

# TECHNICAL INFORMATION

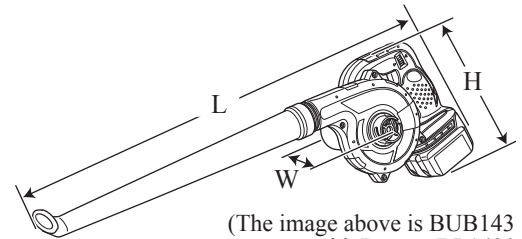


PRODUCT

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**Models No.** ▶ BUB143/ BUB183

**Description** ▶ Cordless Blower 14.4V/ 18V



(The image above is BUB143 with Battery BL1430.)

## CONCEPT AND MAIN APPLICATIONS

Models BUB143 and BUB183 have been developed based on Models BUB142 and BUB182 and feature a leaf blower nozzle, which is similar to the one used for Model BUB360.

These products are powered by the following Li-ion batteries:

BUB143 by BL1415/ BL1430 (14.4V-1.3/ 3.0Ah)

BUB183 by BL1815/ BL1830 (18V-1.3\*3/ 3.0Ah)

\*3 1.5Ah for some countries

| Dimensions: mm (") |                                   |                                   |
|--------------------|-----------------------------------|-----------------------------------|
| Model No.          | BUB143                            | BUB183                            |
| Length (L)         | 827 (32-1/2)*1/<br>829 (32-5/8)*2 | 843 (33-1/4)*1/<br>845 (33-1/4)*2 |
| Width (W)          | 155 (6-1/8)                       |                                   |
| Height (H)         | 197 (7-3/4)*1/ 212 (8-3/8)*2      |                                   |

\*1 with 1.3Ah Li-ion battery of BL1415 or BL1815

\*2 with 3.0Ah Li-ion battery of BL1430 or BL1830

## ► Specification

| Model No.   |                               | BUB143                                 | BUB183                |
|---|-------------------------------|--|-----------------------|
| Battery   | Voltage: V                    | 14.4                                   | 18                    |
|   | Capacity: Ah                  | 1.3, 3.0                               | 1.3 (1.5*4), 3.0      |
|   | Energy capacity: Ah           | 19, 44                                 | 24 (27*4), 54         |
|   | Cell                          | Li-ion                                 |                       |
|   | Charging time (approx.): min. | 15, 22 with DC18RC                     |                       |
| No load speed: min. <sup>-1</sup> = rpm   |                               | 0 - 18,000                             |                       |
| Max air volume*5: m <sup>3</sup> /min. (ft <sup>3</sup> /min.)  |                               | 2.6 (91)                               |                       |
| Max air velocity*6: m/sec.  |                               | 50                                     | 52                    |
| Air volume setting dial   |                               | Yes<br>(3 settings: High/ Medium/ Low) |                       |
| Continuous run time (approx.) on a single full battery charge in each air volume setting; High/ Medium/ Low: min. |                               | 4/ 10/ 30, 9/ 20/ 60                   | 5/ 12/ 35, 11/ 25/ 75 |
| Vacuum function   |                               | No                                     |                       |
| Variable speed control by trigger   |                               | Yes                                    |                       |
| Weight according to EPTA-Procedure 01/2003*6: kg (lbs)  |                               | 1.7 (3.7), 1.8 (4.0)                   | 1.7 (3.8), 1.9 (4.3)  |

\*4 for some countries only

\*5 without Leaf blower nozzle

\*6 with Leaf blower nozzle

## ► Standard equipment

Leaf blower nozzle ..... 1

**Note:** The standard equipment for the tool shown above may vary by country.

## ► Optional accessories

Leaf blower nozzle

Nozzle

Long nozzle

Li-ion battery BL1415 (for BUB143)

Li-ion battery BL1430 (for BUB143)

Li-ion battery BL1815 (for BUB183)

Li-ion battery BL1830 (for BUB183)

Fast charger DC18RA

(for USA, Canada, Guam, Panama, Colombia, Mexico)

Fast charger DC18RC

(for all countries except the countries above)

Charger DC18SD

Charger DC24SC

Automotive charger DC18SE

## ► Repair

### [1] NECESSARY REPAIRING TOOLS

| Code No. | Description              | Use for  |
|----------|--------------------------|--|
| 1R309    | Spring pin extractor 5.0 | Locking Fan AP-10302 when removing M5x8 Pan head screw   |
| 1R263    | Bearing extractor        | (Use this tool if Fan AP-10302 cannot be removed by the method of described in “[3]-1. Fan housing set and Fan AP-10302” |

### [2] LUBRICATIONS

No need to lubricate.

