

MODEL

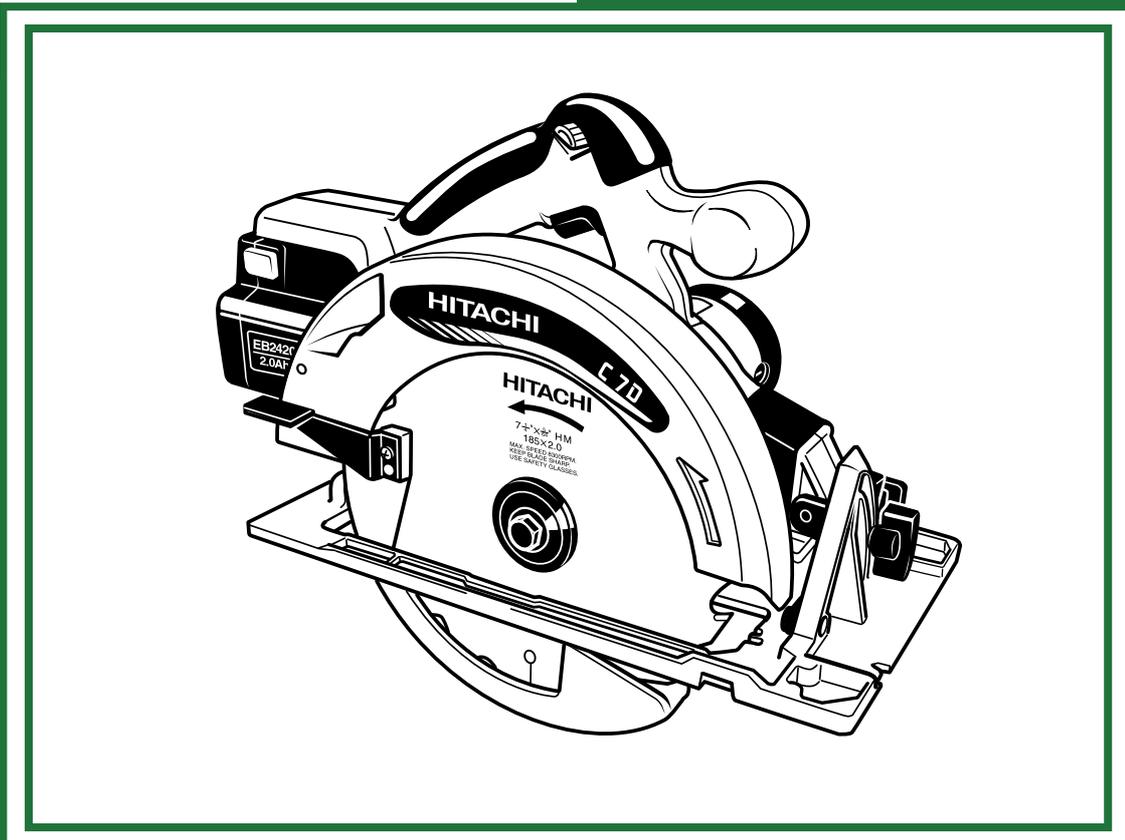
C 7D

HITACHI
POWER TOOLS

C

**CORDLESS CIRCULAR SAW
C 7D**

**TECHNICAL DATA
AND
SERVICE MANUAL**



LIST No. F851

May 2001

Notice for use

Specifications and parts are subject to change for improvement.

Refer to Hitachi Power Tool Technical News for further information.

REMARK:

Throughout this TECHNICAL DATA AND SERVICE MANUAL, a symbol(s) is(are) used in the place of company name(s) and model name(s) of our competitor(s). The symbol(s) utilized here is(are) as follows:

| Symbols Utilized | Competitors | |
|------------------|--------------|------------|
| | Company Name | Model Name |
| — | — | — |
| | | |
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1. PRODUCT NAME

Hitachi Cordless Circular Saw, Model C 7D

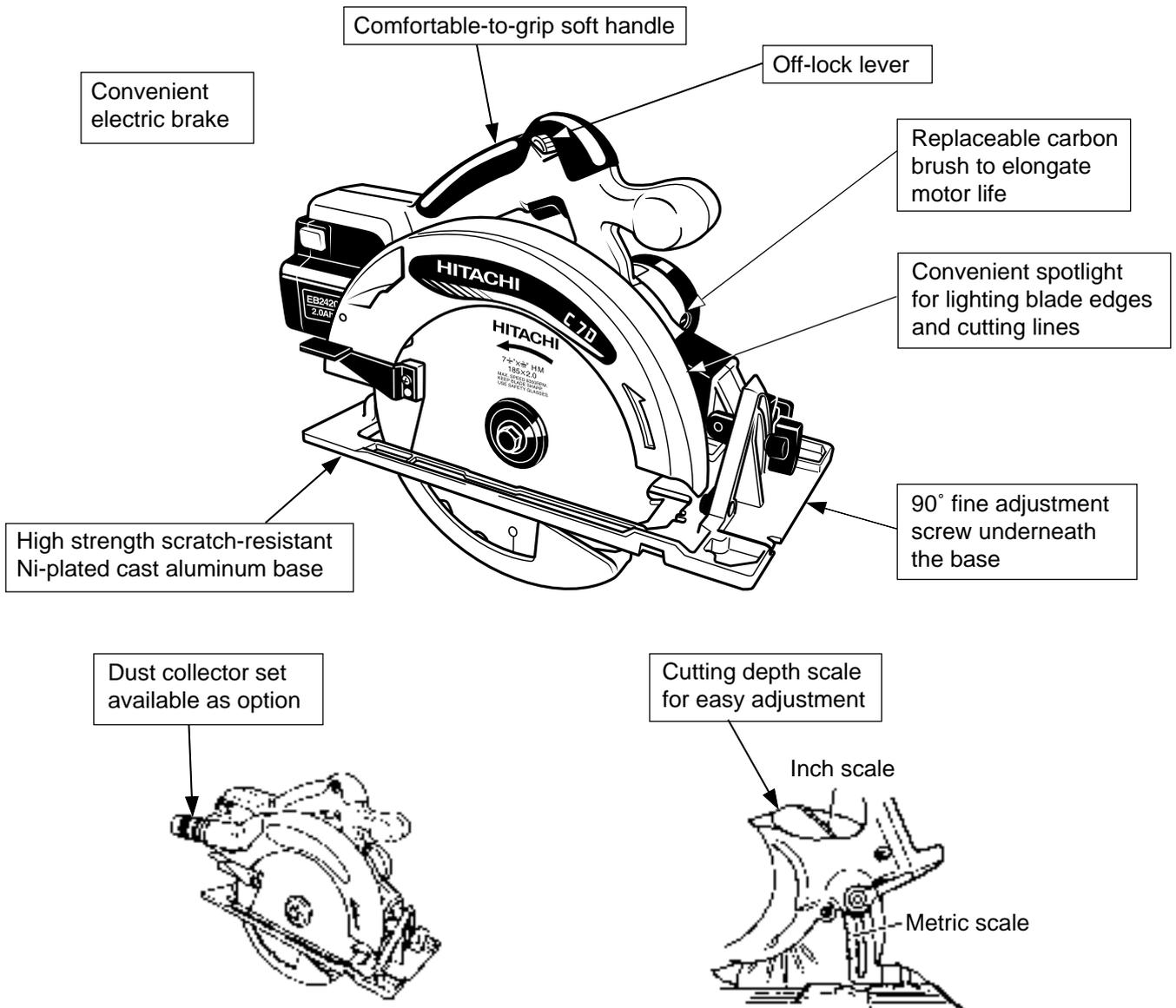
2. MARKETING OBJECTIVE

The current cordless circular saw Model C 6DC has been well reputed thanks to the compact and lightweight design, high power and the unique spotlight. However, there is a strong demand for a more efficient and highly durable cordless circular saw that can cut larger workpieces or can cut in shorter time. We have thus developed the new cordless circular saw Model C 7D. Thanks to the high-strength components equivalent to an AC-powered circular saw and the newly developed carbon brush-replaceable powerful motor, the Model C 7D offers AC-powered product level durability. In addition, the handle of the Model C 7D is shaped and located in the same manner as the well-reputed Model C 6DC's handle for ease of operation. The Model C 7D can cut a workpiece 2 inches thick by a single cut operation even when cutting at 45°.

