

MODEL

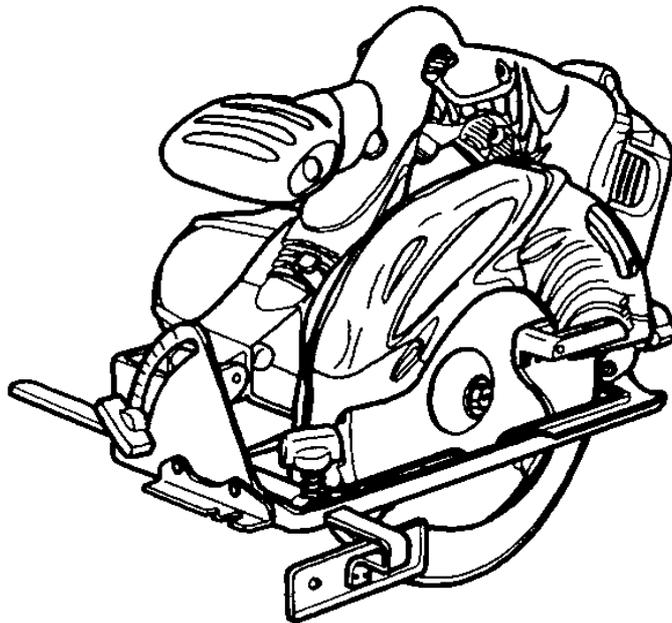
C 18DMR

Hitachi
Power Tools

C

CORDLESS CIRCULAR SAW
C 18DMR

TECHNICAL DATA
AND
SERVICE MANUAL



LIST No. G828

June 2005

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT

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
C	MAKITA	5620DWA
D	DEWALT	DC390K
M	MILWAUKEE	6310-22
B	BOSCH	1662K

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1. PRODUCT NAME

Hitachi Cordless Circular Saw, Model C 18DMR

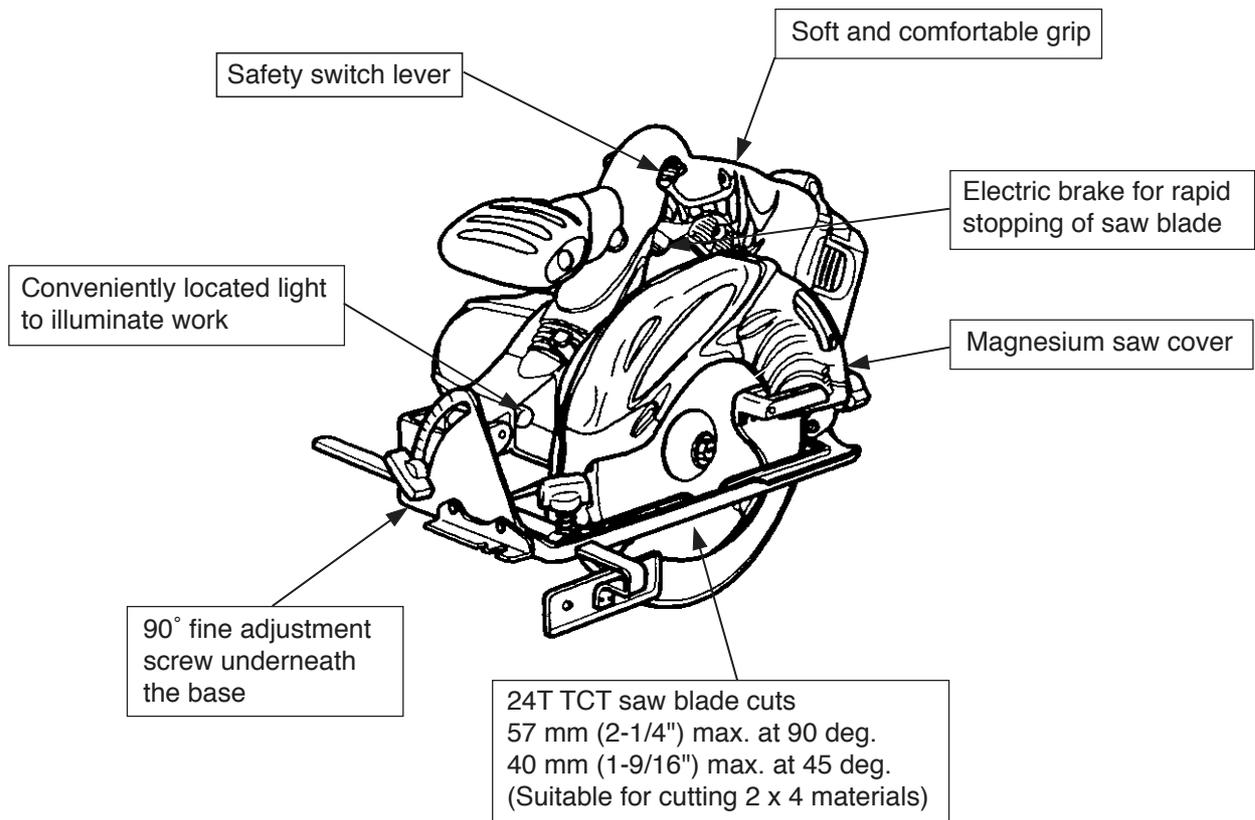
2. MARKETING OBJECTIVE

Circular saws are highly sought in the United States and some other countries where a majority of houses are of 2 x 4 construction. While we have so far met this demand with our AC-powered saws, the need for cordless tools is growing for working on sites with no or few power supply facilities. We have thus developed this model which is equipped with a 165 mm (6-1/2") saw blade capable of cutting a 2 x 4 piece of wood with a single pass of the blade even at an angle of 45°. This feature is expected to make this product series stand out from the existing competitive models.

