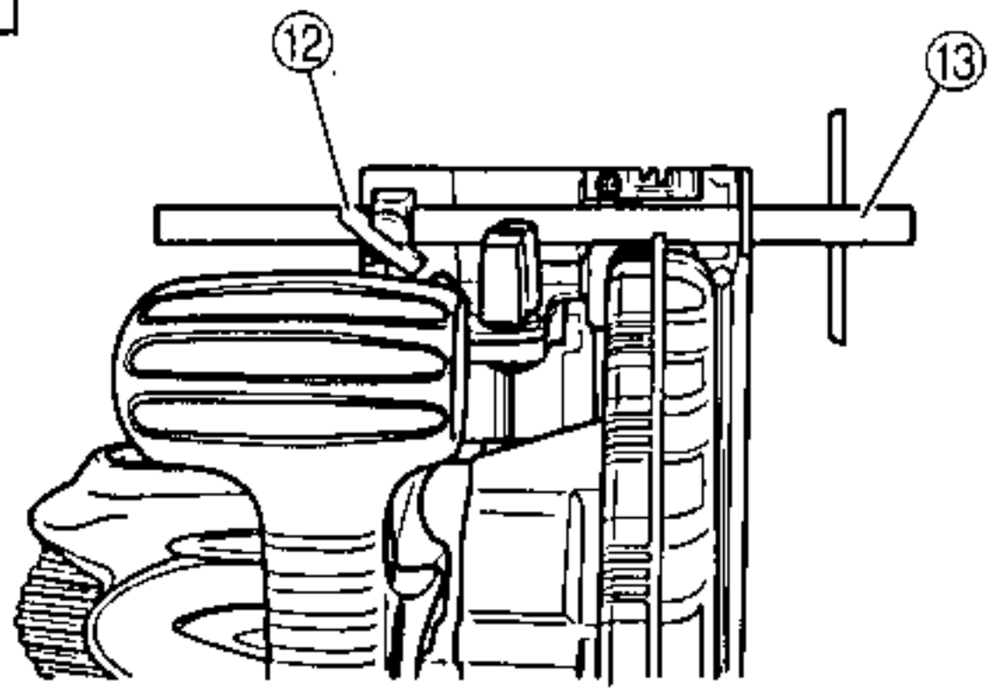

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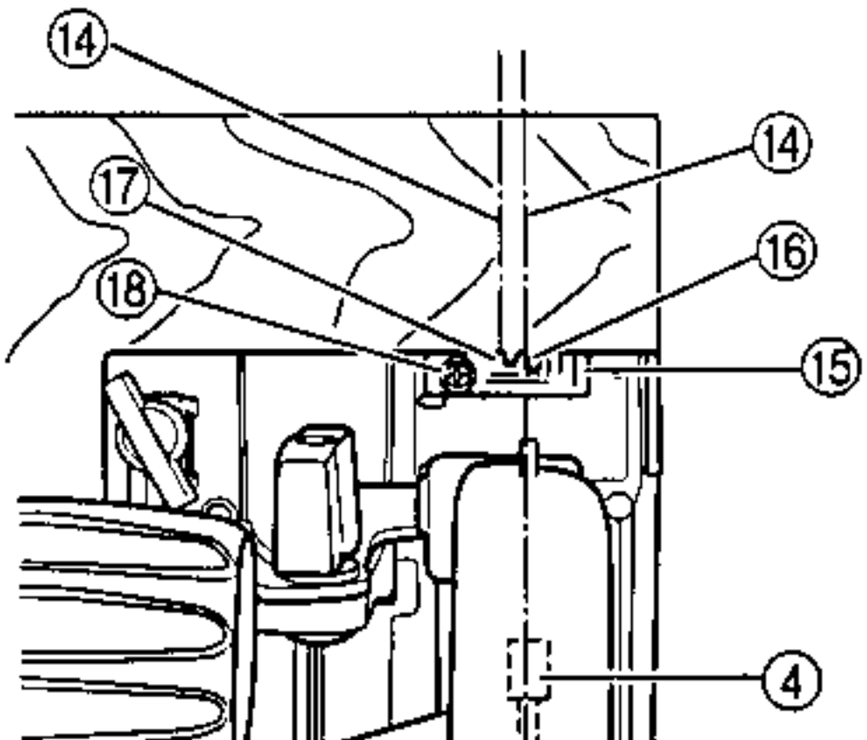

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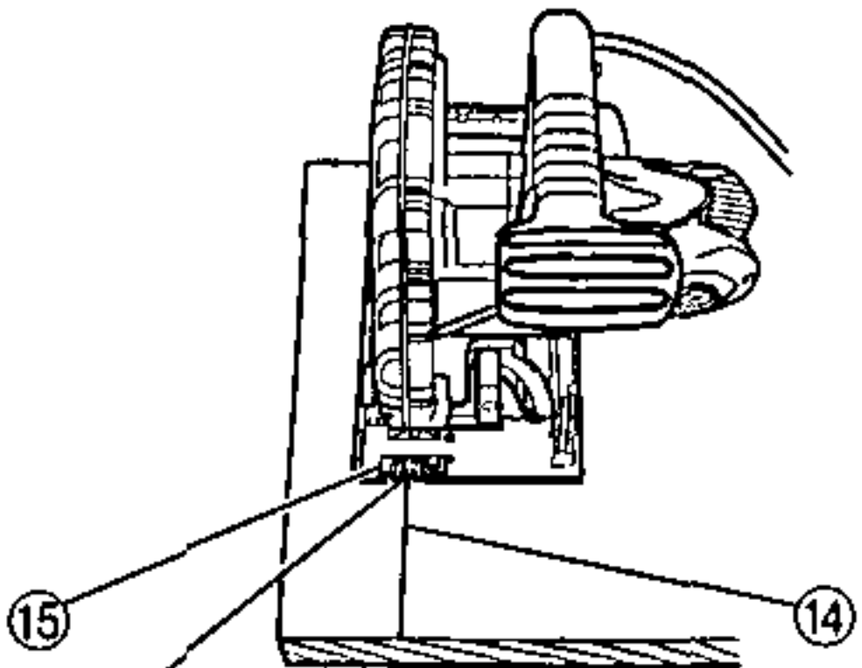