### [3] DISASSEMBLY/ASSEMBLY

#### [3]-1. Fan housing set and Fan AP-10302

##### DISASSEMBLING

- (1) Remove nozzle assembly.
- (2) Remove Fan housing set and Fan AP-10302. (Figs. 1 and 2)

Fig. 1

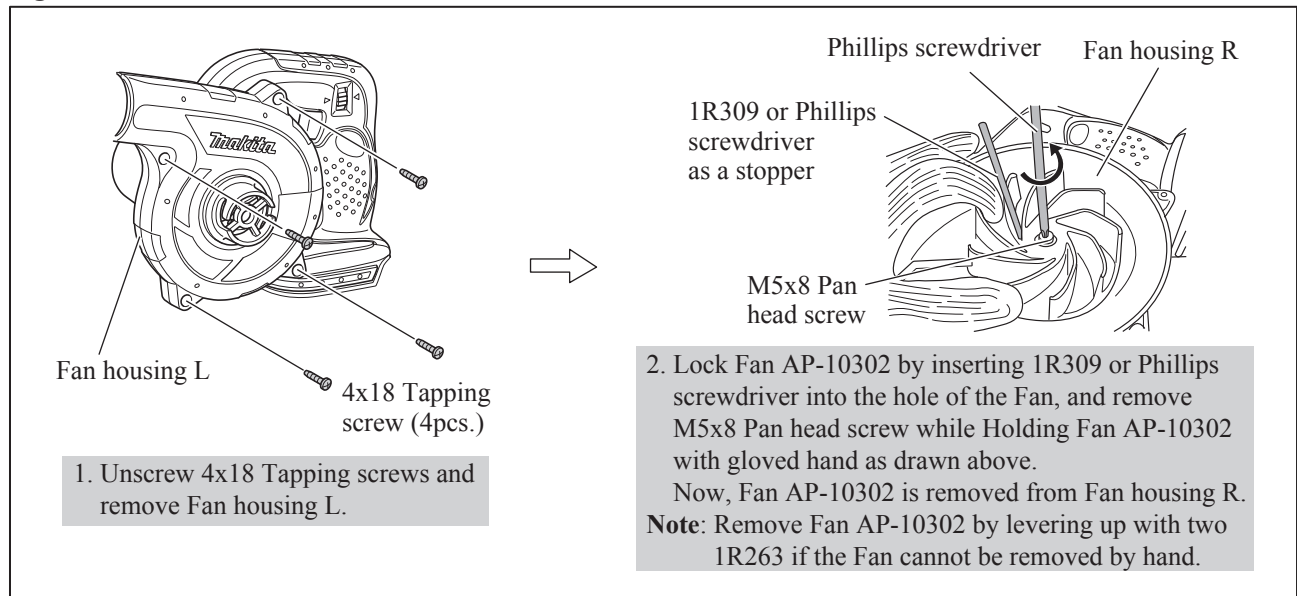
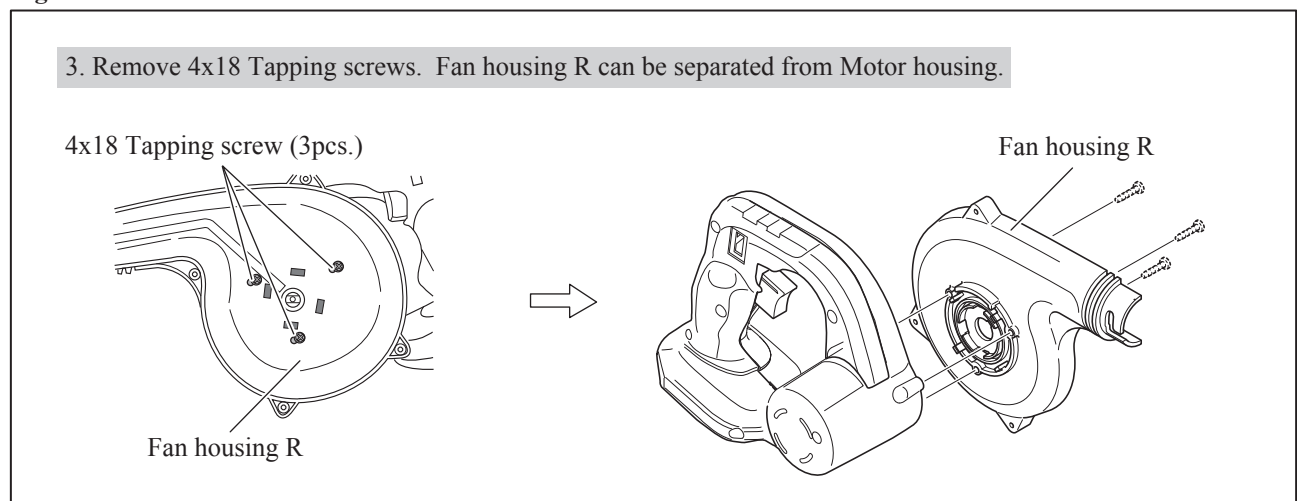