3. APPLICATIONS

- Cutting various wood materials

4. SELLING POINTS



4-1. Selling Point Descriptions

(1) 24T TCT saw blade cuts 57 mm (2-1/4") max. at 90 deg.

The Model C 18DMR is equipped with a 165 mm (6-1/2") tungsten-carbide tipped saw blade as a standard attachment. Its maximum cutting depth is 57 mm (2-1/4"), while maker C's, B's and M's maximum cutting depth is 54 mm (2-1/8").

(2) 24T TCT saw blade cuts 40 mm (1-9/16") max. at 45 deg.

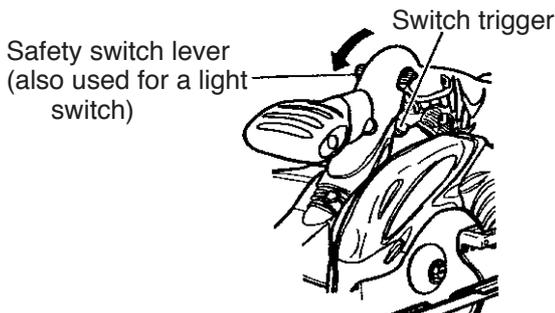
(Suitable for cutting 2 x 4 materials)

The Model C 18DMR's maximum cutting depth is 40 mm (1-9/16") at 45 degrees inclined cutting. Therefore, a 2 x 4 workpiece can be easily cut at 45 degrees inclined cutting.

(3) Conveniently located light to illuminate work

The Model C 18DMR 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 safety switch 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.

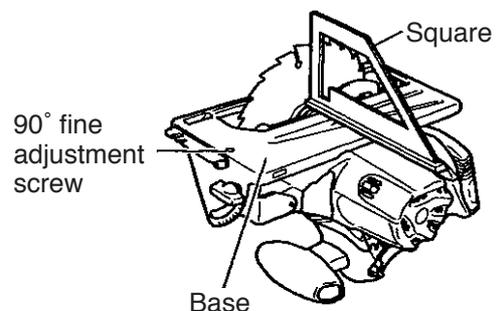
The safety switch lever and the light switch are integrated into one switch.



- ① The blade edges are lit by the spotlight when pressing the safety switch 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 safety switch lever automatically returns to off-position and the spotlight is turned off when the trigger switch is released.

(4) 90° fine adjustment screw underneath the base

The Model C 18DMR is equipped with a 90° fine adjustment screw that makes the angle between the base and the saw blade square for accurate 90° cutting.



5. SPECIFICATIONS

Model		C 18DMR																							
Saw blade diameter		165 mm (6-1/2")																							
Cutting depth	at 90°	0 – 57 mm (0 – 2-1/4")																							
	at 45°	0 – 40 mm (0 – 1-9/16")																							
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																							
	Saw cover	Magnesium																							
	Lower guard	Polycarbonate																							
	Charger	ABS resin																							
	Battery	Glassfiber reinforced polyamide resin																							
Rotation speed	No-load	3,400/min.																							
Current (A)		4.5 A																							
Battery (Type EB 1820L)	Sealed cylindrical nickel-cadmium storage battery Nominal voltage DC 18 V Nominal life Charging/discharging: Approx. 1,000 times Nominal capacity 2.0 Ah																								
Battery (Type EB 1826HL/ EB 1830HL)	Sealed cylindrical nickel-metal-hydride storage battery Nominal voltage DC 18 V Nominal life Charging/discharging: Approx. 500 times Nominal capacity 2.6/3.0 Ah																								
Charger (Model UC 24YFA)	<p>Overcharge protection system: (1) Battery voltage detection (Δ^2V system) for Ni-Cd battery Ni-MH battery temperature detection (dT/dt system) for Ni-MH battery (2) Battery surface temperature detection (thermostat or thermistor) (3) 120 minutes timer Power input: 90 W Charging time: Approx. 50 minutes [for type EB 1820L battery at 20°C (68°F)] Approx. 60 minutes [for type EB 1826HL battery at 20°C (68°F)] Approx. 70 minutes [for type EB 1830HL battery at 20°C (68°F)] Operable ambient temperature range: 0 °C – 40°C (32°F – 104°F) The maximum allowable temperature of the type EB 1820L battery is 60°C (140°F) and the type EB 1826HL or EB 1830HL battery is 45°C (113°F).</p> <p>Indication method of battery charging function:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Indications of the pilot lamp</th> </tr> </thead> <tbody> <tr> <td style="width: 15%;">Before charging</td> <td style="width: 15%;">Blinks (RED)</td> <td style="width: 50%;">Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds) </td> <td rowspan="3" style="width: 20%;"></td> </tr> <tr> <td>While charging</td> <td>Lights (RED)</td> <td>Lights continuously. </td> </tr> <tr> <td>Charging complete</td> <td>Blinks (RED)</td> <td>Lights for 0.5 seconds. Does not light for 0.5 seconds. (off for 0.5 seconds) </td> </tr> <tr> <td>Charging impossible</td> <td>Flickers (RED)</td> <td>Lights for 0.1 seconds. Does not light for 0.1 seconds. (off for 0.1 seconds) </td> <td>Malfuction in the battery or the charger</td> </tr> <tr> <td>Charging impossible</td> <td>Lights (GREEN)</td> <td>Lights continuously. </td> <td>The battery temperature is high, making recharging impossible.</td> </tr> </tbody> </table>			Indications 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) 	Malfuction in the battery or the charger	Charging impossible	Lights (GREEN)	Lights continuously. 	The battery temperature is high, making recharging impossible.
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Weight	Net	Main body (including battery) 3.6 kg (8.0 lbs.) Charger unit (including cord) 0.6 kg (1.3 lbs.)
	Gross	Main body, charger, case and other standard accessories 8.4 kg (18.7 lbs.)
Standard accessories		Charger (UC 24YFA) 1 Saw blade 1 Box wrench 1 Guide 1 Plastic tool case 1

