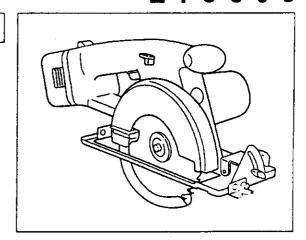
# Service Manua

Cordless Wood Saw EY3503

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#### SPECIFICATIONS

METAL CUTTER

Motor voltage

Blade speed

Blade size

Outside diameter

Mounting hole

Maximum cutting depth

Dimensions Length

Width Height

Cutting Angle

Weight

: 12V DC

: 3,400 min -1 (RPM)

: 135mm, 5-5/16" : 20mm, 25/32"

:  $3 \sim 46 \text{mm}$ ,  $1/8 \sim 1-13/16$ " ( $\phi 135 \text{mm blade}$ )

: 365mm, 14-3/8" : 201mm, 7-29/32\* : 181mm, 7-1/8"

: 0 ~ 45°

: 2.7kg, 6.01bs. including battery pack

BATTERY PACK

Storage battery

: Ni-Cd battery

Battery voltage

: 12V DC (  $1.2\mathring{V} \times 10$  cells )

Battery life

: Approx. 1,200 cycles (1cycle = 1 charge / 1 discharge)

BATTERY CHARGER

Input

: 120V AC

Weight

: 0.56kg, 1.21bs.

Charging time

: Approx. 15/20 min.

STANDARD EQUIPMENT

Battery charger, Battery pack, Blade, Hex wrench

#### **⚠ WARNING**

This service literature is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

# **Panasonic**

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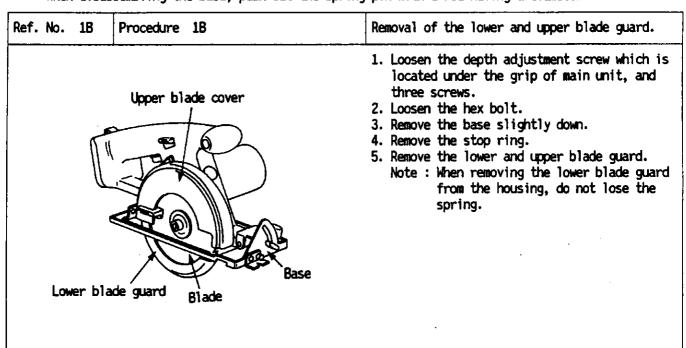
#### DISASSEMBLY INSTRUCTIONS

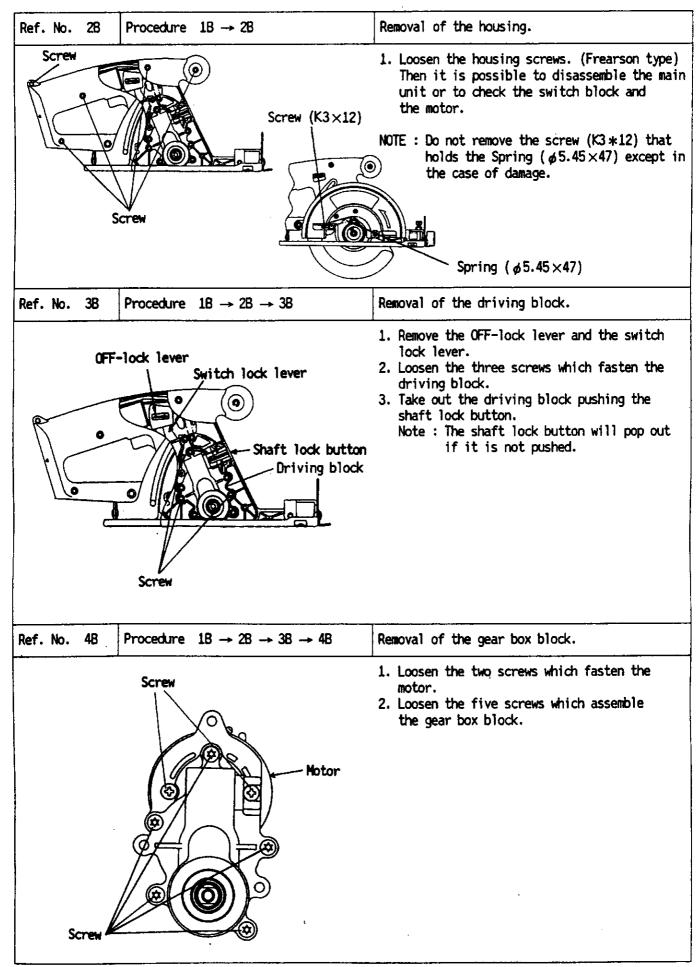
#### HOW TO REMOVE THE BLADE.

