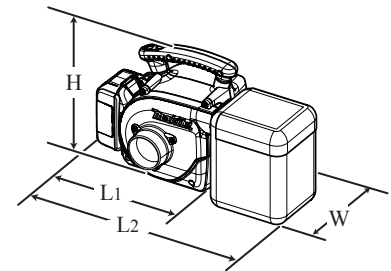


TECHNICAL INFORMATION

Model No. ▶ DVC350

Description ▶ 18V Cordless Vacuum Cleaner



CONCEPT AND MAIN APPLICATIONS

Model DVC350 is a Cordless vacuum cleaner powered by 18V Li-ion battery of BL1815 (1.3Ah), BL1815N (1.5Ah), BL1820 (2.0Ah), BL1830 (3.0Ah), BL1840 (4.0Ah) and BL1850 (5.0Ah).

Its main features are exactly the same as model BVC350 as follows:

- Cordless design for high portability
- Large 3L dust bag capacity
- High/Low air volume settings to suit your application

Note: Battery and charger are not supplied with this model.

Dimensions*1: mm (")	
Length (L1*2)	273 (10-3/4)
Length (L2*3)	403 (15-7/8)
Width (W)	195 (7-5/8)
Height (H)	226 (8-7/8)

*1 With Battery BL1830, BL1840 or BL1850

*2 L1: without Dust bag assembly

*3 L2: with Dust bag assembly

► Specification

Specification		Model	DVC350
Battery	Cell		Li-ion
	Voltage: V		18
	Capacity: Ah		1.3, 1.5, 2.0, 3.0, 4.0, 5.0
	Energy capacity: Wh		24, 27, 36, 54, 72, 90
	Charging time (approx.): min.		15, 15, 24, 22, 36, 45 with DC18RC
Max. air volume: m ³ /min.			3.4
Max. air velocity: m/sec			94
Max. sealed suction: kPa (mmH ₂ O)			5.5 (560)
Air volume setting			Yes (2 settings: High/ Low)
Suction power: W	High		50
	Low		15
Continuous run time (approx.) on a single full battery charge: min.	High		13 (with Battery BL1830)
	Low		26 (with Battery BL1830)
Dust bag capacity: L			3.0
Soft start			Yes
Weight according to EPTA-Procedure 01/2003*4: kg (lbs)			2.2 (4.8)

*4 With Battery BL1815, BL1815N or BL1820; without Nozzle assembly, Dust bag assembly, Hose complete

► Standard equipment

- Nozzle assembly
- Dust bag assembly (cloth)
- Hose complete ø28-2.5
- Front cuff 38
- Shoulder belt

Note: The standard equipment may vary by country or model variation.

► Optional accessories

- | | |
|------------------------|------------------------------------|
| Li-ion battery BL1815 | Fast charger DC18RC |
| Li-ion battery BL1815N | Charger DC24SC |
| Li-ion battery BL1820 | Charger DC18SD |
| Li-ion battery BL1830 | Quad port charger DC18SF |
| Li-ion battery BL1840 | Automotive charger DC18SE |
| Li-ion battery BL1850 | Two port multi fast charger DC18RD |

► **Repair**

CAUTION: Repair the machine in accordance with “Instruction manual” or “Safety instructions”.

[1] NECESSARY REPAIRING TOOLS

Code No.	Description	Use for
782209-3	Socket wrench 9	Removing/ tightening M5x10 Hex flange head bolt

[2] DISASSEMBLY/ASSEMBLY

[2]-1. Fan 86

DISASSEMBLING

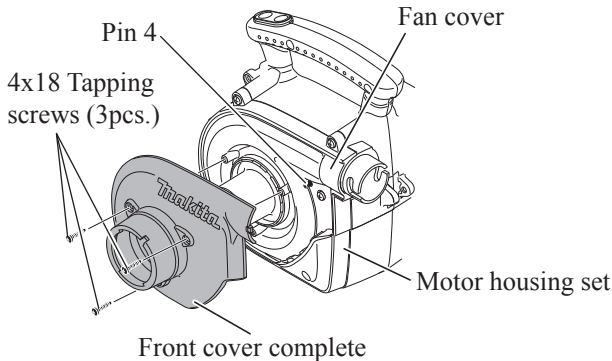
Remove Fan 86 as illustrated in **Fig. 1**.

- Note:** 1) Separate Front cover complete from Fan cover first, because there is a 4x75 Tapping screw to fasten Fan cover under Front cover complete.
 2) Blow away the remaining dust in Motor housing set when disassembling it.