Fig. 2



##### ASSEMBLING

Assemble Fan housing set and Fan AP-10302 by reversing the disassembly procedure. (Refer to Figs. 2 and 1)

## ► Repair

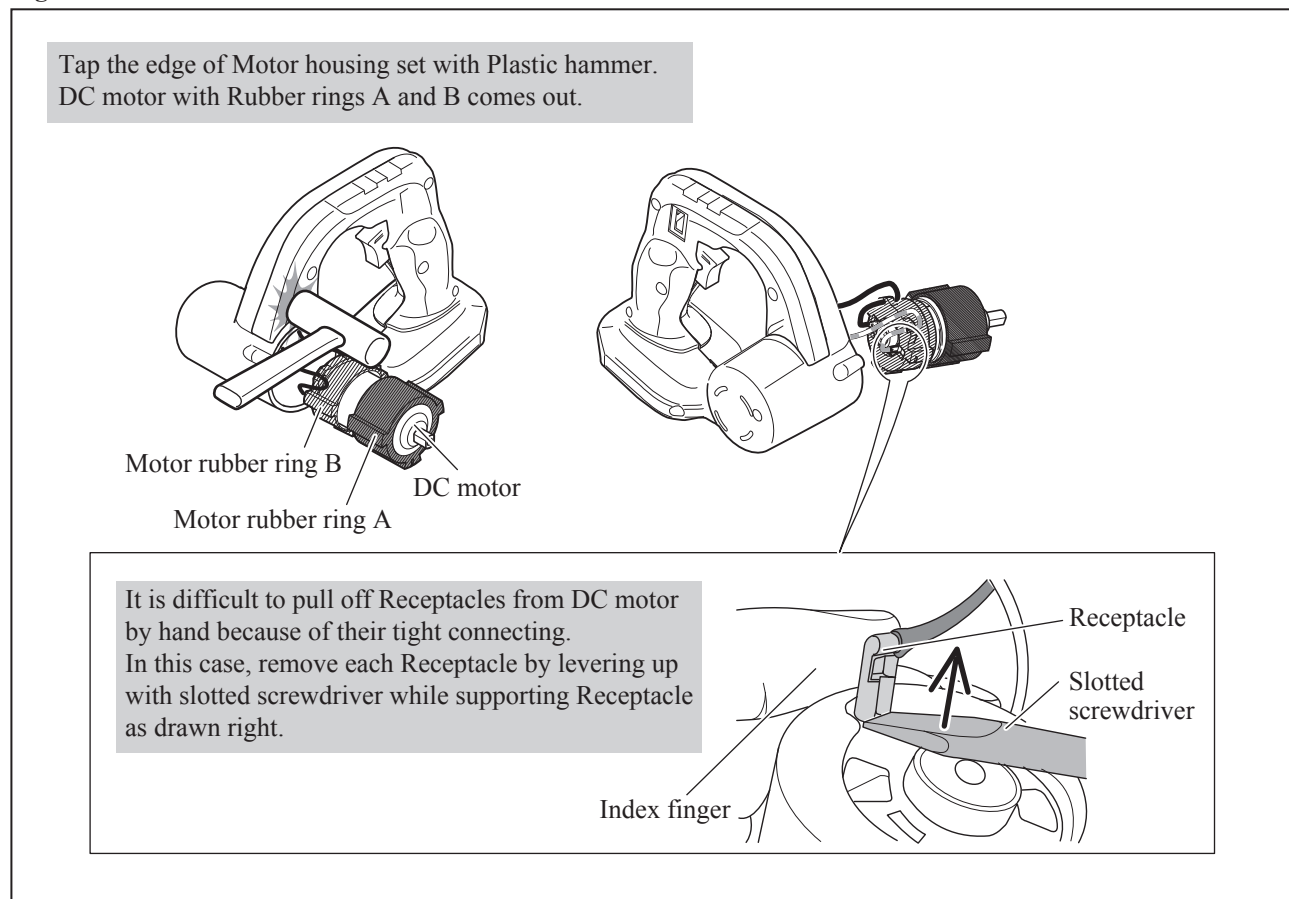
### [3] DISASSEMBLY/ASSEMBLY

#### [3]-2. DC