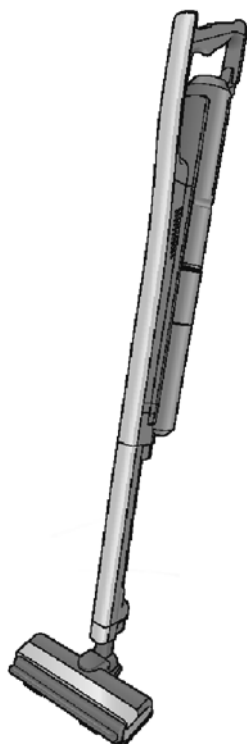


# Service Manual

## Rechargeable Vacuum Cleaner



Model No. **MC-BJ870-S149**

Model No. **MC-BJ870-S447**

Model No. **MC-BJ870-T447**

Model No. **MC-BJ870-SB49**

Model No. **MC-BJ870-TB49**

Model No. **MC-BJ870-SV47**

Model No. **MC-BJ870-TV47**

Model No. **MC-BJ870-SZ47**

Product Color -S: Silver black

-T: Bronze brown

Destination Iran: 149

Hong Kong: 447

Thailand: B49


Malaysia: V47

Saudi Arabia: Z47

### WARNING

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.

### IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

•The specifications and the parts of this product are subject to change without notice for performance improvement or other purposes.

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# 1 Safety Precautions

To prevent causing accidents during maintenance and ensure product safety after maintenance, the items that must be abided by will be described below:

- The following charts indicate the degree of damage caused by wrong operation.

 <b>Warning</b>	Indicates risk of serious injury or death.
 <b>Caution</b>	Indicates risk of injury or property damage.

- The symbols are classified and explained as follows.

	This symbol indicates prohibition.
	This symbol indicates requirement that must be followed.

## Warning

Unplug the AC adapter at the time of repair.



To avoid electric shock or injury.

- Unplug the AC adapter before disassembly, assembly and replacing components.

Unplug the AC adapter

Remove the Lithium-ion battery at the time of repair.




To avoid electric shock or injury.

- Remove the Lithium-ion battery before disassembly, assembly and replacing components.

Be sure to use the specified components



To avoid smoke, fire or failure.

- For the components with  mentioned in the components list, be sure to use the specified ones.

Do not touch the rotating part before it stops rotating completely.



To avoid injury caused by entanglement of physical parts such as hands (even slow rotation may cause entanglement and result in injury).

Touching is forbidden.

Do not damage the AC adapter cord.



To avoid fire or electric shock.

- Handle with care. Do not process, bend, stretch, twist, press, clamp or break their cords.

## 2 Specifications

Specifications	MC-BJ870
DC Operating Voltage	21.6 V
Dimensions (W×D×H)	252 mm × 153 mm × 1160 mm
Weight	2.2 kg
Dust Cup Capacity	0.2 L
Approximate Run Time	AUTO 15–30 min    HIGH 10 min (full charge, fairly new battery, at 20 °C)
Approximate Charging Time	3 hours (when charging starting when the battery is completely discharged and the ambient temperature is 20 °C)
Battery	Rechargeable Lithium-ion battery (6 cells)
Rated capacity of battery	1850 mAh
AC Adapter Input Characteristics	AC 100–240 V    50–60 Hz    0.7–0.25 A
AC Adapter Output Characteristics	DC 24.5 V    1 A
Tools	Crevice tool    Dusting brush

\* Class with respect to protection against electric shock: 

### “Charging Information for battery pack”

Nominal Specifications		
Item	Specifications	Remark
Charging Current (Max.)	1.05 A	-
Charging Voltage	25.02 V	-
Charging cut current	100 mA	-
Ambient (Charge)	0–45 °C	-

Charge Limits		
Battery Pack Model	Maximum Charge Currents, A	Maximum Charge Voltage, V
AMV97V-NT	1.05 A	25.15 V

## 3 Technical Descriptions

### 3.1. Lithium-ion battery

#### ■To make the battery last longer

- If the vacuum cleaner is not being used for more than a month, fully charge the battery before storing the vacuum cleaner and recharge the battery once a year. (If the vacuum cleaner is stored with an uncharged battery, it may cause the battery to become defective or reduce the battery life.)
- When the battery runs out and the vacuum cleaner shuts down during cleaning, pressing the “AUTO/HIGH” switch again may allow the vacuum cleaner to keep working for a little while, but do not repeat this action, as it can shorten the battery life.
- Charge the battery in a location with a room temperature of between 5 and 35°C. The battery will not recharge properly in a location with low room temperature or a location with high room temperature, such as a location exposed to direct sunlight. The operating time may become shortened or the battery may take longer to recharge.

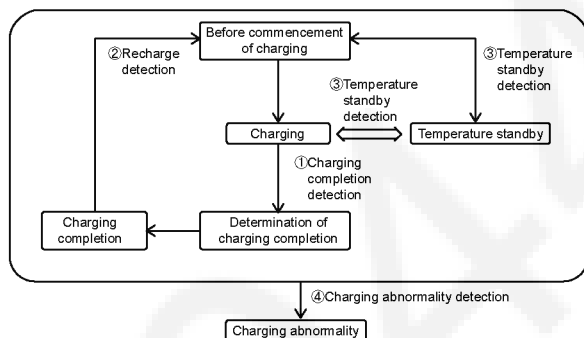
#### ■Battery status indicator

- The battery status indicator makes the battery status indicator lamp either light up or blink according to the battery voltage during operation.
- If the vacuum cleaner is shut down by pressing the “OFF” switch while the battery status indicator lamp is lit up or blinking, the lamp will remain lit up or blinking for 8 seconds before going out.
- If the vacuum cleaner is switched on again after being shut down, the battery status is indicated as it was during prior operation.
- When the battery status reaches zero during operation and the vacuum cleaner shuts down, the battery status indicator lamp remains blinking for 8 seconds and then goes out.
- If the “AUTO/HIGH” switch is pressed when the battery status is at zero, although the motor will not run, the battery status indicator lamp will blink for 8 seconds and then go out.

#### ■Battery built-in thermistor (temperature abnormality)

- If the battery temperature is above 77°C, according to the built-in thermistor, or if the thermistor burns out (open state), the motor will be shut off and the “CHECK” lamp will be lit up.
- After the motor is shut off, the “CHECK” lamp will remain lit up for 5 minutes before going out. The device will then go into standby mode.
- \*The “AUTO/HIGH” switch will not work when the “CHECK” lamp is lit up.

#### ■Recharging



	Standby mode	Before commencement of charging	Charging	Determination of charging completion	Charging completion
Battery voltage	23.4V	Charging adapter set Charging temperature 0 to 45°C		Battery voltage 23.4 to 26.4V	
Charging current	1.0A 0.1A 0.1A			Charging current ≤0.1A	

#### <Commencement of recharging>

- If the battery temperature is not between 0 and 45°C it will not commence recharging, but will go into temperature standby state.
- If the temperature standby state continues for 180 minutes, the temperature for recovery from the temperature standby state will change to between 0 and 50°C.
- If the temperature standby state continues for 300 minutes, there is a charging abnormality.  
(The battery status indicator lamp will blink rapidly [0.15sec-ON/0.15sec-OFF].)

#### <During recharging>

- If the battery temperature is below -1°C or above 60°C, the battery will stop recharging and will go into temperature standby state.
- If the temperature shifts to between 0 and 57°C during temperature standby, recharging will recommence.
- If the temperature standby state continues for 120 minutes, there is a charging abnormality.  
(The battery status indicator lamp will blink rapidly [0.15sec-ON/0.15sec-OFF].)

#### <Completion of recharging>

- Charging time: About 3 hours (time required to recharge an empty battery at an ambient temperature of 20°C when the battery is still new)  
\*If the charging temperature standby state is included, recharging may take up to 8 hours.
- If charging current is below 0.1A and battery voltage is between 23.4V and 26.4V, recharging is complete.
- If after 270 minutes of charging time the battery voltage is between 23.4V and 26.4V, recharging is complete.
- Anything other than the above conditions should be considered a charging abnormality.  
(The battery status indicator lamp will blink rapidly [0.15sec-ON/0.15sec-OFF].)

■Charging adapter and “standby,” “charging,” and “cleaning” modes

- Cleaning mode: when the vacuum cleaner is in use
- Charging mode: when the battery is being recharged
- Standby mode: when the vacuum cleaner is switched off

<Charging adapter and relation to “standby,” “charging,” and “cleaning” modes>

1. If the charging adapter is plugged in during standby mode, it will change to charging mode.
2. If the charging adapter is plugged in during cleaning mode, it will change to charging mode.
3. If the charging adapter is unplugged during charging mode, it will change to standby mode.

\*Switch operation cannot be performed during charging mode.

\*During standby mode, all LEDs are off (no indication of abnormality)


## 3.2. Anti-idling function

### ■Activating and deactivating the anti-idling function

#### Changing the setting of the anti-idling function

To cancel the anti-idling function


- 1 Lift the power nozzle at "AUTO" position.  
- After about 5 seconds the operation is stopped, and the dust sensor lamp is blinking slowly.

- 2 Press  (more than 2 sec.)

(The dust sensor lamp is turned off, the setting is completed if the operation is resumed.)

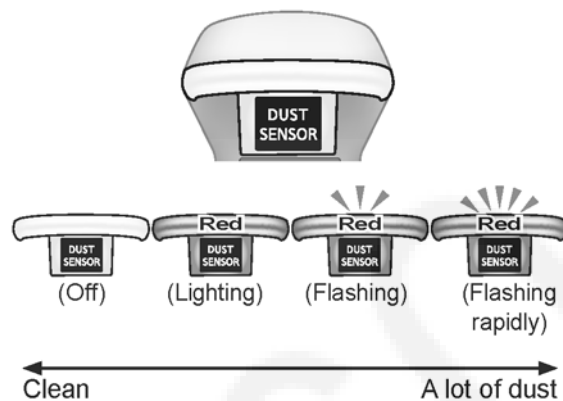
To set the anti-idling function

- 1 Lift the power nozzle at "AUTO" position.

- 2 Press  (more than 2 sec.)

(The operation is stopped, the setting is completed if the dust sensor lamp is blinking slowly.)

## 3.3. Dust sensor function

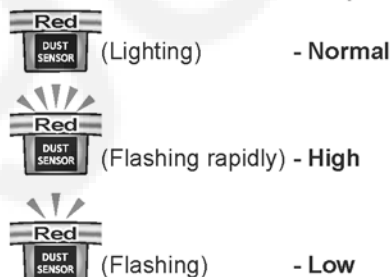


### ■Changing the dust sensor sensitivity setting

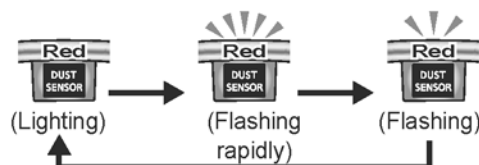
#### Changing the sensitivity of the dust sensor

- 1 Press "BRUSH OFF/ON" while holding down "OFF".  
(Hold down "BRUSH OFF/ON") Release "OFF" and hold "BRUSH OFF/ON" for more than 5 seconds.

#### States of the dust sensor lamp



- 2 Press "BRUSH OFF/ON" to select the sensitivity.  
(Changes each time you press "BRUSH OFF/ON")

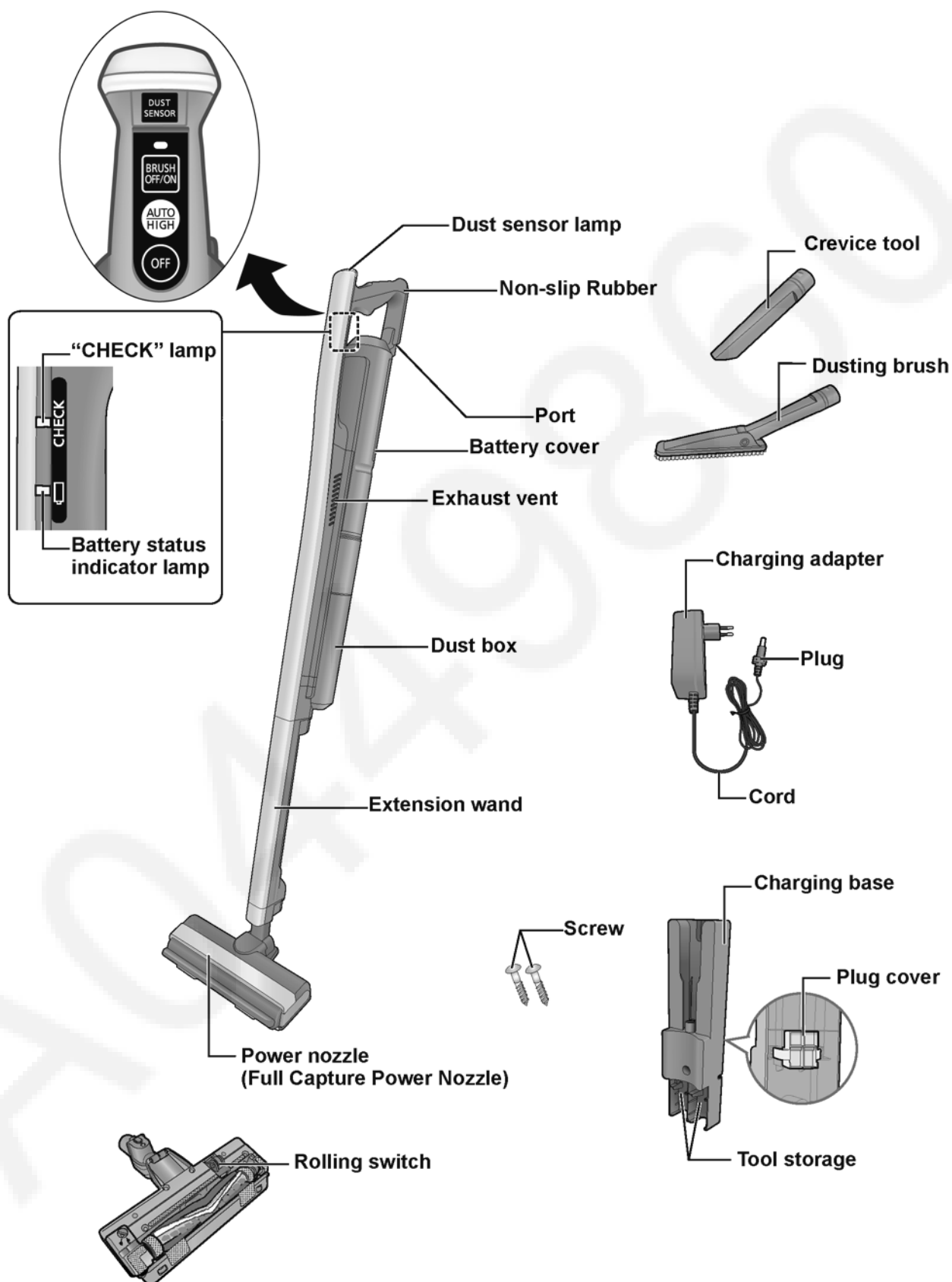


- 3 Press "OFF". (Setting finished)



## 4 Location of Controls and Components

### 4.1. MC-BJ870



#### NOTE

- For safety reason, the agitator will stop functioning/working when the nozzle is lifted up.