1) Saw blade

- For the U.S.A. and Canada

External diameter	Hole diameter	No. of teeth	Code No.
165 mm (6-1/2")	15.9 mm (5/8")	24 pieces	324293
165 mm (6-1/2")	15.9 mm (5/8")	40 pieces	317451

- For Australia, New Zealand and China

External diameter	Hole diameter	No. of teeth	Code No.
165 mm (6-1/2")	20 mm (25/32")	40 pieces	317452
165 mm (6-1/2")	20 mm (25/32")	24 pieces	324294

- For EURO

External diameter	Hole diameter	No. of teeth	Code No.
165 mm (6-1/2")	30 mm (1-3/16")	24 pieces	324295

2) Battery

- EB 1830HL (3.0 Ah)

Country	Code No.
U.S.A. and Canada	322877
Australia	322876

- EB 1826HL (2.6 Ah)

Country	Code No.
W. EURO and N. EURO	322878

- EB 1820L (2.0 Ah)

Country	Code No.
Australia, New Zealand and W. EURO	322880
China	323016
U.S.A. and Canada	322881

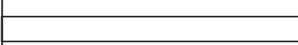
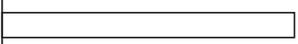
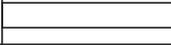
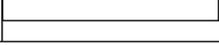
6. COMPARISONS WITH SIMILAR PRODUCTS

Maker		HITACHI		C	D (EURO)/(U.S.A.)	B	M
		C 18DMR	C 6DC2				
Max. cut depth	90°	mm	57 (2-1/4")	54 (2-1/8")	55/2-1/4"	54 (2-1/8")	54 (2-1/8")
	45°	mm	40 (1-9/16")	38 (1-1/2")	42/1-5/8"	41 (1-5/8")	41 (1-5/8")
Saw blade	Diameter	mm	165 (6-1/2")	165 (6-1/2")	165 (6-1/2")	165 (6-1/2")	165 (6-1/2")
	No. of chips	pieces	24	24	16	18	24
No-load speed		min ⁻¹	3,400	2,600	3,700	3,600	3,200
Battery	Nominal capacity	Ah	3.0/2.6/2.0	2.6	2.4	2.0	2.4
	Nominal voltage	V	18	18	18	18	18
	Charging time*	minutes	50 (2.0 Ah)	60	60	60	60
Brake			Equipped	Equipped	Equipped	Equipped	Equipped
Adjustable guide piece			None	None	None	Equipped	None
Base material			Steel plate	Aluminum die casting	Magnesium	Aluminum die casting	Aluminum plate
Blade edge illumination			Equipped	Equipped	None	None	None
Carbon brushes replacement			Unable	Unable	Able	Able	Unable
Dimension	Length	mm	351	364	406	357	395
	Tool weight	kg	3.6	3.6	4.2/8.7 lbs.	4.2	4.3
No-load-noise level		dB (A)	82	79	81	79	78

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

7. WORKING PERFORMANCE PER SINGLE CHARGE

(In terms of 2.0 Ah battery)

Material	Maker	Model	Working capacity (cuts)					Cutting speed (sec/cut)
			30	60	90	120	150	
SPF 2 x 8	HITACHI	C 18DMR						3.7
		C						3.9
		D						6.7
		B						5.6
		M						8.9

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 as a reference only.

8. PRECAUTIONS IN SALES PROMOTION

In the interest of promoting the safest and most efficient use of the Model C 18DMR 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

Salesperson 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 tool which are different from those of ordinary electric power tools.

(1) Before use, ensure that the storage battery is fully charged.

New storage battery is not fully charged. Even if the storage battery was 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 storage battery prior to use.

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

Because of the batteries' rapid-charging feature (about one hour), 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 – 40 °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 under 0°C (32°F), the thermostat will not function properly, and the storage battery may be over-charged. 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 and there is a chance that the temperature fuse inserted in the interior of the transformer will inadvertently melt. After charging one battery, please charge the next battery after about fifteen minutes intervals.

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

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

(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 thermostat, 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 storage battery.

Ensure that all customers understand that storage batteries should be turned to a 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 basic safety precautions are listed on the Name Plate attached to the main body of each tool.

- For the U.S.A. and Canada

DANGER-Keep hands and body parts away from blade. Contact with blade will result in serious injury.
WARNING-To reduce the risk of injury, user must read and understand instruction manual. Check lower guard. It must close instantly! Hold saw with both hands. Support and clamp work. Wear eye protection.

(2) The following cautions are listed on the Name Plate attached to the storage battery.

- For the U.S.A. and Canada (EB 1830HL)

CAUTION
● For safe operation, see instruction manual.
● Use HITACHI charger recommended in instruction manual for recharging.

- For EURO and other countries (EB 1830HL, EB 1826HL, EB 1820L)

CAUTION
● Read thoroughly HANDLING INSTRUCTIONS before use.
● Do not disassemble nor throw into fire.