Ref. No. 1A Procedure 1A Removal or assembly of the blade. Note: Check if the battery pack is removed from the wood saw. (Note for assembly) (Removal of the blade.) 1. Hold the shaft lock button down. When assembling the inner washer and the outer This prevents the blade from rotating. washer, be sure to check the direction. 2. Use the provided hex wrench to loosen the hex bolt. Inner washer Onter washer 3. Remove the hex bolt and outer washer. 4. Use the lower guard lift lever to retract the lower guard. 5. Carefully remove the blade. Place the inner washer Place the protrusion Shaft lock butto with cut-out facing you. of the outer washer into the position of the washer. Tighter .oosen Outer washer Hex wrench Blade Hex bolt Insert with printing Upper blade cover facing you. Inner washer

HOW TO DISASSEMBLE THE MAIN UNIT. (The main unit can be opened without disassembling the base.)

\* When disassembling the base, push out the spring pin with a rod having a diameter of 5mm.



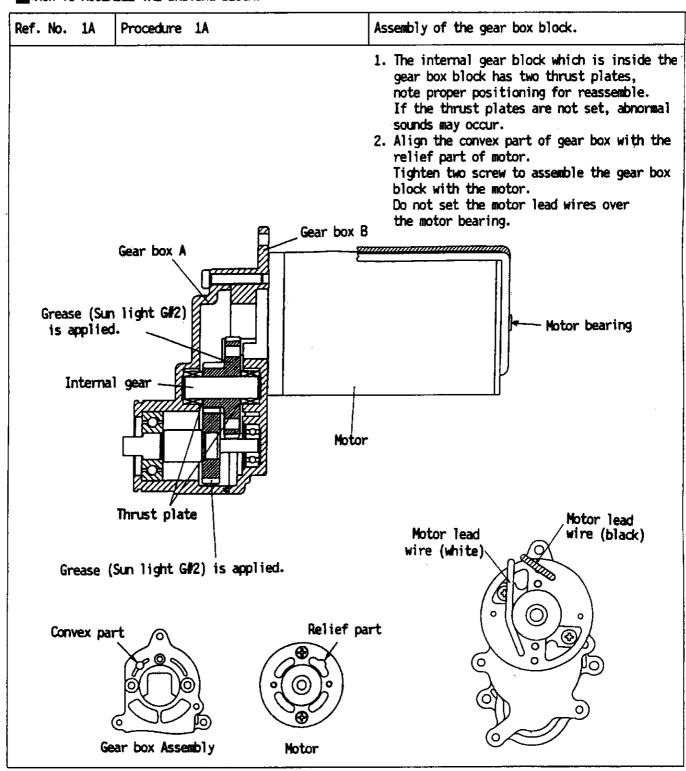


#### CAUTION FOR REASSEMBLY

The proper operation of the "switch lock lever" is critical for the safe use and operation of the metal cutter. Be extra careful in re-assembling the unit and ensure that the "switch lock lever" and the "off-lock" are properly positioned. Verify the operation of the "switch lock lever" upon completing the re-assembly procedure. Ensure that the power switch can only be activated after depressing the "switch lock lever".

#### ASSEMBLY INSTRUCTIONS

#### HOW TO ASSEMBLE THE DRIVING BLOCK.



Ref. No. 2A

Procedure 1A → 2A

Assembly of the driving block.

1. When reassembling the driving block into the housing, assemble the driving block while pushing the shaft lock button.

Note: Confirm the direction of the shaft lock button.

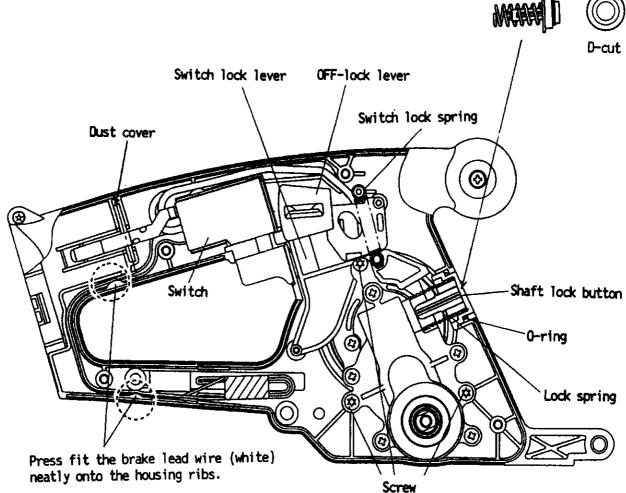
Align D-cut upwards.

