

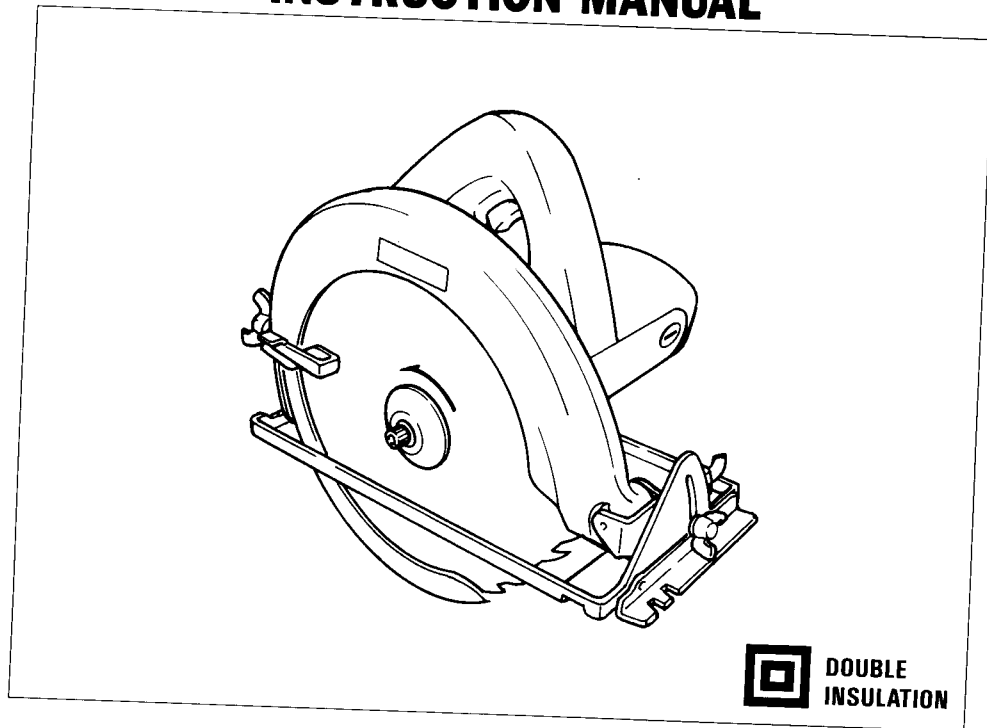
# Makita

カーストリア  
ニューブランド

## Circular Saw

160 mm (6-1/4") MODEL 5606B  
185 mm (7-1/4") MODEL 5806B

### INSTRUCTION MANUAL



#### SPECIFICATIONS

Model	Blade diameter	Max. cutting capacities		No load speed (RPM)	Overall length	Net weight
		90°	45°			
5606B	160 mm (6-1/4")	55 mm (2-1/8")	36 mm (1-3/8")	4,700	268 mm (10-9/16")	3.1 kg (6.8 lbs)
5806B	185 mm (7-1/4")	66 mm (2-19/32")	44 mm (1-23/32")	4,700	282 mm (11-1/32")	3.5 kg (7.7 lbs)

\* Manufacturer reserves the right to change specifications without notice.  
\* Note: Specifications may differ from country to country.

## ADDITIONAL SAFETY RULES

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. Keep Blades Clean and Sharp. Sharp blades minimize stalling and kickback.
6. **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.

### 7. Support Large Panels.

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 work piece, the saw shall be rested on the larger portion and the smaller piece cut off.

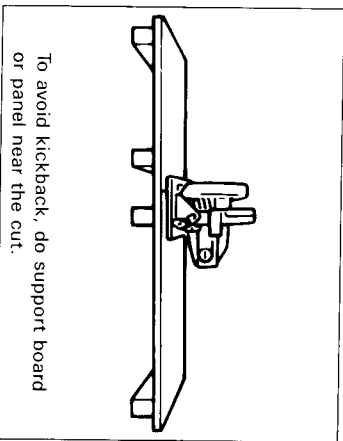


Fig. 1

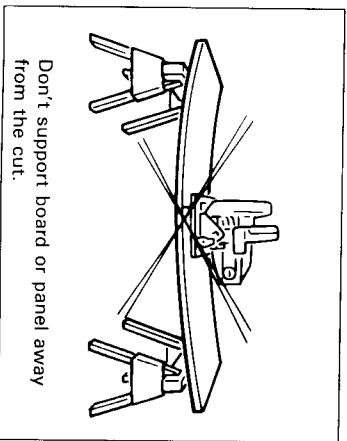


Fig. 2

### 8. Use Rip Fence.

Always use a fence or straight edge guide when ripping.

### 9. Guard Against Kickback.

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.

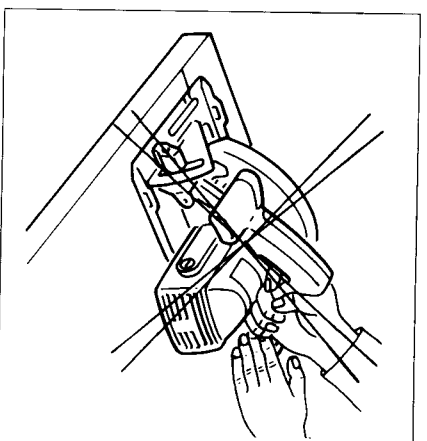


Fig. 3

10. Lower Guard. Raise lower guard with the retracting handle.

11. Adjustments. Before cutting be sure depth and bevel adjustments are tight.

12. Use Only Correct Blades In Mounting. Don't use blades with incorrect size holes. Never use defective or incorrect blade washers or bolts.

13. Avoid Cutting Nails. Inspect for and remove all nails from lumber before cutting.

14. 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.

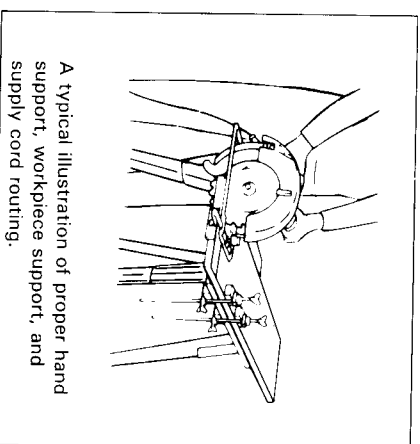


Fig. 4

### 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.

15. 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 examples, 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!**

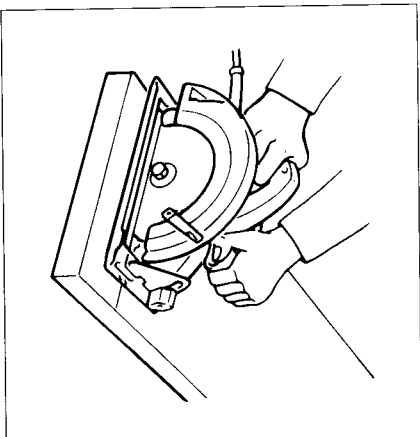


Fig. 5

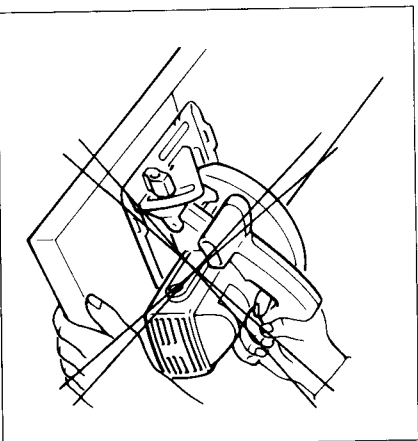


Fig. 6

16. Never attempt to saw with the circular saw held upside down in a vise. This is extremely dangerous and can lead to serious accidents.