3. APPLICATIONS

- Cutting various wood materials

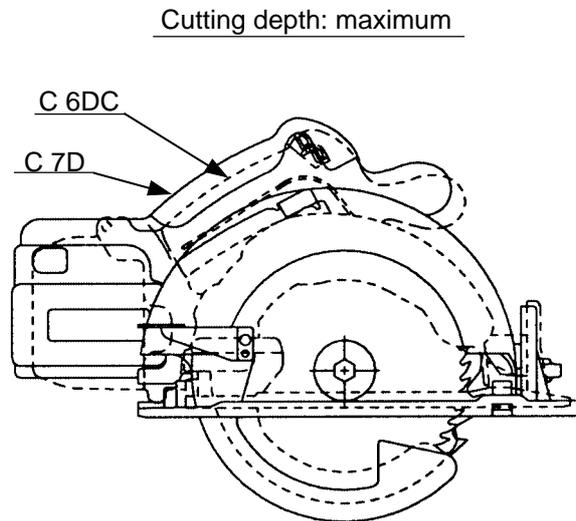
4. SELLING POINTS



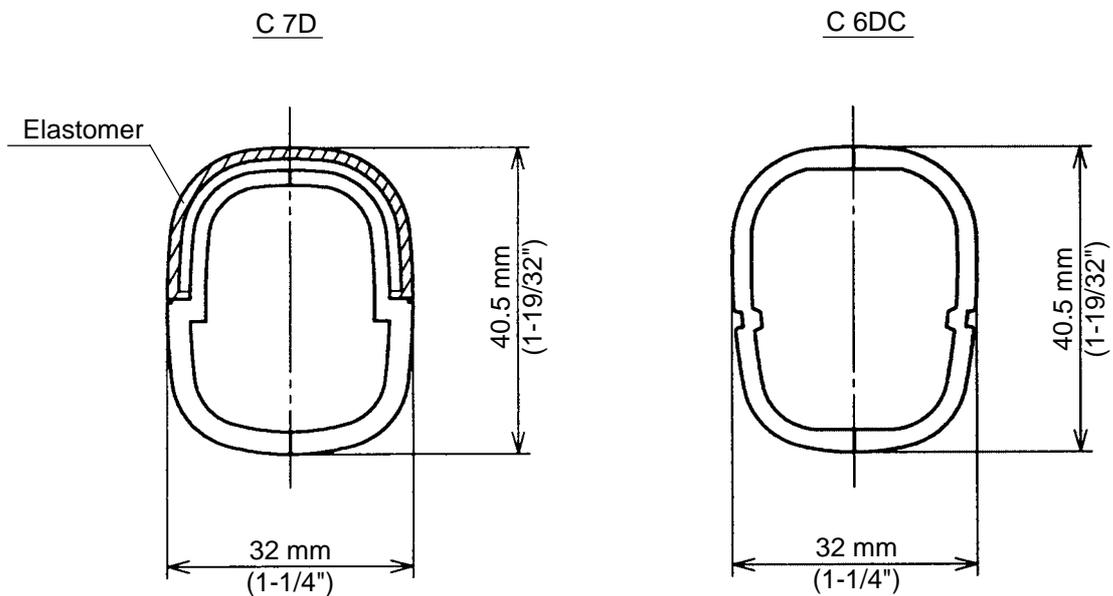
4-1. Selling Point Descriptions

(1) Comfortable-to-grip soft handle

The shape, angle and location of the handle are important considerations in designing an easy-to-use circular saw. The shape, angle and location of the Model C 7D's handle are similar to those of the Model C 6DC that is familiar to users. A nonskid and shock-absorbing elastomer is used at the palm side of the grip for easier operation.



Typical sectional view of handle (center of handle)



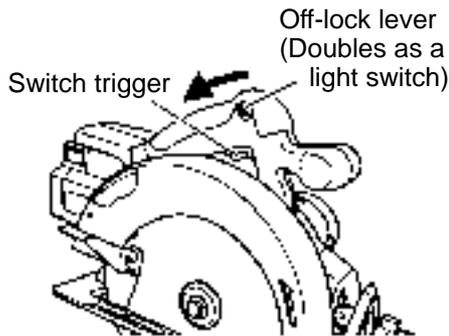
(2) Replaceable carbon brush to elongate motor life

The carbon brush can be replaced from the outside to elongate the motor life.

(3) Convenient spotlight for lighting blade edges and cutting lines

The Model C 7D is equipped with a spotlight for lighting blade edges. The working efficiency is improved because the spotlight helps to align the saw blade with a premarked cutting line even in a dimly lit workplace. Because the light switch and the off-lock lever are integrated into one switch, the switch operation is easy and the spotlight can be lit before starting the saw blade. The spotlight is automatically turned off when turning off the power switch. A standard automotive light bulb is used for the spotlight.

The off-lock lever and the light switch are integrated into one switch.



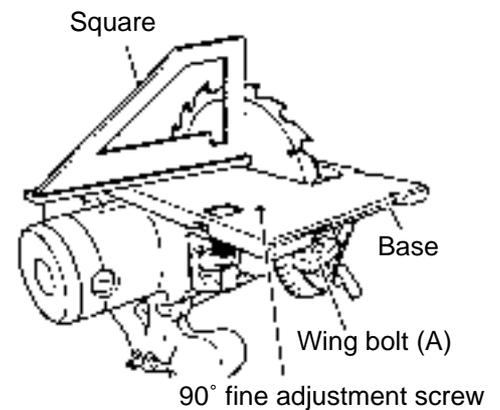
- ① The blade edges are lit by the spotlight when pressing the off-lock lever. (The spotlight is turned on before the saw blade begins to rotate.)
- ② The spotlight keeps lighting as long as the switch trigger is depressed.
- ③ The off-lock lever automatically returns to off-position and the spotlight is turned off when the switch trigger is released.

(4) 90° fine adjustment screw underneath the base

The Model C 7D is equipped with a base that can be inclined up to 45°, and a 90° fine adjustment screw that makes the angle between the base and a saw blade square for accurate 90° cutting.

(5) High-strength scratch-resistant Ni-plated cast aluminum base

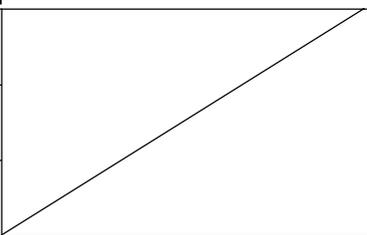
The Model C 7D is equipped with a very strong and scratch-resistant Ni-plated cast aluminum base.



(6) Dust collector set available as option

A dust collector set is available as an optional accessory for the Model C 7D. When the cutting operation produces bothersome saw dust and wood chip dispersion, particularly in indoor use, attaching the dust collector set to the main body and connecting it to a vacuum cleaner will minimize dust dispersion for cleaner and more comfortable operation.

