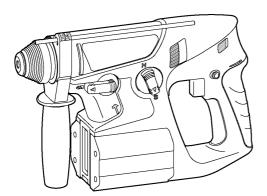
Cordless Rotary Hammer

Service Manua

EY6813-U1



SPECIFICATIONS

MAIN UNIT

	Concrete	20mm (25/32")				
Maximum Drilling Diameter	Steel	13mm (33/64")				
	Wood	27mm (1-1/16")				
Motor Voltage		DC Motor 24V				
Speed at No Load (DBM)	Slow Mode	0 ~ 520/min (rpm)				
Speed at No Load (RPM)	High Mode	0 ~ 950/min (rpm)				
Blows Rate Per Minute (BPM) Soft Mode Hard Mode		0 ~ 3100/min (bpm)				
		0 ~ 4600/min (bpm)				
Weight (with battery pack)		4.35kg (9.6lbs.)				
Dimensions (L×W×H)		316×206×74mm (12-28/64"×8-7/64"×2-58/64")				

This service information 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.

Pano

CONTENTS

i ago
1 SCHEMATIC DIAGRAM2
2 WIRING CONNECTION DIAGRAM2
3 DISASSEMBLY/ASSEMBLY INSTRUCTIONS
4 TROUBLESHOOTING GUIDE6



©	2002	Matsushita	Electric	Works	Ltd.	All righ	ts
res	served	. Unauthoriz	ed copyi	ng and	distrit	oution is	а
vic	olation	of law.					

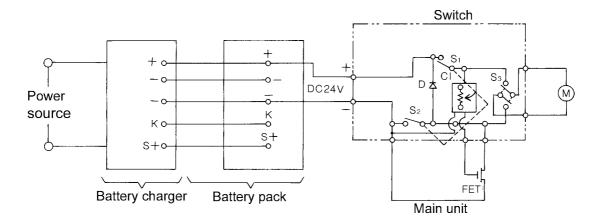
5 TRIAL OPERATION(after checking TROUBLESHOOTING GUIDE.) ------ 8 7 REPLACEMENT PARTS LIST