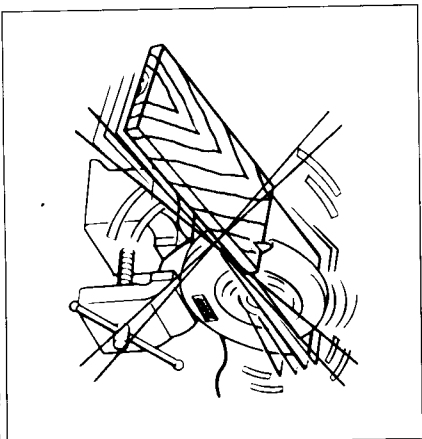


Fig. 7

17. 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. **SAVE THESE INSTRUCTIONS.**

#### Removing or installing saw blade

##### CAUTION:

Always be sure that the tool is switched off and unplugged before removing or installing the blade.

To remove the blade, press the shaft lock so that the blade cannot revolve and use the hex wrench to loosen the hex bolt counterclockwise. Then remove the hex bolt, outer flange and blade.

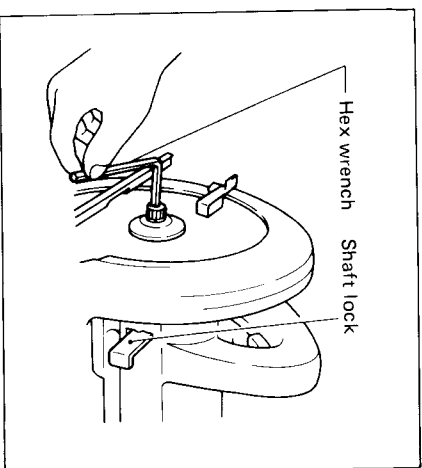


Fig. 8

To install the blade, follow the removal procedure in reverse. **BE SURE TO TIGHTEN THE HEX SOCKET HEAD BOLT SECURELY.**

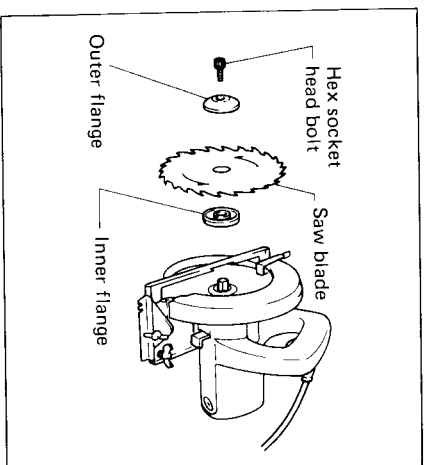


Fig. 9

**CAUTION:**

- Be sure the blade is installed with teeth pointing up at the front of the tool.
- Use only the Makita hex wrench to install or remove the blade.
- The inner flange has a 20 mm (13/16") diameter on one side and a 19 mm (3/4") diameter on the other. The side with 19 mm (3/4") diameter is marked by "19". 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.

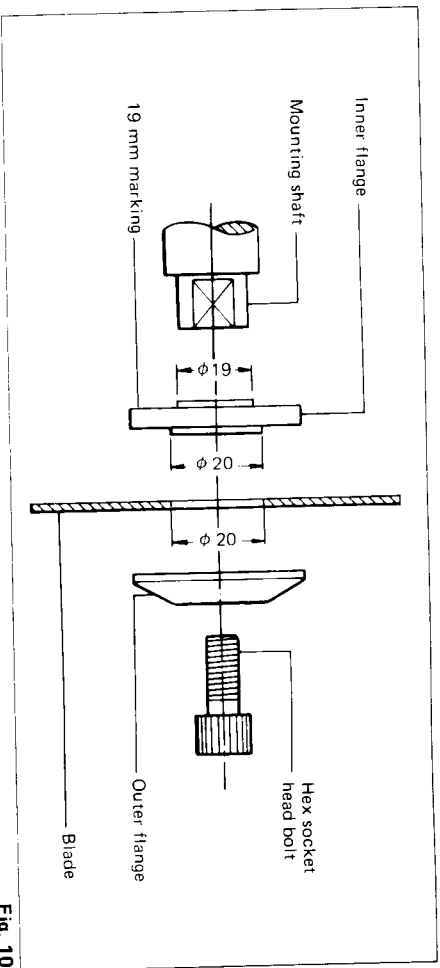


Fig. 10

**Adjusting depth of cut**

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

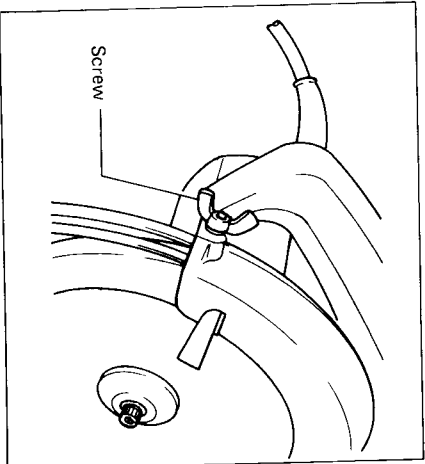


Fig. 11

**CAUTION:**

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

**Bevel cutting**

Loosen the screw on the bevel scale plate on the front of the base. Set for the desired angle (0-45°) by tilting accordingly, then tighten the screw securely.

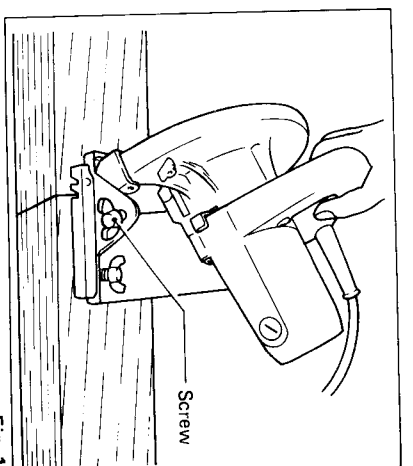


Fig. 12

**Sighting**

For straight cuts, align the right notch in the top guide with your cutting line on the workpiece. For 45° bevel cuts, align the left notch with it.

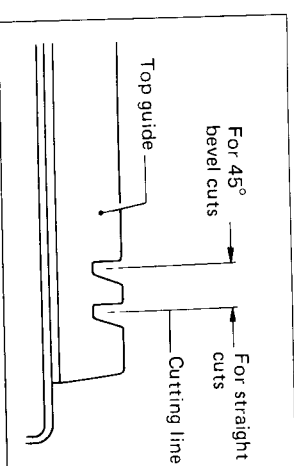


Fig. 13

**Switch action**

To start the tool, simply pull the trigger. Release the trigger to stop.