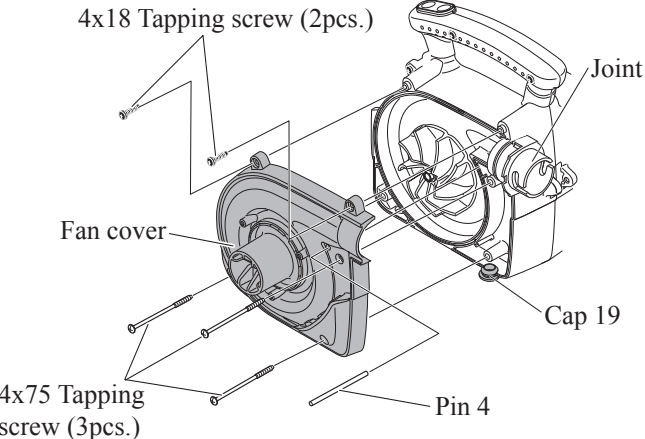
Fig. 1

1. Remove Front cover complete and 4x18 Tapping screws. Pin 4 comes into sight as illustrated below.

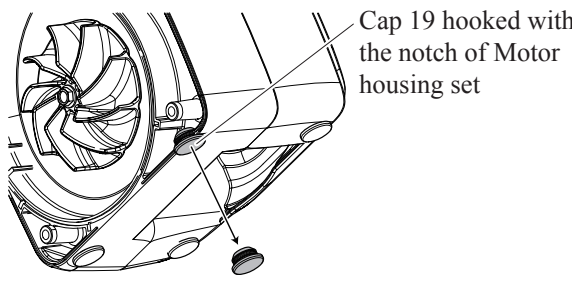
Note: Do not turn over the machine without removing Pin 4 from Motor housing set.



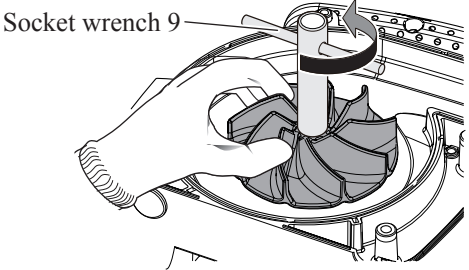
2. Remove Pin 4, two 4x18 Tapping screws and three 4x75 Tapping screws, and then separate Fan cover from Motor housing set. Fan 86 comes into sight.



3. Cap 19 illustrated below is easy to fall off Motor housing set. Therefore, remove it in advance.

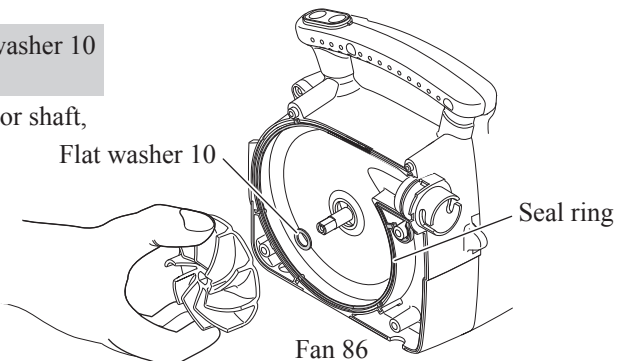


4. While holding Fan 86 by gloved hand, remove Max Hex flange head bolt by turning Socket wrench 9 counterclockwise.



5. Fan 86 can be removed with Flat washer 10 attached on the reverse.

Note: Flat washer 10 may fall off Motor shaft, or may be left on. Do not miss it.



► **Repair**

[3] DISASSEMBLY/ASSEMBLY

[3]-1. Fan 86 (cont.)

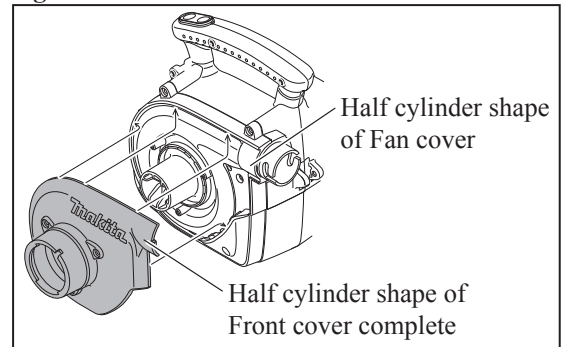
ASSEMBLING

Take the disassembling the step in reverse.

Note: • Be sure to put Flat washer 10 in place.

- Pass Pin 4 through Fan cover and Motor housing set before assembling Front cover complete to Fan cover.
- Half cylinder shape of Front cover complete must not rise from that of Fan cover after Fan cover is secured with three 4x18 Tapping screws. Therefore, tighten their screws while pushing down the shapes. (Figs. 1 and 2)
- Cap 19 mentioned in Fig. 1 must be inserted into Housing set after Fan cover is assembled to Front cover complete.