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

- For the U.S.A. and Canada

CAUTION ● For safe operation, see instruction manual. ● Charge HITACHI rechargeable batteries types EB7, EB9, EB12, EB14, EB18 series, and EB24B. Other types of batteries may burst causing personal injury and damage. ● Charge between 32°F and 104°F. ● Indoor use only. ● Replace defective cord immediately.

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

The cordless circular saw offers many advantages; it can be used in places without power source, 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 18DMR 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.

Do not lock the motor during operation.

(2) Avoid continuous heavy-duty operation.

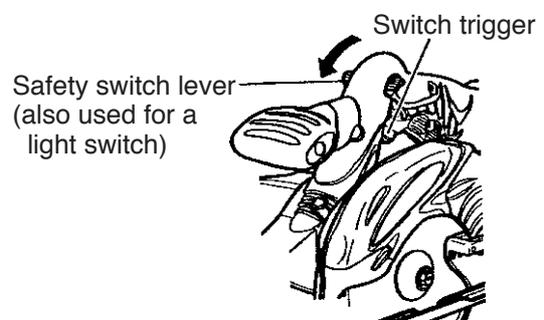
Cutting a thick workpiece with strong pressure puts a heavy load on the motor. If such an operation is performed continuously, the temperature of the motor and the housing will rise and the motor will burn. Do not perform heavy-duty operations continuously.

(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 causes mechanical failure. Instruct your customer never to cover or block the vent hole.

(4) Safety switch lever

The Model C 18DMR is equipped with a safety switch 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 safety switch lever. However, this lever is equipped for user's safety. The salespersons must instruct the users not to insert any foreign substance such as a chip of wood in the safety switch lever to ensure the correct functioning of the safety switch lever. Refer to the Handling Instructions "Operation of Switch" for operation of the safety switch lever.



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

Although the nominal chargeable capacity of the storage batteries used with the Model C 18DMR is 2,000 mAh, 2,600 mAh and 3,000 mAh, the actual capacity may vary within 10 %. It depends 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.

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 description below correspond to the item numbers in the Parts List and the exploded assembly diagram for the Model C 18DMR.

9-1-1. Disassembly

(1) Removal of the TCT Saw Blade **[3]**

While pressing the Lock Lever **[25]**, turn the Bolt (Left Hand) W/Washer M7 x 17.5 **[1]** clockwise with the Box Wrench 10 mm **[503]** to loosen it. Remove Washer (B2) **[2]**, TCT Saw Blade **[3]**, Ring D15.9/l.D14.5 **[4]** and Washer (A1) or (A2) or (A3) **[5]**. Handle the saw blade with care to avoid injury. The Ring D15.9/l.D14.5 **[4]** is provided for the U.S.A., Canada and France.

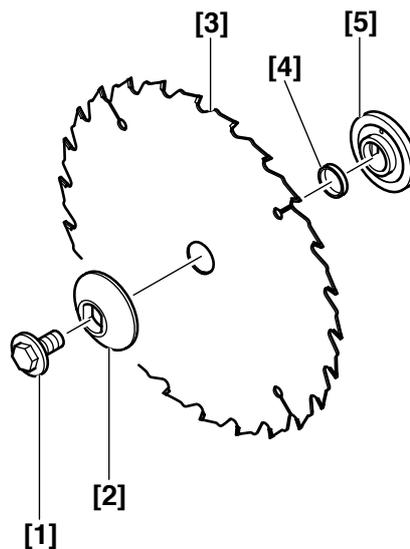


Fig. 1

(2) Removal of the Protective Cover [9]

Remove the three Seal Lock Flat Hd. Screws M3 x 12 [6] and then the Bearing Cover [7]. Remove the Return Spring [19] from the Saw Cover [18]. Remove the Protective Cover [9] from the Bearing Holder [12]. Remove the Bushing [10] from the Protective Cover [9].

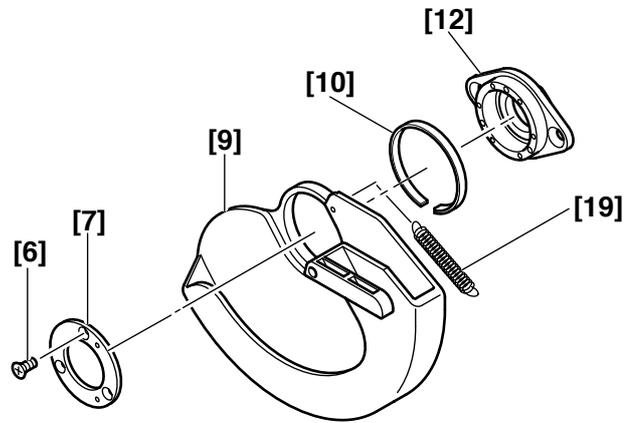


Fig. 2

(3) Removal of the Saw Cover [18]

Remove the Bolt Ass'y (Square) M6 x 22 [43]. Remove the Tapping Screw (W/Flange) D5 x 50 [14] and then the Saw Cover [18].

