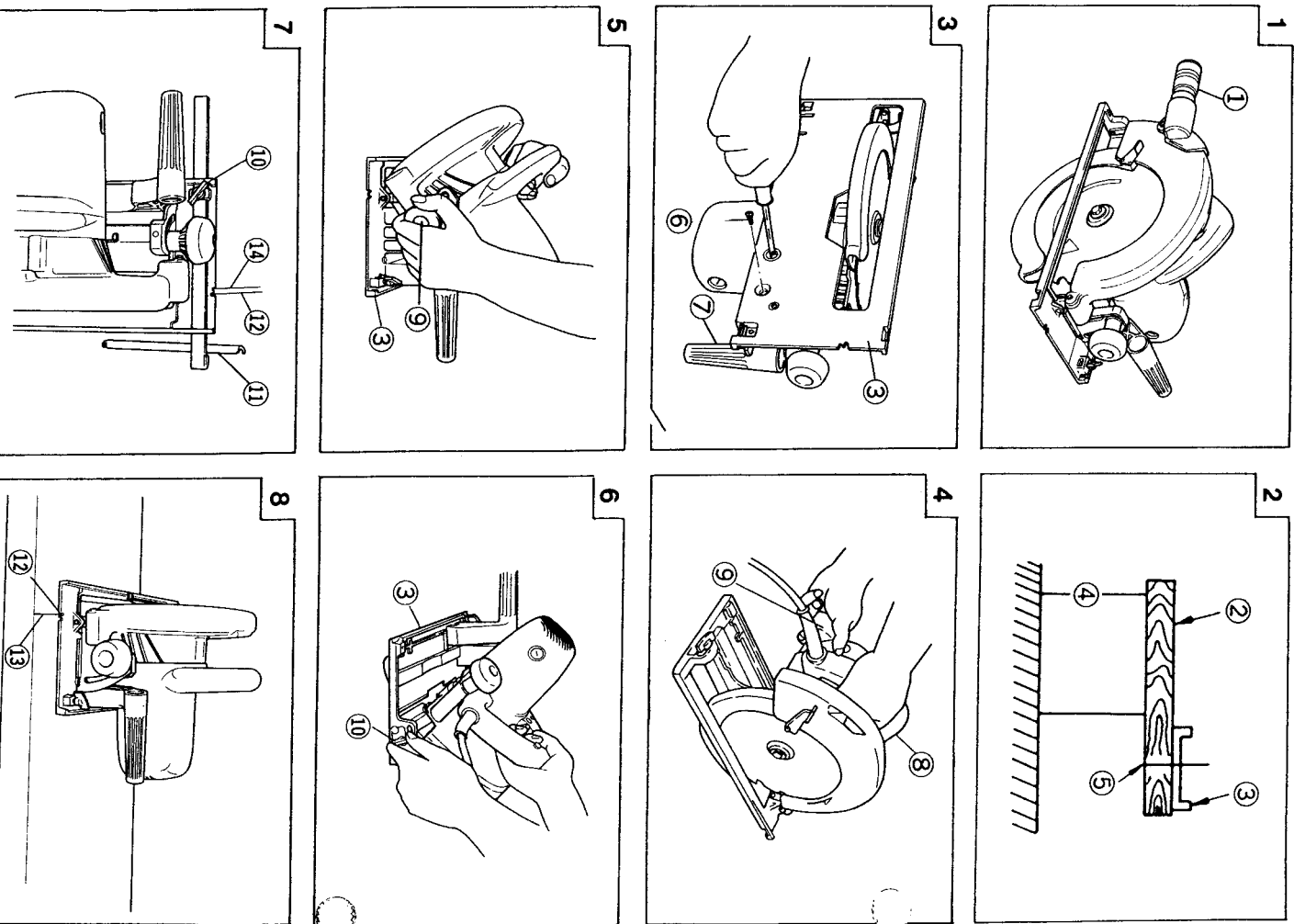
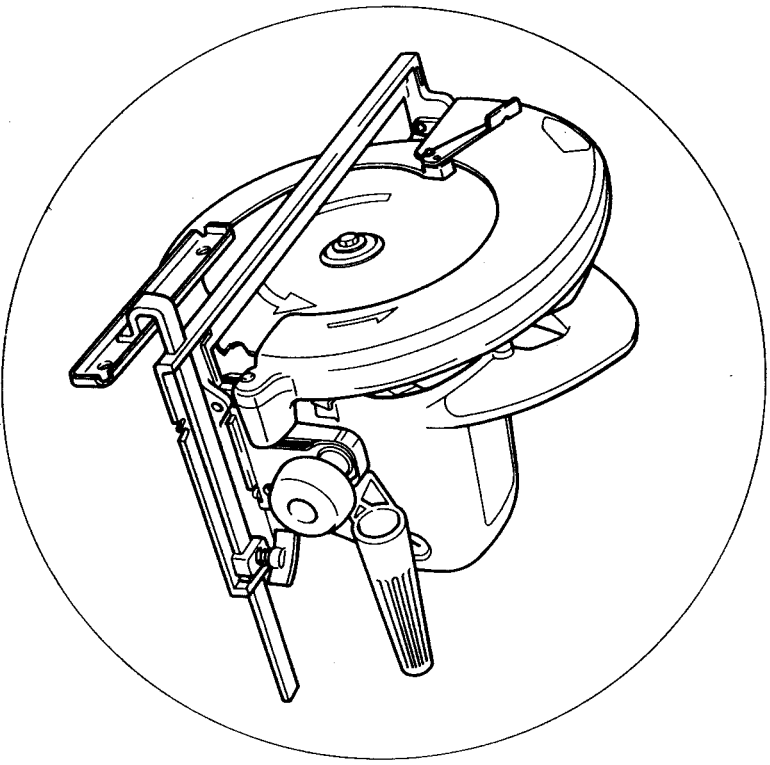