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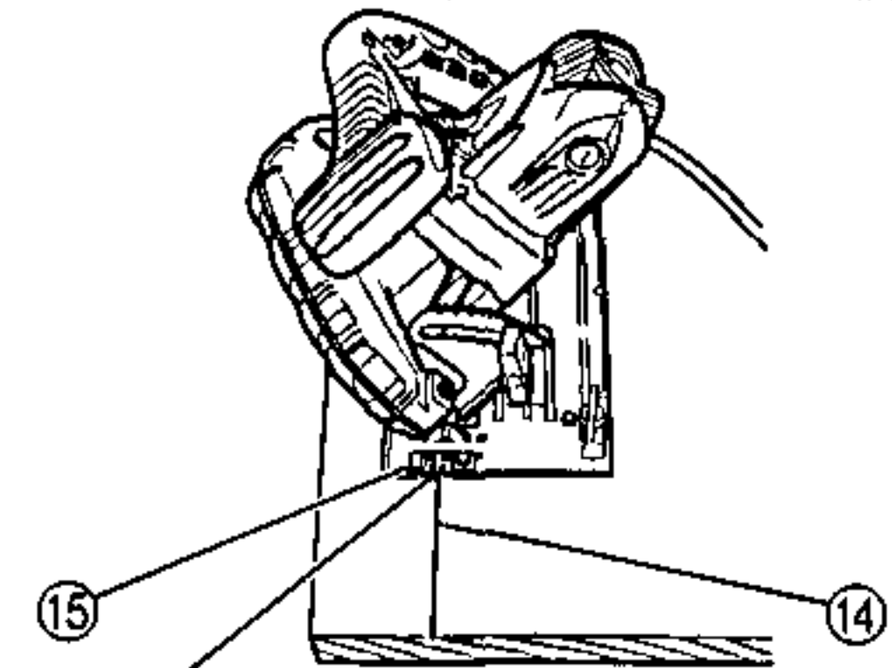

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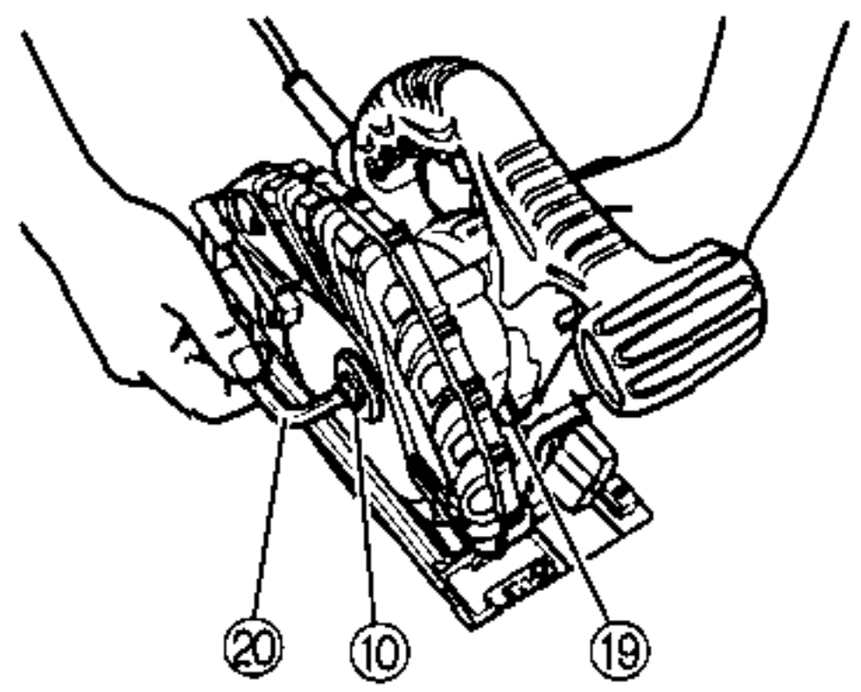