- 2. Attach the white and black lead wires to the switch block.
- Put the switch lock lever into the OFF-lock lever, then fit it to the housing boss. Fit the switch lock spring neatly to the housing boss and the switch lock lever boss.

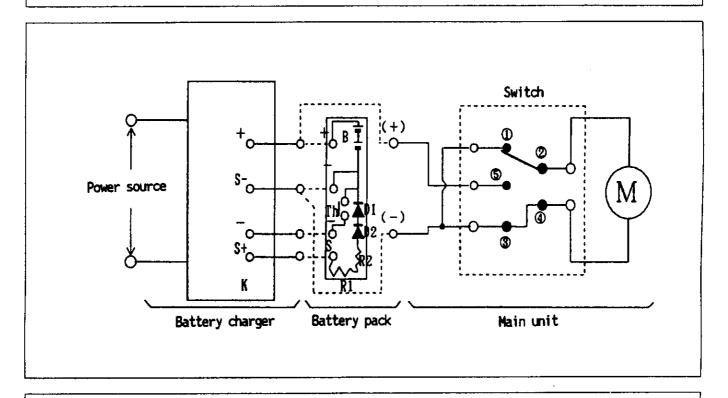
(Check-Points)

- 1. Check the lead wires, be certain they are mounted in the proper position.
  - Note: If they are not mounted in the proper position, it is possible to break the wires by pinching the lead wires in the housings.
- 2. Check the lead wires, make sure they are not set on the screw bosses.
- 3. Check the lead wires, make sure they are over the housing ribs.