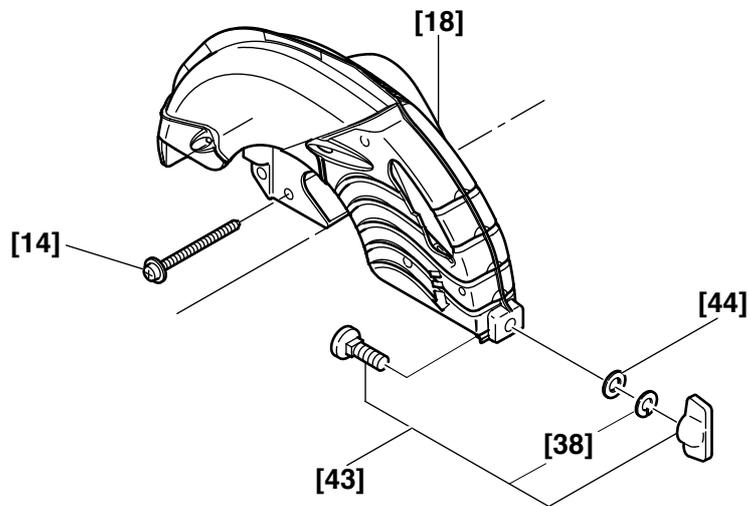


Fig. 3

(4) Removal of the Handle Cover [47]

Remove the five Tapping Screws (W/Flange) D4 x 16 (Black) [46] to remove the Handle Cover [47].

(5) Disassembly of the Gear [13] and Motor (B) [28]

- (a) Remove the Seal Lock Flat Hd. Screw M5 x 12 [11] to remove the Bearing Holder [12], Gear [13] and Ball Bearing 6002VVCMP2L [8] together. Put the spindle of the Gear [13] with hand-press to remove the Gear [13] from the Bearing Holder [12]. Remove the Ball Bearing 6002VVCMP2L [8] from the Bearing Holder [12].
- (b) Remove the Nylock Bolt (W/Flange) M4 x 12 [22] from Inner Cover (B) [23].
- (c) Remove the Ball Bearing 609VVC2PS2L [24] from the pinion of Motor (B) [28]. Remove the Lock Lever [25] and the Spring [36], then remove the two Special Bolts M5 [26] to remove Inner Cover (A) Ass'y [27].

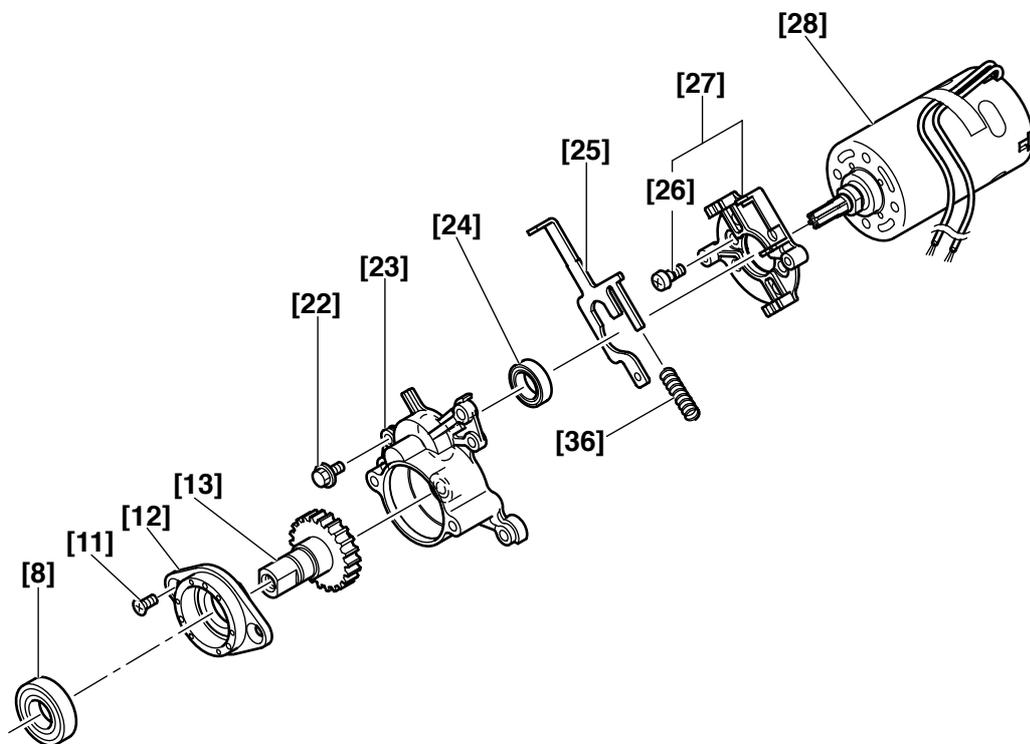


Fig. 4

(6) Removal of the Base Ass'y [39]

Extract the Roll Pin D6 x 50 [45] that connects the Base Ass'y [39] and the Housing [34]. Remove the Base Ass'y [39].