5. SPECIFICATIONS

| | | | |
|-----------------------------|---|--|---|
| Model | | C 7D | |
| Saw blade diameter | | 185 mm (7-1/4") | |
| Cutting depth | at 90° | 0 – 60 mm (0 – 2-3/8") | |
| | at 45° | 0 – 47 mm (0 – 1-27/32") | |
| Type of motor | | DC magnet motor | |
| Type of handle | | D type | |
| Type of switch | | Trigger switch (automatic return type with switch-lock) | |
| Enclosure | Housing, handle cover | Glassfiber reinforced polycarbonate resin | |
| | Gear cover, safety cover | Die-cast aluminum alloy | |
| | Charger | ABS resin | |
| | Battery | Glassfiber reinforced polyamide resin | |
| Rotation speed | No-load | 2,700/min. | |
| Battery (Type EB 2420) | Type of battery | Sealed cylindrical nickel cadmium battery | |
| | Nominal voltage | DC 24 V | |
| | Nominal service life | Charging/discharging: approximately 1,000 cycles | |
| | Nominal capacity | 2,000 mAh | |
| | Charging time | 50 minutes (with standard accessory charger at ambient temperature of 20°C (68°F)) | |
| | Applicable ambient temperature | 0°C – 40°C (32°F – 104°F) | |
| Charger (Model UC 24YFB) | Overcharge prevention circuit: A built-in electronic circuit detects the output voltage or surface temperature of the storage battery, and automatically turns off the unit to prevent overcharge. | | |
| | Indication of the pilot lamp | | |
| | Before charging | Blinks (Red) Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds)  |  |
| | While charging | Lights (Red) Lights continuously.  | |
| | Charging complete | Blinks (Red) Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds)  | |
| | Charging impossible | Flickers (Red) Lights for 0.1 seconds. Does not light for 0.1 seconds. (off for 0.1 seconds)  | Malfunction in the battery or the charger |
| Charging impossible | Lights (Green) Lights continuously.  | The battery temperature is high, marking recharging impossible. | |
| Weight | Net | Main body (including battery) 5.0 kg (11 lbs.) Charger unit (including cord) 0.6 kg (1.3 lbs.) | |
| | Gross | Main body, charger, case and other standard accessories 9.5 kg (21 lbs.) | |
| Standard accessories | | Charger (UC 24YFB) 1 Saw blade 1 Box wrench 1 Plastic tool case 1 | |

1) Saw blade

- For the U.S.A. and Canada

| External diameter | Hole diameter | No. of teeth | Code No. |
|-------------------|----------------|--------------|----------|
| 185 mm (7-1/4") | 15.9 mm (5/8") | 18 pieces | 302410 |

- For Australia and New Zealand

| External diameter | Hole diameter | No. of teeth | Code No. |
|-------------------|----------------|--------------|----------|
| 185 mm (7-1/4") | 20 mm (25/32") | 18 pieces | 302411 |

2) Battery

- For the U.S.A. and Canada

| Model | Code No. |
|---------------------|----------|
| EB 2420 (2,000 mAh) | 319870 |

- For Australia and New Zealand

| Model | Code No. |
|---------------------|----------|
| EB 2420 (2,000 mAh) | 319871 |

6. COMPARISONS WITH SIMILAR PRODUCT

| Maker | | HITACHI | |
|------------------------------|------------------|----------------------|----------------------|
| Model | | C 7D | C 6DC |
| Max. Cut depth | 90° | 60 mm (2-3/8") | 57 mm (2-1/4") |
| | 45° | 47 mm (1-27/32") | 40 mm (1-9/16") |
| Saw blade | Diameter | 185 mm (7-1/4") | 165 (6-1/2") |
| | No. of chips | 18 pieces | 40 pieces |
| No-load speed (/min.) | | 2,700 | 3,400 |
| Battery | Nominal capacity | 2,000 mAh | 2,000 mAh |
| | Nominal voltage | 24 V | 18 V |
| | Charging time* | 50 minutes | 60 minutes |
| Brake | | Equipped | Equipped |
| Adjustment guide piece | | None | Equipped |
| Base material | | Aluminum die casting | Aluminum die casting |
| Blade edge illumination | | Equipped | Equipped |
| Carbon brushes | | Replaceable | Not replaceable |
| Dimension | Length | 372 mm (14-5/8") | 355 mm (14") |
| | Height | 267 mm (10-1/2") | 247 mm (9-3/4") |
| | Width | 225 mm (8-27/32") | 191 mm (7-1/2") |
| Tool weight | | 5 kg (11 lbs.) | 3.3 kg (7.3 lbs.) |
| No-load-noise level [dB (A)] | | 71 dB | 75 dB |

* : Charging time may vary depending on charger to be used and ambient temperatures.

7. WORKING PERFORMANCE PER SINGLE CHARGE

| Model | | HITACHI | |
|---|------|-------------|-------------|
| Model name | | C 7D | C 6DC |
| Wood | | Capacity | |
| 2 x 4 | Cuts | 170 | 140 |
| 2 x 8 | Cuts | 85 | 80 |
| Concrete form plywood (t =12.7 mm, 1/2") | m | 45 (148 ft) | 32 (105 ft) |

As actually measured values listed in the above table may vary depending on sharpness of the saw blade, workpiece hardness (particularly in wood materials), moisture content of wood, charging condition, operator skill, etc., please use this only as a reference only.

8. PRECAUTIONS IN SALES PROMOTION

In the interest of promoting the safest and most efficient use of the Model C 7D Cordless Circular Saw by all of our customers, it is very important that at the time of sale the salesperson carefully ensures that the buyer seriously recognizes the importance of the contents of the Handling Instructions, and fully understands the meaning of the precautions listed on the Caution Plate and Name Plate attached to each tool.

8-1. Handling Instructions

Salespersons must thoroughly be familiar with the contents of the Handling Instructions in order to give pertinent advice to the customer. In particular, they must have a thorough understanding of the precautions in the use of the cordless (battery charger type) electric power tools which are different from those of ordinary electric power tools.

- (1) Before use, ensure that the unit is fully charged.

New units are not fully charged. Even if the units were fully charged at the factory, long periods out of use, such as during shipping, cause the storage battery to lose its charge.

Customers must be instructed to fully charge the unit prior to use.

- (2) When charging storage batteries, use only the exclusive Model UC 24YFB charger provided with the tool.

Because of the batteries' rapid-charging feature (about 50 minutes), use of other battery chargers is hazardous.

- (3) Connect the charger to an AC power outlet only.

Use of any other power source (DC outlet, fuel powered generator, etc.) will cause the charger to overheat and burn out.

- (4) Do not use any voltage-increasing equipment (transformer, etc.) between the power source and the charger.

If the charger is used with voltage over and above that indicated on the unit, it will not function properly.

- (5) Conduct battery charging at an ambient temperature range of 0 — 4 °C (32 — 104°F).

Special temperature sensitive devices are employed in the charger to permit rapid charging.

Ensure that customers are instructed to use the charger at the indicated ambient temperature range.

At temperature over 40°C (104°F), the storage battery cannot be sufficiently charged. The optimum temperature range is 20 — 25°C (68° — 77°F).

- (6) The battery charger should not be used continuously.

At high ambient temperatures, if more than three storage batteries are charged in succession, the temperature of the coils on the transformer will rise. After charging one battery, please charge the next battery after about a fifteen minute interval.

- (7) Do not use more than two batteries in succession.

If three or more batteries are used in rapid succession, the main body may become overheated, causing possible motor or switch malfunction. After two batteries have been used, stop operation for about 15 minutes to allow the main body to cool.

- (8) Do not insert foreign objects into the air vents on the charger.

The charger case is equipped with air vents to protect the internal electronic components from overheating.

Caution the customer not to allow foreign materials, such as metallic or inflammable objects, to be dropped or inserted into the air vents. This could cause electrical shock, fire or other serious hazards.

(9) Do not attempt to disassemble the storage battery or the charger.

Special devices, such as a thermistor, are built into the storage battery and charger to permit rapid charging. Incorrect parts replacement and/or wiring will cause malfunctions which could result in fire or other hazard. Instruct the customer to bring these units to an authorized service center in the event repair or replacement is necessary.

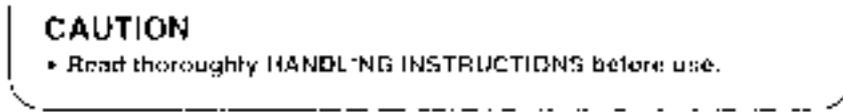
(10) Disposal of the Type EB 2420 battery.

Ensure that all customers understand the Type EB 2420 Battery should be returned to the Hitachi power tool sales outlet or authorized service center when they are no longer capable of being recharged or repaired. If thrown into a fire, the batteries may explode, or if discarded indiscriminately, leakage of the cadmium compound contained in the battery may cause environmental pollution.