Fig. 2



[3]-2. DC Motor, Controller , Switch unit

DISASSEMBLING

- (1) Separate Fan cover from Motor housing set then remove Fan 86 as illustrated in Fig. 1.
- (2) Electrical parts can be replaced as illustrated in Fig. 3.
- (3) Remove DC motor as illustrated in Fig. 4.
- (4) Remove M5x10 Hex flange head bolt and Fan 86 again, and then pull off Motor rubber rings A and B from DC motor. (Fig. 5)

Fig. 3

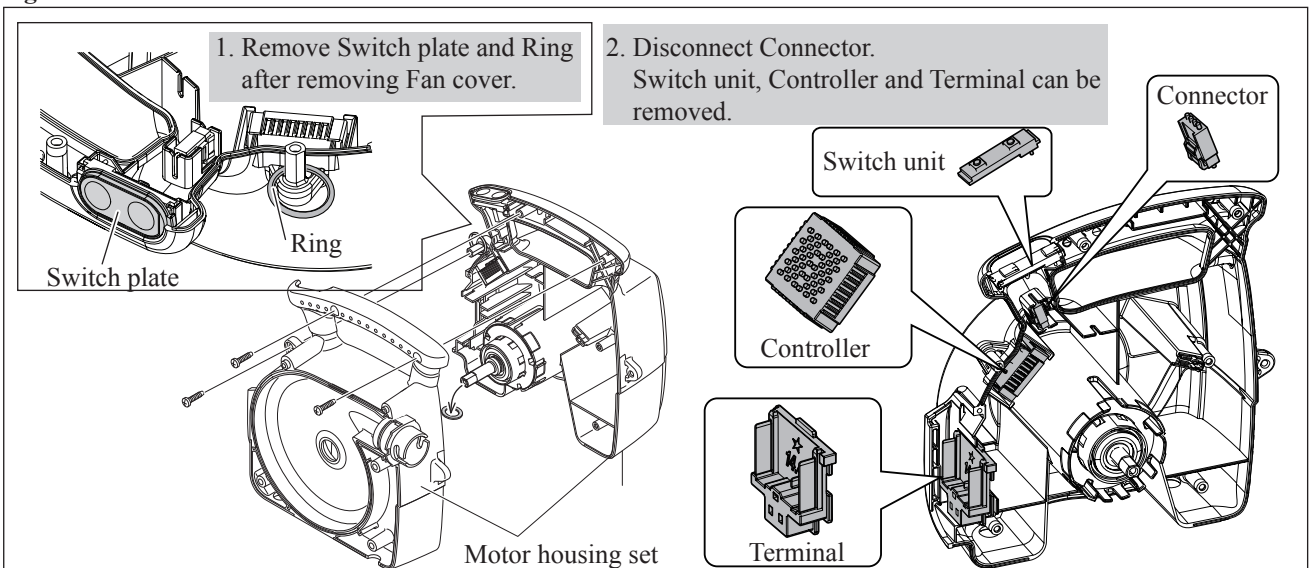


Fig. 4

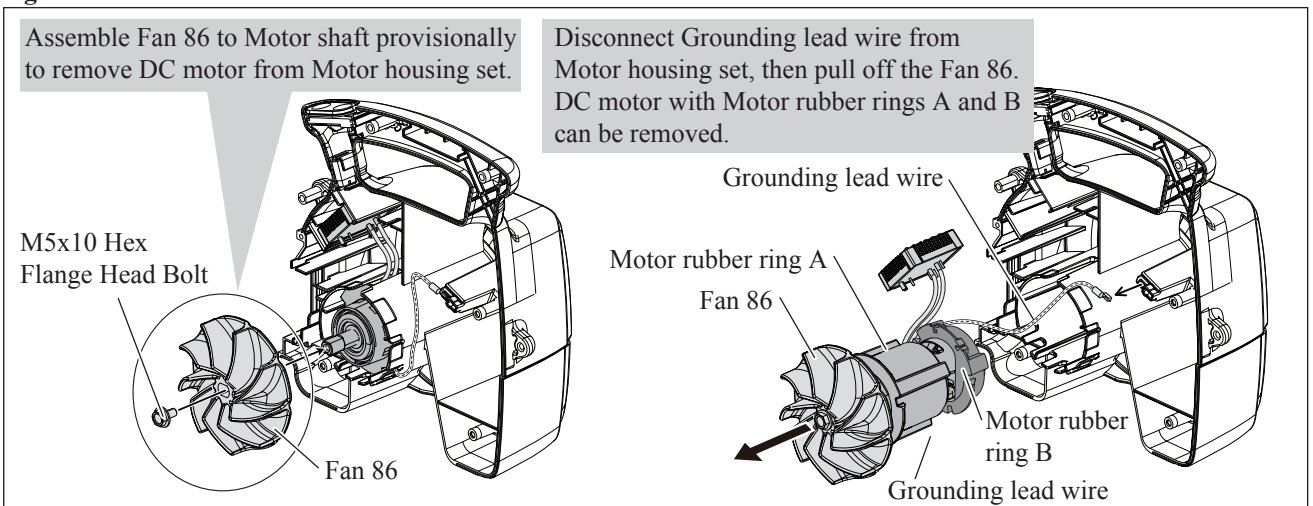
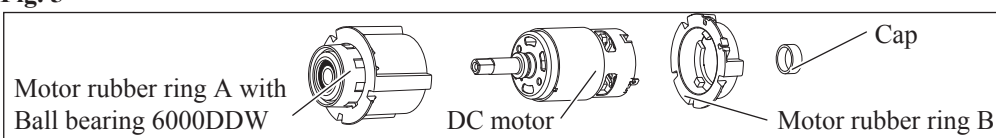