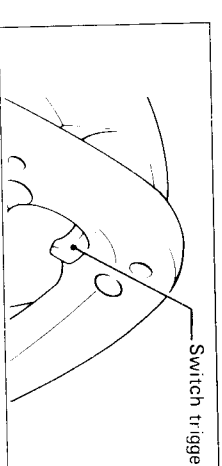


Fig. 14

**CAUTION:**

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

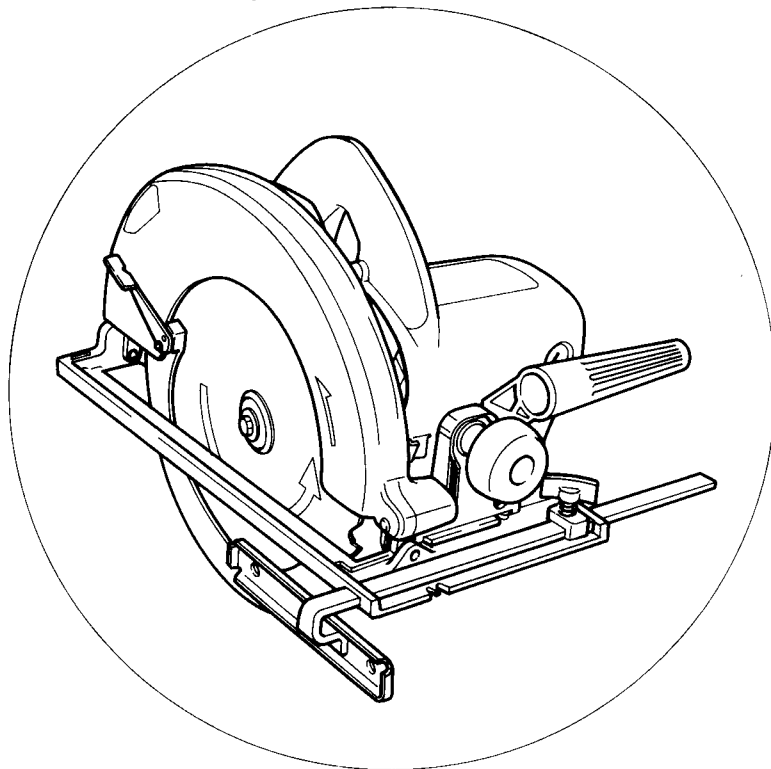
# HITACHI

**CIRCULAR SAW  
SIERRA CIRCULAR**

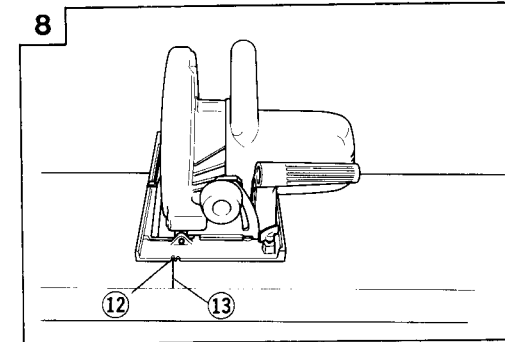
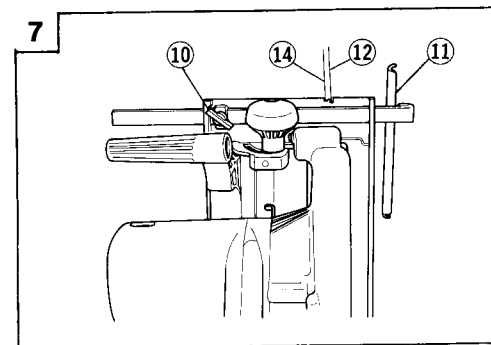
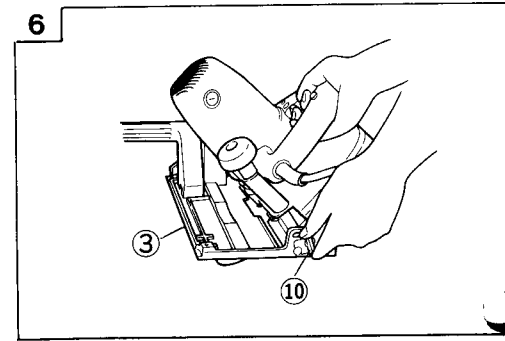
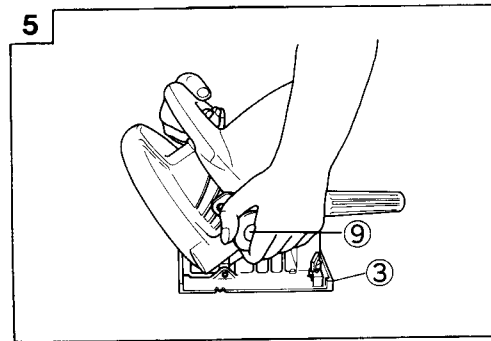
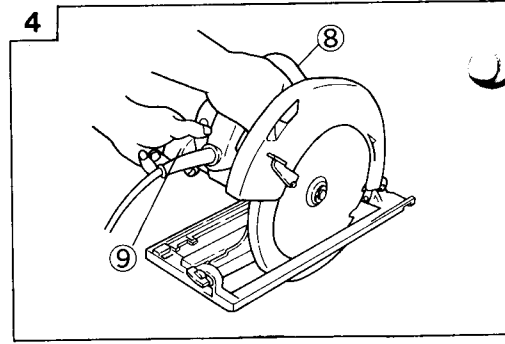
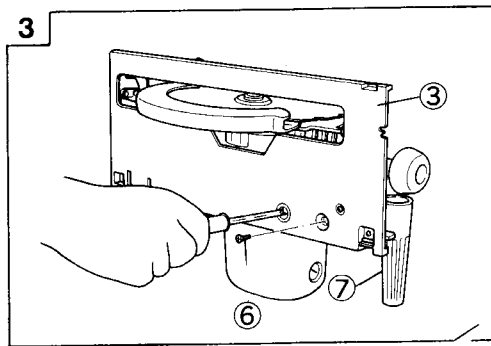
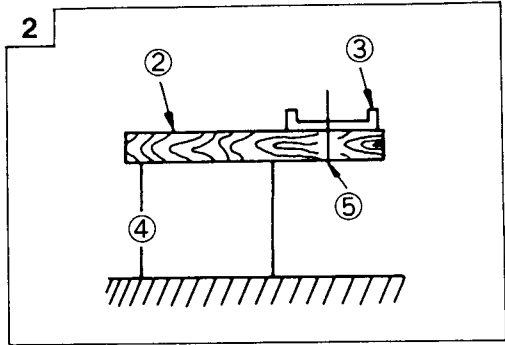
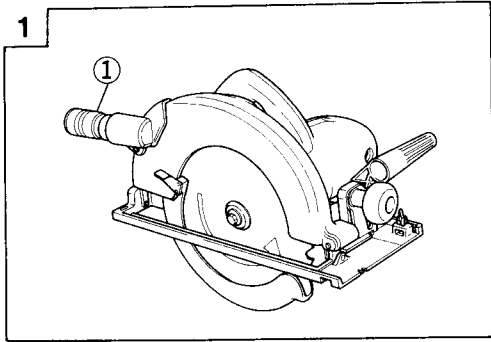
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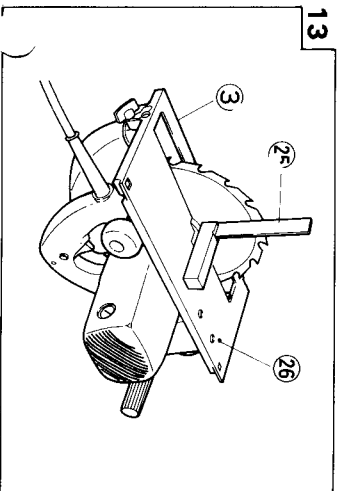
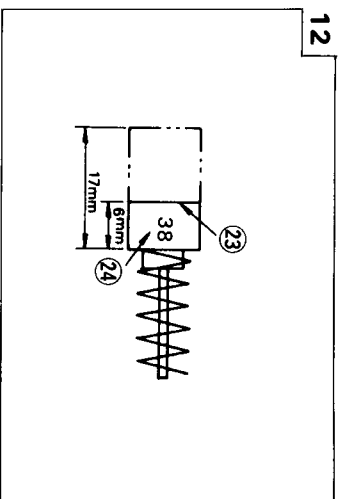
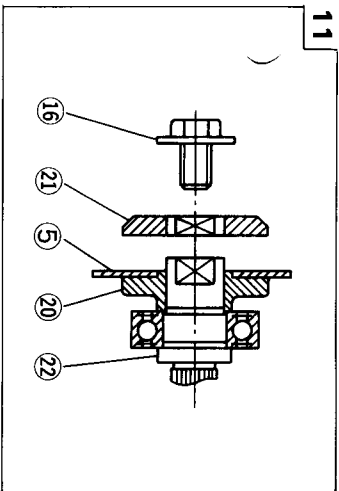
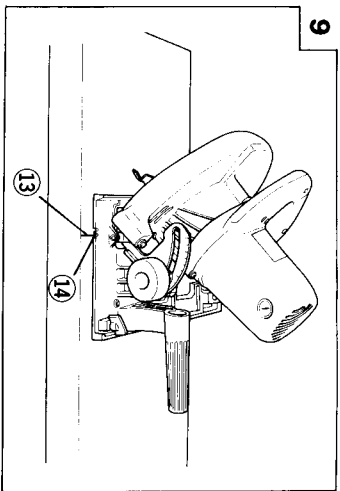
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**HANDLING INSTRUCTIONS  
INSTRUCCIONES DE MANEJO  
使用說明書**