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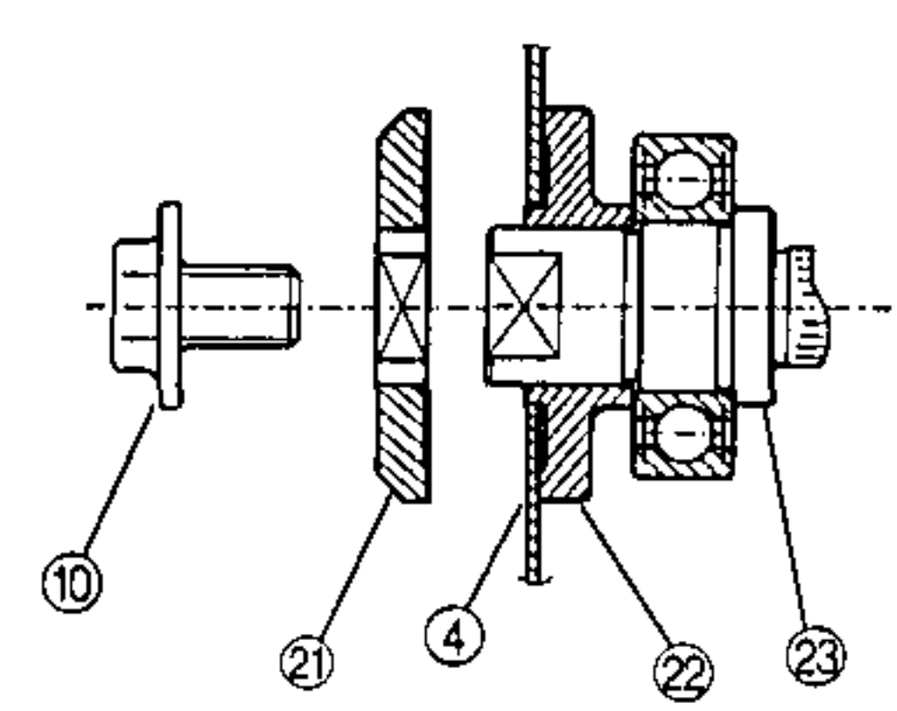

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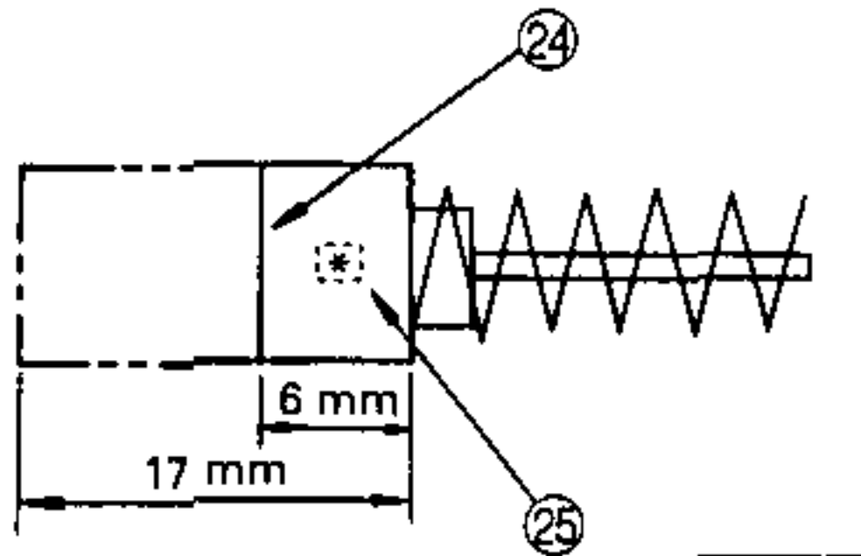

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㉕	38	65

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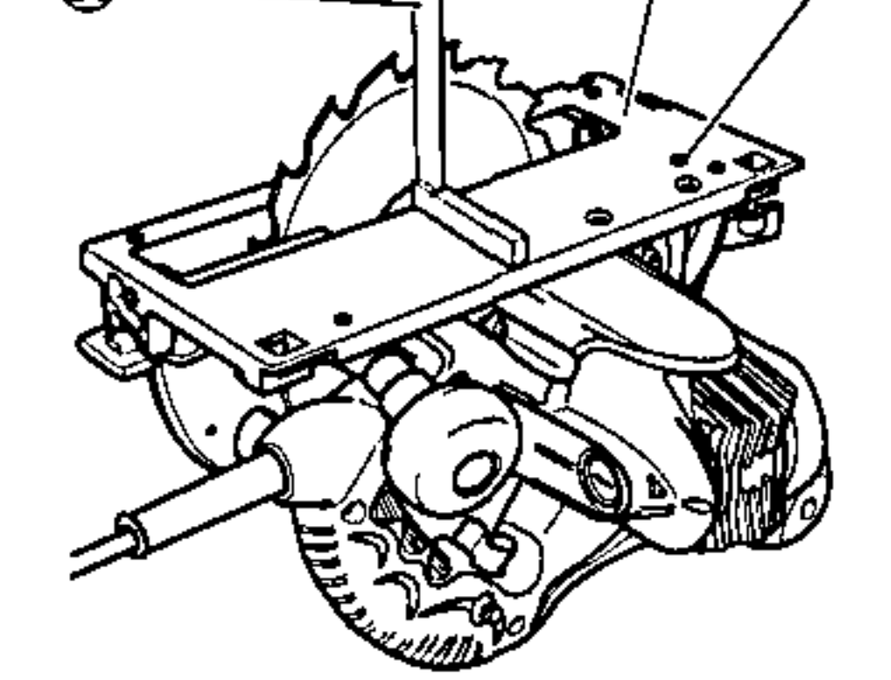