Page

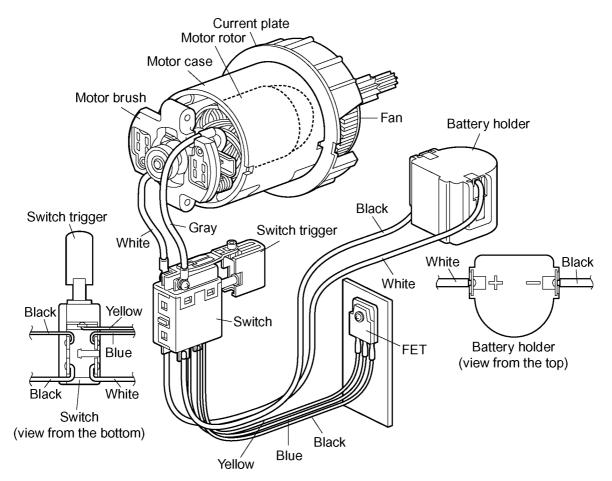
---- 10

1

SCHEMATIC DIAGRAM

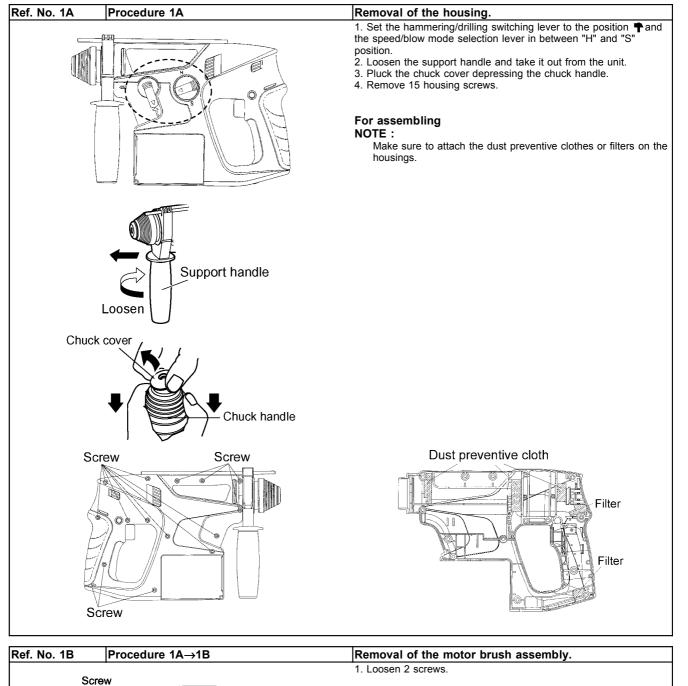


2 WIRING CONNECTION DIAGRAM



3 DISASSEMBLY/ASSEMBLY INSTRUCTIONS

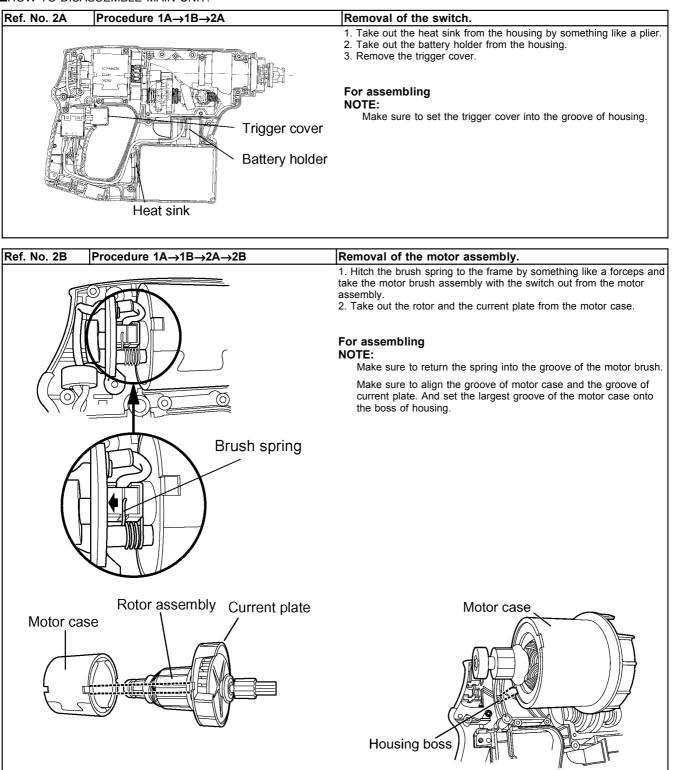
■HOW TO DISASSEMBLE THE MAIN UNIT.