Read through carefully and understand these instructions before use.  
Leer cuidadosamente y comprender estas instrucciones antes del uso.  
使用前務請詳加閱讀





English	Español	中國語
1 Dust collector	Colector de polvo	鋸末收集器
2 Lumber	Madera útil	鋸木
3 Base	Base	底座
4 Work bench	Banco de trabajo	工作臺
5 Saw blade	Cuchilla de sierra	鋸條
6 Flat hd. screw M6 x 16	Tornillo de cabeza plana M6 x 16	平頭螺絲釘 (M6x16)
7 Side handle	Asidero lateral	側緊
8 Handle	Mango	手握把柄
9 Knob	Perrilla	捏手
10 Wing bolt, Lock spring	Perno de mariposa, Resorte de bloqueo	蝶形螺栓, 鎖緊彈簧
11 Guide	Guía	引導器
12 Front scale when not inclined	Escala frontal sin inclinación	非傾斜前標尺
13 Marking-off-line	Línea de trazado	偏離線
14 Front scale at 45° inclined	Escala frontal con 45° de inclinación	45度傾斜前標尺
15 Box wrench	Llave anular	套筒扳手
16 Hexagonal-head bolt	Perno de cabeza exagonal	六角頭螺栓
17 Lock lever	Palanca de cierre	緊桿
18 Loosen	Soltar	鬆
19 Tighten	Apretar	緊
20 Washer (A)	Arandela (A)	襯墊(A)
21 Washer (B)	Arandela (B)	襯墊(B)
22 Spindle	Husillo	心軸
23 Wear limit	Límite de uso	磨損極限
24 No. of carbon brush	No. de carbón de contacto	碳刷號
25 Square	Escuadra	矩尺
26 Slotted set screw	Vástago	帶槽口定位螺栓

**GENERAL OPERATIONAL PRECAUTIONS**

- 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 a confined space where body movement may be restricted.  
Don't use tool in presence of flammable liquids or gases.  
Power tools produce sparks during operation. They also spark when switching ON/OFF.  
Never use power tools in dangerous sites containing lacquer, paint, benzine, thinner, gasoline, gases, adhesive agents, and other materials which are combustible or explosive.
- 3. GUARD AGAINST ELECTRIC SHOCK.**  
Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
- 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 and high or locked-up place-out of 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 tool or attachment to do the job of a heavy-duty tool.  
Don't use tool for purpose 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. WEAR EYE PROTECTION.**  
Also use face or dust mask if cutting operation is dusty.  
Fast-moving particles from the work can cause eye injury. When dust is being generated by the process, a dust respirator should be worn to prevent its inhalation. In the long term, exposure to dust inhalation may cause lung damage. In an industrial situation these precautions are mandatory. Do not risk your health by ignoring these precautions.
- 10. DON'T ABUSE CORD.**  
Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- 11. 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.
- 12. DON'T OVERREACH.**  
Keep proper footing and balance at all times.
- 13. 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.
- 14. DISCONNECT TOOLS FROM POWER BEFORE MAKING ADJUSTMENTS.**  
When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.
- 15. REMOVE ADJUSTING KEYS AND WRENCHES.**  
From habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 16. AVOID UNINTENTIONAL STARTING.**  
Don't carry plugged-in tool with finger on switch.  
Be sure switch is off when plugging in.
- 17. OUTDOOR USE EXTENSION CORDS.**  
When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- 18. STAY ALERT.**  
Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- 19. 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 authorized service center. Do not use tool if switch does not turn it on and off.
- 20.** Do not use power tools for applications other than those specified in the Handling Instructions.
- 21.** To ensure the designed operational integrity of power tools, do not remove installed covers or screws.
- 22.** Do not touch movable parts or accessories unless the power source has been disconnected.

- 23.** Use your tool at lower input than specified on the nameplate; otherwise, the finish may be spoiled and working efficiency reduced due to motor overload.
- 24. DO NOT WIPE PLASTIC PARTS WITH SOLVENT.**  
Solvents such as gasoline, thinner, benzene, carbon tetrachloride, alcohol, ammonia and oil containing chloro annex may damage and crack

#### PRECAUTIONS ON USING CIRCULAR SAW

- Never use the circular saw with its safety cover (moving guard) fixed in the open position.
- CHECK OPERATION OF SAFETY COVER (MOVING GUARD).**  
Check that safety cover (moving guard) moves freely and covers that portion of the blade which protrudes beyond the shoe.
- ADJUST FOR CORRECT BLADE PROTRUSION.**
- Never operate the circular saw with the saw blade turned upward or to the side.
- Ensure that blade rotation has stopped before setting the tool down or attempting to make any adjust.
- AVOID CUTTING NAILS.**  
Inspect for and remove all nails from lumber before cutting.
- SUPPORT LARGE PANELS.**  
Large panels must be supported as shown in Fig. 14 to minimize the risk of blade pinching and kickback. When cutting operation requires the resting of saw on the work piece, the saw shall be rested on the larger portion and the smaller piece cut off.