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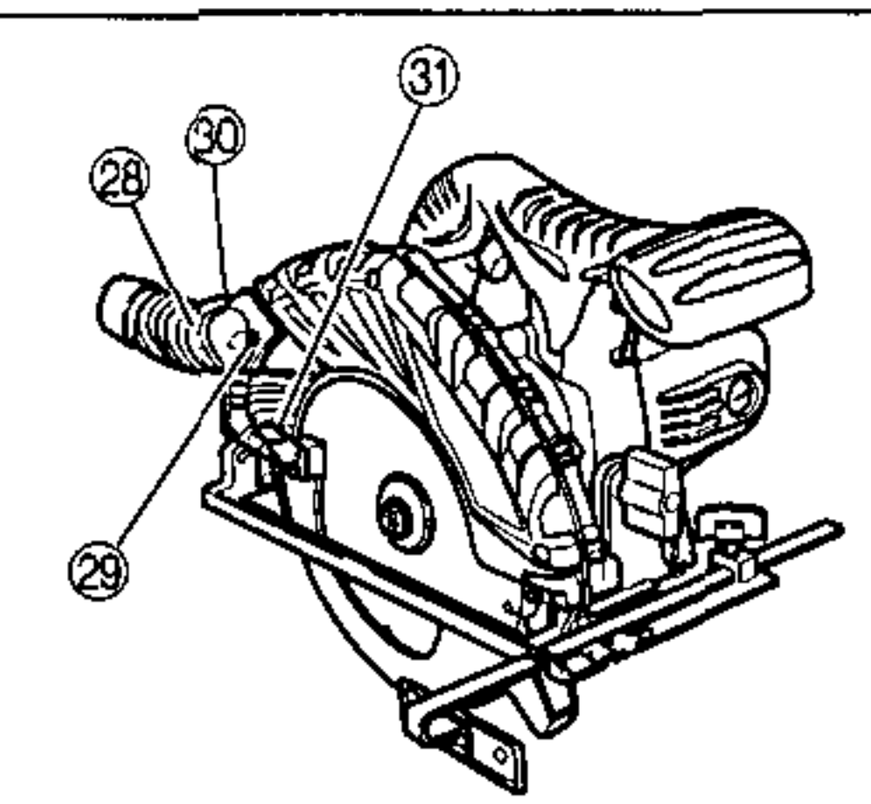

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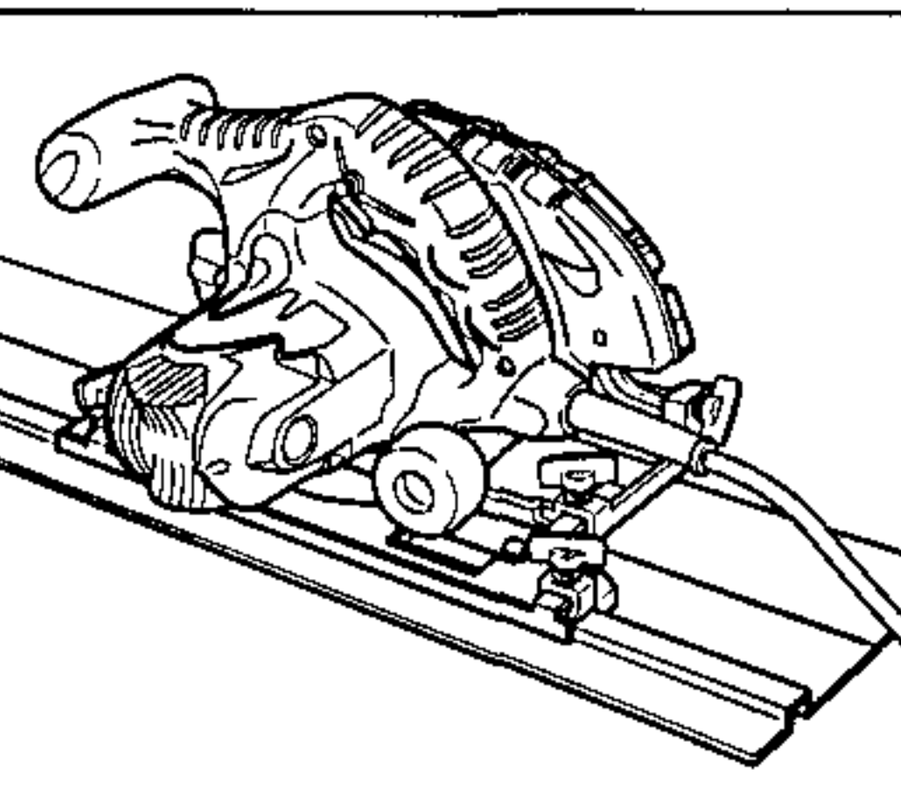
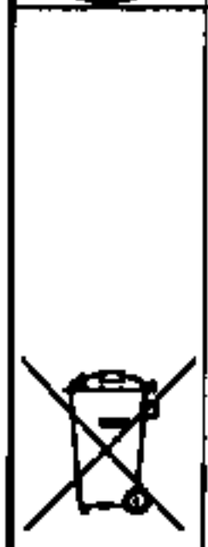