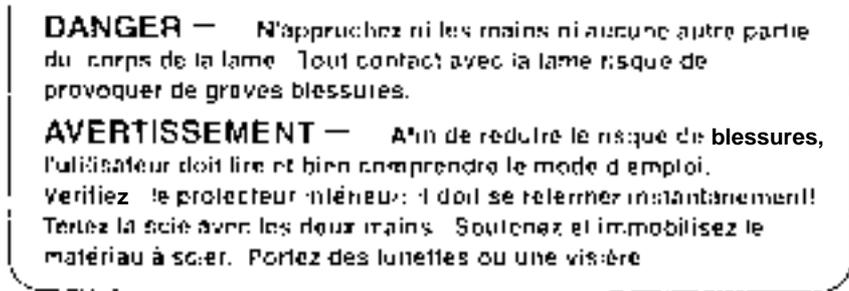
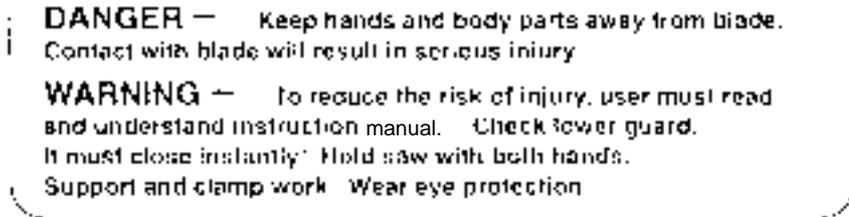
8-2. Caution Plates

(1) The following safety precautions are listed on the Name Plate attached to the main body of each tool.

- For Australia

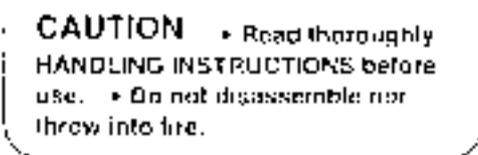


- For the U.S.A. and Canada

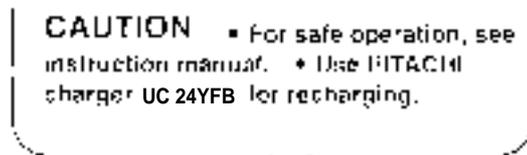


(2) The following cautions are listed on the Name Plate attached to each Model EB 2420 Battery.

- For Australia and New Zealand

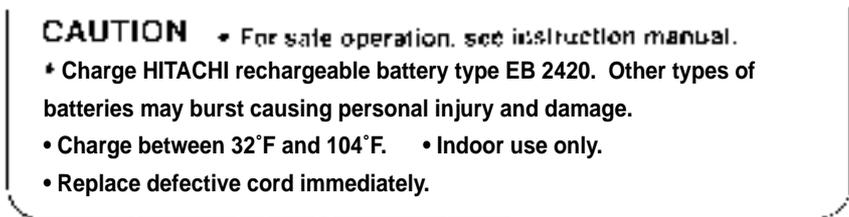


- For the U.S.A. and Canada



(3) The following cautions are listed on the Name Plate attached to each Model UC 24 YFB Charger.

- For the U.S.A. and Canada



8-3. Inherent Drawbacks of Cordless Circular Saw Requiring Particular Attention During Sales Promotion

The cordless circular saw offers many advantages; it can be used in places where no power source is available, the absence of a cord allows easy use, etc. However, any cordless electric power tool has certain inherent drawbacks. Salespersons must be thoroughly familiar with these drawbacks in order to properly advise the customer in the most efficient use of the tool.

(1) Do not overload the motor.

As the Model C 7D is a battery-powered cordless circular saw, the motor's output and torque are less than those of ordinary AC-powered circular saws. Do not twist or thrust the main body during cutting. Otherwise, the motor becomes locked and will cause burning of the motor or deterioration of the battery. The motor must not be locked during operation.

(2) Avoid continuous heavy-duty operation.

Cutting a thick workpiece with strong pressure can put a heavy load on the motor. If such an operation is performed continuously, the temperature of the motor and the housing will rise and burning of the motor will result. Do not perform heavy-duty operations continuously.

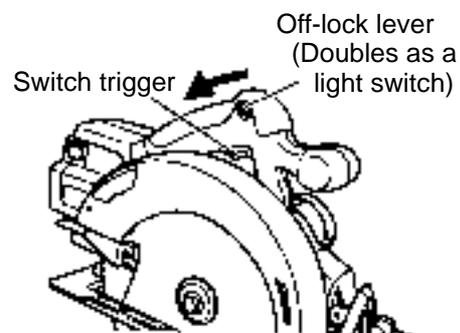
(3) Do not place any foreign substance in the vent hole of the main body.

The outer body of this unit is provided with a vent hole for greater cooling efficiency. Since the motor has a built-in cooling fan, a foreign substance inserted into the vent hole is likely to cause mechanical failure.

Instruct our customer never to cover or block the vent hole.

(4) Off-lock lever

The Model C 7D is equipped with an off-lock lever at the side of the handle for safety. Users who are familiar with AC-powered circular saws might feel a little awkwardness in handling the off-lock lever. However, this lever is equipped for user's safety and the salespersons must instruct the users not to insert any foreign substance such as a chip of wood in the off-lock lever to ensure the correct



functioning of the off-lock lever. Refer to the Handling Instructions ("Operation of Switch" on the page 6 for Australia and New Zealand and on the page 18 for U.S.A. and Canada) for operation of the off-lock lever.

(5) Variation in amount of work possible per charge.

Although the nominal chargeable capacity of the storage batteries used with the Model C 7D is 2,000 mAh, the actual capacity may vary within 10 % than that value depending on the ambient temperatures during use and charging, and the number of times the batteries have been recharged. It should be noted that other factors which may have a bearing on the amount of work possible per charge are the working conditions (ambient temperature, type and moisture content of the workpiece, sharpness of the saw blade, etc.) and operational skill of the user.

8-4. Do Not Use Cut-Off Wheels

The Model C 7D is not designed for use with cut-off wheels (grindstones). The customers must be cautioned that the use of a cut-off wheel would be extremely dangerous.

9. REPAIR GUIDE

[WARNING]

Without fail, remove the storage battery from the main body of the tool before starting repair or maintenance work. If the battery is left in and the switch is activated inadvertently, the motor will start rotating unexpectedly, which could cause serious injury.

9-1. Precautions in Disassembly and Reassembly

The **[Bold]** numbers in the descriptions below correspond to the item numbers in the Parts List and the exploded assembly diagram for the Model C 7D.

9-1-1. Disassembly

Before disassembly, be sure to remove the TCT Saw Blade **[17]** to prevent damage to the teeth or personal injury.

(1) Removal of the Safety Cover **[12]**

First, disconnect the Return Spring **[13]**. Then, loosen the two Seal Lock Flat Hd. Screws M4 x 10 **[15]**, and take off the Bearing Cover **[14]**. The Safety Cover **[12]** can then be removed.

(2) Removal of the Bearing Holder **[9]** together with the Spindle and Gear Set **[8]**

After removing the Safety Cover **[12]** as described above, loosen the two Seal Lock Flat Hd. Screws M5 x 14 **[21]**, and take off the Bearing Holder **[9]** together with the Spindle and Gear Set **[8]**.

(3) Separation of the Spindle and Gear Set **[8]** from the Bearing Holder **[9]**

As illustrated in Fig. 1, support the Bearing Holder **[9]** with an appropriate tubular jig, and push down on the end of the Spindle and Gear Set **[8]** with a hand press to separate the Spindle and Gear Set **[8]** from the Bearing Holder **[9]**.

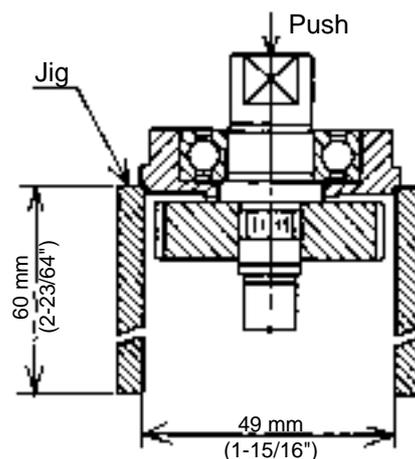


Fig. 1

(4) Removal of the Armature Ass'y DC 24V [44]

First, remove the two Brush Caps [50] and take out the two Carbon Brushes [49].