Fig. 5



► Repair

[3] DISASSEMBLY/ASSEMBLY

[3]-2. DC motor, Controller, Switch unit (cont.)

ASSEMBLING

(1) After setting the new electrical parts to Motor housing set, put Switch plate and Ring to Motor housing set.

Refer to the **top left** illustration in **Fig. 3**.

(2) Assemble Motor rubber ring B to DC Motor as illustrated in **Fig. 6R**.

Fig. 6R

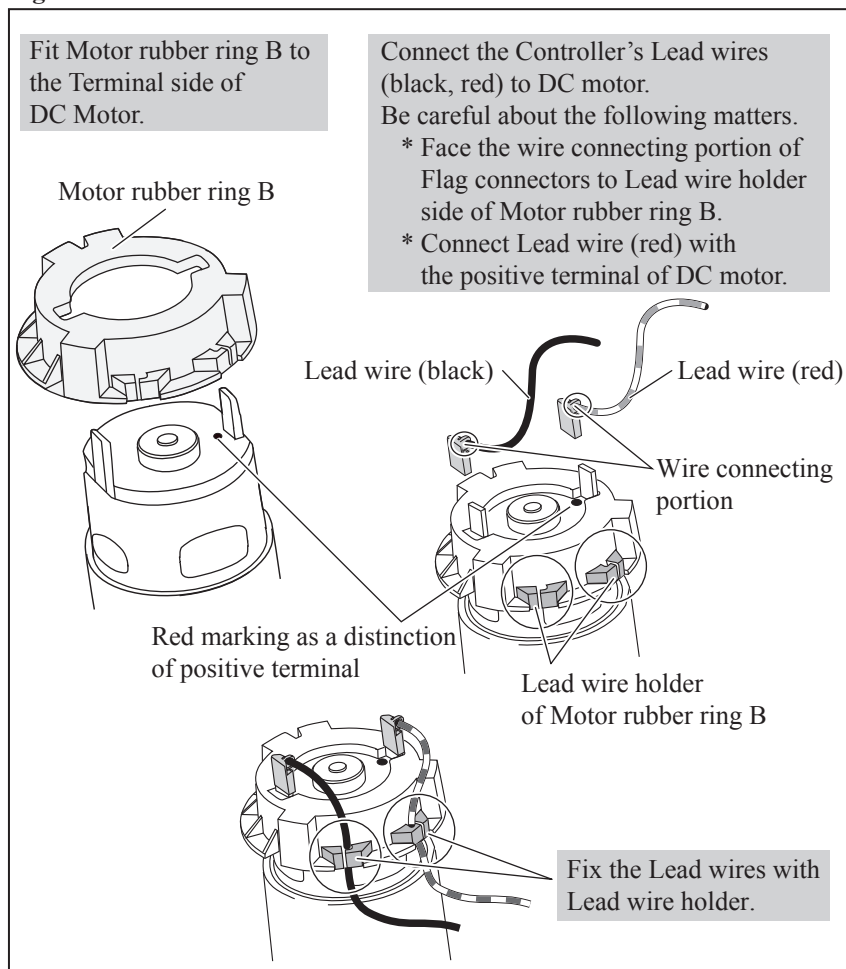
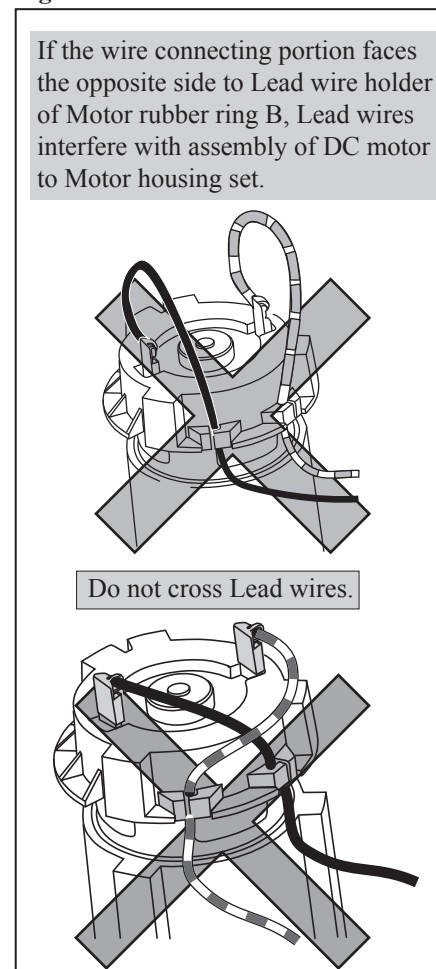
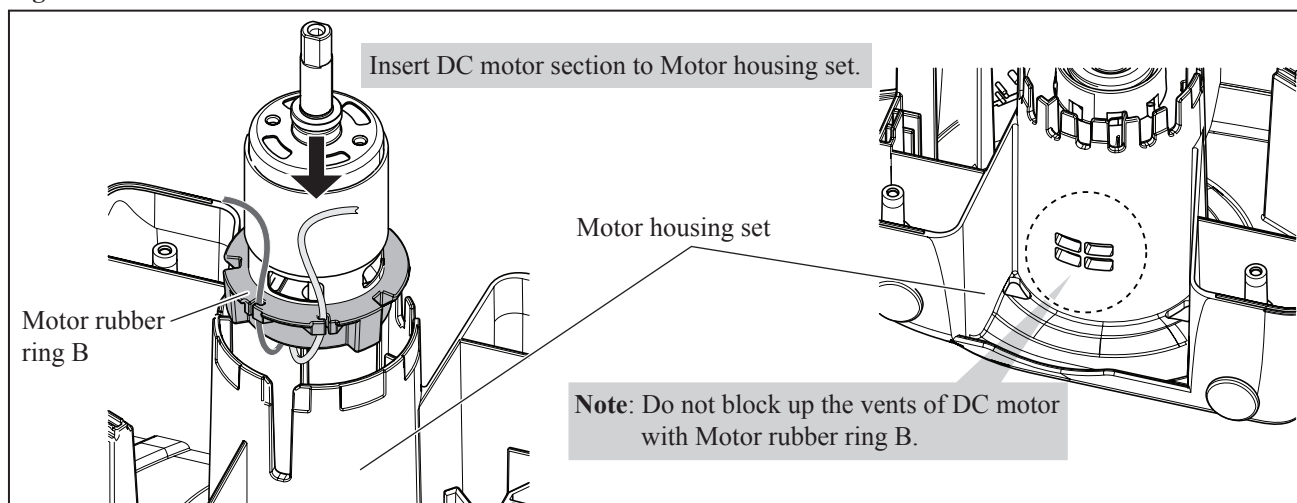


Fig. 6F



(3) Put Cap on the protrusion of DC motor. (**Fig. 5**) Insert DC Motor into Motor housing set as illustrated in **Fig. 7**.