Motor

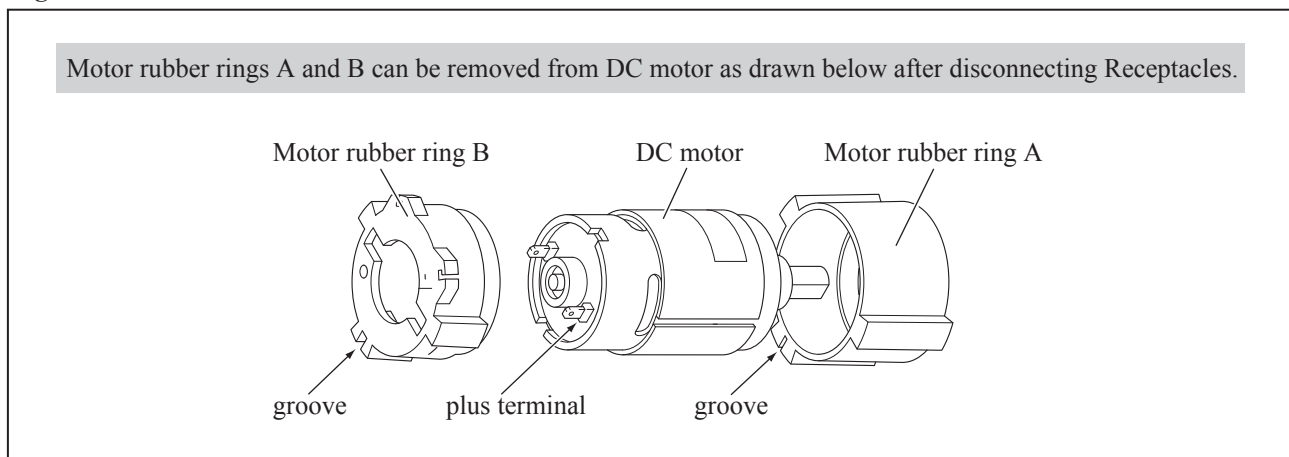
##### DISASSEMBLING

- (1) Remove Fan housing L, Fan AP-10302 and Fan housing R. (Refer to **Figs. 1 and 2**)
- (2) DC motor can be disassembled from Motor housing set. (**Figs. 3 and 4**)