HITACHI

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



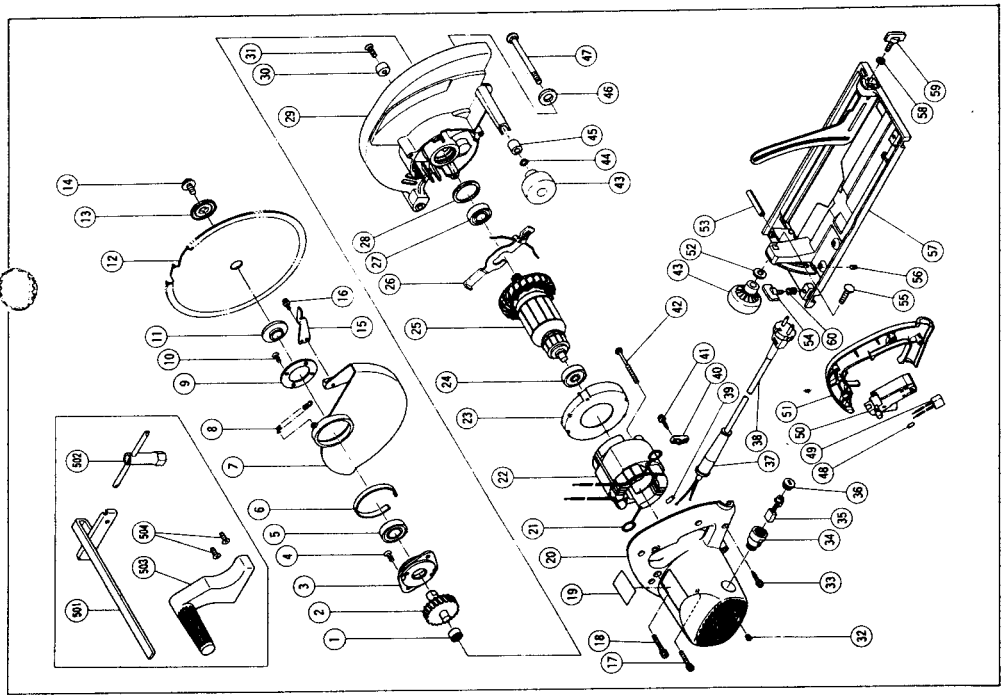
Read through carefully and understand these instructions before use.
Leer cuidadosamente y comprender estas instrucciones antes del uso.
使用前務請詳加閱讀

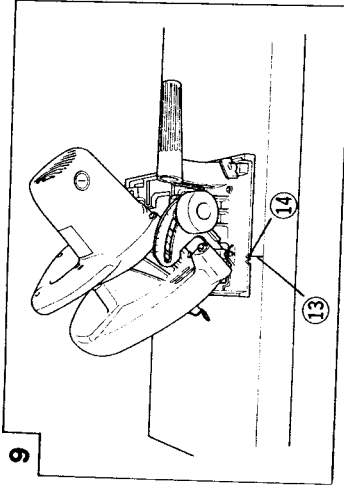


Item No.	Part Name	Part Name
41	Tapping Screw (W/Flange)	D4 x 16
42	Hex. Hd. Tapping Screw	D5 x 65
43	Knob	
44	O-ring (P-7)	
45	Sleeve	
46	Washer (B)	
47	Diagonal Bolt	M8
48	Tube (D)	
49	Noise Suppressor	
50	Switch	
51	Handle Cover	
52	Bolt Washer	M8
53	Roll Pin	D8 x 50
54	Wing Bolt	M6 x 15
55	Bolt (Square)	M8 x 30
56	Slotted Hd. Set Screw (Seal Lock)	M6 x 6
57	Base Ass'y	
58	Washer	M6
59	Wing Bolt (A)	M6 x 20
60	Spring	
501	Guide	
502	Box Wrench	13MM
503	Side Handle	
504	Flat Hd. Screw	M6 x 16

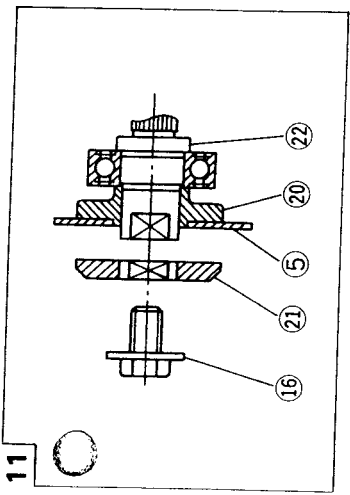
Parts are subject to possible modification without notice due to improvements.