	Nederlands	Español	Português	Ελληνικά
①	Zaaghout	Madera útil	Madeira	Ξυλεία
②	Basisplaat	Base	Base	Βάση
③	Werkbank	Banco de trabajo	Bancada de trabalho	Πάγκος εργασίας
④	Zaagblad	Cuchilla de sierra	Lâmina de serra	Πριονωτή λεπίδα
⑤	Handgreep	Asidero lateral	Empunhadura lateral	Πλευρική λαβή
⑥	Platkopschroef M6 × 16	Tornillo de cabeza plana M6 × 16	Parafuso de cabeça chata M6 × 16	Βίδα Επίπεδης Κεφαλής M6 × 16
⑦	Handgreep	Mango	Cabo	Λαβή
⑧	Knop	Perilla	Comando	Κουμπί
⑨	Splijtwig	Cuchilla hendidora	Lâmina fendida	Διαχωριστικό μαχαίρι
⑩	Imbusbout	Perno de cabeza hexagonal	Parafuso de cabeça sextavada	Εξάγωνο μπουλόνι
⑪	Vleugelmoer	Perno de mariposa	Porca de orelhas	Φτερωτό παξιμάδι
⑫	Vleugelmoer	Perno de mariposa	Parafuso-borboleta	Φτερωτό μπουλόνι
⑬	Aanslagplaat	Guía	Guarda	Οδηγός
⑭	Markeerlijn	Línea de trazado	Linha de referência	Προσημειωμένη γραμμή
⑮	Geleider	Pieza guía	Peça da guarda	Οδηγητικό κομμάτι
⑯	Voorste schaal bij niet hellend zaagblad	Escala frontal sin inclinación	Escala frontal sem inclinação	Μπροστινή κλίμακα όταν δεν βρίσκεται σε κλίση
⑰	Voorste schaal bij hellend zaagblad (45°)	Escala frontal con 45° de inclinación	Escala frontal com 45° de inclinação	Μπροστινή κλίμακα με κλίση 45°
⑱	M4 schroef	Tornillo M4	Parafuso M4	M4 Βίδα
⑲	Palhefboom	Palanca de cierre	Alavanca de bloqueio	Μοχλός κλειδώματος
⑳	Steeksleutel	Llave de barra hexagonal	Chave de barra sextavada	Εξάγωνο κλειδί, άλεν
㉑	Onderlegschijf (B)	Arandela (B)	Arruela (B)	Ροδέλα (B)
㉒	Onderlegschijf (A)	Arandela (A)	Arruela (A)	Ροδέλα (A)
㉓	As	Husillo	Eixo	Άξονας
㉔	Slijtagegrens	Límite de uso	Limite de desgaste	Όριο φθοράς
㉕	Nr. van de koolborstel	No. de carbón de contacto	Nº de escova de carvão	Αρ. Καρβουνακιού
㉖	Windelhaak	Escuadra	Esquadro	Γνώμονας
㉗	Koploze schroef	Vástago	Parafuso de cabeça ranhurada	Βίδα με εγκοπή
㉘	Stof-verzamelaar	Colector de polvo	Coletor de pó	Συλλογέας σκόνης
㉙	M5-schroef	Tornillo M5	Parafuso M5	Βίδα M5
㉚	M4-schroef	Tornillo M4	Parafuso M4	Βίδα M4
㉛	Hefboom (korte type)	Palanca (tipo corta)	Alavanca (curta)	Μοχλός (κοντός)

	Symbols The following show symbols used for the machine. Be sure that you understand their meaning before use.	**Symbole** Die folgenden Symbole werden für diese Maschine verwendet. Achten Sie darauf, diese vor der Verwendung zu verstehen.	**Symboles** Les symboles suivants sont utilisés pour l'outil. Bien se familiariser avec leur signification avant d'utiliser l'outil.	**Simboli** Di seguito mostriamo i simboli usati per la macchina. Assicurarsi di comprenderne il significato prima dell'uso.
	Read instruction manual.	Bedienungsanleitung lesen.	Lire le mode d'emploi.	Leggere il manuale di istruzioni.
	Wear safety glasses.	Eine Schutzbrille tragen.	Porter des lunettes de sécurité.	Indossare occhialoni di sicurezza.
	Wear hearing protection.	Gehörschutz tragen.	Porter des protections anti-bruit.	Indossare i dispositivi di protezione acustica.
	Only for EU countries Do not dispose of electric tools together with household waste material! In observance of European Directive 2002/96/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.	Nur für EU-Länder Werfen Sie Elektrowerkzeuge nicht in den Hausmüll! Gemäss Europäischer Richtlinie 2002/96/EG über Elektro- und Elektronik-Altgeräte und Umsetzung in nationales Recht müssen verbrauchte Elektrowerkzeuge getrennt gesammelt und einer umweltgerechten Wiederverwertung zugeführt werden.	Pour les pays européens uniquement Ne pas jeter les appareils électriques dans les ordures ménagères! Conformément à la directive européenne 2002/96/EG relative aux déchets d'équipements électriques ou électroniques (DEEE), et à sa transposition dans la législation nationale, les appareils électriques doivent être collectés à part et être soumis à un recyclage respectueux de l'environnement.	Solo per Paesi UE Non gettare le apparecchiature elettriche tra i rifiuti domestici. Secondo la Direttiva Europea 2002/96/CE sui rifiuti di apparecchiature elettriche ed elettroniche e la sua attuazione in conformità alle norme nazionali, le apparecchiature elettriche esauste devono essere raccolte separatamente, al fine di essere reimpiegate in modo eco-compatibile.
	Symbolen Hieronder staan symbolen afgebeeld die van toepassing zijn op deze machine. U moet de betekenis hiervan begrijpen voor gebruik.	**Símbolos** A continuación se muestran los símbolos usados para la máquina. Asegúrese de comprender su significado antes del uso.	**Símbolos** A seguir aparecem os símbolos utilizados pela máquina. Assimile bem seus significados antes do uso.	**Σύμβολα** Τα παρακάτω δείχνουν τα σύμβολα που χρησιμοποιούνται στο μηχάνημα. Βεβαιωθείτε ότι κατανοείτε τη σημασίας τους πριν τη χρήση.
	Lees de handleiding.	Lea el manual de instrucciones.	Leia o manual de instruções.	Διαβάστε το εγχειρίδιο οδηγιών.
	Draag een veiligheidsbril.	Use gafas de seguridad.	Utilize óculos de segurança.	Φοράτε γυαλιά ασφαλείας.
	Draag gehoorbescherming.	Utilice protecciones auriculares.	Use proteção auditiva.	Φοράτε προστατευτικά ακοής.
	Alleen voor EU-landen Geef elektrisch gereedschap niet met het huisvuil mee! Volgens de Europese richtlijn 2002/96/EG inzake oude elektrische en elektronische apparaten en de toepassing daarvan binnen de nationale wetgeving, dient gebruikt elektrisch gereedschap gescheiden te worden ingezameld en te worden afgevoerd naar een recycle bedrijf dat voldoet aan de geldende milieu-eisen.	Sólo para países de la Unión Europea ¡No deseche los aparatos eléctricos junto con los residuos domésticos! De conformidad con la Directiva Europea 2002/96/CE sobre residuos de aparatos eléctricos y electrónicos y su aplicación de acuerdo con la legislación nacional, las herramientas eléctricas cuya vida útil haya llegado a su fin se deberán recoger por separado y trasladar a una planta de reciclaje que cumpla con las exigencias ecológicas.	Apenas para países da UE Não deite ferramentas eléctricas no lixo doméstico! De acordo com a directiva europeia 2002/96/CE sobre ferramentas eléctricas e electrónicas usadas e a transposição para as leis nacionais, as ferramentas eléctricas usadas devem ser recolhidas em separado e encaminhadas a uma instalação de reciclagem dos materiais ecológica.	Μόνο για τις χώρες της ΕΕ Μην πετάτε τα ηλεκτρικά εργαλεία στον κάδο οικιακών απορριμμάτων! Σύμφωνα με την ευρωπαϊκή οδηγία 2002/96/ΕΚ περί ηλεκτρικών και ηλεκτρονικών συσκευών και την ενσωμάτωσή της στο εθνικό δίκαιο, τα ηλεκτρικά εργαλεία πρέπει να συλλέγονται ξεχωριστά και να επιστρέφονται για ανακύκλωση με τρόπο φιλικό προς το περιβάλλον.