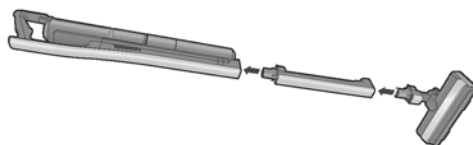
# 5 Operating Instructions

## 5.1. Preparation (Excerpts from the instruction manual)

### Preparation

#### Attaching Extension wand and Nozzle

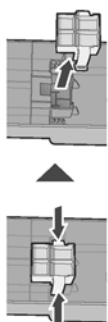
- 1 Insert extension wand into vacuum cleaner body until it snaps in place.
- 2 Insert power nozzle into extension wand until it snaps in place.



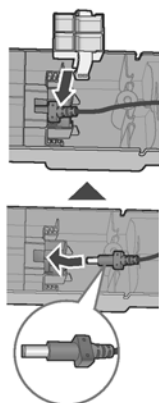
#### If you want to hang the vacuum cleaner to the wall, please attach the Charging base to the wall

The wall is to choose a place with a thickness of 10 mm or more plates or pillars and bars on the back, please install by the supplied screws.

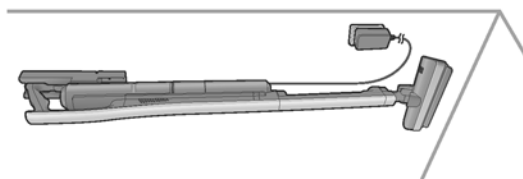
- 1 Remove the plug cover from the charging base.



- 2 Plug the charging adapter to the charging base (behind). Reinstall the plug cover.

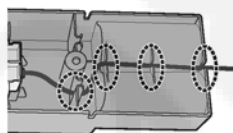


In the narrow place

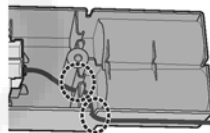


- 3 Insert the cord into the slot (⦿) in the charging base.

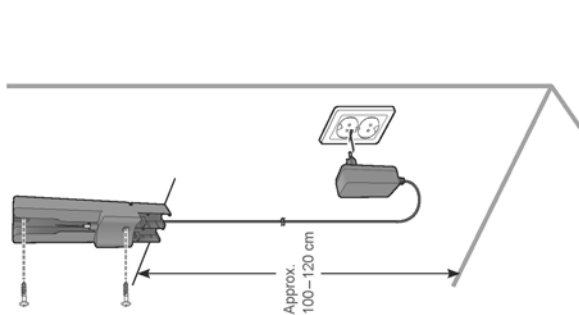
Put the cord in the lower direction



Put the cord in the left direction  
(Put out in right direction)



- 4 Fix the screw, and then plug charging adapter into the socket outlet.

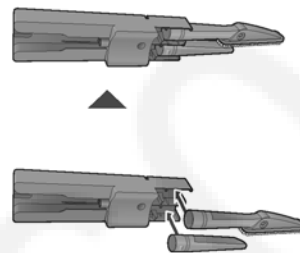


#### REQUEST

- Please do not pinch the cord between the charging base and the wall.
- After installation, please check whether the charging base are securely installed.

#### Tool Storage

Insert crevice tool and dusting brush into slot on the charging base as shown.

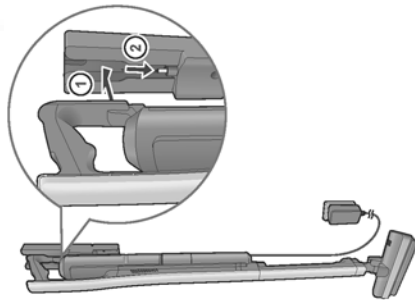




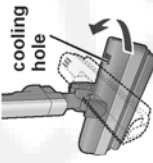
## Charging

The battery is not fully charged at the time of purchase, so please be sure to charge before use (charge for at least 3 hours).

Hang the vacuum cleaner to the charging base as shown below.

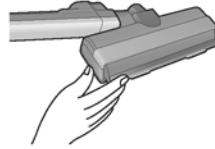


In the narrow place

- ① Press the cooling hole side, rotate the nozzle 90 degrees
- 

- ② Hang the vacuum cleaner to the charging base

- ③ To fix the nozzle



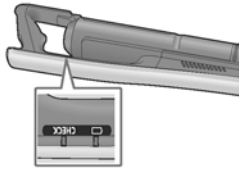
### REQUEST

- When the battery status indicator doesn't light or goes out immediately, try putting the main unit in the charging base again.
- If interference occurs with radios or televisions, move the charging adapter at least 1 metre away.

### NOTE

- The charging base consumes 0.5 W even when the main unit is not on it.

### Battery status indicator



A lighting light (blue) indicates the vacuum cleaner is charging.  
When the vacuum cleaner is fully charged the light will turn off.  
If the indicator does not light, lift the body and re-set on the charging base.

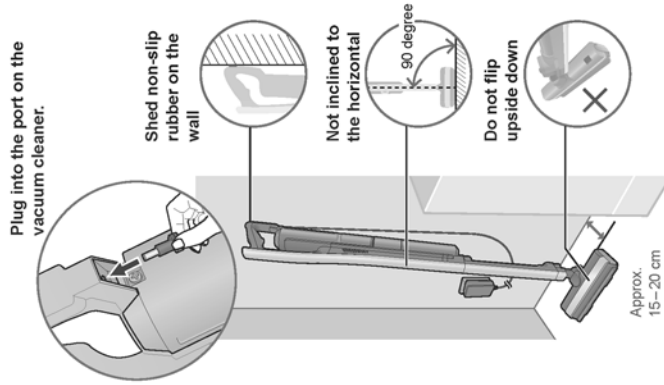
### To help make the battery last longer

- If the unit is not used for one month or more, charge the unit fully, turn the main power switch off for storage, then recharge the unit at least once a year thereafter.
- (Storing the unit in an uncharged state will adversely affect the performance and lifespan of the battery.)
- Recharge in a room where the temperature is between 5 °C and 35 °C. The unit cannot charge properly if the room is too cold or too hot (such as when the room receives direct sunlight). The run time will be shortened and recharging times will increase.

### NOTE

- The main unit and charging adapter may become warm while charging, but this is normal.
- The length of time the unit can run varies depending on the temperature of the battery and other usage conditions.
- Run time will vary depending on the state of the battery and/or temperature.
- If vacuum cleaner has not been used for 6 months, the run time after full charge will be reduced. Run time will return to normal after 2-3 full use/charging cycles.

If you do not want to hang the vacuum cleaner to the wall.



### REQUEST

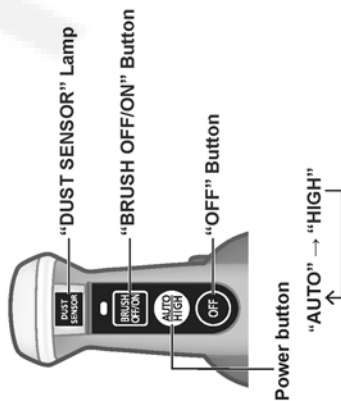
- When propping against the wall, please make sure there is nothing fragile around and keep away from children and pets.
- If the floor or the wall is slippery, please lay on the floor.

## 5.3. How to use the Vacuum Cleaner (Excerpts from the instruction manual)

### How To Use The Vacuum Cleaner

1 Remove vacuum cleaner from charging base.

2 Press the power button to turn on vacuum cleaner.  
The power level is changed by pressing the power button.



**AUTO:** The suction is adjusted automatically to suit the volume of dust detected at the cleaning face.

**HIGH:** High power

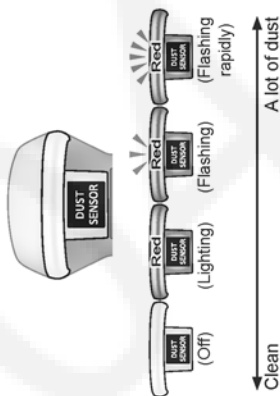
Press the "BRUSH OFF/ON" button to turn it ON or OFF to suit the flooring being cleaned.

3 After use, place vacuum cleaner into charging base.

#### Dust Sensor

Dust Sensor detects invisible dust and controls power automatically.

The dust sensor lamp flashes to let you know it has found dirt you can't see.  
(It detects very fine house dust, even pollen)



#### Anti-idling Function

The agitator will stop functioning/working when the nozzle is lifted up for more than 5 sec. It will restart when the nozzle is lowered onto the floor.

- The dust sensor lamp is blinking slowly (about 3-second intervals) when the anti-idling function is working.
- If the anti-idling function has continued for about 10 minutes, vacuum cleaner will be turn it OFF.

#### Changing the setting of the anti-idling function

To cancel the anti-idling function

- 1 Lift the power nozzle at "AUTO" position.  
- After about 5 seconds the operation is stopped, and the dust sensor lamp is blinking slowly.
- 2 Press **AUTO HIGH** (more than 2 sec.)  
(The dust sensor lamp is turned off, the setting is completed if the operation is resumed.)

To set the anti-idling function

- 1 Lift the power nozzle at "AUTO" position.
- 2 Press **AUTO HIGH** (more than 2 sec.)  
(The operation is stopped, the setting is completed if the dust sensor lamp is blinking slowly.)

#### Battery Status

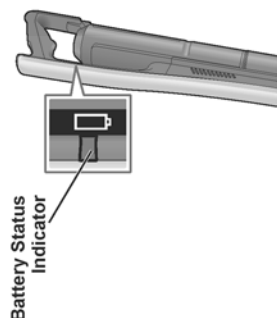
Remaining battery level can be checked using the following steps.

- 1 Remove the vacuum cleaner from the charging base.
- 2 Turn on vacuum cleaner.

#### Battery Status Indicator

If battery status indicator is lighting then battery power level is OK.

If battery status indicator is blinking the battery needs to be charged before further use.



#### Lighting



#### Blinking

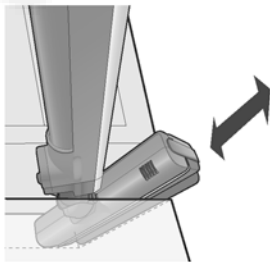


#### The battery is consumables.

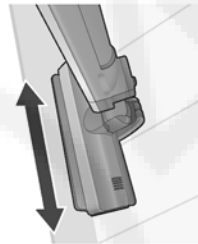
- The run time reduces as you continue to repeatedly use the unit. The life of the battery depends on factors such as the ambient temperature, and amount of time it is used, and the length of charge/discharge cycles will become shorter depending on usage conditions.
- If the run time reduces significantly even after proper recharging, it means the battery has reached the end of its service life. Please contact to the retailer where you purchased this vacuum cleaner.

Power nozzle allows you to reach to the edges and clean every corner.

*For the narrow space*

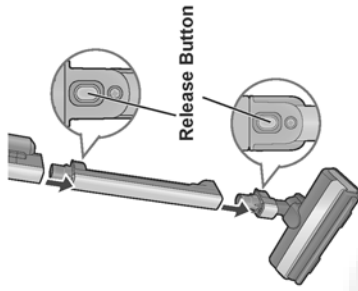


*At the wall side*

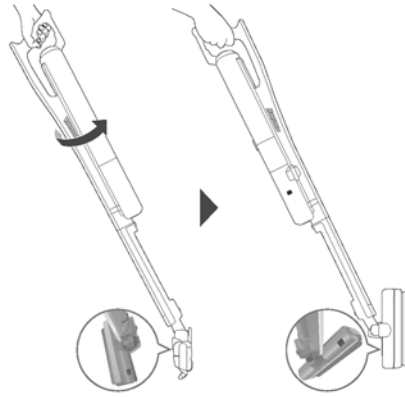


*As a Handy Cleaner*

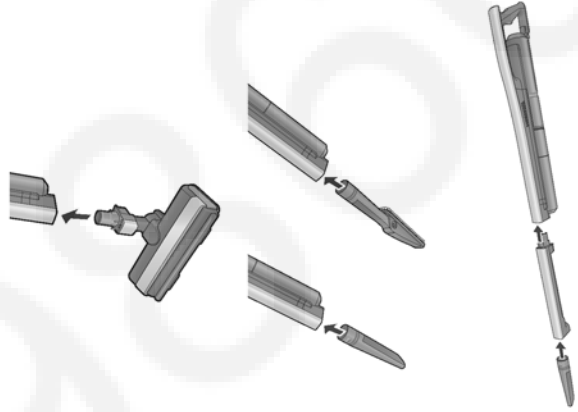
- 1 Press the release button.  
Remove the extension wand and power nozzle.