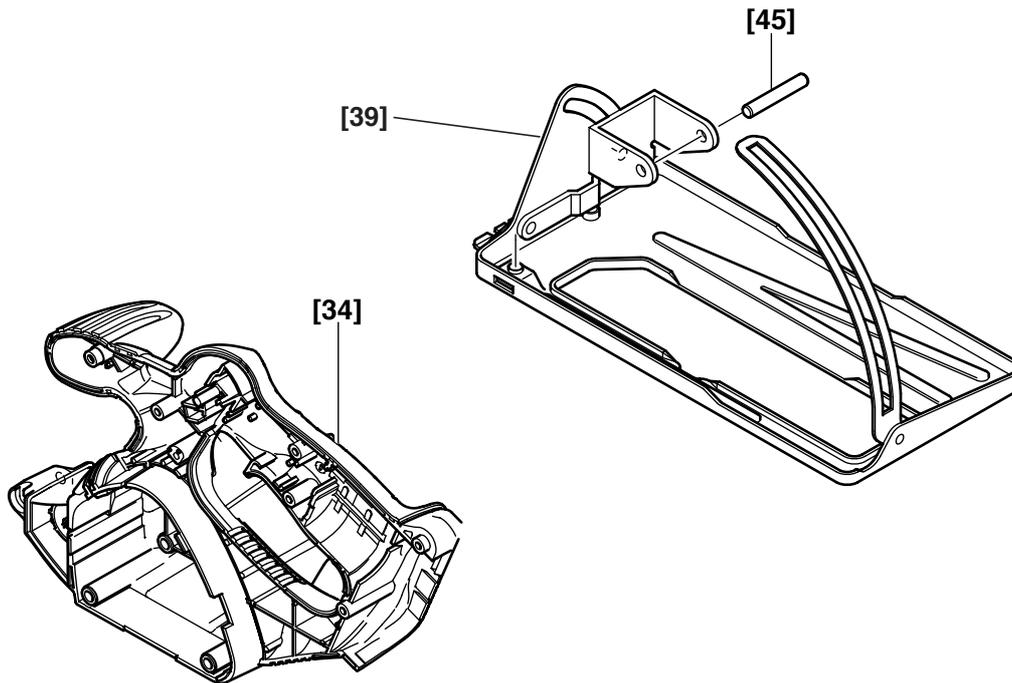
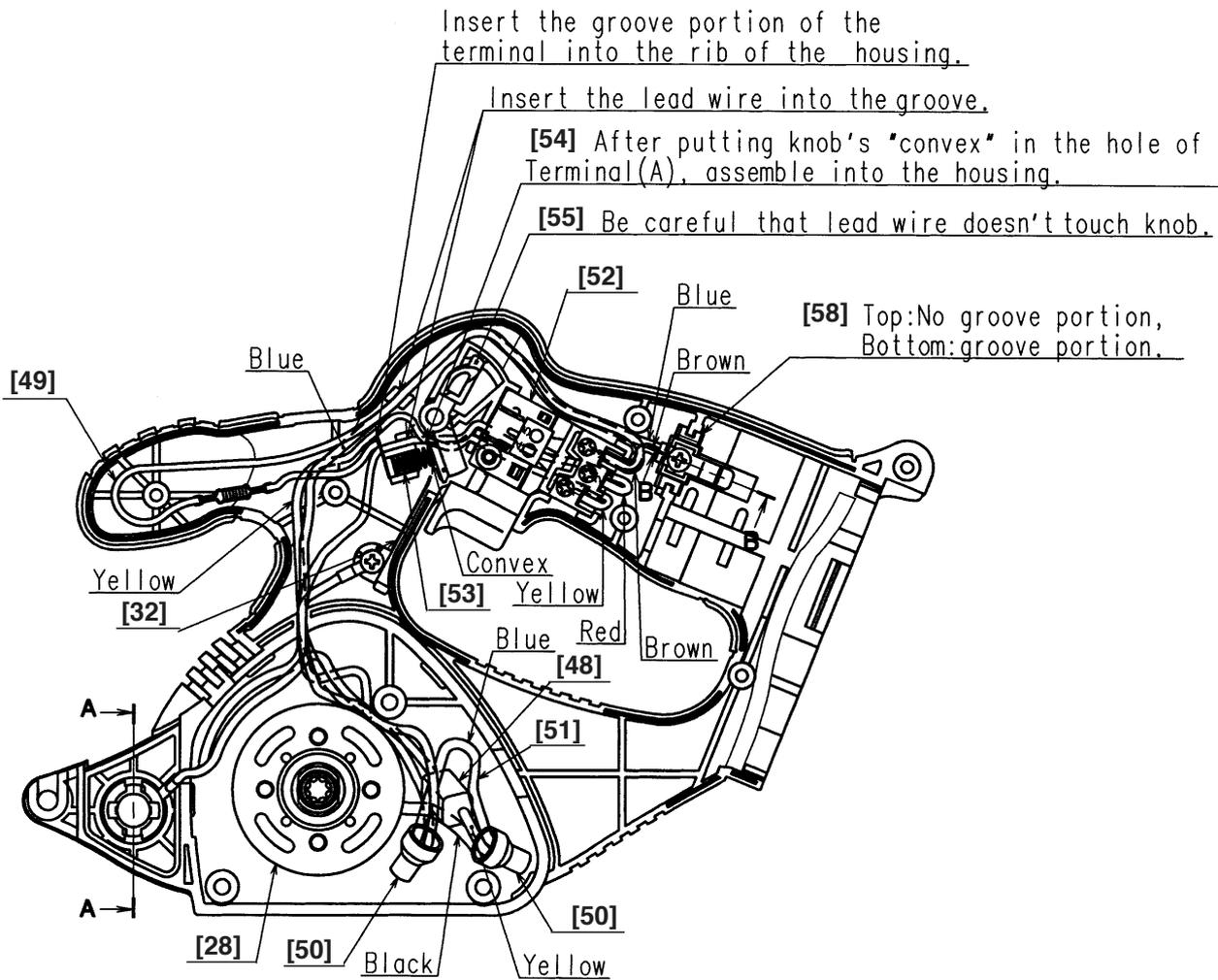


Fig. 5

(c) Connect the internal wires as illustrated in Fig. 8. Mount the Knob [55], Terminal (A) [54] and Spring (F) [53] without fail.