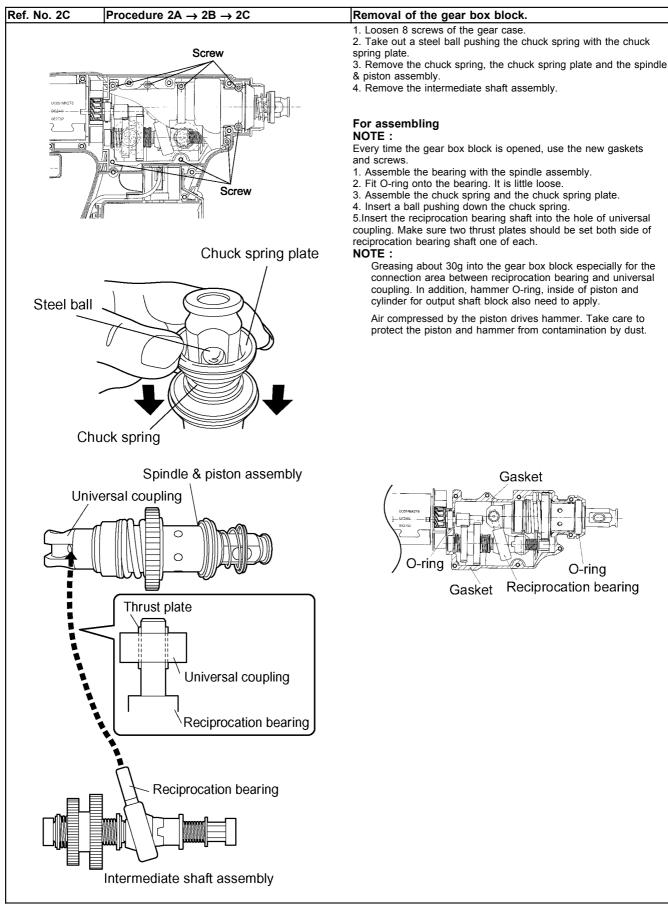
DC054M DC24V 082702

0

■HOW TO DISASSEMBLE MAIN UNIT.



■HOW TO DISASSEMBLE THE GEAR BOX BLOCK.



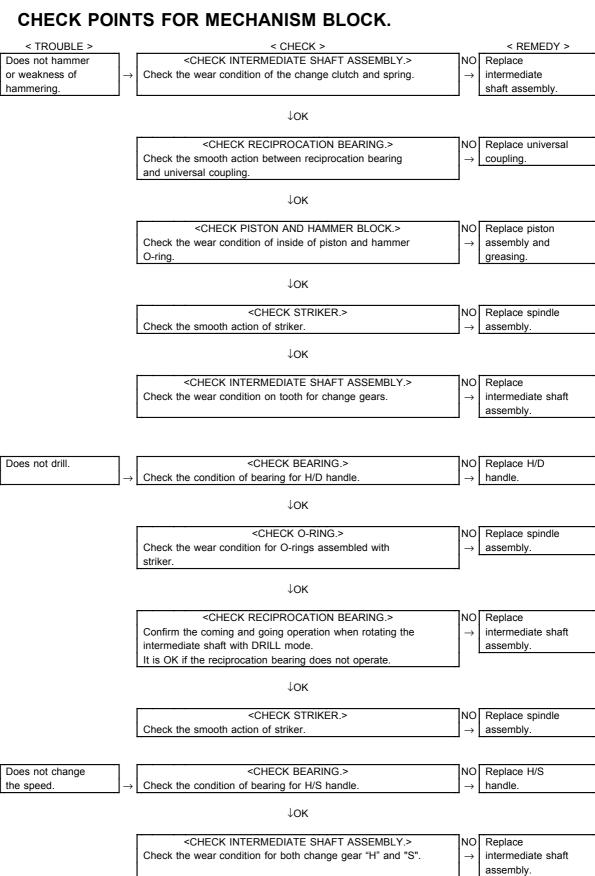
4 TROUBLESHOOTING GUIDE

(Refer to WIRING CONNECTION DIAGRAM)

4.1. CHECK POINTS FOR ELECTRICAL PARTS.

< TROUBLE >	< CHECK >		< REMEDY >
Does not operate.	<check battery="" pack.=""></check>	NO	Replace battery
	If no less than 24V DC is available across the (+) and (-)	\rightarrow	pack.
	terminals after charging the rated charging time (45min.),		
	the battery pack is OK.		
	NOTE: The battery pack is sold separately as an optional		
	accessory. See the nearest sales dealer for		
	details. The battery pack has a limited life.		
	The pack should be replaced if;		
	- after being charged for the rated charging		
	time the battery voltage is less than 24V DC		
	or the usable time is extremely short.		
	- the battery leaks. Check battery for leaks		
	and terminals for corrosion.		
	↓OK		
	<check between<="" connections="" td="" terminal=""><td></td><td>Repair contacts or</td></check>		Repair contacts or
	MAIN UNIT AND BATTERY PACK.>	\rightarrow	replace switch
	Check for proper terminal contacts or if there is any foreign	Ĺ	assembly.
	substances around the battery terminals of battery holder.		ussembly.
	↓ок		
	<check motor.=""></check>	NO	Replace motor
	The motor normally operates with its white (+) and gray (-)	\rightarrow	rotor and brush
	lead wires connected to 24V DC.		assembly.
Does not speed-	<check switch.=""></check>	Лио	Replace switch &
control but switch \rightarrow	Even if FET block is defective, it can not be replaced	\rightarrow	FET block.
rigger works	individually. Replace whole switch block.	1	
		-	

4.2. CHECK POINTS FOR MECHANISM BLOCK.



EY6813-U1

5 TRIAL OPERATION(after checking TROUBLESHOOTING GUIDE.)

5.1. HAMMER/DRILL

Confirm the action when setting the H/D handle to HAMMER mode.