Turn to the upside down.



- 2 Tools can be attached to the vacuum cleaner as needed.



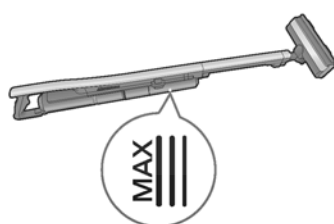
## 5.4. Maintenance / Changing The Settings (Excerpts from the instruction manual)

### Maintenance

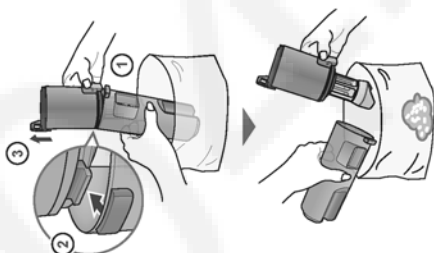
#### How to empty the dust cup

Empty the dust cup in the following cases:

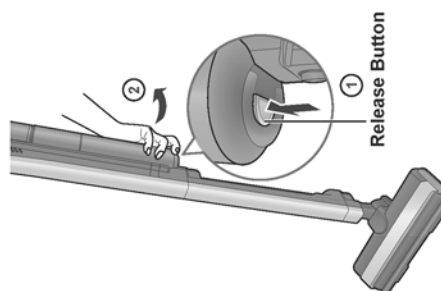
- When dust level reached the "MAX" line.
- When suction power has dropped.



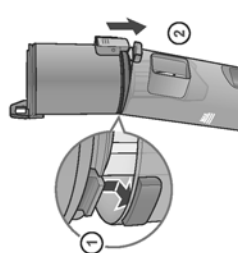
**2** Remove the filter case, and throw away the trash.



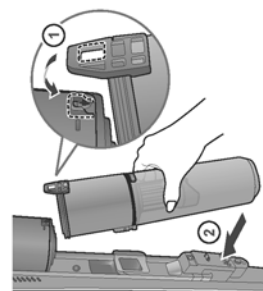
**1** Press the release button and remove dust box from vacuum cleaner.



**3** Reinstall filter case into dust cup.



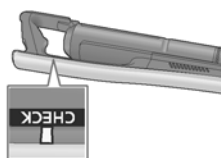
**4** Reinstall dust box into vacuum cleaner.



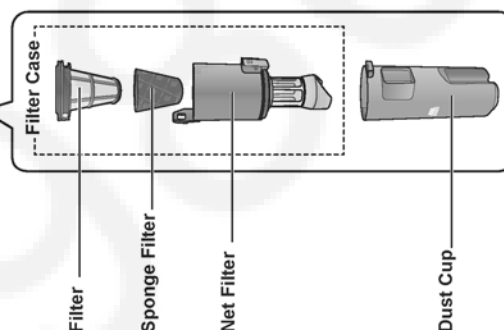
#### Cleaning the dust box

Cleaning the dust box in the following cases:

- When the "CHECK" lamp (red) light up.
- When the suction power is not restored even after emptying the dust cup.

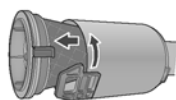


Dust Box



#### Disassembly

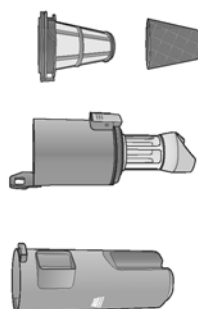
**1** Remove the filter from the net filter.



**2** Remove the sponge filter from the filter.



**3** Separate parts as shown.



## Cleaning

Remove the dust by tapping filters.

Wipe off the dirt of the surface with a tissue.

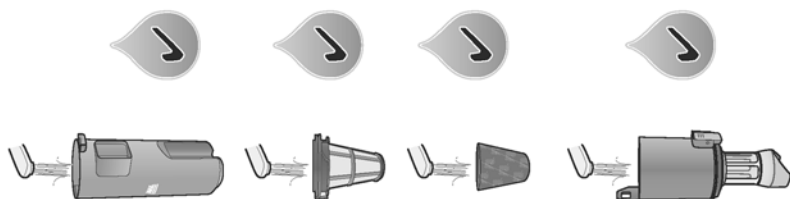
The dust cup, sponge filter, filter and net filter can be washed. If necessary, rinse with cold water only.

DO NOT use detergent or soap.

DO NOT wash in the dishwasher.

Allow parts to dry 24 hours before putting back into vacuum cleaner.

DO NOT install damp.



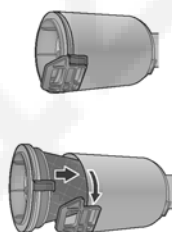
## Assembly

Assemble the dust box in reverse order of disassembly.

1 Attach the sponge filter to the filter.



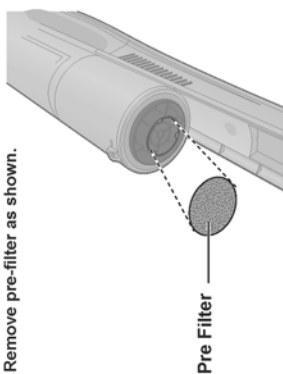
2 Attach the filter to the net filter.



## Cleaning the Pre-filter

1 Remove dust box from vacuum cleaner.

2 Remove pre-filter as shown.

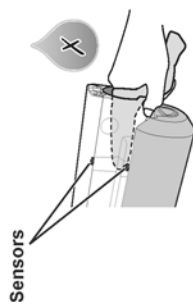


Pre Filter

## Cleaning Sensors

DO NOT clean with water.

If necessary wipe with a tissue or soft dry cloth.



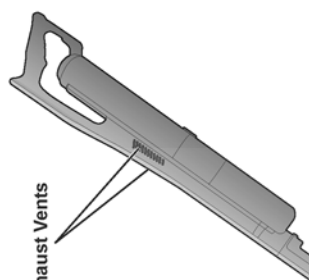
Sensors

## Cleaning Exterior

### EXHAUST VENTS

DO NOT clean with water.

If necessary, wipe with a tissue or soft dry cloth.



Exhaust Vents

## BODY

Wipe gently with a damp cloth.

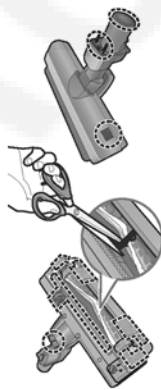
DO NOT use water.



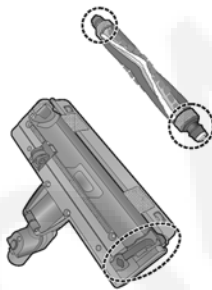
### Cleaning the Power Nozzle

Check the areas marked in the illustrations and remove any debris.

Cut off any hair, thread, string, carpet pile, and lint entangled around agitator with a pair of scissors.



2 Remove any dirt or debris in the belt path and agitator areas.



### Cleaning Agitator

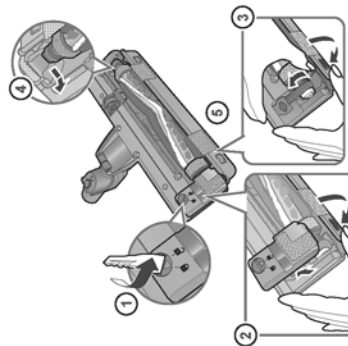
1 To remove the agitator cover and agitator:  
1 Turn the latch located on the agitator cover to the unlock position.

2 Press the shutter down.

3 Press the shutter down.

4 Lift the agitator end cap out.

5 Remove agitator.



To install agitator cover and agitator:

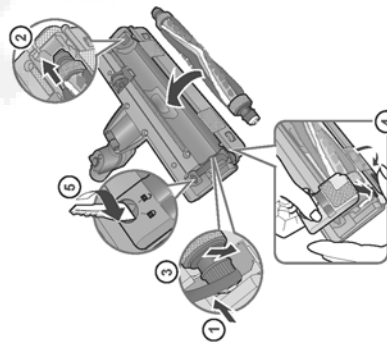
1 Reinstall belt onto belt pulley.

2 Reinstall agitator into nozzle as shown.

3 Press agitator end cap into place in nozzle.

4 Fit the tip of the agitator cover by hooking the claw.

5 Place the agitator cover onto nozzle and secure by rotating the latch to the LOCK position.



## Changing The Settings

Changing the sensitivity of the dust sensor

1 Press "BRUSH OFF/ON" while holding down "OFF".  
(Hold down "BRUSH OFF/ON") Release "OFF" and hold "BRUSH OFF/ON" for more than 5 seconds.

States of the dust sensor lamp



2 Press "BRUSH OFF/ON" to select the sensitivity.  
(Changes each time you press "BRUSH OFF/ON")



3 Press "OFF". (Setting finished)



## 5.5. Product Disposal / Trouble Shooting (Excerpts from the instruction manual)

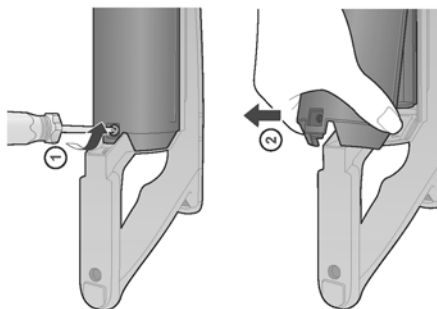
### Product Disposal

Rechargeable battery in this vacuum cleaner is lithium-ion battery.

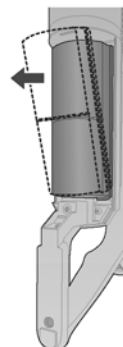
- The used battery should not be disassembled and disposed it together with normal household waste. Please remove the battery from vacuum cleaner, then take it to appropriate collection points in accordance with your municipal rules. For more information, contact with the retailer or your local authorities in charge of waste management.

Before removing the battery, discharge it completely by operating the unit until it stops.

- 1 To remove the battery cover.**
- ① Unscrew the screw.
  - ② Remove the battery cover.



- 2 Remove the battery.**



### Trouble Shooting

**⚠ WARNING** Electrical Shock or Personal Injury Hazard

Disconnect the electrical supply before servicing or cleaning the vacuum cleaner. Failure to do so could result in electrical shock or personal injury from vacuum cleaner which may operate suddenly.

Review this chart to find do-it-yourself solutions for minor performance problems. Any service needed, other than those described in Operating Instructions, should be performed by an authorized service representative.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Vacuum Cleaner not functioning.	<ul style="list-style-type: none"><li>- Power button not turned on.</li><li>- Battery is dead.</li><li>- Thermal cut-out activated.</li></ul>	<ul style="list-style-type: none"><li>- Push Power button to on.</li><li>- Charge Battery.</li><li>- Empty dust cup, clean filters, and leave cleaner for 30 minutes.</li></ul>
Suction power weakened.	<ul style="list-style-type: none"><li>- Full or clogged dust cup.</li><li>- Dirty filters.</li><li>- Clogged nozzle or dust cup.</li><li>- Thermal cut-out for nozzle motor activated.</li><li>- Worn agitator.</li></ul>	<ul style="list-style-type: none"><li>- Empty dust cup.</li><li>- Change/clean filters.</li><li>- Clean nozzle or dust cup.</li><li>- Turn off for 30 minutes, and then turn on again.</li><li>- Replace agitator.</li></ul>
Agitator not turning.	<ul style="list-style-type: none"><li>- Thermal cut-out for nozzle motor activated.</li><li>- Belt/agitator not installed properly.</li><li>- Rolling switch activated.</li><li>- Nozzle is floating from floor.</li></ul>	<ul style="list-style-type: none"><li>- Turn off for 30 minutes, and then turn on again.</li><li>- Check belt and/or agitator.</li><li>- Float nozzle from floor and then place on the floor.</li><li>- Place nozzle on the floor.</li></ul>

If the problem remains after checking, return the vacuum cleaner to the retailer where you purchased it. Do not attempt to repair it by yourself.

## 6 Troubleshooting Guide

### 6.1. Information lamps (LEDs) (MC-BJ870)

#### Information conveyed by various lamps (LEDs)

\*The information conveyed varies according to whether lamps (LEDs) are lit up or blinking, and the blinking speed.