(Mounting direction of Terminals [57] [59])

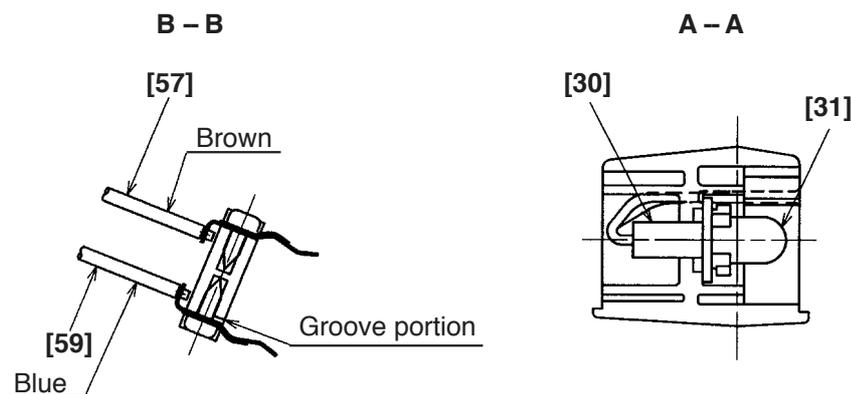


Fig. 8

(2) Reassembly of the Gear [13]

- (a) Apply grease (Shell Alvania RL3) to the pinion and the meshing parts of the Gear [13], and also to the inside of the metal of Inner Cover (B) [23] (5 grams in total).
- (b) When securing Inner Cover (A) Ass'y [27] to Inner Cover (B) [23] with the Nylock Bolt (W/Flange) M4 x 12 [22], be careful not to interfere with the rotation of the pinion.

(5) Tightening torque of each screw is given below.

Machine screw of the Switch (1P Screw Type) W/O Lock [52] ...	0.4 ± 0.1 N·m (4 ± 1 kgf-cm, 3.5 ± 0.9 in-lbs.)
Special Bolt M5 [26]	1.0 ± 0.2 N·m (10 ± 2 kgf-cm, 8.7 ± 1.7 in-lbs.)
Tapping Screw (W/Flange) D4 x 16 (Black) [46]	2.0 ± 0.5 N·m (20 ± 5 kgf-cm, 17.4 ± 4.3 in-lbs.)
Tapping Screw D4 x 10 [29]	2.0 ± 0.5 N·m (20 ± 5 kgf-cm, 17.4 ± 4.3 in-lbs.)
Seal Lock Flat Hd. Screw M5 x 12 [11]	3.4 ± 0.7 N·m (35 ± 7 kgf-cm, 30.4 ± 6.1 in-lbs.)
Seal Lock Flat Hd. Screw M3 x 12 [6]	0.8 ± 0.2 N·m (8 ± 2 kgf-cm, 6.9 ± 1.7 in-lbs.)
Nylock Bolt (W/Flange) M4 x 12 [22]	2.5 ± 0.5 N·m (25 ± 5 kgf-cm, 22 ± 4.3 in-lbs.)

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

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

10. STANDARD REPAIR TIME (UNIT) SCHEDULES

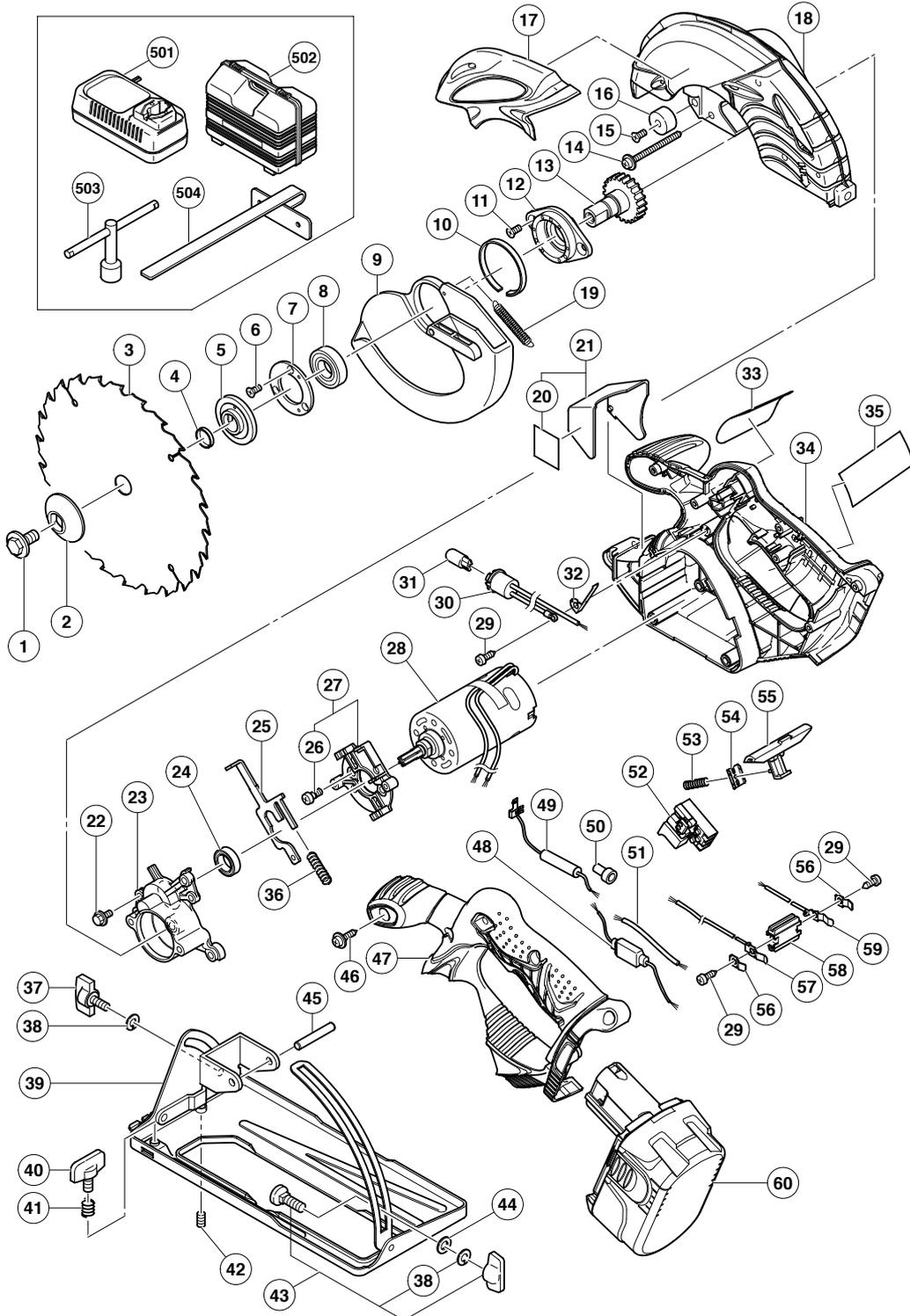
MODEL	Variable		10	20	30	40	50	60 min.
	Fixed							
C 18DMR		Work Flow						
				Switch Socket Handle Cover				
		Lamp (12V 5W)						
				Inner Cover (A) Ass'y Ball Bearing (609VV) Inner Cover (B) Lock Lever	Housing Motor (B)			
	General Assembly	Protective Cover Return Spring		Saw Cover Gear Bearing Holder Ball Bearing (6002VV)				
	Base Ass'y							