Fig. 7



► **Repair**

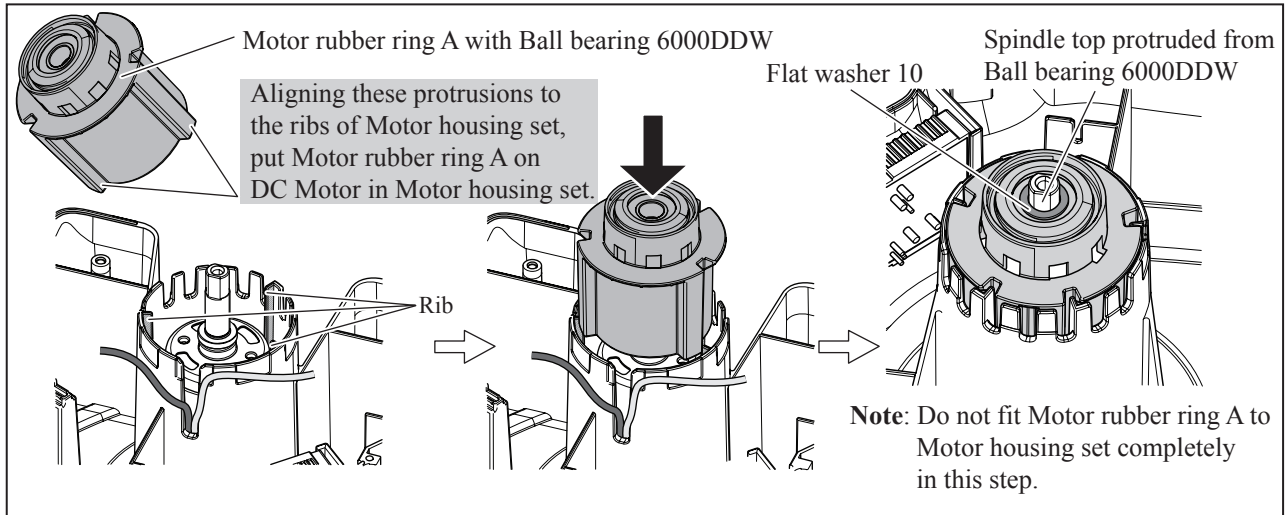
[3] DISASSEMBLY/ASSEMBLY

[3]-2. DC motor, Controller, Switch unit (cont.)

ASSEMBLING

(4) Insert Motor rubber ring A between Motor housing set and DC motor, then pass Flat washer 10 through Spindle. (Fig. 8)
Note: Push down Motor rubber ring A so that Spindle top can protrude from Ball bearing 6000DDW as illustrated in Fig. 8.