Unit	Communication lamp	Status	Power level		Charging	Information conditions
			HIGH	AUTO		
Main unit	Battery status indicator lamp	Lit up	○	○	—	When the vacuum cleaner is being operated (and the battery has a sufficient charge remaining)
			—	—	○	When the battery (rechargeable lithium ion battery) of the main unit is being charged
		Blinking (1.00sec-ON/1.00sec-OFF)	○	○	—	<ul style="list-style-type: none"> <li>When the vacuum cleaner is being operated (and the battery charge is low)</li> <li>When the vacuum cleaner is being operated (lamp is blinking) and is then switched OFF (lamp goes out after blinking for 8 seconds)</li> <li>When the battery charge reaches zero during operation (vacuum cleaner shuts down, lamp remains blinking for 8 seconds then goes out)</li> <li>When the operation switch is pressed, but the battery charge is at zero (battery status indicator lamp blinks for 8 seconds then goes out)</li> </ul>
		Blinking rapidly (0.15sec-ON/0.15sec-OFF)	—	—	○	<ul style="list-style-type: none"> <li>When the temperature standby state prior to commencement of charging (battery temperature of &lt; 0°C or ≥ 45°C) continues for 300 minutes</li> <li>When the voltage of the charging adaptor prior to charging is ≥ 26.0V or ≤ 24.0V (charging adaptor over-voltage or low voltage)</li> <li>When the battery voltage is ≥ 25.62V or ≤ 9.0V during charging (battery over-voltage or low voltage)</li> <li>When the charging current is ≤ 0.05A (low charging current) during charging</li> <li>When the battery voltage remains at ≤ 18.0V for 18 minutes during charging (low battery voltage)</li> <li>When the temperature standby state during charging (battery temperature of &lt; -1°C or ≥ 60°C) continues for 120 minutes</li> <li>When the charging current is ≥ 1.4A (charging over-current)</li> <li>When there is an abnormality in battery temperature (short/open)</li> </ul>
		Off (during charging)	—	—	○	When the battery voltage is between 23.4V and 26.4V (charging completed)
	CHECK lamp	Lit up	○	—	—	When the suction is determined to be weak during "HIGH" operation because of foreign particles in the suction passage due to conditions such as a full dust box or clogged filter
			○	○	—	<ul style="list-style-type: none"> <li>When the battery is damaged (open)</li> <li>When the battery temperature is high (approx. ≥ 77°C) during operation</li> </ul>
			○	○	—	When the temperature of the main unit's motor is abnormal
		Blinking rapidly (0.15sec-ON/0.15sec-OFF)	○	○	—	When an abnormality in the main unit's motor (lock, over-voltage, low voltage, overspeed, low speed) has been detected 5 times in total (memory) *When the abnormality is repeated 5 times, switch operation is disabled
	DUST SENSOR	Blinking rapidly (0.05sec-ON/0.10sec-OFF) Blinking (0.15sec-ON/0.05sec-OFF) Lit up Off	○	○	—	Operates according to the detection level of the house dust sensor
		Blinking slowly (every 3 seconds)	○	○	—	When the vacuum cleaner is in the anti-idling state
	OBRUSH	Blinking rapidly (0.15sec-ON/0.15sec-OFF)	○	○	—	<ul style="list-style-type: none"> <li>When the nozzle motor current continues at ≥ 3.3A (memory) for 3 seconds (memory)</li> <li>When the nozzle motor thermoprotector continues to operate for 3 seconds (memory)</li> </ul> *Restoration from nozzle motor thermo/lock abnormality is not performed
		Lit up	○	○	—	When the rotating brush is ON



## 6.2. Troubleshooting quick reference table (MC-BJ870)

\*When performing inspection or repairs, carry out the inspection or actions for the various symptoms based on this quick reference table.

\*The circled numbers in the table indicate components that may be faulty, causing the symptom.

Confirmation code	Unit	Component to check	Charging part	Charging battery	Main unit						POWER NOZZLE			EXTENSION WAND
					MOTOR ASSY	P.C.B A UNIT	P.C.B B UNIT	P.C.B K UNIT	LEAD WIRE A P.C.B D UNIT ASSY	Dust box (Each filter)	NOZZLE MOTOR UNIT	P.C.B E UNIT	Connector pipe	
A	Symptom (No.)	The vacuum cleaner does not work even when the "AUTO/HIGH" switch is pressed. (The battery charge lamp does not light up and the motor fan unit and nozzle motor unit do not work.)		①	⑤	⑥	②	③	④					
B		The vacuum cleaner does not work even when the "AUTO/HIGH" switch is pressed. (The battery charge lamp lights up, but the motor fan unit and nozzle motor unit do not work.)		①	⑤	⑥	②	③	④					
C		The vacuum cleaner sometimes does not work even when the "AUTO/HIGH" switch is pressed.			③	④	①		②					
D		The nozzle motor unit does not work even when the "AUTO/HIGH" switch is pressed. (The motor fan unit works.)				⑥	⑤		④		①	③	②	
E		The vacuum cleaner's operating mode does not change even when the "AUTO/HIGH" switch is pressed.			③	②	①							
F		The vacuum cleaner's operating mode changes by itself.				②	①							
G		The vacuum cleaner does not shut down even when the "OFF" switch is pressed.				②	①							
H		The nozzle motor unit does switch off or on even when the "BRUSH OFF/ON" switch is pressed.				③	①		②		⑥	⑤	④	
I		The rotating brush sometimes stops.				③	①		②		⑦	⑥	⑤	④
J		The rotating brush stops during operation.				③	①		②		⑦	⑥	⑤	④
K		The "DUST SENSOR" lamp does not light up.				④		③	②					
L		The "DUST SENSOR" lamp remains lit up and does not go out.				④		③	②					
M		The "CHECK" lamp is lit up or blinking, even though there is very little dust in the dust box. *Only when operating on "HIGH"			④	⑤		③		①			③	②
N		Even though the dust box is full, the "CHECK" lamp does not light up. *Only when operating on "HIGH"			②	③		①						
O		The suction is weak.		③	④	⑤							②	①
P		The battery does not last long.		①	②	③								
Q		The battery does not recharge. (The battery status indicator lamp lights up.)	①	②		④		③						
R		The battery does not recharge. (The battery status indicator lamp blinks rapidly.)	①	②		④		③						
S		The battery does not recharge. (The battery status indicator lamp does not light up.)	①	②		④		③						

### 6.2.1. Confirming order for the symptoms and parts to be checked

**Confirmation code A:** The vacuum cleaner does not work even when the “AUTO/HIGH” switch is pressed.  
(The battery status indicator lamp does not light up and the motor fan unit and Nozzle motor unit do not work.)

**Confirmation code B:** The vacuum cleaner does not work even when the “AUTO/HIGH” switch is pressed.  
(The battery status indicator lamp lights up, but the motor fan unit and Nozzle motor unit do not work.)

Symptom No.	Check point	Reference
1	Lithium-ion battery	6.3.2.1.Checking the Lithium-ion battery
2	P.C.B B unit	6.3.3.3.Checking the P.C.B B unit
3	P.C.B K unit	6.3.3.4.Checking the P.C.B K unit
4	Lead wire A assy	6.3.3.6.Checking Lead wire A assy
5	Motor assy	6.3.3.1.Checking the Motor assy
6	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

**Confirmation code C:** The vacuum cleaner sometimes does not work even when the “AUTO/HIGH” switch is pressed.

Symptom No.	Check point	Reference
1	P.C.B B unit	6.3.3.3.Checking the P.C.B B unit
2	Lead wire A assy	6.3.3.6.Checking Lead wire A assy
3	Motor assy	6.3.3.1.Checking the Motor assy
4	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

**Confirmation code D:** The Nozzle motor unit does not work even when the “AUTO/HIGH” switch is pressed.  
(The motor fan unit works.)

Symptom No.	Check point	Reference
1	Nozzle motor unit	6.3.4.1.Checking the Nozzle motor unit
2	Connector pipe	6.3.4.3.Checking the Floor nozzle pipe unit
3	P.C.B E unit	6.3.4.2.Checking the P.C.B E unit
4	Lead wire A assy	6.3.3.6.Checking Lead wire A assy
5	P.C.B B unit	6.3.3.3.Checking the P.C.B B unit
6	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

**Confirmation code E:** The vacuum cleaner’s operating mode does not change even when the “AUTO/HIGH” switch is pressed.

Symptom No.	Check point	Reference
1	P.C.B B unit	6.3.3.3.Checking the P.C.B B unit
2	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit
3	Motor assy	6.3.3.1.Checking the Motor assy

**Confirmation code F:** The vacuum cleaner’s operating mode changes by itself.

**Confirmation code G:** The vacuum cleaner does not shut down even when the “OFF” switch is pressed.

Symptom No.	Check point	Reference
1	P.C.B B unit	6.3.3.3.Checking the P.C.B B unit
2	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

**Confirmation code H:** The Nozzle motor unit does switch off or on even when the “BRUSH OFF/ON” switch is pressed.

**Confirmation code I:** The rotating brush sometimes stops.

**Confirmation code J:** The rotating brush stops during operation.

Symptom No.	Check point	Reference
1	P.C.B B unit	6.3.3.3.Checking the P.C.B B unit
2	Lead wire A assy	6.3.3.6.Checking Lead wire A assy
3	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

**Confirmation code K: The “DUST SENSOR” lamp does not light up.**

**Confirmation code L: The “DUST SENSOR” lamp remains lit up and does not go out.**

Symptom No.	Check point	Reference
1	P.C.B D unit	6.3.3.5.Checking the dust sensor (P.C.B D unit)
2	Lead wire A assy	6.3.3.6.Checking Lead wire A assy
3	P.C.B K unit	6.3.3.4.Checking the P.C.B K unit
4	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

**Confirmation code M: The “CHECK” lamp is lit up or blinking, even though there is very little dust in the dust box.**

**\*The “CHECK” lamp will light up when the cleaner is operating in “HIGH” mode, but will not light up during operation in “AUTO” mode.**

Symptom No.	Check point	Reference
1	Dust box (each filter)	6.3.3.7.Checking the dust box
2	Extension wand	6.3.4.5.Checking the Extension wand
3	Connector pipe	6.3.4.3.Checking the Floor nozzle pipe unit
4	P.C.B K unit	6.3.3.4.Checking the P.C.B K unit
5	Motor assy	6.3.3.1.Checking the Motor assy
6	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

**Confirmation code N: Even though the dust box is full, the “CHECK” lamp does not light up.**

**\*The “CHECK” lamp will light up when the cleaner is operating in “HIGH” mode, but will not light up during operation in “AUTO” mode.**

Symptom No.	Check point	Reference
1	P.C.B K unit	6.3.3.4.Checking the P.C.B K unit
2	Motor assy	6.3.3.1.Checking the Motor assy
3	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

**Confirmation code O: The suction is weak.**

Symptom No.	Check point	Reference
1	Extension wand	6.3.4.5.Checking the Extension wand
2	Connector pipe	6.3.4.3.Checking the Floor nozzle pipe unit
3	Lithium-ion battery	6.3.2.1.Checking the Lithium-ion battery
4	Motor assy	6.3.3.1.Checking the Motor assy
5	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

**Confirmation code P: The battery does not last long.**

Symptom No.	Check point	Reference
1	Lithium-ion battery	6.3.2.1.Checking the Lithium-ion battery
2	Motor assy	6.3.3.1.Checking the Motor assy
3	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

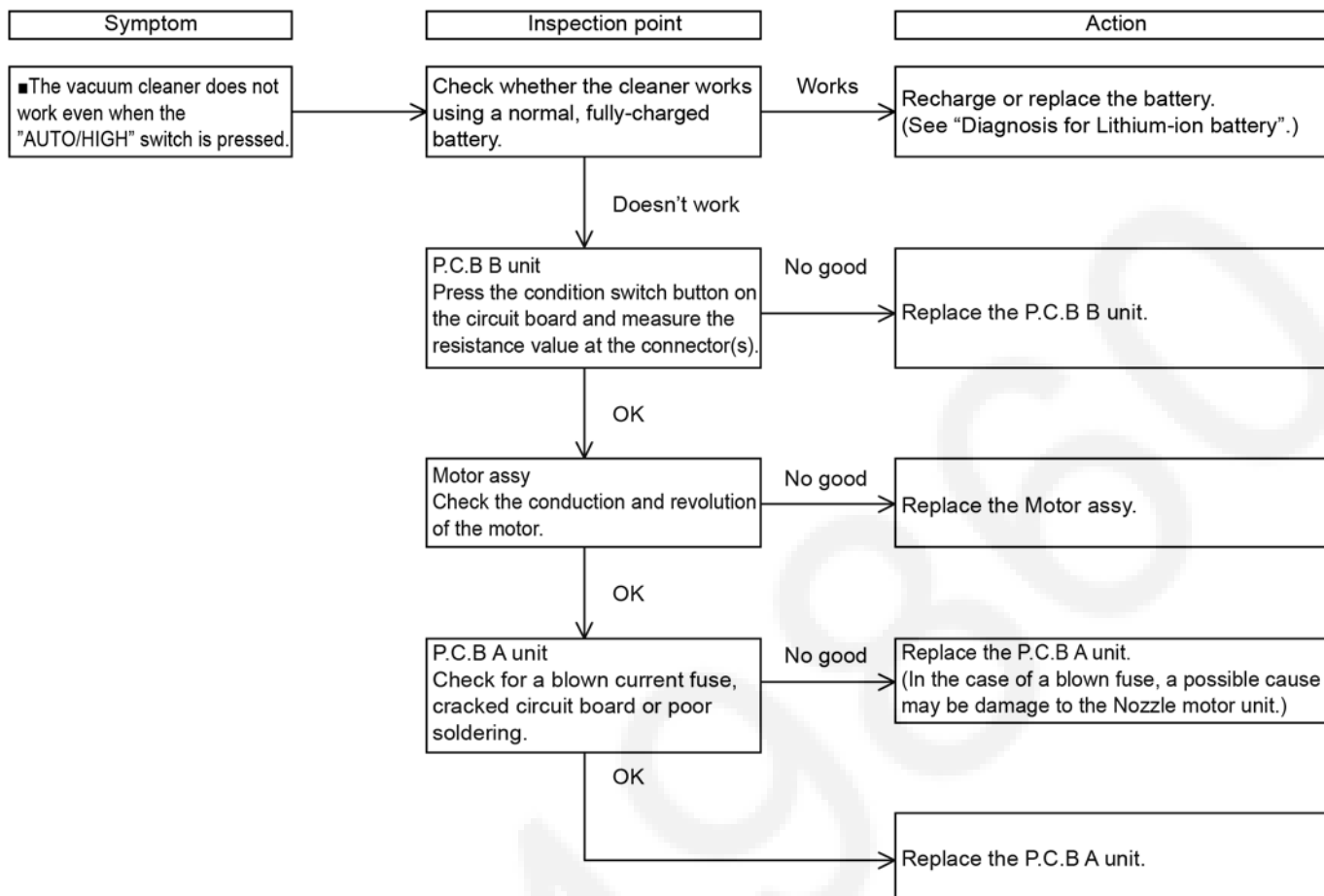
**Confirmation code Q: The battery does not recharge. (The battery status indicator lamp lights up.)**