Item No.	Part Name	Part Name
1	Needle Bearing (HK1212)	
2	Spindle Gear	
3	Bearing Holder	
4	Seal Lock Flat Hd. Screw	M8 x 14
5	Ball Bearing (6203VVCMPFS2S)	
6	Liner	
7	Safety Cover	
8	Return Spring	
9	Bearing Cover	
10	Seal Lock Flat Hd. Screw	M5 x 14
11	Washer (A)	
12	Saw Blade	235MM
13	Washer (B)	
14	Flange Bolt	M8 x 15.5
15	Knob	
16	Machine Screw (W/Washers)	M4 x 10
17	Machine Screw (W/Washers)	M5 x 40
18	Machine Screw (W/Washers)	M5 x 40
19	Name Plate	
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	M6 x 20
32	Hex. Socket Set Screw	M5 x 8
33	Tapping Screw (W/Flange)	D4 x 20
34	Brush Holder	
35	Carbon Brush	
36	Brush Cup	
37	Cord Armor	
38	Cord	
39	Tube (D)	
40	Cord Clip	

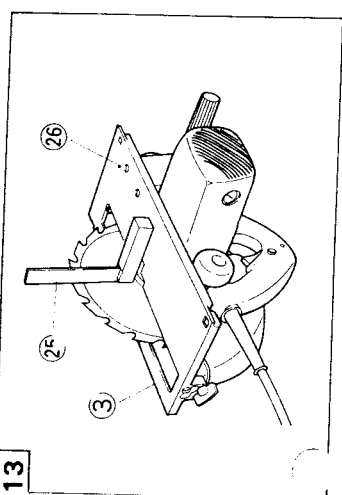




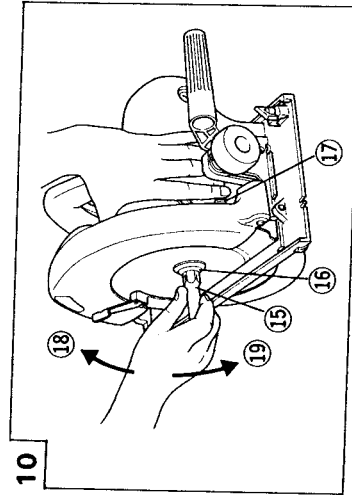
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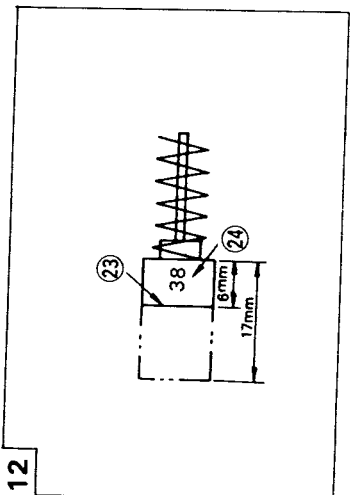
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13



10



12

	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	平頭螺絲釘 (M6×16)
⑦	Side handle	Tornillo de cabeza plana M6 x 16	側柄
⑧	Handle	Asidero lateral	側柄
⑨	Knob	Mango	握手
⑩	Wing bolt, Lock spring	Perno de mariposa, Resorte de bloqueo	蝶形蝶栓, 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	六角頭螺絲
⑰	Lock lever	Palanca de cierre	鎖桿
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	帶槽口定位螺絲

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

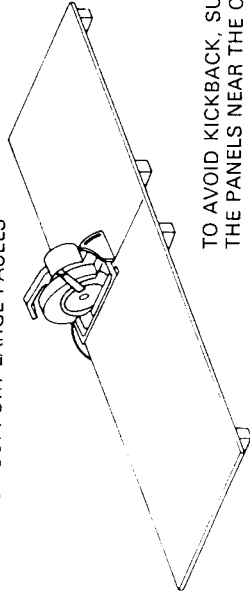


Fig. 14

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.

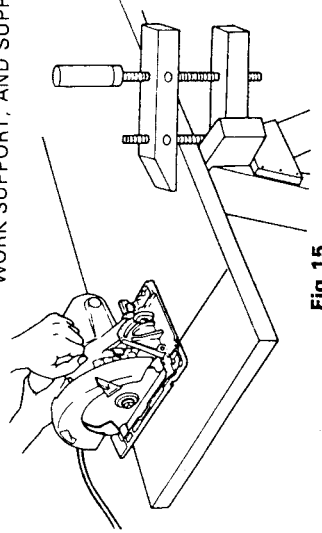


Fig. 15

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.