The Carbon Brush [49] can be easily taken out by hooking the protrusion of the Carbon Brush [49] with the tip of a flat-blade screwdriver as shown in Fig. 2. Remove the Retaining Ring (E-type) for D9 Shaft [70]. Slide the Clamp Lever [71] to avoid contacting the protrusion (A) of the Clamp Lever [71] with the protrusion (B) of the Handle Cover [28] then turn it. Remove the Clamp Nut [72], two Washers (S) and Bolt (Square) M6 [20]. Then, loosen the three Machine Screws (W/Washers) M5 x 45 (Black) [27], and separate the Gear Cover Ass'y [3] from the Housing [34]. The Armature Ass'y DC 24V [44] will remain within the Housing [34]. With a wooden or plastic hammer, tap gently on the outside of the Housing [34] to loosen and remove the Armature Ass'y DC 24V [44]. At this time, be very careful not to hit the fan on the Armature Ass'y DC 24V [44].

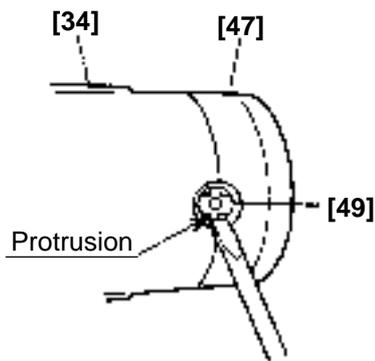


Fig. 2

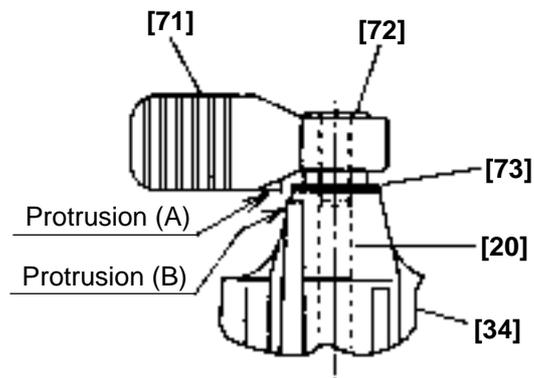


Fig. 3

(5) Removal of the Base Ass'y [62]

Extract the Roll Pin D6 x 40 [63] which connects the Base Ass'y [62] and the Housing [34], and separate them.

9-1-2. Reassembly

Reassembly can be accomplished by following the disassembly procedures in reverse. However, particular attention should be given to the following items.

(1) Tightening torque

- Seal Lock Flat Hd. Screw M4 x 10 **[15]** 14 to 22 kgf•cm (12 to 19 in•lbf)
- Bolt (W/Flange) M8 x 15.5 **[19]** 80 to 120 kgf•cm (70 to 105 in•lbf)
- Seal Lock Flat Hd. Screw M5 x 14 **[21]** 28 to 42 kgf•cm (24 to 37 in•lbf)
- Machine Screw M4 x 8 **[23]** 15 to 25 kgf•cm (13 to 22 in•lbf)
- Machine Screw (W/Washers) M5 x 45 (Black) **[27]** 28 to 42 kgf•cm (24 to 37 in•lbf)
- Tapping Screw D4 x 10 **[32]** 15 to 25 kgf•cm (13 to 22 in•lbf)
- Tapping Screw (W/Flange) D4 x 20 (Black) **[46]** 15 to 25 kgf•cm (13 to 22 in•lbf)
- Brush Cap **[50]** 5 to 15 kgf•cm (4.5 to 13 in•lbf)
- Hex. Hd. Tapping Screw D4 x 60 **[54]** 15 to 25 kgf•cm (13 to 22 in•lbf)
- Clamp Nut **[72]** 15 to 25 kgf•cm (13 to 22 in•lbf)
- Machine Screw M3.5 x 8.5 of the Switch **[30]** 4.5 to 7.5 kgf•cm (4 to 6.5 in•lbf)

(2) Reassembly of the Armature Ass'y DC 24V **[44]**

Prior to assembling the Armature Ass'y DC 24V **[44]**, ensure that the Rubber Ring **[2]** is properly inserted into the groove of the bearing case within the Gear Cover Ass'y **[3]**. At this time, be careful not to damage the Rubber Ring **[2]**.

(3) Reassembly of the Lock Lever **[45]** (See Fig. 4.)

A. Position the Lock Lever **[45]** between the fan and the Ball Bearing 6201VVCMP52L **[1]**, and carefully assemble it together with the Armature Ass'y DC 24V **[44]** into the Gear Cover Ass'y **[3]**.

B. Carefully ensure that both ends of the flat spring on the Lock Lever **[45]** are properly supported inside the ribs of the Gear Cover Ass'y **[3]** as illustrated in Fig. 4.

C. When assembly of the Lock Lever **[45]** is completed (when the Gear Cover Ass'y **[3]** has been assembled to the Housing **[34]** and fastened with the Machine Screw (W/Washers) M5 x 45 (Black) **[27]**), push the Lock Lever **[45]** by hand and ensure that it returns smoothly to its original position when released.

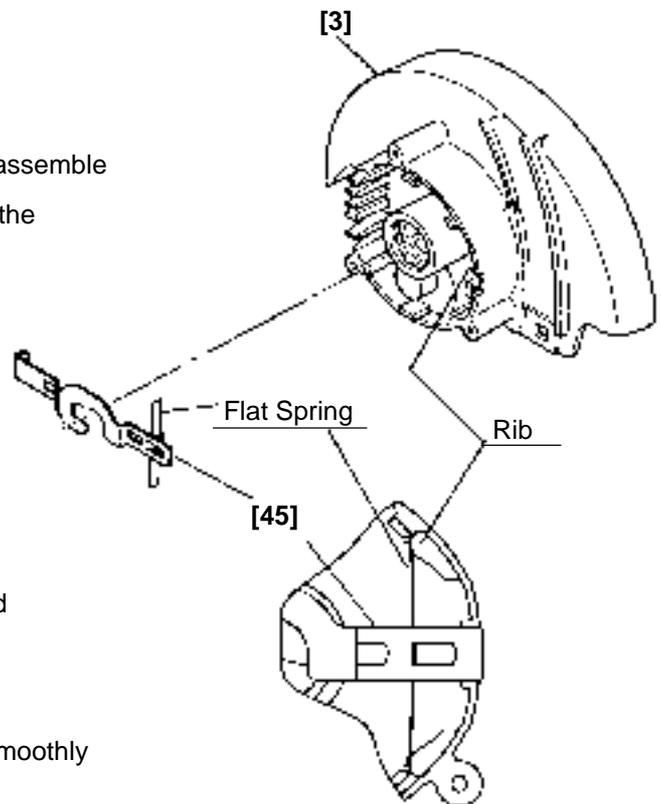


Fig. 4

(4) Reassembly of the Bearing Holder [9] with the Spindle and Gear Set [8]

It becomes difficult to mount both the Bearing Holder [9] and the Spindle and Gear Set [8] to the Gear Cover Ass'y [3] if grease gets in the metal chamber of the Gear Cover Ass'y [3]. Very lightly apply grease on the metal sliding surface of the spindle being careful not to get grease in the metal chamber. If reassembly is still difficult, push in the spindle turning laterally. Never tap the end of the spindle with a hammer. Otherwise the Gear Cover Ass'y [3] may be damaged.

(5) Mounting the Magnet [40]

Mount the Magnet [40] to the Housing [34] aligning the notch at the outer circumference of the Magnet [40] with the protrusion inside the Housing [34].

(6) Lubrication

Liberaly apply the designated lubricants as follows.

- Nippeco SEP-3A (Code No. 930035) within the gear cover: 8 to 9 gr. (0.282 to 0.317 oz)

(7) Wiring diagram (See Fig. 5.)