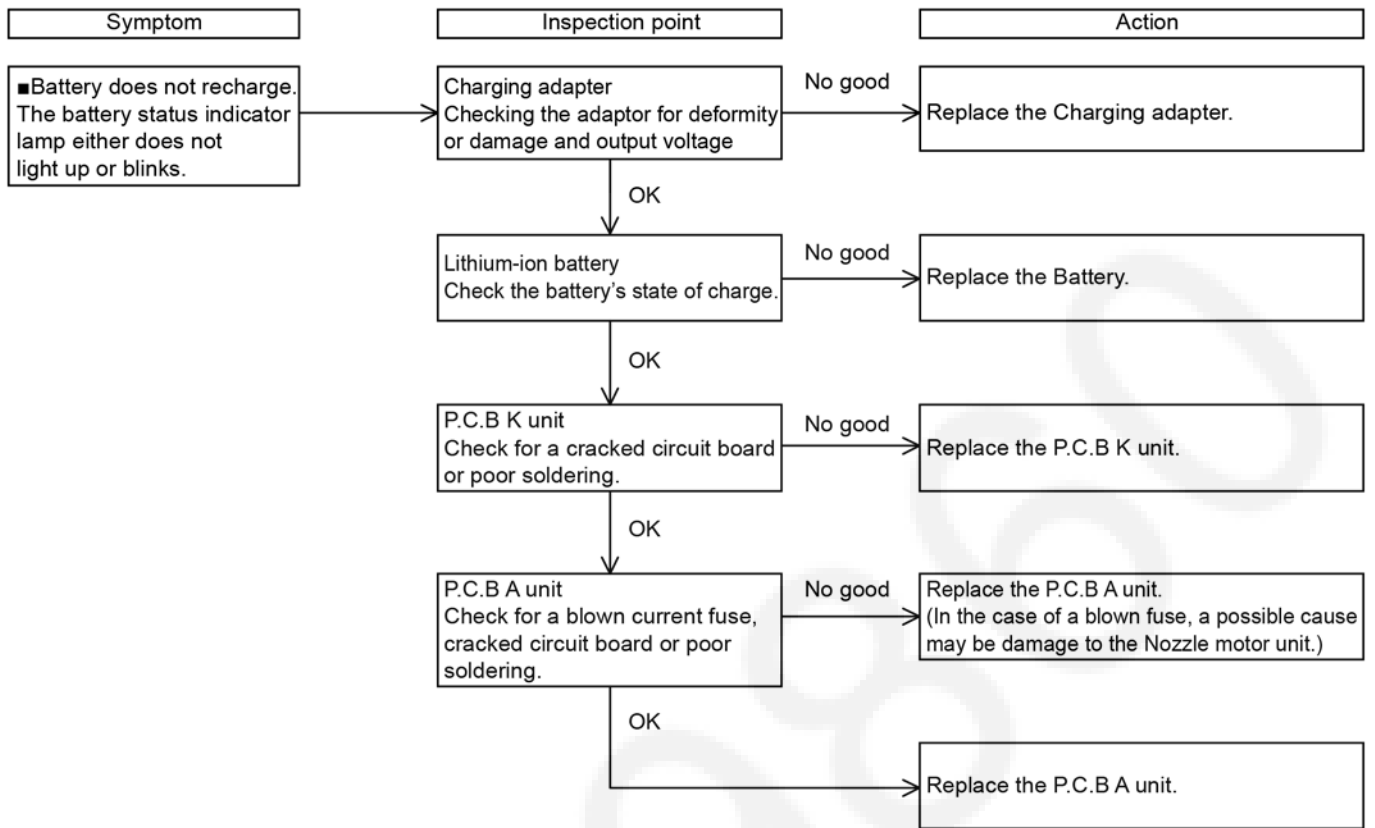
**Confirmation code R: The battery does not recharge. (The battery status indicator lamp blinks rapidly.)**

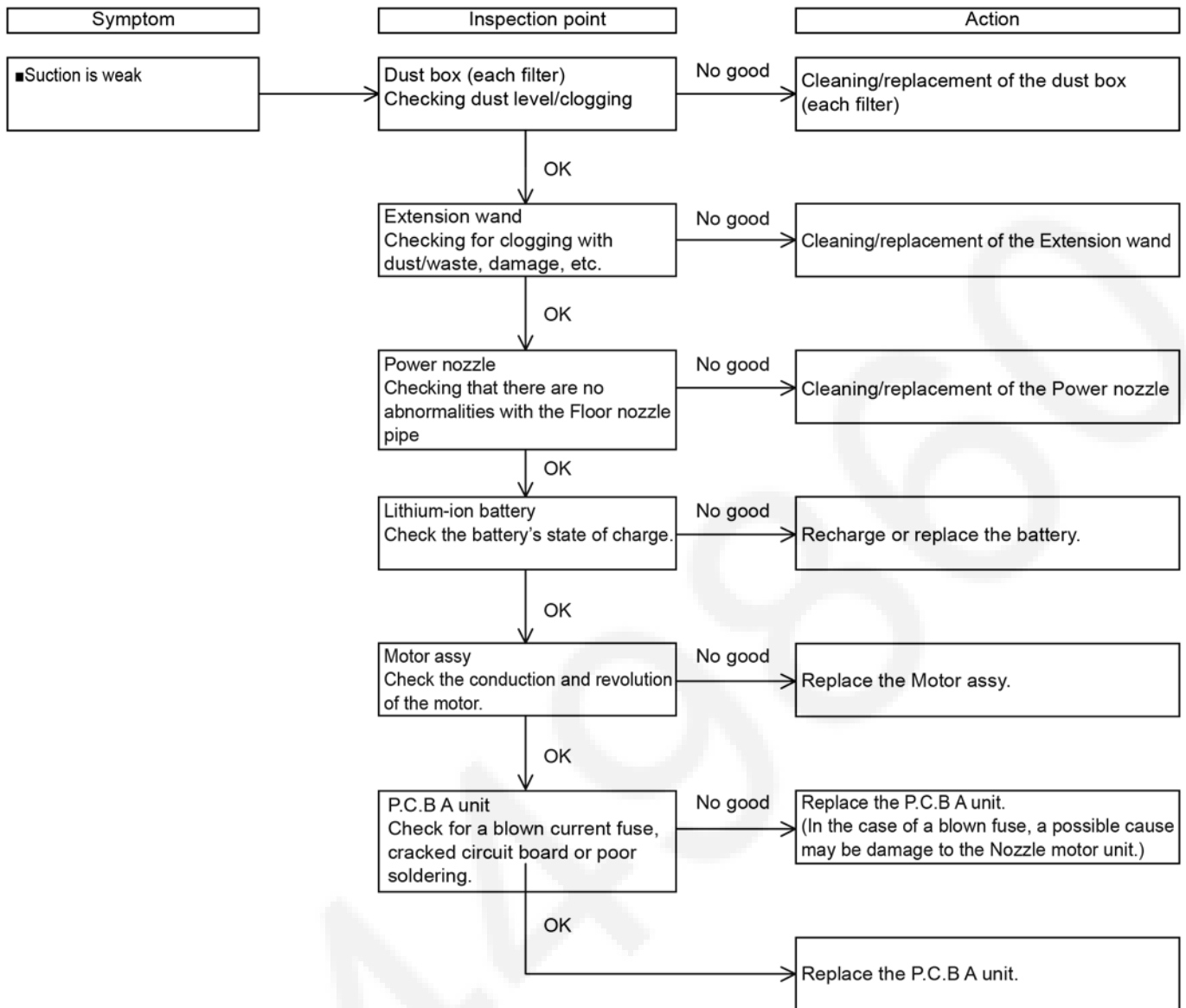
**Confirmation code S: The battery does not recharge. (The battery status indicator lamp does not light up.)**

Symptom No.	Check point	Reference
1	Charging adapter	6.3.1.1.Checking the charging adapter
2	Lithium-ion battery	6.3.2.1.Checking the Lithium-ion battery
3	P.C.B K unit	6.3.3.4.Checking the P.C.B K unit
4	P.C.B A unit	6.3.3.2.Checking the P.C.B A unit

## 6.2.2. Inspection flow for each symptom







## 6.3. Inspected component/what to check/action based on the troubleshooting quick reference table

### 6.3.1. Diagnosis for charging components

#### 6.3.1.1. Checking the charging adapter

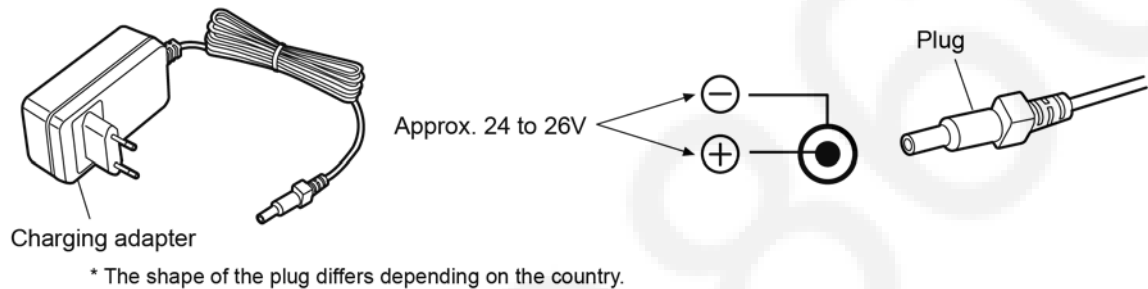
##### ■What to check/Method

##### <Check 1> Checking the charging adapter for deformity or damage

- Check whether there is any heat deformation, etc. in the main unit of the charging adapter.
- Check whether there is a burnout in the charging adapter cord due to damage or deformity, etc. of the insulation.

##### <Check 2> Checking the voltage of the charging adapter plug

- Plug the charging adapter into the power outlet (100 - 240V AC) and check the output voltage of the plug.
  - Check whether there is a burnout in the charging adapter cord due to damage or deformity, etc. of the insulation.
- Normal value: 24 to 26V DC (when open, no load)



##### ■Action

- Replacing the charging adapter

### 6.3.2. Diagnosis for Lithium-ion battery

#### 6.3.2.1. Checking the Lithium-ion battery

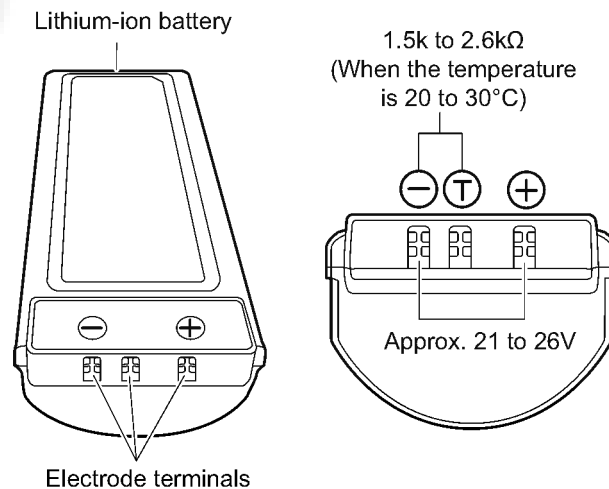
##### ■What to check/Method

##### <Check 1> Checking the Lithium-ion battery for deformity or damage

- Check that there is no deformity, damage, or swelling of the battery.
  - Check whether there is any damage to the connection terminals.
  - Check whether there are any foreign bodies clinging to the connection terminals.
- \*A short circuit of a lead wire or connector terminal may cause a current fuse to blow.

##### <Check 2> Checking the voltage of the Lithium-ion battery

- Measure the voltage between the positive and negative terminals of the battery.
- \*If the battery voltage at the time of measurement is lower than the normal voltage, recharge the battery (for 3 hours: fully charged) and then measure the voltage again.
- Normal state: Approx. 21 to 26V DC (when open, no load)
- Check whether there is a short circuit or burnout between the negative battery terminal and the thermistor.
- Normal state: Approx. 1.5k to 2.6k $\Omega$  (when temperature is 20 to 30°C)



#### ■Action

- Replacing the Lithium-ion battery

### 6.3.3. Diagnosis for main unit components

#### 6.3.3.1. Checking the Motor assy

##### ■What to check/Method

##### <Check 1> Checking for damage or burnout of lead wires and connectors.

- Check whether there is any damage, burnout or poor connection of connectors and lead wires.

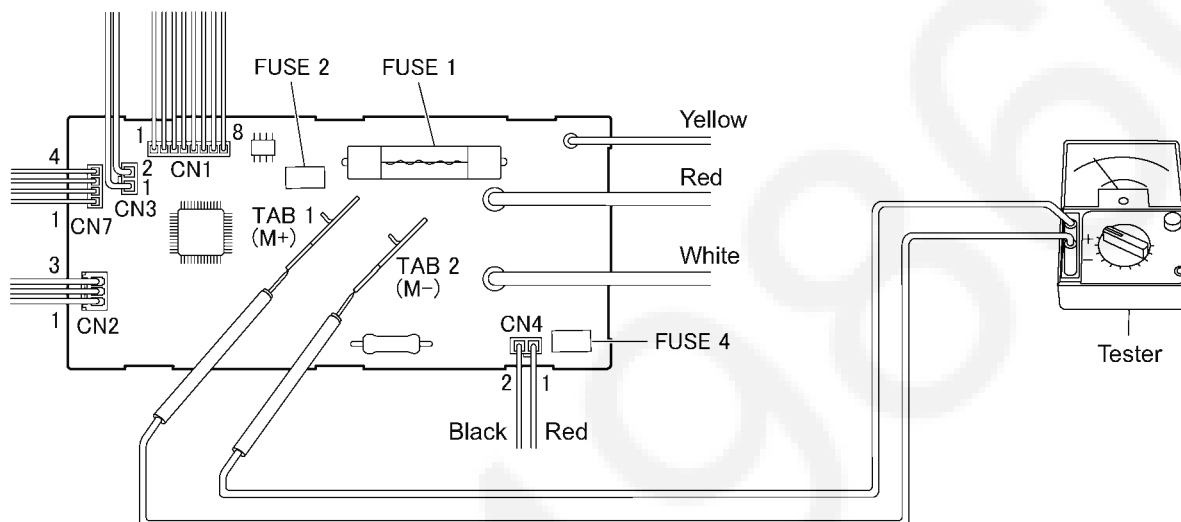
##### <Check 2> Motor assy (checking rotation)

- Turn on the power and check whether the sound of the motor can be heard.