#### A TYPICAL ILLUSTRATION OF SUPPORT LARGE PANELS

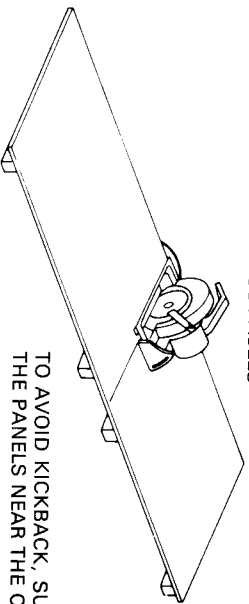


Fig. 14

TO AVOID KICKBACK, SUPPORT THE PANELS NEAR THE CUT

#### 8. WARNING :

It is important to support the work properly and to hold the saw firmly to prevent loss of control which could cause personal injury. Fig. 15 illustrates typical hand support of the saw. When operating the saw, keep the cord away from the cutting area and position it so that it will not be caught on the work piece during the cutting operation.

#### A TYPICAL ILLUSTRATION OF PROPER HAND SUPPORT, WORK SUPPORT, AND SUPPLY CORD ROUTING

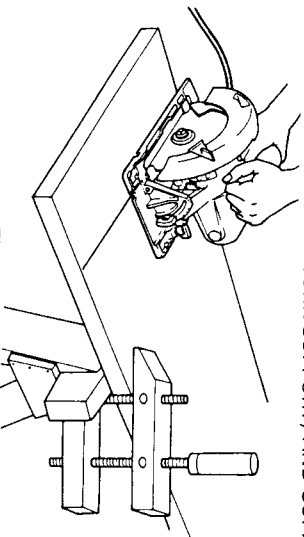


Fig. 15

- plastic parts. Do not wipe them with such solvent. Wipe plastic parts with a soft cloth lightly dampened with soapy water.
- 25.** Consult an authorized Service Agent in the event of power tool failure.
- 26.** Use only original HITACHI replacement parts.
- 27.** This tool should only be disassembled for replacement of carbon brushes.

#### 9. GUARD AGAINST KICKBACK.

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. 14. Use fence or straight edge guide when ripping. Don't fence tool. Stay alert exercise control. Don't remove saw from work during a cut while the blade is moving.

#### SPECIFICATIONS

Voltage (by areas) *	(110V, 115V, 120V, 127V, 220V, 230V, 240V) ~
Input	1750W *
No-load Speed	5000/min
Cutting Depth	86 mm
Weight (without cord)	7.0 kg

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

#### STANDARD ACCESSORIES

- Saw Blade
  - Box Wrench
  - Guide
  - Wing Bolt
  - Lock Spring
  - Side Handle
  - Flat Hd. Screw M6×16
- Standard accessories are subject to change without notice.

#### OPTIONAL ACCESSORIES — sold separately

- Dust Collector Set  
Connect the suction hose to collect saw dust with the vacuum cleaner (see Fig. 1)
- Optional accessories are subject to change without notice.

#### APPLICATION

Cutting various types of wood.

#### PRIOR TO OPERATION

- Power source**  
Ensure that the power source to be utilized conforms to the power requirements specified on the product nameplate.
- Power switch**  
Ensure that the power switch is in the OFF position. If the plug is connected to a power receptacle while the power switch is in the ON position, the power tool will start operating immediately, inviting serious accident.
- 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.

Don't fence tool.

Stay alert exercise control.

Don't remove saw from work during a cut while the blade is moving.

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

#### 4. Prepare a wooden work bench (Fig. 2)

Since the saw blade will extend beyond the lower surface of the lumber, place the lumber on a work bench when cutting. If a square block is utilized as a work bench, select level ground to ensure it is properly stabilized. An unstable work bench will result in hazardous operation.

#### 5. When using the side handle (Fig. 3)

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

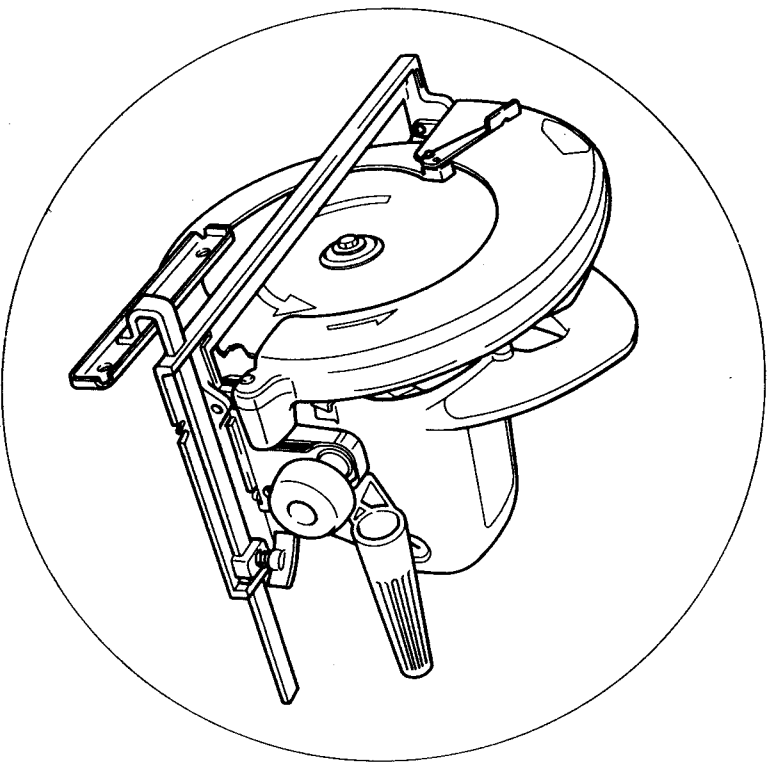
- Adjusting the cutting depth (Fig. 4)**  
As shown in Fig. 4, hold the handle with one hand while loosening the knob with the other. The cutting depth can be adjusted by moving the base to the desired position. In such manner adjust the cutting depth and then securely retighten the knob.
- Adjusting the angle of inclination**  
As shown in Fig. 5, Fig. 6 by loosening the knob on the inclined 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 knob and the wing-bolt are firmly tightened.
- Regulating the guide (Fig. 7)**  
The cutting position can be regulated by moving the guide to the left or right after loosening its wing bolt. The guide may be mounted on either the right or left side of the tool.