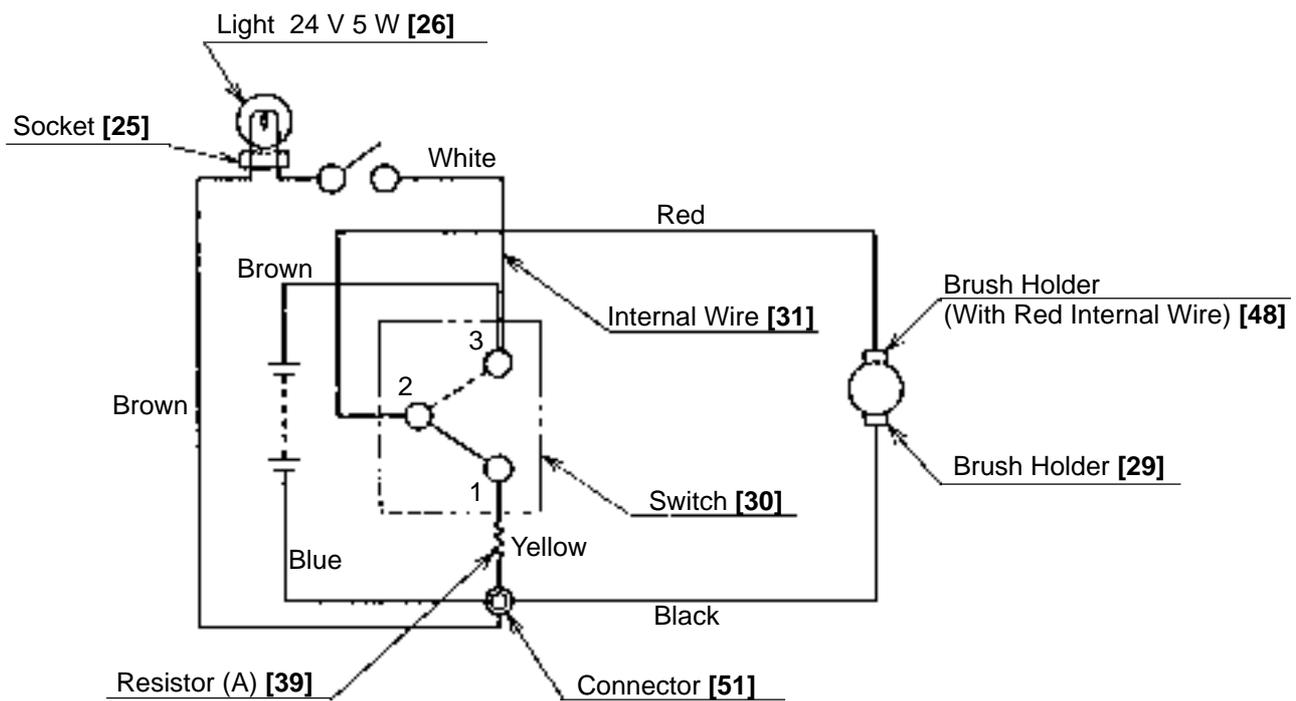


Fig. 5

(8) Internal wire arrangement (See Figs. 6 and 7.)

Connect internal wires as illustrated in Figs. 6 and 7. At this time, ensure that none of the wires are pinched between components during reassembly. Mount the Knob (off-lock lever) [37], Terminal (A) [36] and Spring (F) [35] without fail.

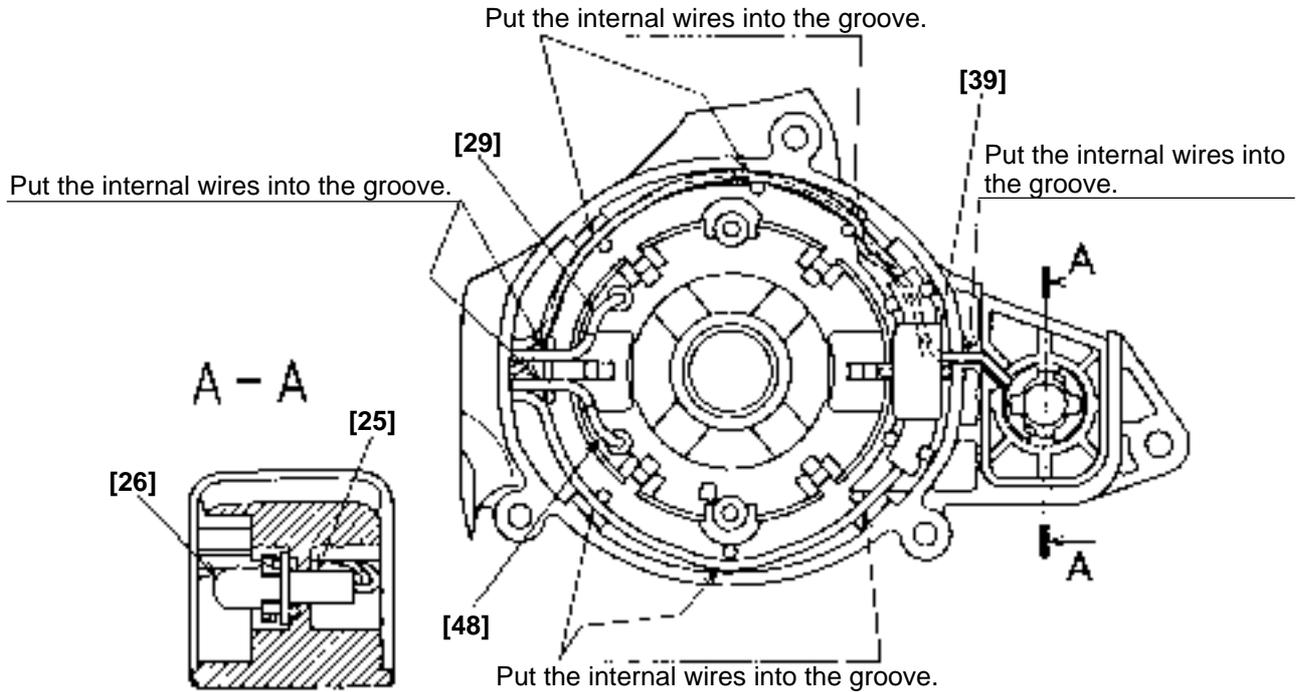


Fig. 6

Mount Terminal (A) [36] to the Knob [37] aligning the hole and the protrusion and put the assembly in the Housing [34].