**Fig. 3**



**Fig. 4**



## ► Repair

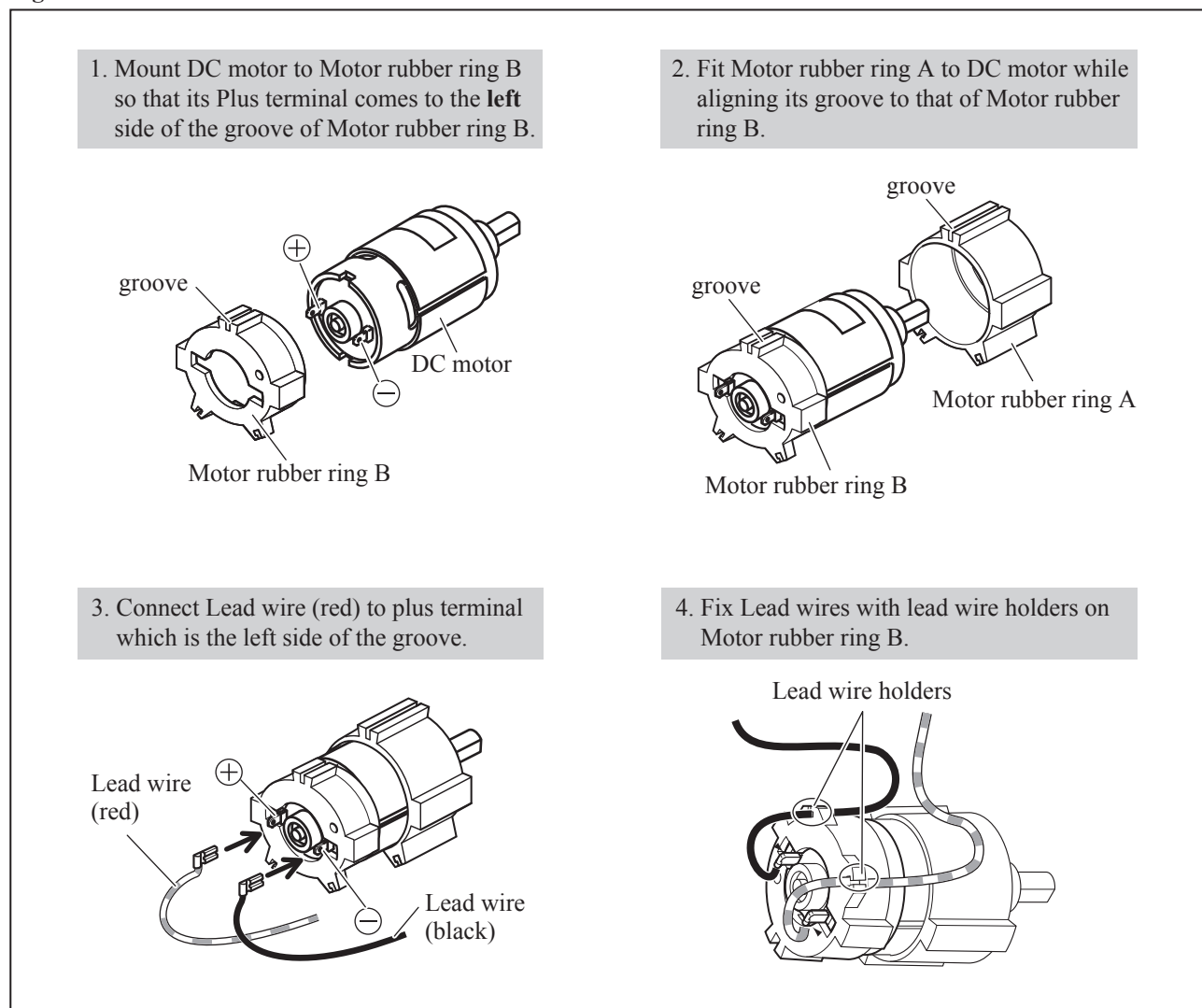
### [3] DISASSEMBLY/ASSEMBLY

#### [3]-2. DC Motor

##### ASSEMBLING

Motor rubber rings A and B have to be assembled as drawn in **Fig. 5**.