# HITACHI

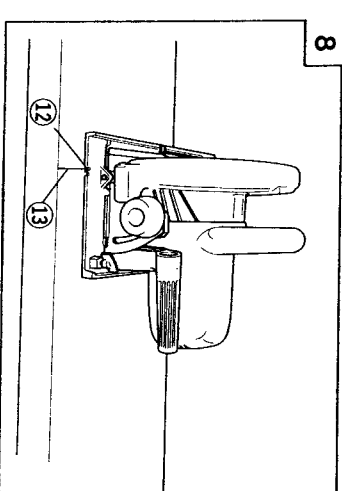
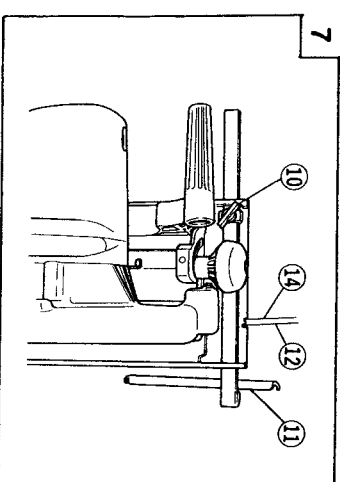
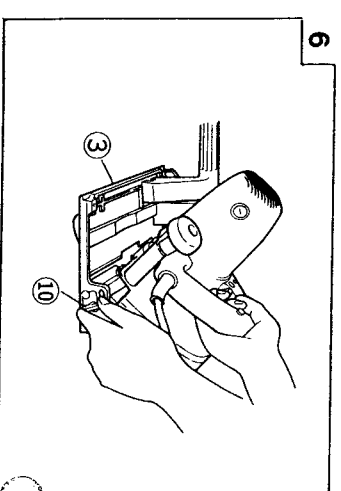
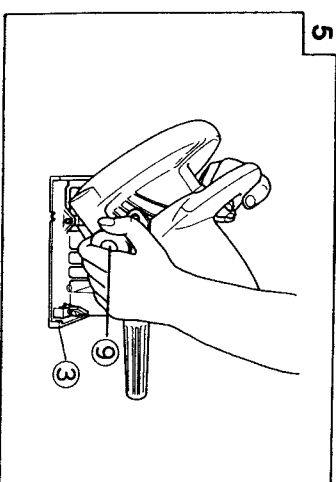
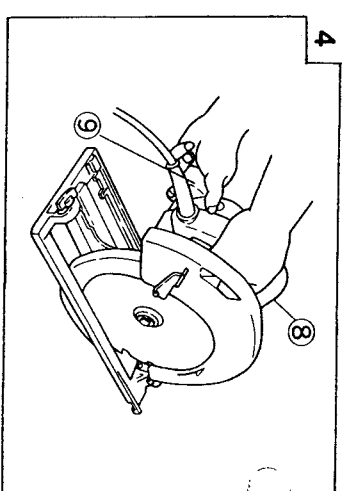
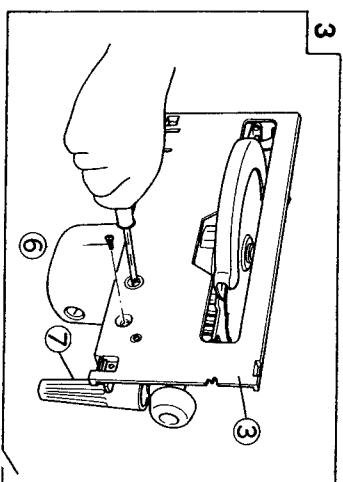
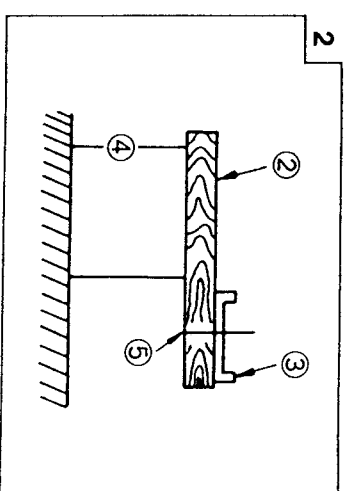
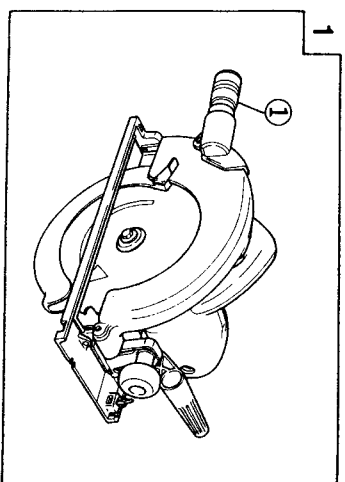
## CIRCULAR SAW SIERRA CIRCULAR 日立牌手提電動圓鋸

C 9

HANDLING INSTRUCTIONS  
INSTRUCCIONES DE MANEJO  
使用說明書



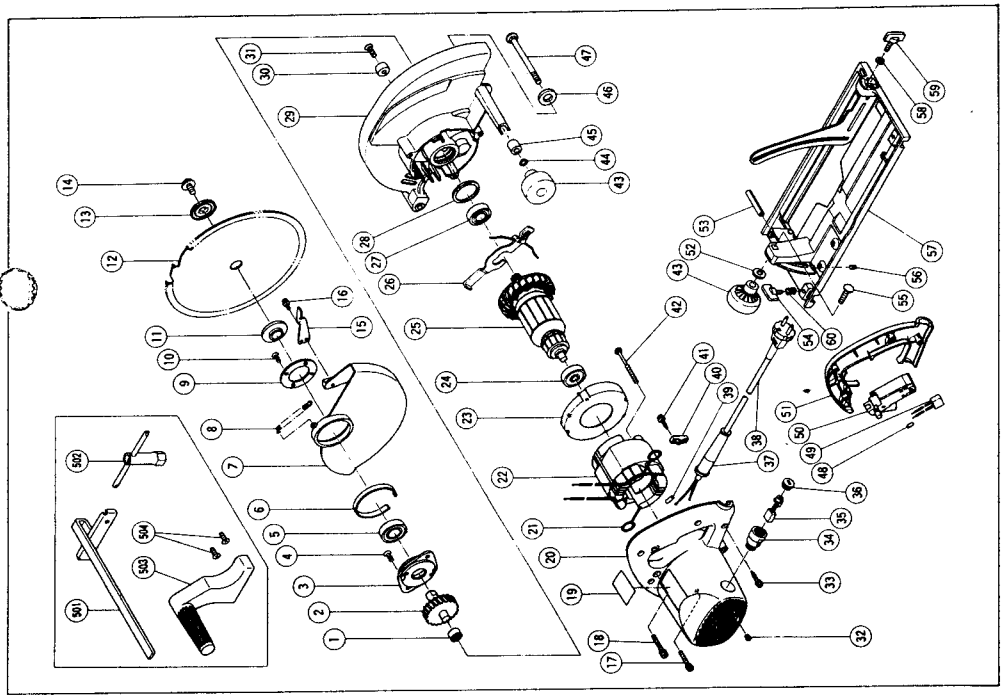
Read through carefully and understand these instructions before use.  
Leer cuidadosamente y comprender estas instrucciones antes del uso.  
使用前務請詳加閱讀