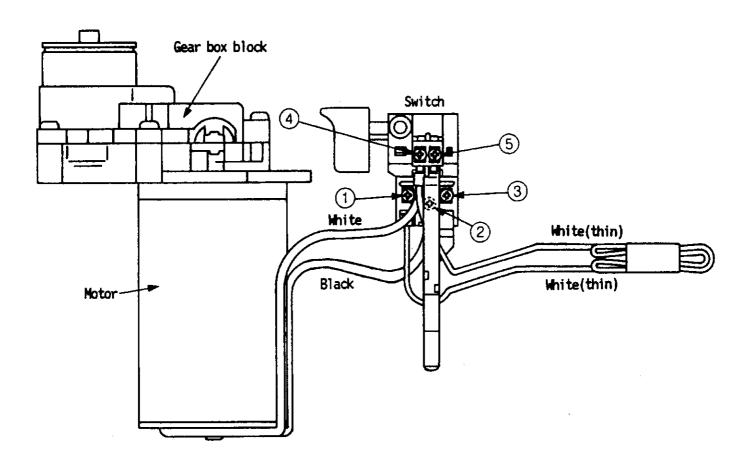
Shaft lock button



### SCHEMATIC DIAGRAM

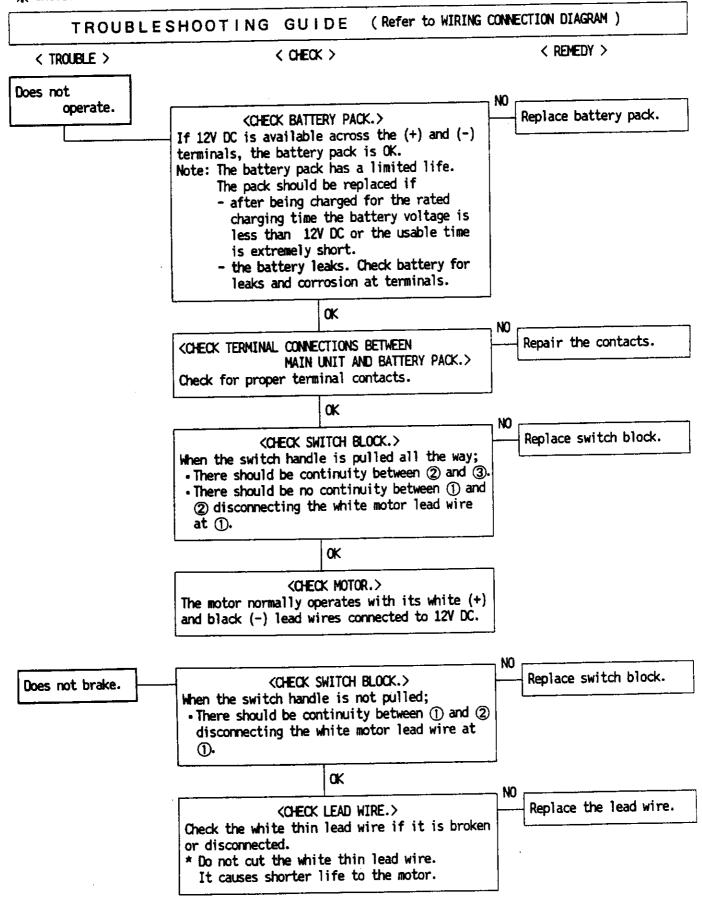


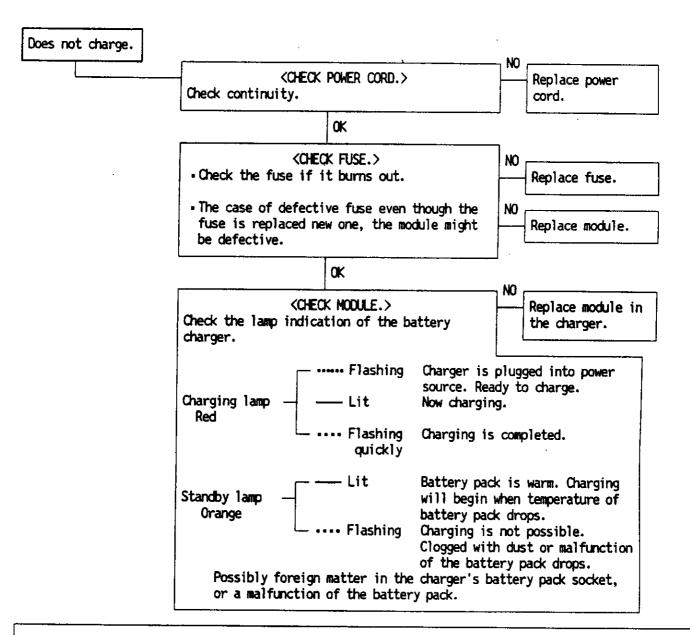
# WIRING CONNECTION DIAGRAM



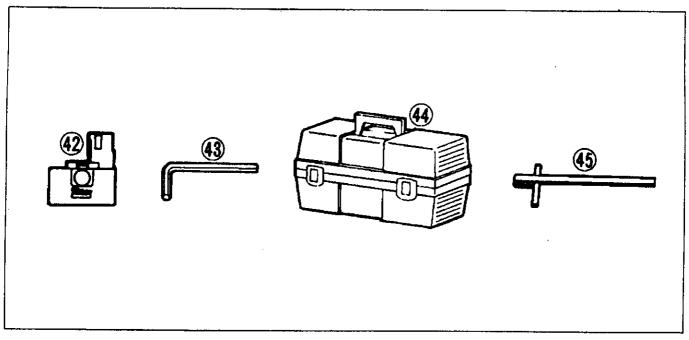
<sup>\*</sup> Do not cut the white thin lead wire.

X CAUTION ... Make sure that battery pack and blade are removed before checking or repair.