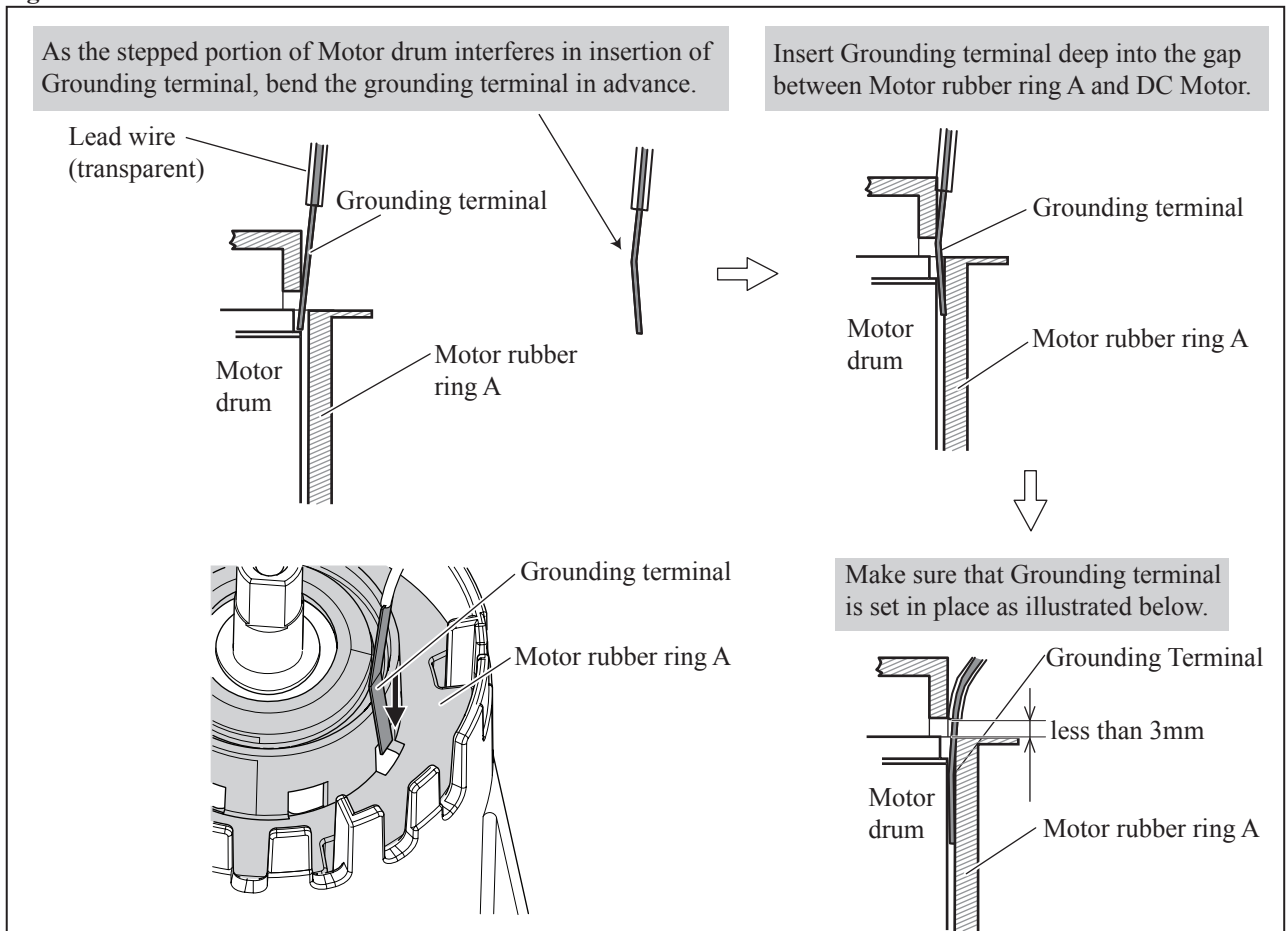
Fig. 8



(5) Set Grounding terminal in place. Refer to Fig. 9.

Note: Regarding the opposite Grounding terminal of Lead wire (transparent), Refer to Fig. D-4.