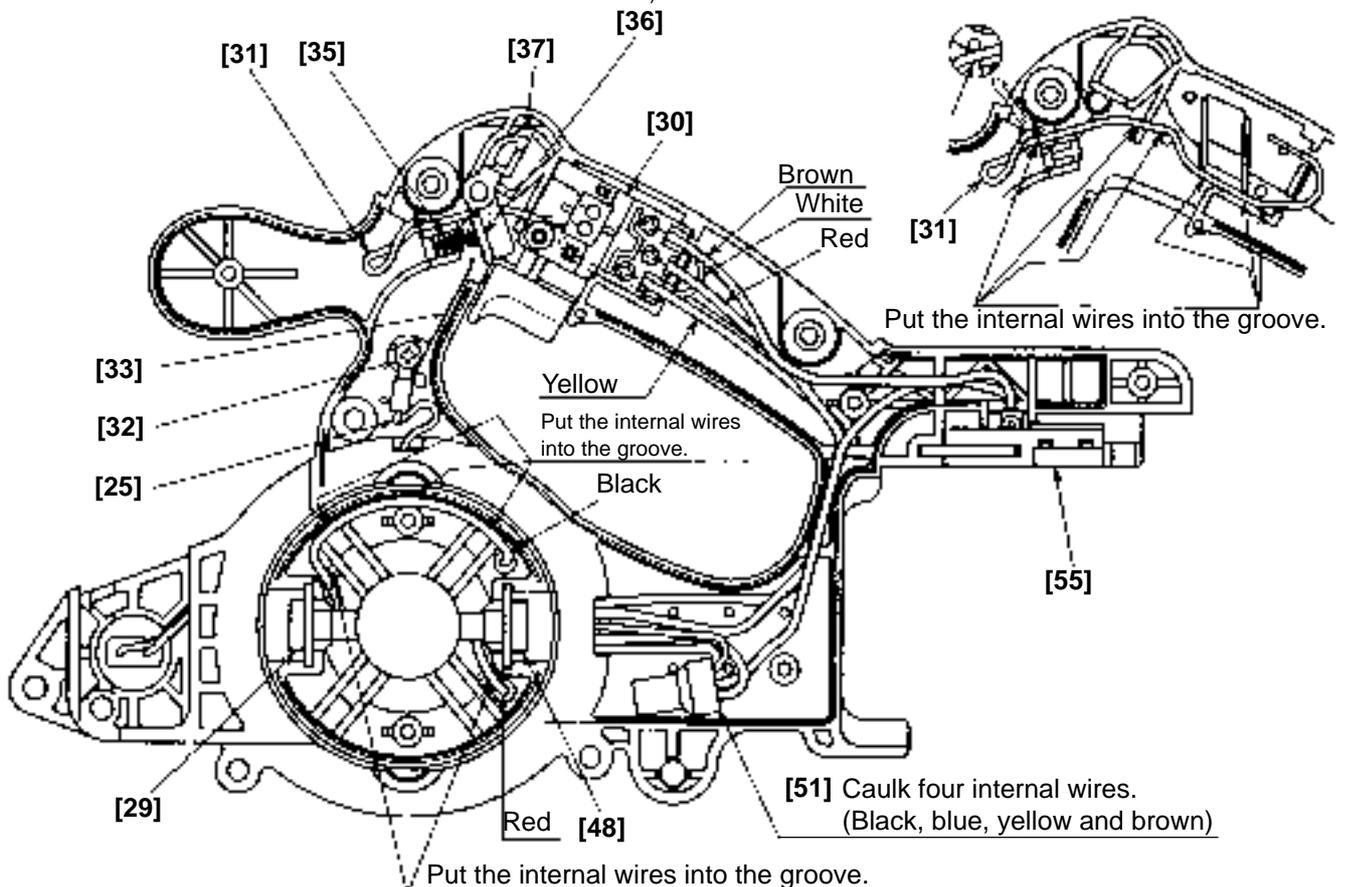


Fig. 7

9-2. Precautions in Disassembly and Reassembly of Battery Charger

Refer to the Technical Data and Service Manual of the Model UC 24YFB Charger for precautions in disassembly and reassembly of this charger.

9-3. Mounting Method of Bevel Plate and Link

9-3-1. Mounting method of bevel plate (See Figs. 8 and 9.)

- (1) Cut out the interlocking caulking portion of the rivet using an electric drill. On this operation, never do damage to the base. Then, remove the rivet to "B" direction from the base section and remove the Bevel Plate [64] from the base.

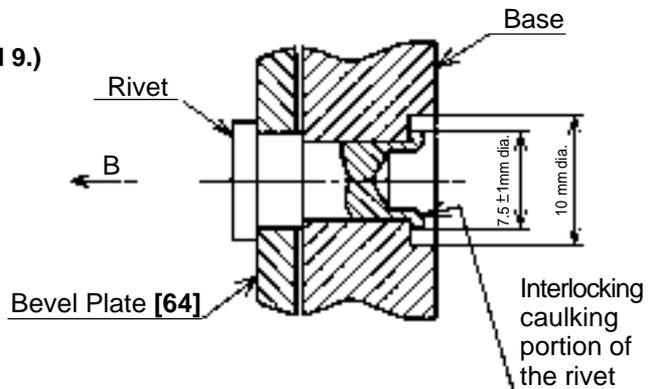


Fig. 8

- (2) Mount the Bevel Plate [64], the Step Bolt M6 [67], the Bolt Washer M6 [66] and the Nylon Nut M6 [65] as shown in Fig. 9. Then, fix the Bevel Plate [64] onto the base by tightening the Step Bolt M6 [67] and the Nylon Nut M6 [65] using a wrench.

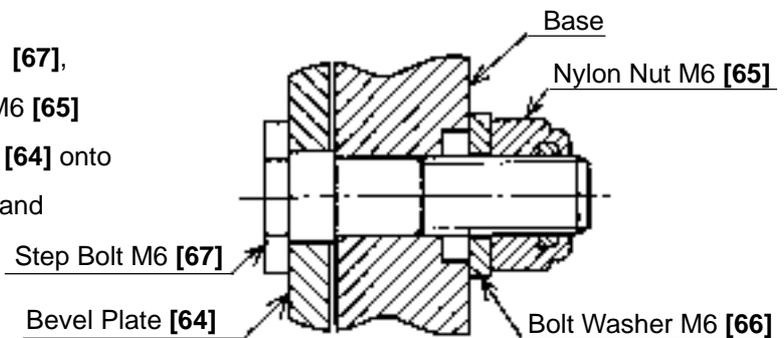


Fig. 9

9-3-2. Mounting method of link (See Figs. 10 and 11.)

- (1) Cut out the interlocking caulking portion of the rivet using an electric drill. On this operation, never do damage to the base. Then, remove the rivet to "C" direction from the base section and remove the Link [68] from the base.

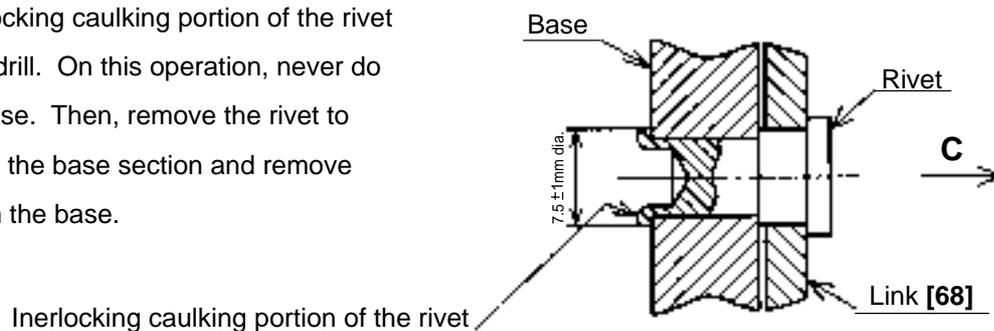


Fig. 10

- (2) Mount the Link [68], the Step Bolt M6 [67], Bolt Washer M6 [66] and the Nylon Nut M6 [65] as shown in Fig. 11. Then, fix the Link [68] onto the base by tightening the Step Bolt M6 [67] and the Nylon Nut M6 [65] using a wrench.