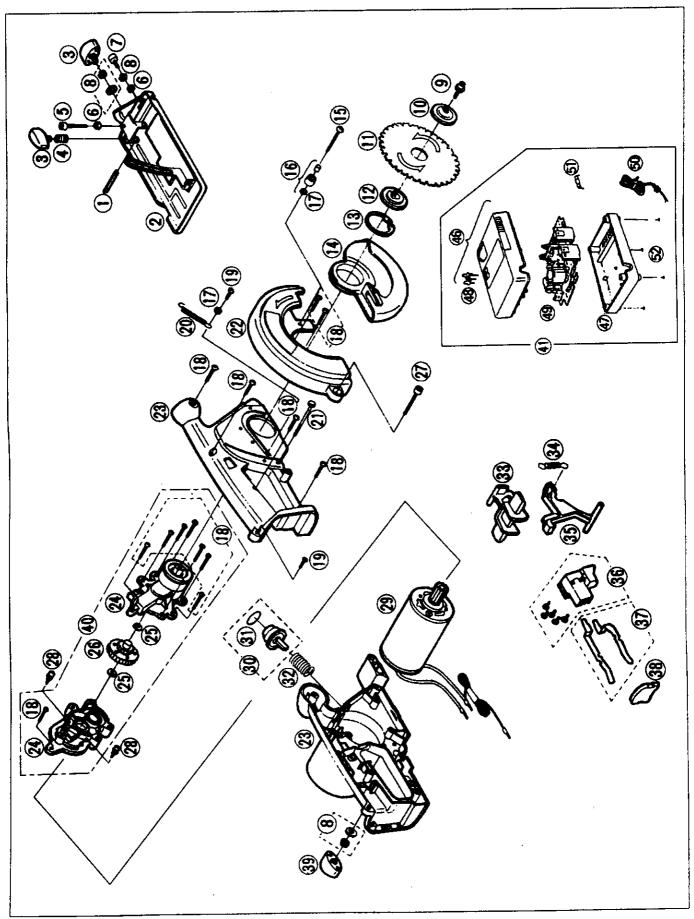




#### INCLUDED ACCESSORIES



# \*#PLODED VIEW



# REPLACEMENT PARTS LIST

NOTE: \*A · · · available as an optional accessory
\*B · · · only available as set
\*C · · · available individually

Ref.No		Part Name & Descriptions	Per unit	Remarks
	EY3500K0357	SPRING PIN	1	ø 6X45
_ 2	EY3503S3428	BASE	1	
3	EY3503K6487	ADJUSTING BOLT	2	*C
4	EY3503K0197	SPRING	1	ø 7.6X15
5	EY3503K6757	HEX HOLE BOLT	1	M5X35
6	EY3503S6547	HEX NUT	2	*C M5
7	EY3503K6708	SOKET BUTTON HEAD CUP SCREW	1	M5X14
8	EY3503S6387	WASHER	3	*B \$5(1), \$5X0.8(2)
9	EY3500K6257	FLANGE SOCKET	1	M5X12
10	EY3501K1177	OUTER WASHER	1	
11 12	EY9PW13A	BLADE		*A
	EY3503L1167	INNER WASHER	1	
13 ▲14	EY3503L0427	STOP RING	1	ļ
15	EY3503H1197	LOWER BLADE GUARD	1	
16	EY3503S9387	TAPPING SCREW	1	S4X40
17	EY3503K0397 EY3503S6518	LOWER GUARD STOPPER	- 1	
18	EY3503K6208	PLAIN WASHER TAPPING SCREW	1	#C K4Y00
19	EY3503K6228	TAPPING SCREW	14	*C K4X20
20	EY3503L0927	SPRING SCREW	2	*C K3X12
21	EY3503L6537	SQUARE SCREW		φ 5. 45X47
<u>▲22</u>	EY3503H3108	UPPER BLADE COVER		
<u>-22</u>	EY3503K3078	HOUSING AB SET		
24	EY3503L1769	GEAR BOX AB SET	<u> </u>	
25	EY3503L0847	THRUST PLATE	1	
26	EY3503L1439	INTERNAL GEAR	1	
27	EY3503K6748	HEX HOLE BOLT	<del></del>	UEVOO
28	EY3503L6067	SEMS SCREW	2	M5X30 *C K4X10
29	EY3503L1009	MOTOR	1	*C   K4X10
30	EY3503Y0368	SHAFT LOCK BUTTON	1	
31	EY3500K0967	0-RING		<del></del>
32	EY3500K0197	LOCK SPRING	<del></del>	φ 15. 4X37
33	EY3503Y3238	OFF LOCK LEVER	<del>                                     </del>	ψ 13.4X37
34	EY3500K0917	SWITCH LOCK SPRING	<del>                                     </del>	ø 5.7X28.2
35	EY3503Y1588	SWITCH LOCK LEVER	i	Ψ3.7λ20.2
<b>▲</b> 36	EY3502Y2008	POWER SWITCH	i	
37	EY3500K0067	BATTERY CONTACTS	1 1	
38	EY3510L0207	DUST COVER	i	
39	EY3503K0897	DEPTH ADJUSTING NUT	i	
40	EY3503L1458	GEAR BOX BLOCK	1	
41	EY0202	BATTERY CHARGER	1 1	*A
42	EY9106	BATTERY PACK	1	*A
43	EY3542B7867	HEX WRENCH		
44	EY9609	TOOL CASE	1	*A
45	EY3500B7727	RIP FENCE		*A
4′	EY0202B3098	HOUSING A FOR CHARGER	1	
47	EY0202B3028	HOUSING B FOR CHARGER		
48	EY0200C0547	LAMP COVER	1	
49	EY0202B2133	MODULE	1	
50	EY0202B2058	POWER CORD	1	
51	EY0202B5260	FUSE	1	
52	EY0202B9038	TAPPING SCREW FOR CHARGER	4	*C
	EY3503X5528	GREASE(SUN LIGHT G#2)	1	
<u> </u>	EY3503K8008	INDIVIDUAL BOX	1	
<u> </u>	EY3503K8108	OPERATING INSTRUCTIONS	1	