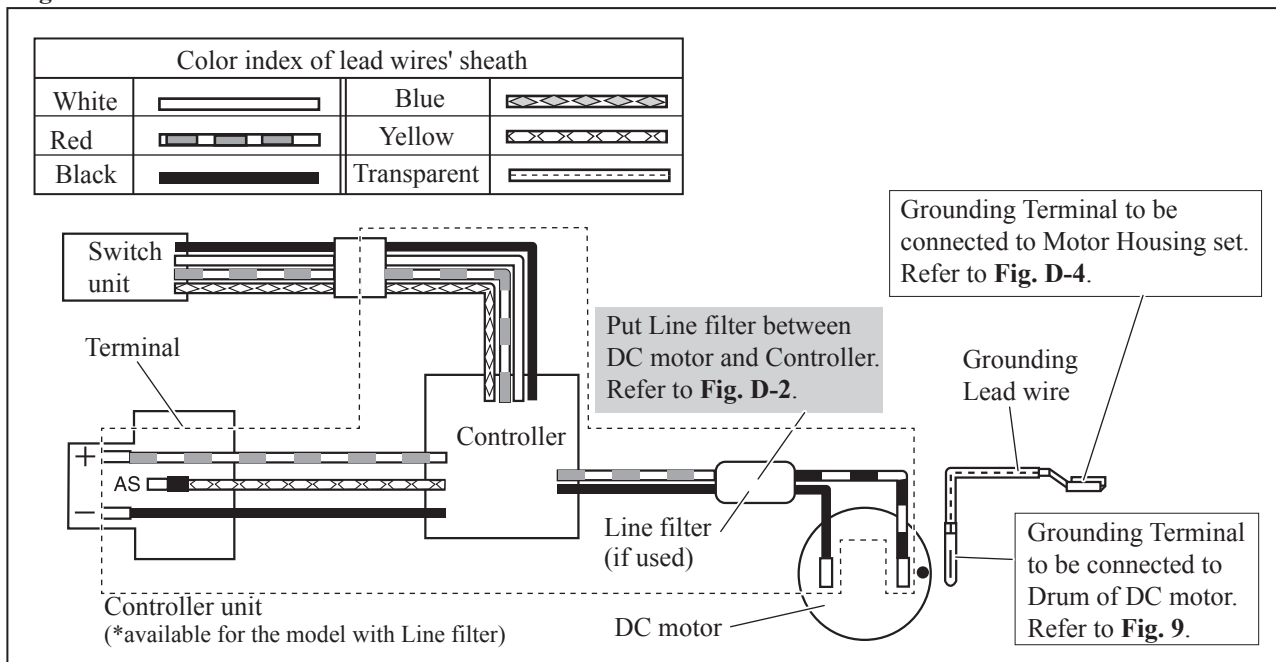
Fig. 9



(6) Take the disassembling step in reverse to reassemble the removed parts.
 Motor rubber ring A is set in place by assembling Motor housing set.