GENERAL SAFETY RULES

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 of 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

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 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 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 repair person using only identical replacement parts.
This will ensure that the safety of the power tool is maintained.

PRECAUTION

Keep children and infirm persons away.
When not in use, tools should be stored out of reach of children and infirm persons.

SAFETY INSTRUCTIONS FOR ALL SAWS

DANGER!

a) **Keep hands away from 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 workpiece.**
The guard cannot protect you from the blade below the workpiece.

c) **Adjust the cutting depth to the thickness of the workpiece.**
Less than a full tooth of the blade teeth should be visible below the workpiece.

d) **Never hold piece being cut in your hands or across your leg. Secure the workpiece 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 reduces the chance of blade binding.

g) **Always use blades with correct size and shape (diamond versus round) of arbour holes.**
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.

○ **Never use any abrasive wheels**
Burst of abrasive wheel cause serious injury of operator or persons around the working area.

FURTHER SAFETY INSTRUCTIONS FOR ALL SAWS

Causes and operator prevention of kickback:

- kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece 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 misaligned 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 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 workpiece, centre 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 workpiece 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 produce 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.

g) **Use extra caution when making a "plunge cut" into existing walls or other blind areas.**
The protruding blade may cut objects that can cause kickback.

SAFETY INSTRUCTIONS FOR SAWS 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 part, in all angles and depth 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 build-up of debris.

c) **Lower guard should be retracted manually only for special cuts such as "plunge cuts" and "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 the blade to stop after switch is released.

ADDITIONAL SAFETY INSTRUCTIONS FOR ALL SAWS WITH RIVING KNIFE

a) **Use the appropriate riving knife for the blade being used.**
For the riving knife to work, it must be thicker than the body of the blade but thinner than the tooth set of the blade.

b) **Adjust the riving knife as described in this instruction manual.**
Incorrect spacing, positioning and alignment can make the riving knife ineffective in preventing kickback.

c) **Always use the riving knife except when plunge cutting.**
Riving knife must be replaced after plunge cutting. Riving knife causes interference during plunge cutting and can create kickback.

d) **For the riving knife to work, it must be engaged in the workpiece.**
The riving knife is ineffective in preventing kickback during short cuts.

e) **Do not operate the saw if riving knife is bent.**
Even a light interference can slow the closing rate of a guard.

PRECAUTIONS ON USING CIRCULAR SAW

1. Do not use saw blades which are deformed .or cracked.
2. Do not use saw blades made of high speed steel.
3. Do not use saw blades which do not comply with the characteristics specified in these instructions.
4. Do not stop the saw blades by lateral pressure on the disc.
5. Always keep the saw blades sharp.
6. Ensure that the lower guard smoothly and freely.
7. Never use the circular saw with its lower guard fixed in the open position.
8. Ensure that the retraction mechanism of the guard system operates correctly.
9. The saw blades body must be thinner than the riving knife and the width of cut, or kerf (with teeth set) must be greater than the thickness of the riving knife.
10. Never operate the circular saw with the saw blade turned upward or to the side.
11. Ensure that the material is free of foreign matters such as nails.
12. The riving knife should always be used except when plunging in the middle of the workpiece.
13. For models C9U2 and C9BU2, the saw blades should be 235 mm.
14. For model C9BU2, be careful of brake kickback. C9BU2 model features an electric brake that functions when the switch is released. As there is some kickback when the brake functions, be sure to hold the main body securely.
15. Sparks can sometimes appear caused by braking operation when the switch is turned off since C9BU2 model employ electric brakes. Be informed, however, that this phenomenon is not a machine trouble.
16. For model C9BU2, when the brake becomes ineffective, replace the carbon brushes with new ones.
17. Disconnect the plug from the receptacle before carrying out any adjustment, servicing or maintenance.