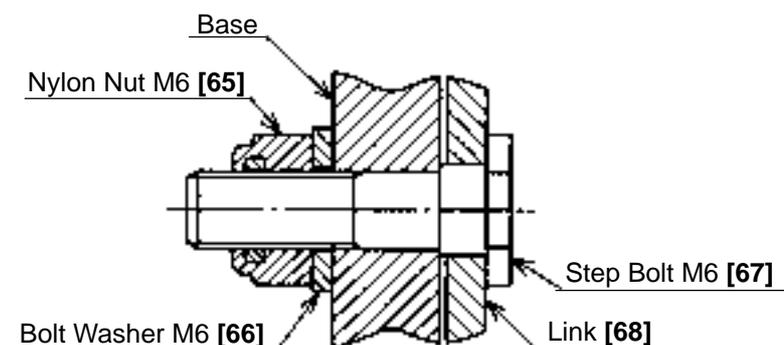


Fig. 11

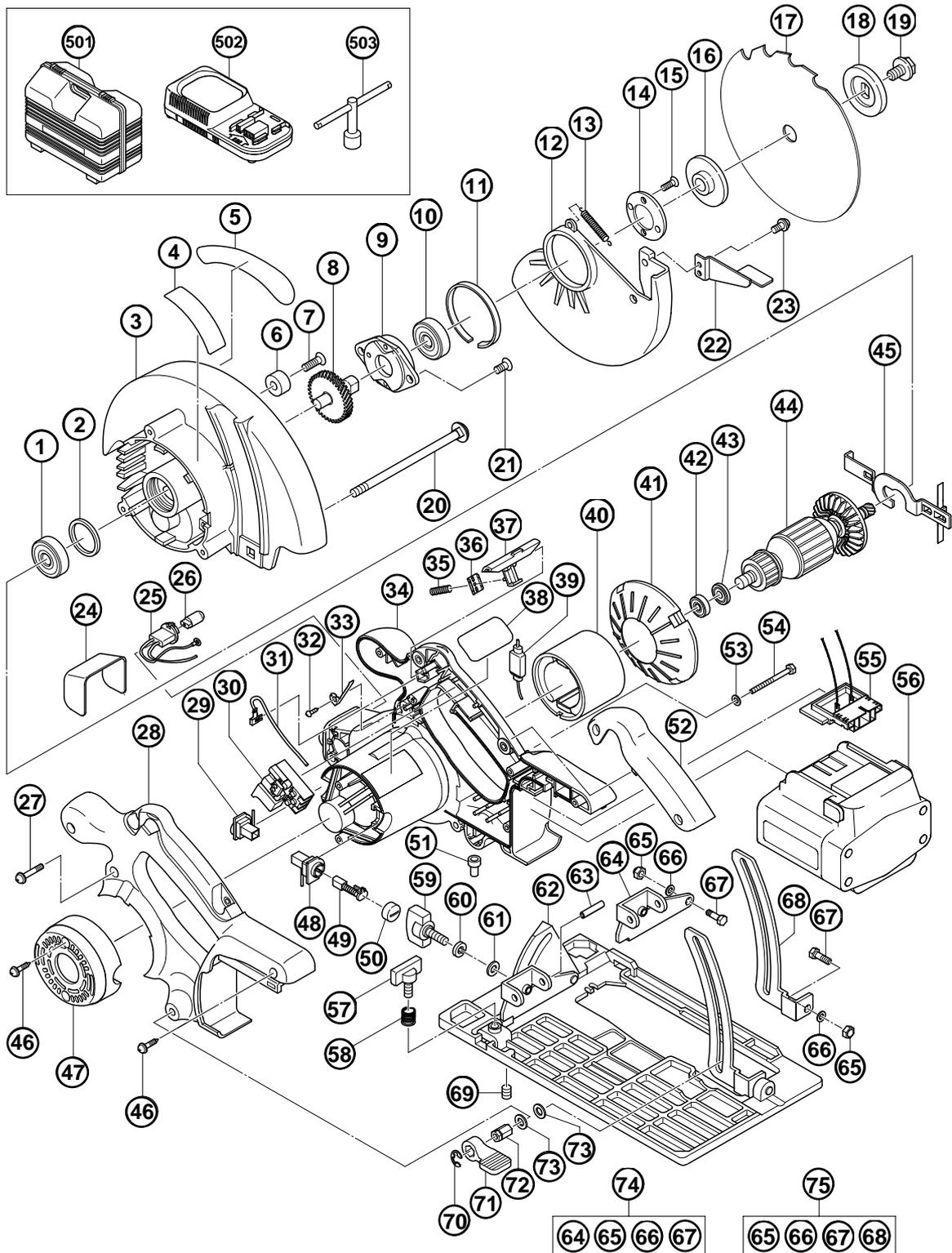
10. STANDARD REPAIR TIME (UNIT) SCHEDULES

| MODEL | Variable | | 10 | 20 | 30 | 40 | 50 | 60 min. |
|-------|------------------|--|----|---|----------------|----|----|---------|
| | Fixed | | | | | | | |
| C 7D | | Work Flow | | | | | | |
| | | | | Handle Cover Switch | | | | |
| | | | | | Housing Magnet | | | |
| | General Assembly | | | Armature Ass'y Ball Bearing (608VV) Ball Bearing (6001VV) | | | | |
| | | Saw Blade Safety Cover Return Spring | | Gear Cover Ass'y Spindle and Gear Set Bearing Holder Ball Bearing (6003VV) | | | | |
| | | Base Ass'y | | | | | | |

ELECTRIC TOOL PARTS LIST

■ CORDLESS CIRCULAR SAW
Model C 7D

2001・5・10
(E1)



PARTS

C 7D

| ITEM NO. | CODE NO. | DESCRIPTION | NO. USED | REMARKS |
|----------|----------|---|----------|----------------------------|
| 1 | 620-1VV | BALL BEARING 6201VVCMP2L | 1 | |
| 2 | 302-432 | RUBBER RING | 1 | |
| * 3 | 319-884 | GEAR COVER ASS'Y | 1 | INCLUD.2,6,7 |
| * 3 | 319-885 | GEAR COVER ASS'Y | 1 | INCLUD.2,4,6,7 FOR USA,CAN |
| * 4 | | CAUTION PLATE | 1 | FOR USA,CAN |
| 5 | | HITACHI LABEL | 1 | |
| 6 | 961-729 | CUSHION | 1 | |
| 7 | 949-794 | FLAT HD. SCREW M6X20 (10 PCS.) | 1 | |
| 8 | 319-877 | SPINDLE AND GEAR SET | 1 | |
| 9 | 302-433 | BEARING HOLDER | 1 | |
| 10 | 600-3VV | BALL BEARING 6003VVCMP2L | 1 | |
| 11 | 961-807 | BUSHING | 1 | |
| 12 | 302-425 | SAFETY COVER | 1 | |
| 13 | 302-442 | RETURN SPRING | 1 | |
| 14 | 302-435 | BEARING COVER | 1 | |
| 15 | 990-430 | SEAL LOCK FLAT HD. SCREW M4X10 | 2 | |
| * 16 | 302-444 | WASHER (A) | 1 | |
| * 16 | 302-443 | WASHER (A) | 1 | FOR USA,CAN |
| * 17 | 302-411 | TCT SAW BLADE 185MM-D20 HOLE-NT18 | 1 | |
| * 17 | 302-410 | TCT SAW BLADE 185MM-D16 HOLE-NT18 | 1 | FOR USA,CAN |
| 18 | 302-423 | WASHER (B) | 1 | |
| 19 | 302-427 | BOLT (W/FLANGE) M8X15.5 | 1 | |
| 20 | 319-879 | BOLT (SQUARE) M6 | 1 | |
| 21 | 992-013 | SEAL LOCK FLAT HD. SCREW M5X14 | 2 | |
| 22 | 302-426 | LEVER | 1 | |
| 23 | 949-215 | MACHINE SCREW M4X8 (10 PCS.) | 1 | |
| 24 | 317-204 | LIGHT COVER ASS'Y | 1 | |
| 25 | 319-820 | SOCKET | 1 | |
| 26 | 319-887 | LIGHT 24V 5W | 1 | |
| 27 | 302-434 | MACHINE SCREW (W/WASHERS) M5X45 (BLACK) | 3 | |
| 28 | 319-972 | HANDLE COVER | 1 | |
| 29 | 319-893 | BRUSH HOLDER | 1 | |
| 30 | 319-825 | SWITCH (1P SCREW TYPE) W/O LOCK | 1 | |
| 31 | 319-889 | INTERNAL WIRE | 1 | |
| 32 | 958-715 | TAPPING SCREW D4X10 | 1 | |
| 33 | 319-823 | TERMINAL (D) | 1 | |
| 34 | 319-971 | HOUSING | 1 | |
| 35 | 301-631 | SPRING (F) | 1 | |
| 36 | 317-207 | TERMINAL (A) | 1 | |
| 37 | 319-904 | KNOB | 1 | |
| 38 | | NAME PLATE | 1 | |
| 39 | 319-891 | RESISTOR (A) | 1 | |
| 40 | 319-846 | MAGNET | 1 | |
| 41 | 319-878 | FAN GUIDE | 1 | |
| 42 | 608-VVM | BALL BEARING 608VVC2PS2L | 1 | |
| 43 | 311-435 | DUST SEAL (A) | 1 | |
| 44 | 360-556 | ARMATURE ASS'Y DC 24V | 1 | INCLUD.1,42,43 |
| 45 | 302-431 | LOCK LEVER | 1 | |
| 46 | 302-086 | TAPPING SCREW (W/FLANGE) D4X20 (BLACK) | 6 | |
| 47 | 319-832 | TAIL COVER | 1 | |
| 48 | 319-827 | BRUSH HOLDER (WITH RED INTERNAL WIRE) | 1 | |

* ALTERNATIVE PARTS

5 - 01