ELECTRIC TOOL PARTS LIST

■ CORDLESS CIRCULAR SAW Model C 18DMR

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(E1)



PARTS

C 18DMR

ITEM NO.	CODE NO.	DESCRIPTION	NO. USED	REMARKS
1	998-335	BOLT (LEFT HAND) W/WASHER M7X17.5	1	
2	324-563	WASHER (B2)	1	
* 3	324-295	TCT SAW BLADE 165MM-D30 HOLE-NT24	1	
* 3	324-294	TCT SAW BLADE 165MM-D20 HOLE-NT24	1	FOR NZL, AUS, CHN
* 3	324-293	TCT SAW BLADE 165MM-D15.9 HOLE-NT24	1	FOR USA, CAN
* 3	324-615	TCT SAW BLADE 165MM-D15.9 HOLE-NT24	1	FOR FRA
* 4	990-100	RING D15.9/I.D14.5	1	FOR FRA, USA, CAN
* 5	317-465	WASHER (A2)	1	
* 5	324-569	WASHER (A3)	1	FOR GBR, FRG, FRA, NOR, SWE, DEN
* 5	317-466	WASHER (A1)	1	FOR FRA, USA, CAN
6	308-773	SEAL LOCK FLAT HD. SCREW M3X12	3	
7	308-362	BEARING COVER	1	
8	600-2VV	BALL BEARING 6002VVCMP2L	1	
9	324-567	PROTECTIVE COVER	1	
10	318-192	BUSHING	1	
11	305-568	SEAL LOCK FLAT HD. SCREW M5X12	2	
12	308-361	BEARING HOLDER	1	
13	324-564	GEAR	1	
14	317-449	TAPPING SCREW (W/FLANGE) D5X50	3	
15	949-793	FLAT HD. SCREW M5X20 (10 PCS.)	1	
16	310-842	CUSHION	1	
17	324-560	HITACHI PLATE	1	
18	324-566	SAW COVER	1	
19	317-203	RETURN SPRING	1	
20		LABEL (LC)	1	
21	324-577	LIGHT COVER ASS'Y	1	INCLUD. 20
22	317-196	NYLOCK BOLT (W/FLANGE) M4X12	2	
23	324-565	INNER COVER (B)	1	
24	609-VVM	BALL BEARING 609VVC2PS2L	1	
25	324-568	LOCK LEVER	1	
26	317-914	SPECIAL BOLT M5	2	
27	324-578	INNER COVER (A) ASS'Y	1	INCLUD. 26
28	324-572	MOTOR (B)	1	
29	958-715	TAPPING SCREW D4X10	3	
30	319-820	SOCKET	1	
31	315-229	LAMP (12V 5W)	1	
32	319-823	TERMINAL (D)	1	
33		NAME PLATE	1	
34	324-575	HOUSING	1	
* 35		CAUTION PLATE	1	FOR USA, CAN
36	961-803	SPRING	1	
37	308-364	WING BOLT (A) M6X15	1	
38	948-167	SUPER LOCK WASHER M6	2	
39	324-561	BASE ASS'Y	1	INCLUD. 37, 38, 40-42
40	324-562	KNOB BOLT	1	
41	947-859	LOCK SPRING	1	
42	302-469	SLOTTED HD. SET SCREW (SEAL LOCK) M6X6	1	
43	314-620	BOLT ASS'Y (SQUARE) M6X22	1	INCLUD. 38
44	949-425	WASHER M6 (10 PCS.)	1	
45	949-750	ROLL PIN D6X50 (10 PCS.)	1	
46	305-812	TAPPING SCREW (W/FLANGE) D4X16 (BLACK)	6	