Rotation with hammering when the drill bit touches something like stone, and power.

It is OK, if it takes about 7-10 seconds by 20kgf to hole (ϕ 12.5X40) on the concrete (pressure strength 240kgf/cm²).

Confirm the action when setting the $\ensuremath{\text{H/D}}$ handle to DRILL mode.

No hammering when the drill bit touches iron plate.

5.2. SPEED CONTROL

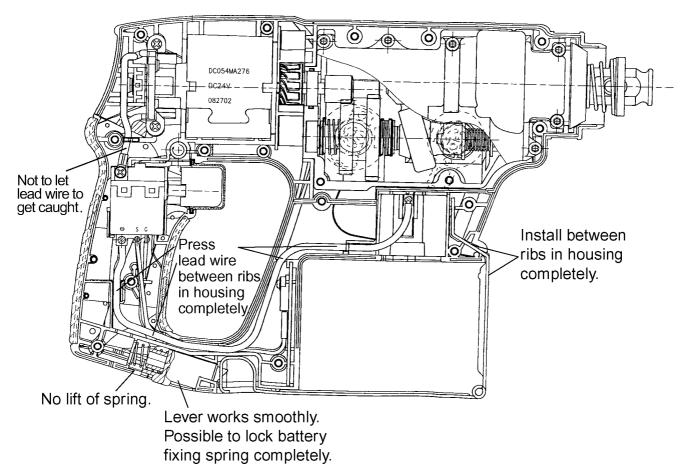
Change the rotation speed from 0-950 rpm in proportion to the amount of pushing level on switch trigger.

5.3. REVERSING LEVER

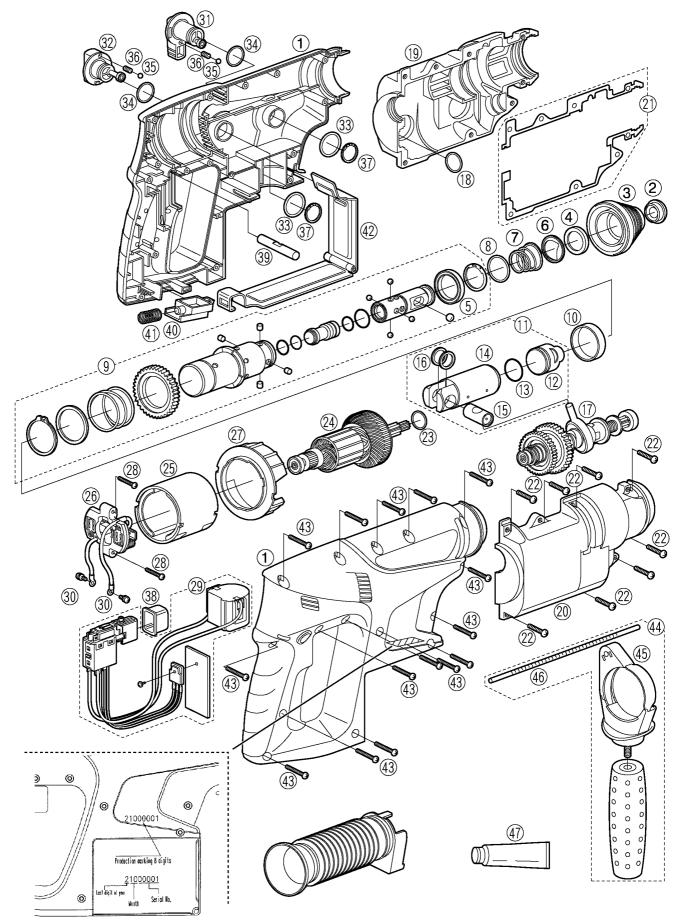
Confirm the action with setting the reversing lever to FORWARD or REVERSE.