SPECIFICATIONS

Model		C9U2	C9BU2
Voltage (by areas)*		(110V, 230V) ∿	
Cutting Depth	90°	86 mm	
	45°	65 mm	
Power Input*		1670 W / 2000 W	
No-Load Speed		5000 min^{-1}	
Weight (without cord)		6.8 kg	

*Be sure to check the nameplate on product as it is subject to change by areas.

STANDARD ACCESSORIES

(1) Saw Blade (Dia. 235 mm) (mounted on tool) 1
(2) Hex. bar wrench 1
(3) Guide 1
(4) Wing-bolt 1
(5) Lever (short type) 1
(6) Dust collector 1
Standard accessories are subject to change without notice.

OPTIONAL ACCESSORIES (sold separately)

(1) Washer (A) ...for 16 mm (Hole dia. of saw blade)
...for 30 mm (Hole dia. of saw blade)
(2) Guide Rail Adapter (See **Fig. 14**)

Optional accessories are subject to change without notice.

APPLICATION

Cutting various types of wood.

PRIOR TO OPERATION

1. **Power source**
   Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.
2. **Power switch**
   Ensure that the power switch is in the OFF position. If the plug is connected to a receptacle while the power switch is in the ON position, the power tool will start operating immediately, which could cause a serious accident.
3. **Extension cord**
   When the work area is removed from the power source, use an extension cord of sufficient thickness and rated capacity. The extension cord should be kept as short as practicable.
4. **Prepare a wooden workbench (Fig. 1)**
   Since the saw blade will extend beyond the lower surface of the lumber, place the lumber on a workbench when cutting. If a square block is utilized as a workbench, select level ground to ensure it is properly stabilized. An unstable workbench will result in hazardous operation.
5. **When using the side handle (Fig. 2)**
   Securely attach the side handle to the base with the two flat head screws (M6 × 16) when using the side handle.

CAUTION

To avoid possible accident, always ensure that the portion of lumber remaining after cutting is securely anchored or held in position.

ADJUSTING THE SAW PRIOR TO USE

1. **Adjusting the cutting depth**
   As shown in **Fig. 3**, hold the handle with one hand while loosening the knob with the other.
   The cutting depth can be adjusted by moving the base to the desired position. In such manner adjust the cutting depth and then securely retighten the knob.
2. **Adjusting the riving knife**
   Loosen the hexagonal - socket bolt used to clamp the riving knife, adjust the riving knife so that the distance between the riving knife and the rim of the blade is not more than 3 mm, and the rim of the blade does not extend more than 3 mm beyond the lowest edge of the riving knife (**Fig. 4**) and securely retighten the bolt.
3. **Adjusting the angle of inclination**
   As shown in **Fig. 5 (A)**, **Fig. 5 (B)** by loosening the wing-nut on the incline gauge and the wing-bolt on the base, the saw blade may be inclined to a maximum angle of 45° in relation to the base. After having completed the adjustment, reconfirm that the wing-nut and the wing-bolt are firmly tightened.
4. **Regulating the guide (Fig. 6)**
   The cutting position can be regulated by moving the guide to the left or right after loosening its wingbolt. The guide may be mounted on either the right or left side of the tool.
5. **Adjusting the guide piece**
   On the circular saw, it is possible to make fine adjustment of the fixing position of the guide piece, where the saw blade and the premarked line are to be aligned.
   When the saw is shipped from the factory, the linear portion of a front scale on the guide piece is aligned with the central position of the saw blade (**Fig. 7**).
   Loosen the fixed M4 screw on the guide piece, should the fixing position be wrong, and make necessary adjustment of the position.
6. **Using the dust collector**
   To use the vacuum cleaner to gather up saw dust, attach the suction hose to the dust collector which is attached to the main unit by M4 and M5 screws. When attaching the dust collector always be sure to change the lever to the short type at this same time (**Fig. 13**).

CAUTION

Continuing to use the lever that was attached to the main unit prior to shipping from the factory will cause it to bind on the dust collector and will interfere with the lower guard operation.

CUTTING PROCEDURES

1. Place the base on the material, then align the premarked line and the sawblade with the guide piece front scale section at the front of the base (**Fig. 7**).
   When the base is not slanted, use the large cutout as the guide (**Fig. 7, Fig. 8 (A)**).
   If the base is slanted (45 degrees), use the small front scale as the guide (**Fig. 7, Fig. 8 (B)**).
2. Ensure that the switch is turned to the ON position before the saw blade comes in contact with the lumber. The switch is turned ON when the trigger is squeezed; and OFF when the trigger is released.
3. Moving the saw straight at a constant speed will produce optimum cutting.

CAUTIONS

Prior to cutting operation, make sure the material you are going to cut. If the material to be cut is expected to generate harmful / toxic dusts, make sure the dust bag or appropriate dust extraction system is connected with dust outlet tightly.
Wear the dust mask additionally, if available.
A coating of PFTE is applied to the bases of the C9BU2 type. Be careful not to press too hard on the unit body since this tends to place a heavy load on the motor. Using a gentle pressure will make the piece slide easier and allow cutting with less force. Trying to cut wood that is covered with hard particle material such as sand or metal chips tends to easily scratch damage the surface coating so use caution.