▶ Circuit diagram

Fig. D-1



▶ Wiring diagram

Fig. D-2

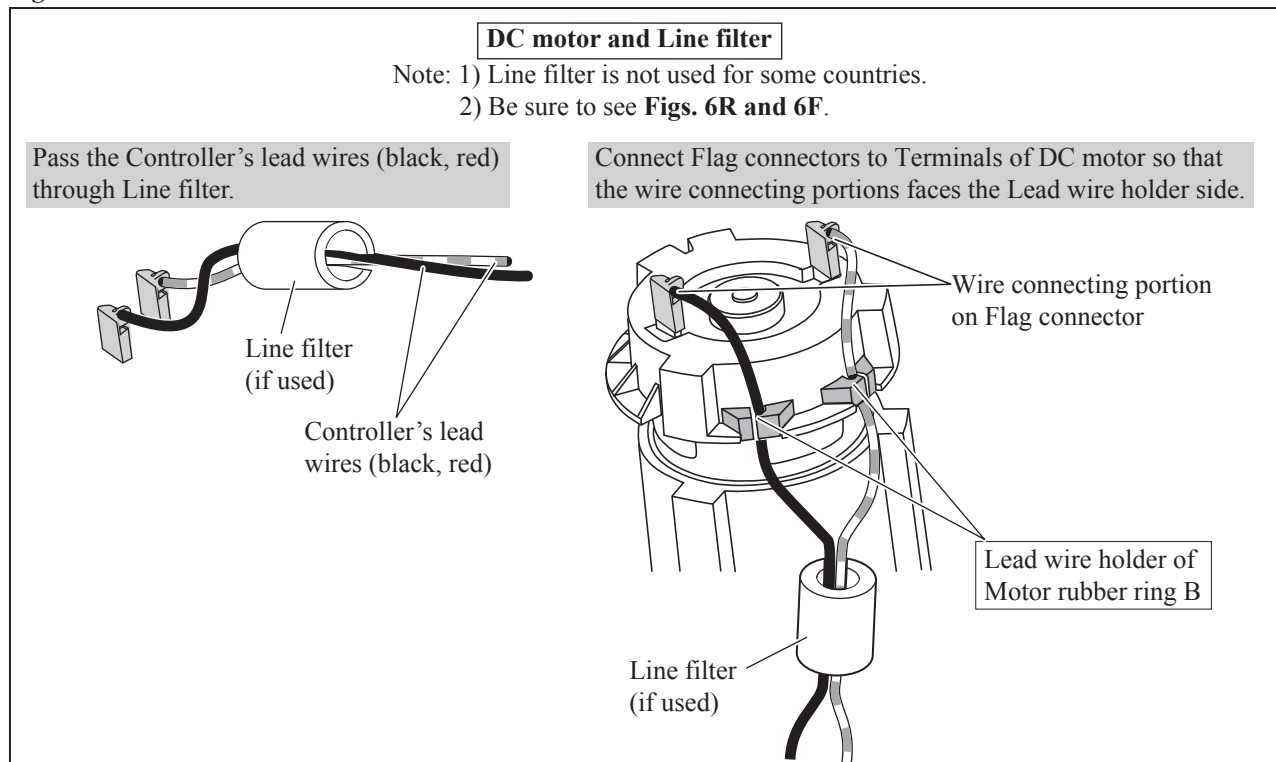
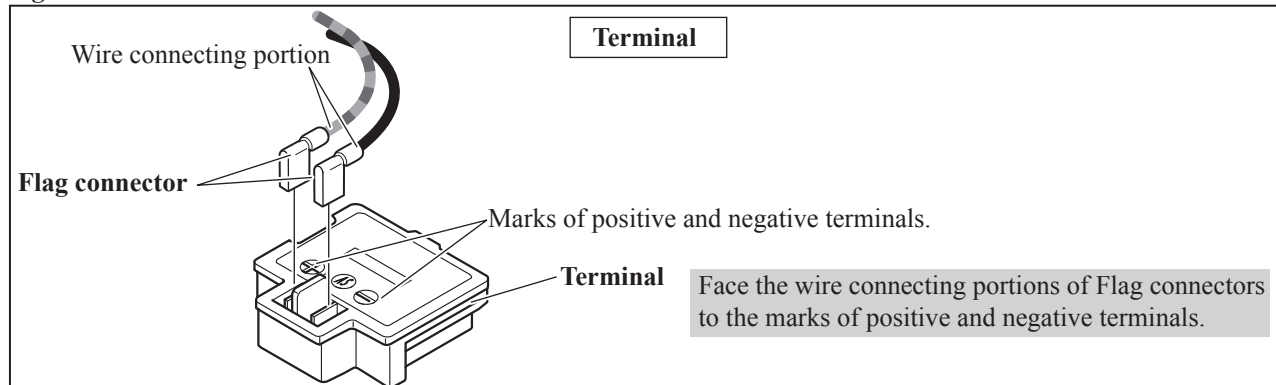


Fig. D-3



► **Wiring diagram**

Fig. D-4