##### <Check 3> Checking the voltage of the P.C.B A unit

- Check the voltage of TAB1 - TAB2 on the P.C.B A unit (21V to 26V DC with full battery)

\*Also check whether the P.C.B A unit current fuse is blown.



#### ■Action

- Replacing the Motor assy

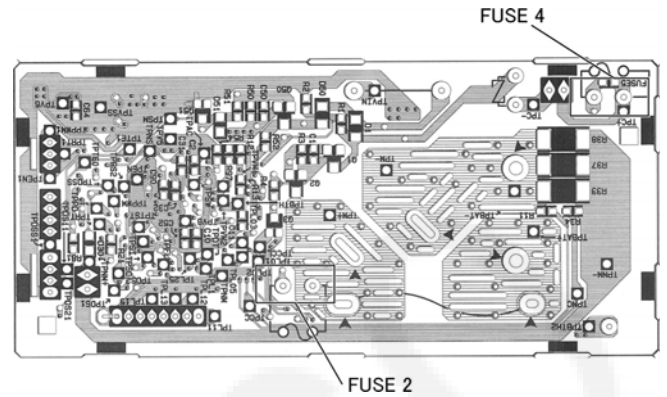
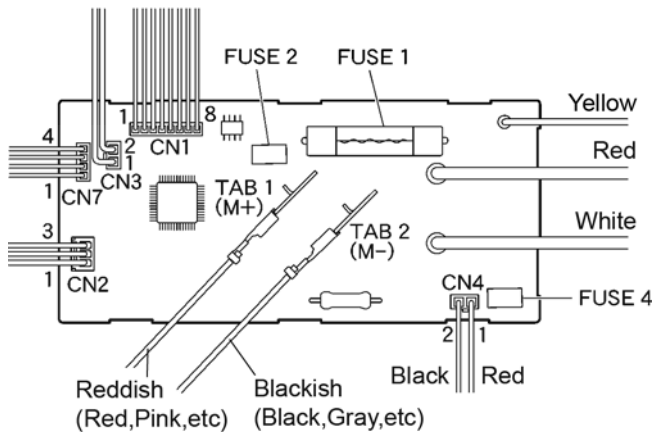
\*If there is a blown current fuse due to an abnormality in the Motor assy, replace both the P.C.B holder A unit and the Motor assy together.



##### <Clearing error memory>

Hold down the "OFF" switch for 10 seconds to clear the error memory.



### 6.3.3.2. Checking the P.C.B A unit



 <b>Warning</b>	
	<p>If there are any damaged electrical components or broken traces on the completed control unit, replace the circuit unit rather than attempting to repair and reuse it.</p>

#### ■What to check/Method

##### <Check 1> Checking the insertion, connection and conduction conditions of the connector housing

- Make a visual check of whether the lead wires A unit and relay connectors are properly inserted and connected.
- Make a visual check of whether the lead wires A unit and P.C.B D unit connectors are properly inserted and connected.
- Check that there is no burnout or poor connection, etc. of lead wires A unit by performing a conduction check using a tester.

##### <Check 2> Checking the condition of soldering on soldered lead wires and soldered connector posts

- Make a visual check of soldered lead wires/connector-post parts for poor soldering, broken traces, etc.
- Check that there is no burnout or poor connection, etc. of lead wires by performing a conduction check using a tester.

##### <Check 3> Checking whether there is a blown current fuse

- Make a visual check of soldered parts for poor soldering, broken traces, etc.
- Check current fuse conduction using a tester.

\*A blown current fuse could cause a layer short in the Motor assy or a locked fan, so also check the Motor assy.

(If there is a blown current fuse due to an abnormality in the Motor assy, replace both the P.C.B holder A unit and the Motor assy together.)

##### <Check 4> Checking whether there is a blown current fuse

- Make a visual check of soldered parts for poor soldering, broken traces, etc.
- Check current fuse conduction using a tester.

##### <Check 5> Checking whether there is a blown current fuse

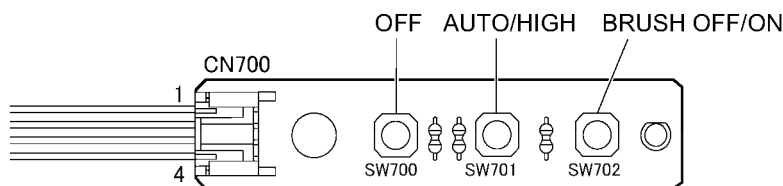
- Make a visual check of soldered parts for poor soldering, broken traces, etc.
- Check current fuse conduction using a tester.

##### <Check 6> Visual check of the P.C.B A unit for any cracking, damaged electrical components, poor soldering, broken traces, etc.

#### ■Action

- Securely connect connector housings.
- Replacing the P.C.B A unit
- If there is a blown current fuse due to an abnormality in the Motor assy, replace both the P.C.B A unit and the Motor assy together.

### 6.3.3.3. Checking the P.C.B B unit



#### ■What to check/Method

##### <Check 1> Checking the insertion, connection and conduction conditions of the connector housing

- Make a visual check of whether the connector housing from the P.C.B A unit is properly inserted and connected.
- Check that there is no burnout or poor connection, etc. of lead wires from the P.C.B A unit by performing a conduction check using a tester.

##### <Check 2> Visual check of the P.C.B B unit for any cracking, damaged electrical components, poor soldering, broken traces, etc.

##### <Check 3> Measuring resistance value at P.C.B B unit connectors



- Measure the resistance value at connector CN700 (between pin 3 and pin 4) when the “BRUSH OFF/ON”, “AUTO/HIGH” and “OFF” switches are pressed.

Resistance value when “BRUSH OFF/ON” switch is pressed ==>  $2.13\text{k}\Omega \pm 0.2\text{k}\Omega$

Resistance value when “AUTO/HIGH” switch is pressed ==>  $330\Omega \pm 30\Omega$

Resistance value when “OFF” switch is pressed ==>  $0\Omega$  to  $30\Omega$

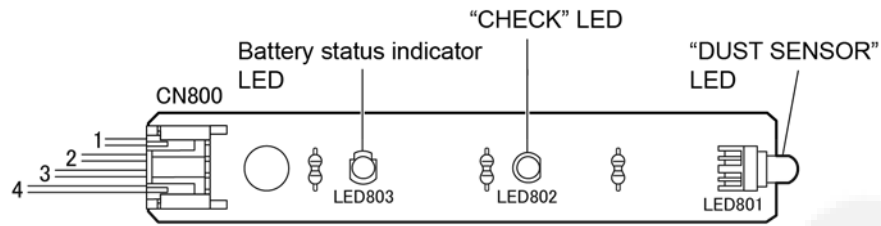
\*If the results of <Check 1>, <Check 2> and <Check 3> are normal, there may be an abnormality in the P.C.B A unit.

 <b>Warning</b>	
	If there are any damaged electrical components or broken traces on the completed control unit, replace the circuit unit rather than attempting to repair and reuse it.

#### ■Action

- Securely connect connector housings.
- Replacing the P.C.B B unit

#### 6.3.3.4. Checking the P.C.B K unit



##### ■What to check/Method

##### <Check 1> Checking the insertion, connection and conduction conditions of the connector housing

- Make a visual check of whether the connector housing from the P.C.B A unit is properly inserted and connected.
- Check that there is no burnout or poor connection, etc. of lead wires from the P.C.B A unit by performing a conduction check using a tester.

##### <Check 2> Visual check of the P.C.B K unit for any cracking, damaged electrical components, poor soldering, broken trances, etc.

##### <Check 3> Method for checking illumination of the "DUST SENSOR" lamp



- Connect a dry battery (3-line series/positive electrode to pin 4) to the P.C.B K unit connector CN800 (between pin 4 and pin 1) and check that the LED lights up.
- \*If the "DUST SENSOR" lamp lights up and the results of <Check 1> and <Check 2> are normal, there may be an abnormality in the P.C.B A unit.

##### <Check 4> Method for checking illumination of the "CHECK" lamp

- Connect a dry battery (3-line series/positive electrode to pin 4) to the P.C.B K unit connector CN800 (between pin 4 and pin 2) and check that the LED lights up.
- \*If the "CHECK" lamp lights up and the results of <Check 1> and <Check 2> are normal, there may be an abnormality in the P.C.B A unit.

##### <Check 5> Method for checking illumination of the battery status indicator lamp

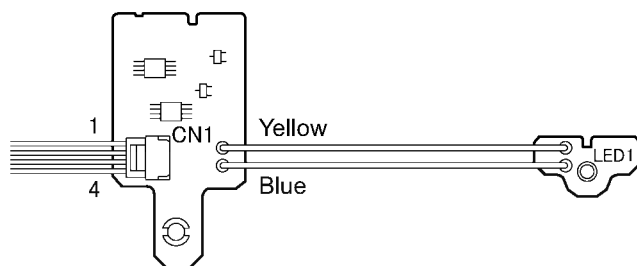
- Connect a dry battery (3-line series/positive electrode to pin 4) to the P.C.B K unit connector CN800 (between pin 4 and pin 3) and check that the LED lights up.
- \*If the battery status indicator lamp lights up and the results of <Check 1> and <Check 2> are normal, there may be an abnormality in the P.C.B A unit.

 <b>Warning</b>	
	If there are any damaged electrical components or broken traces on the completed control unit, replace the circuit unit rather than attempting to repair and reuse it.

##### ■Action

- Securely connect connector housings.
- Replacing the P.C.B K unit

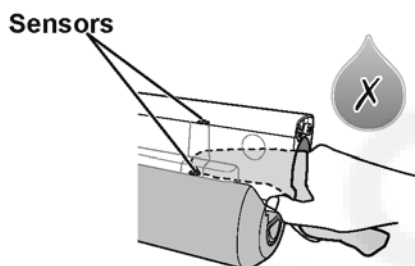
### 6.3.3.5. Checking the dust sensor (P.C.B D unit)



#### ■What to check/Method

##### <Check 1> Checking the Front body assy dust sensor

- Check that there lint, hair, dust or foreign objects clinging to the sensor.





##### <Check 2> Checking the insertion, connection and conduction conditions of the connector housing

- Make a visual check of whether the Lead wire A assy connector housing is properly inserted and connected.
- Check that there is no burnout or poor connection, etc. of lead wires AU by performing a conduction check using a tester.

##### <Check 3> Checking the condition of soldering on soldered lead wires/connector housing

- Make a visual check of soldered lead wires/connector housing for poor soldering, broken trances, etc.
- Check that there is no burnout or poor connection, etc. of lead wires by performing a conduction check using a tester.

##### <Check 4> Visual check of the P.C.B for any cracking, damaged electrical components, poor soldering, broken trances, etc.

 <b>Warning</b>	
	If there are any damaged electrical components or broken traces on the completed control unit, replace the circuit unit rather than attempting to repair and reuse it.

#### ■Action

- Securely connect connector housings.
- Replacing the P.C.B D unit

### 6.3.3.6. Checking Lead wire A assy

#### ■What to check/Method

##### <Check 1> Checking for deformity of lead wires and connectors

- Make a visual check for any damage, deformity (compression) or breakage of lead wires and connectors.
- Check that there is no burnout or poor connection, etc. of lead wires by performing a conduction check using a tester.

##### <Check 2> Checking the condition of soldering on soldered lead wires/connector housing

- Make a visual check of soldered lead wires for poor soldering, broken trances, etc.
- Check that there is no burnout or poor connection, etc. of lead wires by performing a conduction check using a tester.

#### ■Action

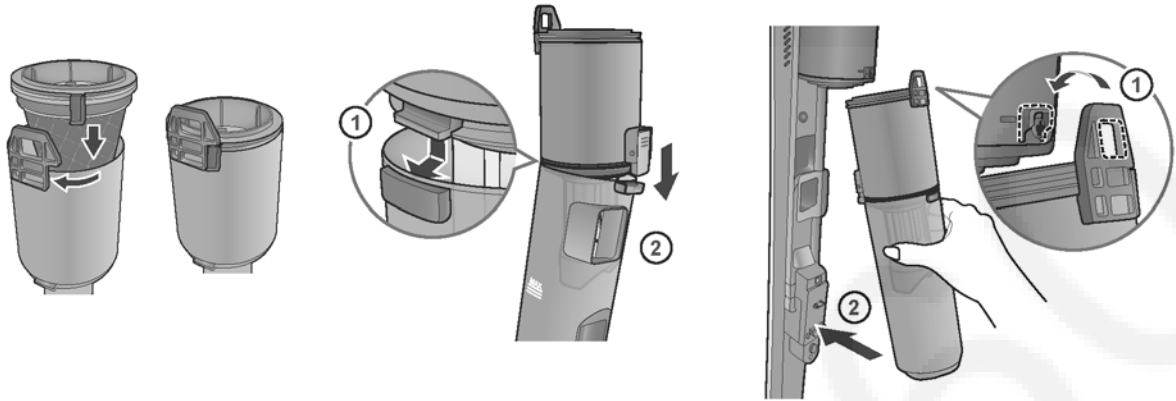
- Securely connect connector housings.
- Replacing Lead wire A assy

### 6.3.3.7. Checking the dust box

#### ■What to check/Method

##### <Check 1> Checking how the dust box is set in the main unit

- If the dust box is not properly set, the vacuum cleaner will not be able to suck up dust.



##### <Check 2> Checking that the dust box is not full

\*If there is a lot of pet hair or lint, the “CHECK” lamp may not light up even when the dust box is full.

\*The “CHECK” lamp will light up when the cleaner is operating in “HIGH” mode, but will not light up during operation in “AUTO” mode.