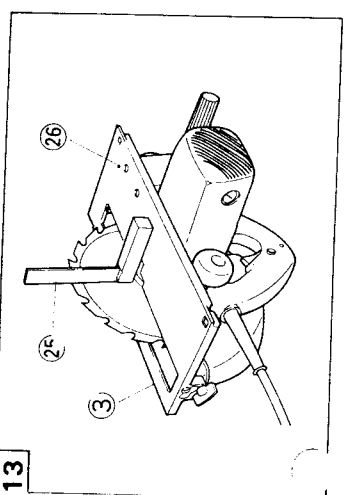
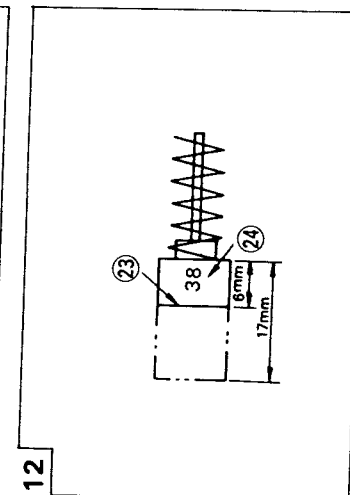
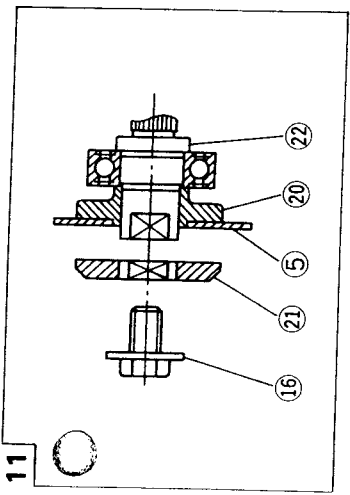
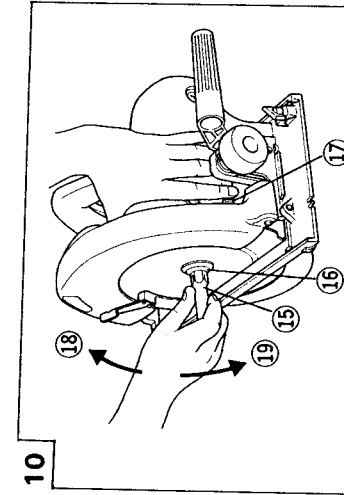
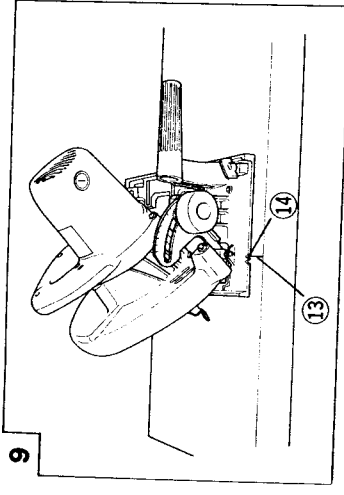


Item No.	Part Name	Part Name
41	Tapping Screw (W/Flange)	D4x18
42	Hex. Hd. Tapping Screw	D5x65
43	Knob	
44	O-ring (P-7)	
45	Sleeve	
46	Washer (B)	
47	Diagonal Bolt	M8
48	Tube (D)	
49	Noise Suppressor	
50	Switch	
51	Handle Cover	
52	Bolt Washer	M8
53	Roll Pin	D8x50
54	Wing Bolt	M6x15
55	Bolt (Square)	M8x30
56	Slotted Hd. Set Screw (Seal Lock)	M6x6
57	Base Ass'y	
58	Washer	M6
59	Wing Bolt (A)	M6x20
60	Spring	
501	Guide	
502	Box Wrench	13MM
503	Side Handle	
504	Flat Hd. Screw	M6x16

Parts are subject to possible modification without notice due to improvements.

Item No.	Part Name	Part Name
1	Needle Bearing (HK1212)	
2	Spindle Gear	
3	Bearing Holder	
4	Seal Lock Flat Hd. Screw	M8x14
5	Ball Bearing (6203VVCMPFS2S)	
6	Liner	
7	Safety Cover	
8	Return Spring	
9	Bearing Cover	
10	Seal Lock Flat Hd. Screw	M5x14
11	Washer (A)	
12	Saw Blade	235MM
13	Washer (B)	
14	Flange Bolt	M8x15.5
15	Knob	
16	Machine Screw (W/Washers)	M4x10
17	Machine Screw (W/Washers)	M5x40
18	Machine Screw (W/Washers)	M5x40
19	Name Platte	
20	Housing Ass'y	
21	Brush Terminal	
22	Stator Ass'y	
23	Fan Guide	
24	Ball Bearing (6300VVCMAV2S)	
25	Armature	
26	Lock Lever	
27	Ball Bearing (6202VVCMPFS2S)	
28	Rubber Ring	
29	Gear Cover Ass'y	
30	Cushion	
31	Flat Hd. Screw	M6x20
32	Hex. Socket Set Screw	M5x8
33	Tapping Screw (W/Flange)	D4x20
34	Brush Holder	
35	Carbon Brush	
36	Brush Cup	
37	Cord Armor	
38	Cord	
39	Tube (D)	
40	Cord Clip	





English	Español	中國語
① Dust collector	Colector de polvo	鋸末收集器
② Lumber	Madera útil	鋸木
③ Base	Base	底座
④ Work bench	Banco de trabajo	工作臺
⑤ Saw blade	Cuchilla de sierra	鋸條
⑥ Flat hd. screw M6 x 16	Tornillo de cabeza plana M6 x 16	平頭螺絲釘 (M6 x 16)
⑦ Side handle	Asidero lateral	側握柄
⑧ Handle	Mango	握手
⑨ Knob	Perilla	鎖形螺絲, 鎖緊彈簧
⑩ Wing bolt, Lock spring	Perno de mariposa, Resorte de bloqueo	引鎖器
⑪ Guide	Gula	非傾斜前標尺
⑫ Front scale when not inclined	Escala frontal sin inclinación	偏離線
⑬ Marking-off line	Línea de trazado	45度傾斜前標尺
⑭ Front scale at 45° inclined	Escala frontal con 45° de inclinación	套筒扳手
⑮ Box wrench	Llave anular	六角顯螺絲
⑯ Hexagonal-head bolt	Perno de cabeza exagonal	緊杆
⑰ Lock lever	Palanca de cierre	鬆
⑱ Loosen	Soltar	緊
⑲ Tighten	Apretar	襯墊(A)
⑳ Washer (A)	Arandela (A)	襯墊(B)
㉑ Washer (B)	Arandela (B)	心軸
㉒ Spindle	Husillo	磨損極限
㉓ Wear limit	Límite de uso	碳刷號
㉔ No. of carbon brush	No. de carbón de contacto	矩尺
㉕ Square	Escuadra	帶槽口定位螺絲
㉖ Slotted set screw	Vástago	

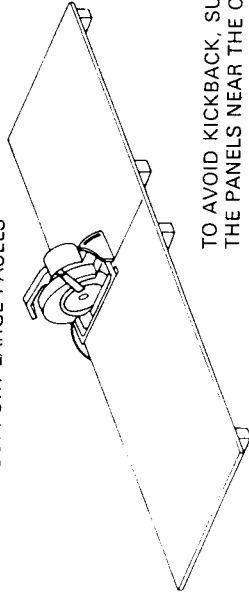


23. Use your tool at lower input than specified on the nameplate; otherwise, the finish may be spoiled and working efficiency reduced due to motor overload.
24. **DO NOT WIPE PLASTIC PARTS WITH SOLVENT.**  
Solvents such as gasoline, thinner, benzene, carbon tetrachloride, alcohol, ammonia and oil containing chloric annex may damage and crack plastic parts. Do not wipe them with such solvent. Wipe plastic parts with a soft cloth lightly dampened with soapy water.
25. Consult an authorized Service Agent in the event of power tool failure.
26. Use only original HITACHI replacement parts.
27. This tool should only be disassembled for replacement of carbon brushes.