5.4. ASSEMBLY

Confirm pressing the lead wires between ribs, tightening screws firmly and replacing the new gasket and screws for the gear box block.



6 EXPLODED VIEW



7 REPLACEMENT PARTS LIST

NOTE:

*B=only available as set

*C=available individually

Ref.No.	Part No.	Part Name & Description	Remarks			Per Uni
1	WEY6813K3078	HOUSING AB SET				1
2	WEY6813H3117	CHUCK COVER				1
3	WEY6813K3127	CHUCK HANDLE				1
4	WEY6813L0427	BALL GUIDE				1
5	WEY6813L1917	STEEL BALL		φ 7		1
6	WEY6813L0437	CHUCK SPRING STRIKE PLATE				1
7	WEY6813L0917	CHUCK SPRING				1
8	WEY6813L0367	O RING		ϕ 35		1
9	WEY6813L4058	SPINDLE ASSEMBLY				1
10	EY6812L0387	BEARING				1
11	WEY6813L4067	PISTON ASSEMBLY				1
12	EY6812L4627	HAMMER				1
13	EY6812L0977	O RING				1
14	WEY6813L1247	PISTON				1
15	WEY6813L1257	UNIVERSAL COUPLING				1
16	EY6812L0847	THRUST PLATE	*в	(2PCS/PK)		2
17	WEY6813L4077	INTERMEDIATE SHAFT ASSEMBLY				1
18	WEY6813L0467	THRUST PLATE				1
19	WEY6813L0017	GEAR CASE A				1
20	WEY6813L0027	GEAR CASE B				1
21	WEY6813L0987	GASKET AB SET				1
22	WEY6813L9557	ALUMINUM TIGHT SCREW (M4X16)	*B	(5PCS/PK)		8
23	WEY6813L0357	O RING				1
24	WEY6813L4627	MOTOR ROTOR ASSEMBLY				1
25	WEY6813L4987	MOTOR CASE ASSEMBLY				1
26	WEY6813L4637	MOTOR BRUSH ASSEMBLY				1
27	WEY6813L0447	CURRENT PLATE				1
28	EY574B9037	P TIGHT SCREW (K3X20)	*C			2
29	WEY6813L4157	SWITCH ASSEMBLY				1
30	EY6225L6027	SEMS SCREW (M3X5)	*C			2
31	WEY6813Y4607	H/D HANDLE				1
32	WEY6813Y4617	H/S HANDLE				1
33	WEY6813L0377	O RING	*C			2
34	WEY6813L0387	O RING	*C	φ 15.5		2
35	WEY505B6967	STEEL BALL	*B	(5PCS/PK)		2
36	WEY6813L1407	CLICK SPRING	*B	(2PCS/PK)		2
37	WEY6813L0457	SNAP RING	*B	(2PCS/PK)		2
38	WEY6813L3137	TRIGGER COVER		,,		1
39	WEY6813L3147	F/R HANDLE		1	+	1
40	WEY6813D3157	RELEASE LEVER		1		1
41	EY6812L0177	SPRING A		1		1
42	EY6811K3817	BATTERY FIXING METAL ASSEMBLY			+ +	1
43	EY3503K6208	TAPPING SCREW (K4X20)	*C		+	15
43	WEY6813K4627	AUXILIARY HANDLE			+	15
44	WE16813K4637	SUPPORT HANDLE			+ -	1
45	WEY6813H7727	DEPTH GAUGE			+	1
40	EY6812T7918	BIT GREASE				1
-	WEY681217918	THIXO GREASE				1
-	ME100137321/	ININO GRANE			+	1

** Battery Pack, Dust Collecting Cup and Tool Case are available as an optional accessory.

See the nearest sales dealer for details.

*** For replacement parts of charger, see the charger service manual.

Charger complete set is available as an optional accessory. See the nearest sales dealer for details.

Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com