##### <Check 3> Checking each of the filters (net filter, sponge filter, filter) for any waste or dust that may be clogging them

\*If there is a lot of grit or grainy dust and there is waste blocking the Power nozzle or Extension wand, or the Crevice tool or the Dusting brush is being used, the “CHECK” lamp may light up even when there is only a little dust in the dust box.

\*The “CHECK” lamp will light up when the cleaner is operating in “HIGH” mode, but will not light up during operation in “AUTO” mode.

#### ■Action

- Empty out the contents of the dust box.
- Wipe off any waste or dust from each of the filters (net filter, sponge filter, filter).
- Clean each of the filters. (Refer to the operating instructions.)

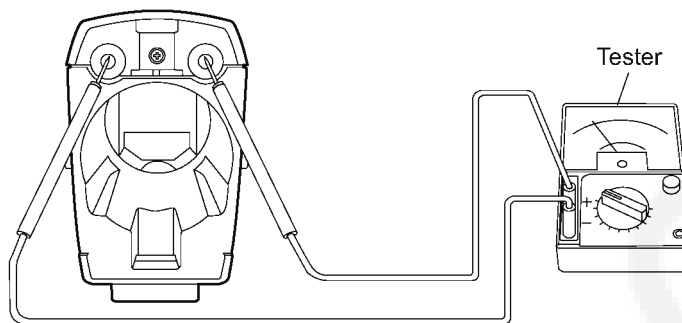
## 6.3.4. Diagnosis for Power nozzle/Extension wand

### 6.3.4.1. Checking the Nozzle motor unit

#### ■What to check/Method

##### <Check 1> Checking the voltage between the Power nozzle connection terminals of the main unit

- Measure the voltage between the terminals on the underside of the main unit and if it exceeds DC 18.0 V, inspect the Power nozzle.

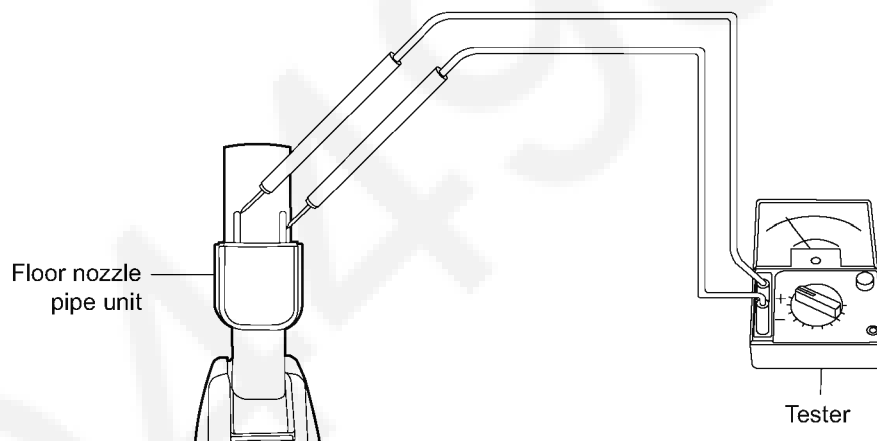


##### <Check 2> Conduction check of Power nozzle

- Check the conduction between the connection terminals of the Floor nozzle pipe unit using a tester.  
\*Perform measurement with the roller switch on the underside of the Power nozzle in the ON position (roller is lowered to the floor).

##### <Check 3> Checking the conduction and condition of soldering of lead wires

- Check that there is no burnout or poor connection of lead wires by performing a conduction check using a tester.



	<b>Warning</b>
	If the terminals are deformed, do not attempt to repair them.

	<b>Warning</b>
	When wiping dust or foreign objects from each of the terminal parts, be careful not to deform the terminals.

#### ■Action

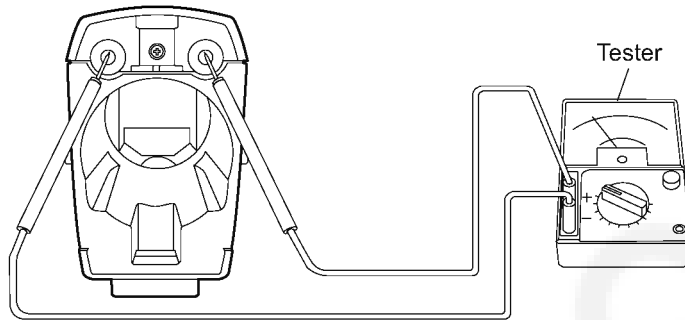
- Replacing the Nozzle motor unit

### 6.3.4.2. Checking the P.C.B E unit

#### ■What to check/Method

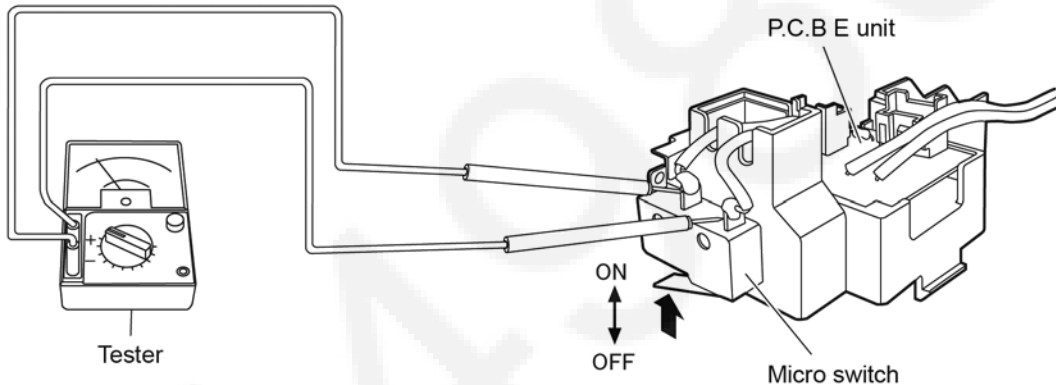
##### <Check 1> Check

- Measure the voltage between the terminals on the underside of the main unit and if it exceeds DC 18.0 V, inspect the Power nozzle.



##### <Check 2> Conduction check of micro-switch

- Check the conduction between the connection terminals of the micro-switch using a tester.
- \*Check conduction between the connection terminals with the micro-switch ON and OFF.



##### <Check 3> Checking the conduction and condition of soldering of lead wires

- Check that there is no burnout or poor connection of lead wires by performing a conduction check using a tester.

#### ■Action

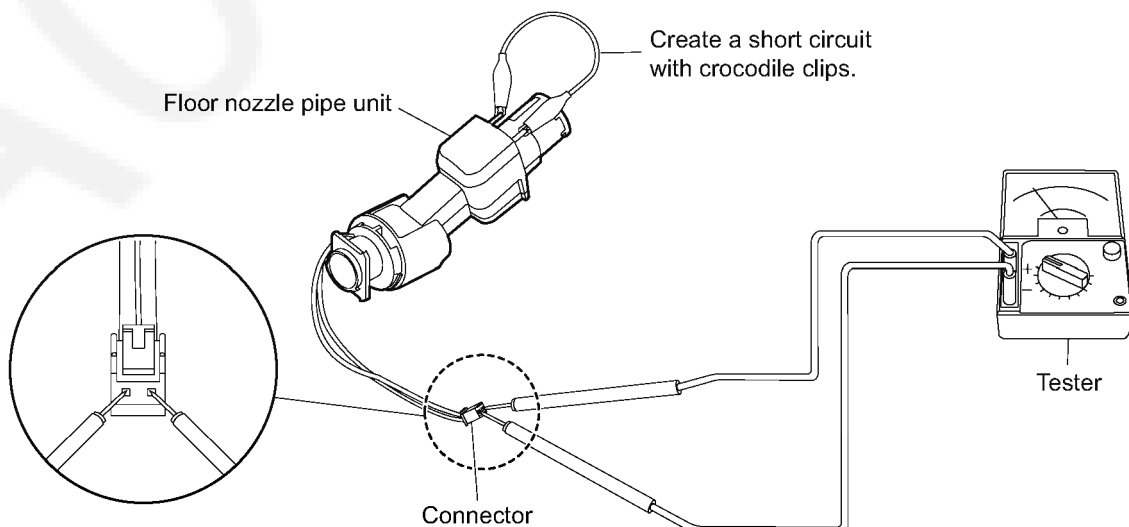
- Replacing the Nozzle motor unit

### 6.3.4.3. Checking the Floor nozzle pipe unit

#### ■What to check/Method

##### <Check 1> Conduction check of Floor nozzle pipe unit

- Check the conduction between the Floor nozzle pipe unit connection terminals and the P.C.B E unit connectors using a tester.



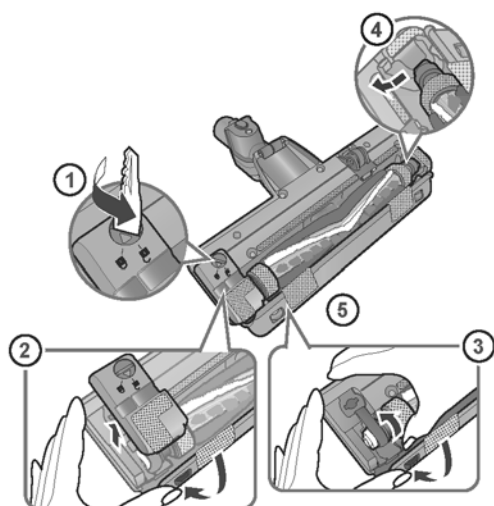
#### ■Action

- If there is no conduction, replace the Floor nozzle pipe unit.

#### 6.3.4.4. Checking the belt

##### ■What to check/Method

<Check 1> Visual check of the belt for any deformity, damaged (breakage) or wear



- ① Turn the latch located on the agitator cover to the unlock position.
- ② Press the shutter down. Remove agitator cover.
- ③ Press the shutter down. Lift the agitator end cap out.
- ④ Remove agitator.
- ⑤ Remove belt.

##### ■Action

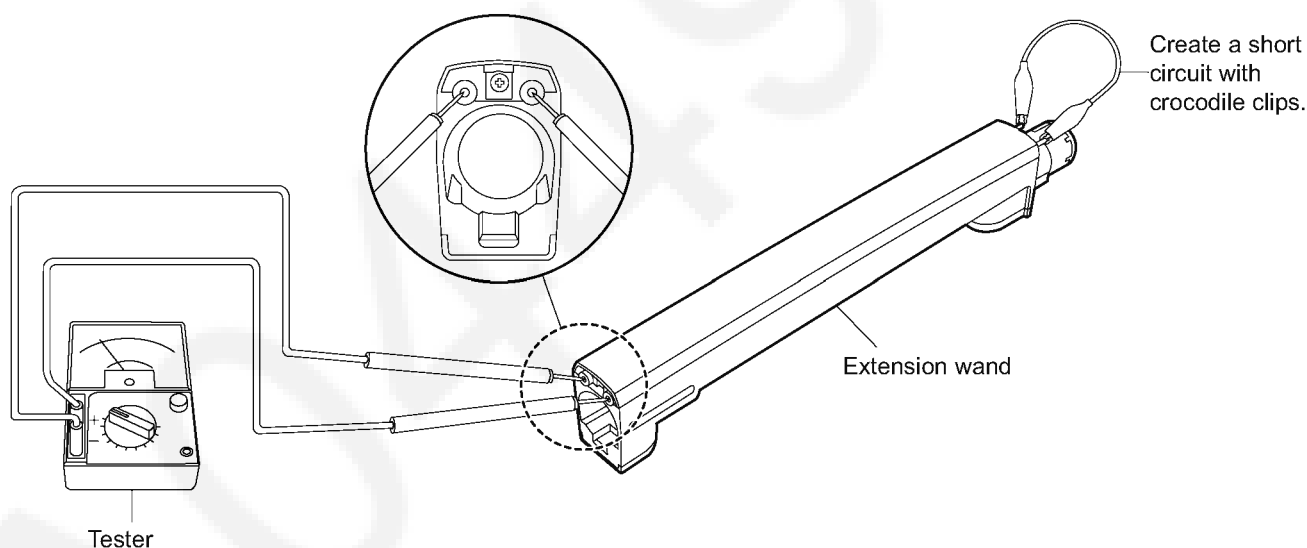
- Replacing the belt

#### 6.3.4.5. Checking the Extension wand

##### ■What to check/Method

<Check 1> Conduction check of Extension wand

- Check the conduction between the connection terminals of the Extension wand using a tester.



<Check 2> Checking the Extension wand for blockage, dust, or deformity

- Check that there is nothing blocking the inside of the Extension wand.
- Check whether there is any dirt or dust in the Extension wand connection terminals.
- Check whether there is any deformity, cracking or damage of the Extension wand.

	<b>Warning</b>
	If the terminals are deformed, do not attempt to repair them.



	<b>Warning</b>
	When wiping dust or foreign objects from each of the terminal parts, be careful not to deform the terminals.

##### ■Action

- If there is no conduction, replace the Extension wand.
- If there is any damage or deformity, replace the Extension wand.
- Other: Clean the parts.



## 7 Disassembly and Assembly Instructions

 <b>Warning</b>	
 Unplug the AC adapter	Unplug the AC adapter at the time of repair.
	To avoid electric shock or injury.
	Unplug the AC adapter before disassembly, assembly and replacing components. To avoid electric shock or injury.

 <b>Warning</b>
To prevent causing accidents during maintenance and ensure product safety after maintenance, the items that must be abided by will be described below:

### Precautions

1. When disassembling parts, first check the state of the assembled parts and the wiring (layout) and be sure to return them to their proper state after completion of repairs.
2. Handle disassembled parts and packing, etc. with care, and if anything becomes damaged replace it with a new part.
3. After completion of repairs, inspect the area around the repair site to make sure that nothing else has become degraded and that the wiring is all correct. Along with performing a test operation, make sure that the following safety items are secure.
  - Insulation resistance  
Check that insulation resistance is at least 10MΩ when a direct current of 500V is run between both terminals of the power cord and the DC plug.
  - Dielectric strength  
Check that it withstands the voltage when an alternating current of 3kV is run between both terminals of the power cord and the DC plug for one minute.
4. When carrying out repair services, do not modify any of the devices, components or materials.
5. If a wiring unit is provided as a spare part, even if only a part of the wiring is burnt out, do not attempt to repair and reconnect the wire, but replace the whole wiring unit.
6. Pull or push faston terminals straight off or on, without prying.
7. When handling the P.C.B, be careful not to press hard on any of the components.