#### PRECAUTIONS ON USING CIRCULAR SAW

1. Never use the circular saw with its safety cover (moving guard) fixed in the open position.
2. **CHECK OPERATION OF SAFETY COVER (MOVING GUARD).**  
Check that safety cover (moving guard) moves freely and covers that portion of the blade which protrudes beyond the shoe.
3. **ADJUST FOR CORRECT BLADE PROTRUSION.**
4. Never operate the circular saw with the saw blade turned upward or to the side.
5. Ensure that blade rotation has stopped before setting the tool down or attempting to make any adjustments.
6. **AVOID CUTTING NAILS.**  
Inspect for and remove all nails from lumber before cutting.
7. **SUPPORT LARGE PANELS.**  
Large panels must be supported as shown in Fig. 14 to minimize the risk of blade pinching and kickback. When cutting operation requires the resting of saw on the work piece, the saw shall be rested on the larger portion and the smaller piece cut off.

A TYPICAL ILLUSTRATION OF SUPPORT LARGE PANELS



TO AVOID KICKBACK, SUPPORT THE PANELS NEAR THE CUT

Fig. 14

#### 8. WARNING :

It is important to support the work properly and to hold the saw firmly to prevent loss of control which could cause personal injury. Fig. 15 illustrates typical hand support of the saw. When operating the saw, keep the cord away from the cutting area and position it so that it will not be caught on the work piece during the cutting operation.

A TYPICAL ILLUSTRATION OF PROPER HAND SUPPORT, WORK SUPPORT, AND SUPPLY CORD ROUTING.

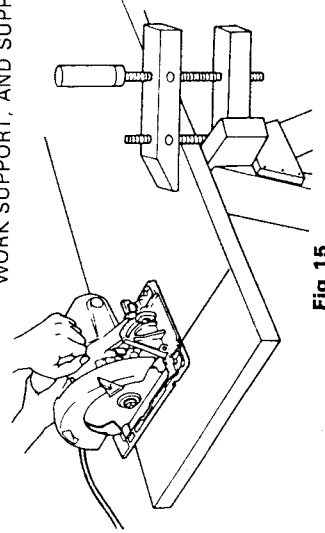


Fig. 15

#### 9. GUARD AGAINST KICKBACK.

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. 14.  
Use fence or straight edge guide when ripping.  
Don't fence tool.  
Stay alert exercise control.  
Don't remove saw from work during a cut while the blade is moving.

#### SPECIFICATIONS

Voltage (by areas) *	(110V, 115V, 120V, 127V, 220V, 230V, 240V)
Input	1750W *
No-load Speed	5000/min
Cutting Depth	86 mm
Weight (without cord)	7.0 kg

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

#### STANDARD ACCESSORIES

- |                          |         |
|--------------------------|---------|
| (1) Saw Blade            | ..... 1 |
| (2) Box Wrench           | ..... 1 |
| (3) Guide                | ..... 1 |
| (4) Wing Bolt            | ..... 1 |
| (5) Lock Spring          | ..... 1 |
| (6) Side Handle          | ..... 1 |
| (7) Flat Hd. Screw M6×16 | ..... 2 |
- Standard accessories are subject to change without notice.

#### OPTIONAL ACCESSORIES — sold separately

- (1) Dust Collector Set  
Connect the suction hose to collect saw dust with the vacuum cleaner (see Fig. 1)

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 power receptacle while the power switch is in the ON position, the power tool will start operating immediately, inviting 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 work bench (Fig. 2)

Since the saw blade will extend beyond the lower surface of the lumber, place the lumber on a work bench when cutting. If a square block is utilized as a work bench, select level ground to ensure it is properly stabilized. An unstable work bench will result in hazardous operation.

#### 5. When using the side handle (Fig. 3)

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 (Fig. 4)**  
As shown in Fig. 4, 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 angle of inclination**  
As shown in Fig. 5, Fig. 6 by loosening the knob on the inclined 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 knob and the wing-bolt are firmly tightened.
3. **Regulating the guide (Fig. 7)**  
The cutting position can be regulated by moving the guide to the left or right after loosening its wing bolt. The guide may be mounted on either the right or left side of the tool.

## English

### CUTTING PROCEDURES

1. Place the saw body (base) on the lumber, and align the marking-off line with the saw blade by use of the front scale. When the base is not inclined, refer to **Fig.7,8**. When the base is inclined to 45°, refer to **Fig.7,9**.
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

- Before starting to saw, ensure that the saw blade has reached full speed revolution.
- Should the saw blade stop or make 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.
- Keep hands away from cutting edges while the circular saw is being operated.
- When cutting veneers or wood not more than 10mm thick, set blade for maximum protrusion to reduce kickback.
- Do not use any lock-on device on the switch, and before commencing the cut, mark the line of the cut.

### 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 (Fig.10)

- (1) Set the cutting depth at maximum, and place the Circular Saw as shown in **Fig.10**.
- (2) Depress the lock lever, lock the spindle, and remove the hexagonal-head bolt with the box wrench.
- (3) While holding the safety cover lever to keep the safety cover fully retracted into the saw cover, remove the saw blade.

#### 2. Mounting the saw blade (Fig.11)

- (1) Thoroughly remove any sawdust which has accumulated on the spindle, bolt and washers.
- (2) For mounting saw blade, the concave sides of both washers (A) and (B) must be fitted to the saw blade sides. Mount the saw blade on the spindle, and finally affix washer (B).
- (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 bolt retaining the saw blade as much as possible. Then depress the lock lever, lock the spindle, and thoroughly tighten the bolt.
- (5) Confirm that the lock lever is in the original 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. 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.

#### 4. Inspecting the carbon brushes (Fig.12)

The motor employs carbon brushes which are consumable parts. Since an excessively worn carbon brush could result in motor trouble, replace the carbon brush with a new one which has the same carbon brush No. as shown in figure when it becomes worn to or near the "wear limit". In addition, always keep carbon brushes clean and ensure that they slide freely within the brush holders.

#### 5. Replacing a carbon brush

Disassemble the brush cap with a minus-head screwdriver. The carbon brush can then be easily removed.

#### CAUTION

Not to tamper with external brush caps, or to continue to use a tool with cracked brush caps.

#### 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.13**) and loosen the knob and wing-bolt (**Fig.5, Fig.6**).
- (2) Apply a square to the base and the saw blade and, turning the slotted set screw with a screwdriver, shift the position of the base to produce the desired right angle.

#### Note:

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