**Fig. 5**

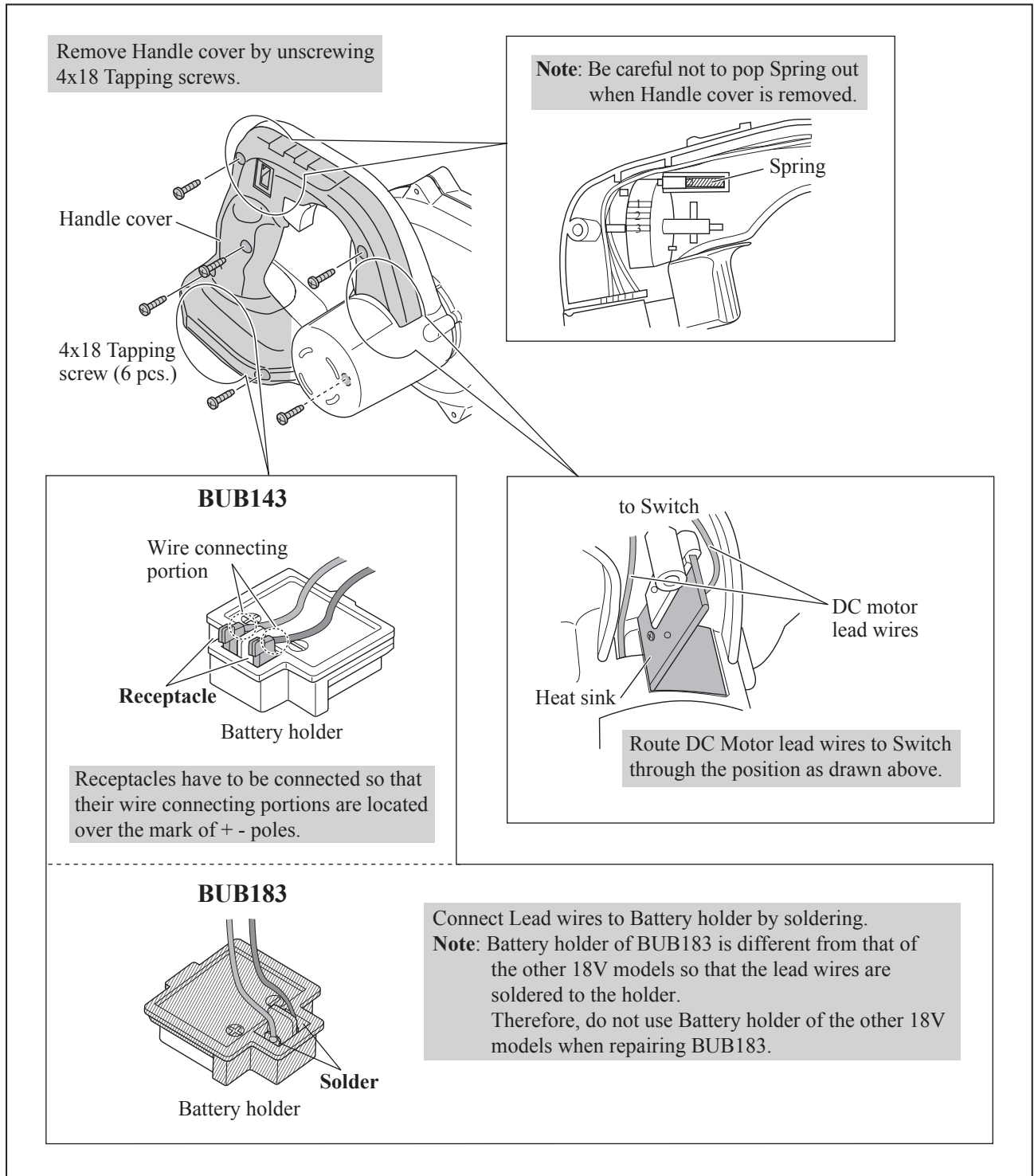


► **Repair**

**[3] DISASSEMBLY/ASSEMBLY**  
**[3]-3. Electrical Parts in Handle Section**

The electrical parts in Handle section can be disassembled / assembled as drawn in **Fig. 6**.

**Fig. 6**



► **Circuit Diagram**

**Fig. D-1**