- ○ Before starting to saw, ensure that the saw blade has reached full speed revolution.
- ○ Should the saw blade be stopped or made an abnormal noise during operation, turn off the switch immediately.
- ○ Always take care in preventing the power cord from coming near the revolving saw blade.
- ○ Using the circular saw with the saw blade facing upwards or sideways is very hazardous. Such uncommon applications should be avoided.

○ When cutting materials, always wear protective glasses.
○ When finished with a job, pull out the plug from the receptacle.

MOUNTING AND DISMOUNTING THE SAW BLADE

CAUTION
To avoid serious accident, ensure the switch is in the OFF position, and the power source is disconnected.

1. Dismounting the saw blade
(1) Set the cutting volume at maximum, and place the Circular Saw as shown in **Fig. 9**.
(2) Depress the lock lever, lock the spindle, and remove the hexagonal-socket bolt with the Hex. bar wrench.
(3) While holding the lower guard lever to keep the lower guard fully retracted into the saw cover, remove the saw blade.

2. Mounting the Saw Blade
(1) Thoroughly remove any sawdust which has accumulated on the spindle, bolt and washers.
(2) As shown in **Fig. 10**, the side of Washer (A) with a projected center the same diameter as the inner diameter of the saw blade and the concave side of Washer (B) must be fitted to the saw blade sides.
* Washer (A) is supplied for 2 types of saw blades with the hole diameters of 16 mm and 30 mm. (When buying the Circular Saw, one type of washer (A) is supplied.)
In case the hole diameter of your saw blade does not correspond to that of washer (A), please contact the shop where you purchased the Circular Saw.
(3) To assure proper rotation direction of the saw blade, the arrow direction on the saw blade must coincide with the arrow direction on the saw cover.
(4) Using the fingers, tighten the hexagonal-socket bolt retaining the saw blade as much as possible. Then depress the lock lever, lock the spindle, and thoroughly tighten the bolt.

CAUTION
After having attached the saw blade, reconfirm that the lock lever is firmly secured in the prescribed position.

MAINTENANCE AND INSPECTION

1. Inspecting the saw blade
Since use of a dull saw blade will degrade efficiency and cause possible motor malfunction, sharpen or replace the saw blade as soon as abrasion is noted.

2. Inspecting the mounting screws
Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result in serious hazard.

3. Inspecting the carbon brushes (Fig. 11)
The motor employs carbon brushes which are consumable parts. Since an excessively worn carbon brush can result in motor trouble, replace the carbon brushes with new ones having the same carbon brush No. shown in the figure when it becomes worn to or near the "wear limit". In addition, always keep carbon brushes clean and ensue that they slide freely within the brush holders.

CAUTION
○ When replacing the new carbon brushes, always use genuine Hitachi carbon brushes with the number specified in the drawing.
○ For model C9BU2 , the brake may not work if other than the specified carbon brushes are used.
When the brake becomes ineffective, replace the carbon brushes with new ones.

4. Replacing carbon brushes
Disassemble the brush caps with a slotted-head screwdriver. The carbon brushes can then be easily removed.

5. Maintenance of the motor
The motor unit winding is the very "heart" of the power tool.
Exercise due care to ensure the winding does not become damaged and/or wet with oil or water.

6. Adjusting the base and saw blade to maintain perpendicularity
The angle between the base and the saw blade has been adjusted to 90°, however should this perpendicularity be lost for some reason, adjust in the following manner:
(1) Turn the base face up (**Fig. 12**) and loosen the wing-nut and wing-bolt (**Fig. 5 (A), Fig. 5 (B)**).
(2) Apply a square to the base and the saw blade and turning the slotted set screw with a slotted-head screwdriver, shift the position of the base to produce the desired right angle.

7. Service parts list
A: Item No.
B: Code No.
C: No. Used
D: Remarks

CAUTION
Repair, modification and inspection of Hitachi Power Tools must be carried out by a Hitachi Authorized Service Center.
This Parts List will be helpful if presented with the tool to the Hitachi Authorized Service Center when requesting repair or other maintenance.
In the operation and maintenance of power tools, the safety regulations and standards prescribed in each country must be observed.

MODIFICATION
Hitachi Power Tools are constantly being improved and modified to incorporate the latest technological advancements.
Accordingly, some parts (i.e. code numbers and/or design) may be changed without prior notice.

GUARANTEE

We guarantee Hitachi Power Tools in accordance with statutory/country specific regulation. This guarantee does not cover defects or damage due to misuse, abuse, or normal wear and tear. In case of complaint, please send the Power Tool, undismantled, with the GUARANTEE CERTIFICATE found at the end of this Handling instruction, to a Hitachi Authorized Service Center.

NOTE
Due to HITACHI's continuing program of research and development, the specifications herein are subject to change without prior notice.

IMPORTANT
Correct connection of the plug
The wires of the main lead are coloured in accordance with the following code:

Blue: – Neutral
Brown: – Live

As the colours of the wires in the main lead of this tool may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire coloured blue must be connected to the terminal marked with the letter N or coloured black.
The wire coloured brown must be connected to the terminal marked with the letter L or coloured red.
Neither core must be connected to the earth terminal.

NOTE
This requirement is provided according to BRITISH STANDARD 2769: 1984.
Therefore, the letter code and colour code may not be applicable to other markets except The United Kingdom.

Information concerning airborne noise and vibration
The measured values were determined according to EN 60745 and declared in accordance with ISO 4871.

Measured A-weighted sound power level: 110 dB(A)
Measured A-weighted sound pressure level: 99 dB(A)
Uncertainty KpA: 3 dB(A)

Wear ear protection.

The typical weighted root mean square acceleration value: 2.5 m/s².