## 7.1. Disassembly of the main unit

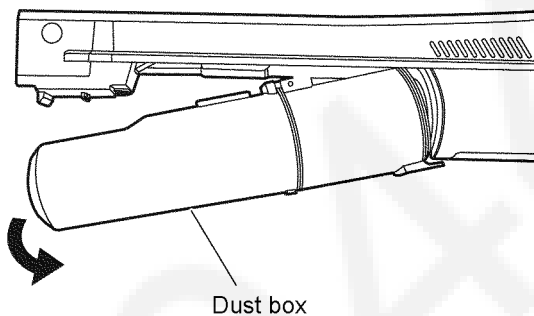
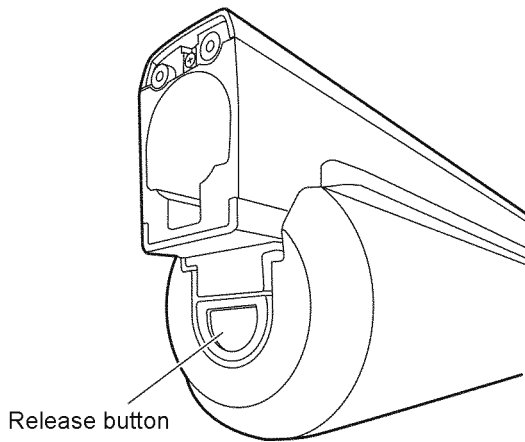
\*Before commencing disassembly work, verify that the Lithium-ion battery has been removed from the main unit.

### 7.1.1. Preparation

1. Detach the Power nozzle and Extension wand from the main unit.
2. Remove the dust box, the battery cover and the Lithium-ion battery.

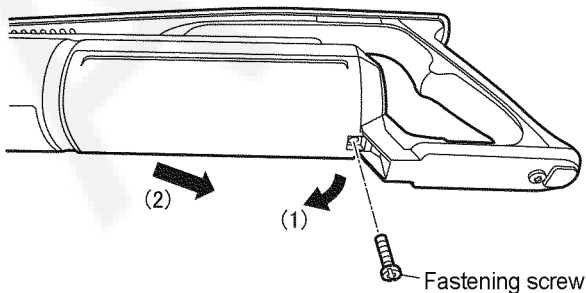
#### ■Dust box

- While pressing on the removal button at the bottom end of the dust box, pull the dust box up to remove it.

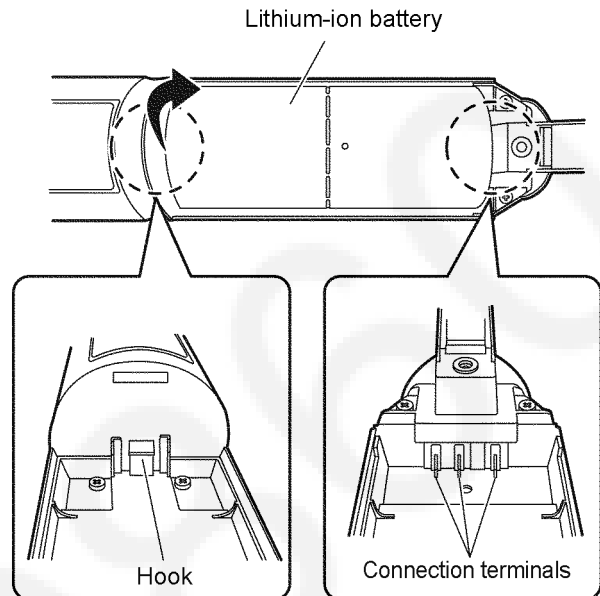


#### ■Lithium-ion battery

- Remove the fastening screw from the battery cover (1 screw), lift up the end with the screw hole, and slide it in the direction of the arrow to remove the cover.

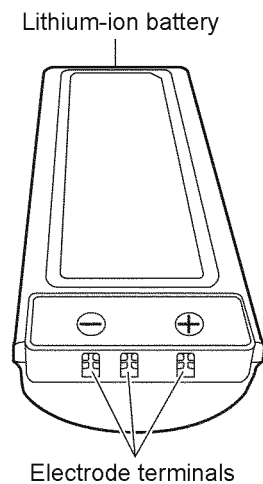


- Lift up the end with the hook, detach it from the connector and remove the Lithium-ion battery.



#### ■Caution

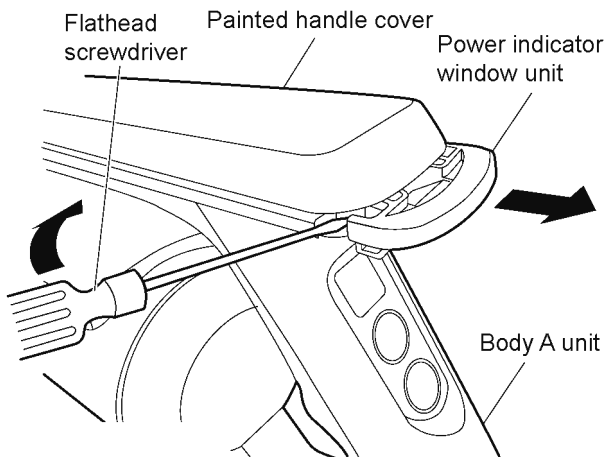
- Check that the Lithium-ion battery is not becoming hot or deformed or showing other symptoms.
- Be careful to avoid shorting the battery's electrode terminals.



### 7.1.2. Power indicator window unit

**\*The main unit can be disassembled by removing the Power indicator window unit and Painted handle cover.**

1. Insert a narrow flathead screwdriver or similar tool between the Painted handle cover and the Power indicator window unit and, using the screwdriver as a lever, remove the Power indicator window unit in the direction of the arrow.

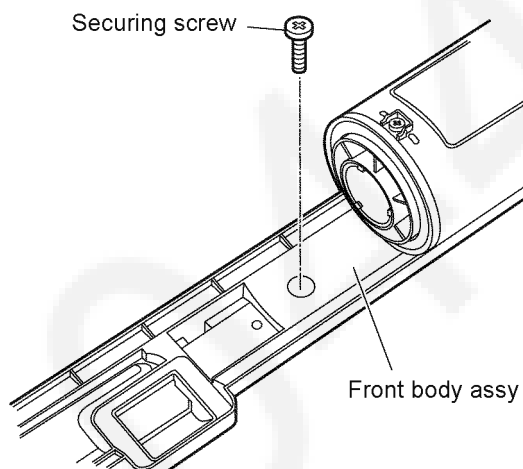


#### <Precautions when carrying out assembly>

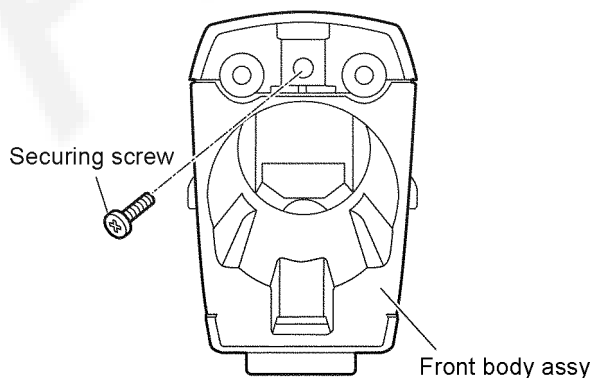
- After attaching the Painted handle cover to the body A unit, attach the Power indicator window unit.

### 7.1.3. Painted handle cover

1. Remove the Painted handle cover securing screw from the Front body assy dust box connection part (1 screw).

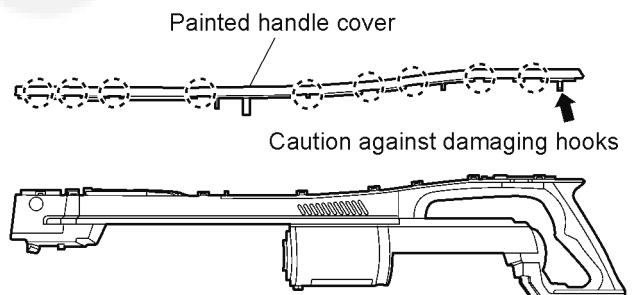
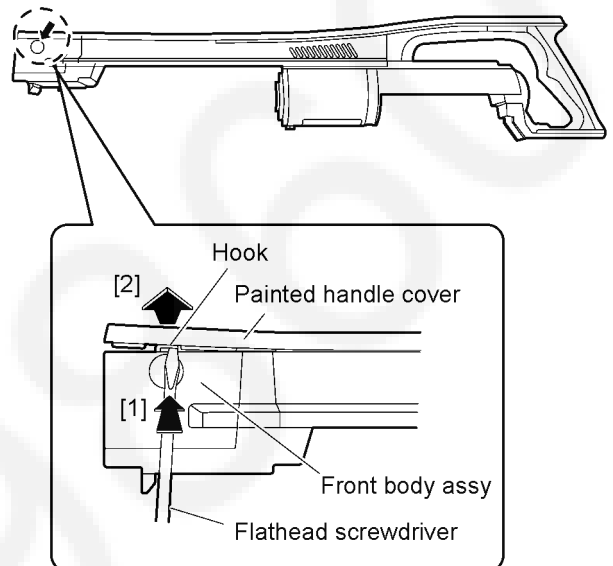


2. Remove the securing screw (1 screw) from the Painted handle cover on the Front body assy Extension wand connection part.



3. Using a flathead screwdriver on the hooks on either side of the Painted handle cover on the front of the Front body assy, release the hooks from the body A unit hook. In the same way, release each of the hooks on the Painted handle cover, starting at the front and working to the back.

- [1] Insert the tip of a flathead screwdriver so that it presses into the Front body assy, [2] then using the screwdriver as a lever, pull the hooks on the Painted handle cover outward and release them from the hook.

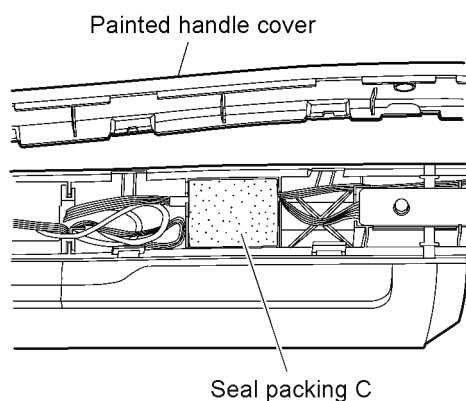


#### ■Caution

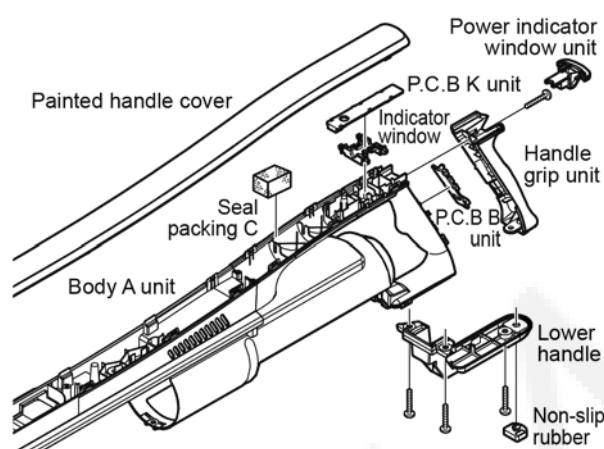
- Take care not to scratch the Painted handle cover or break the hooks.

#### <Precautions when carrying out assembly>

- Before attaching the Painted handle cover to the main unit, first check that the Seal packing C is fitted into place according to the diagram.

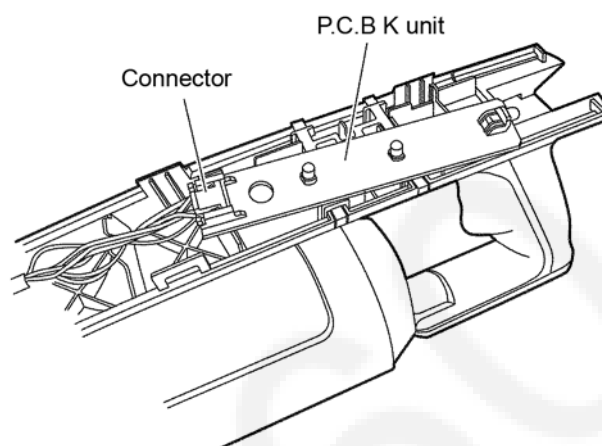


#### <<Body configuration>>



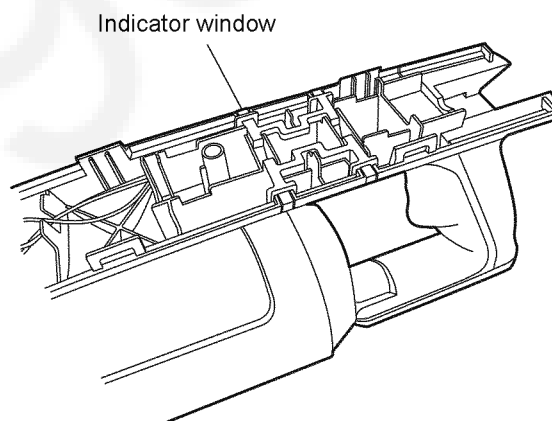
#### 7.1.4. P.C.B K unit

1. Remove the connectors and take out the P.C.B K unit.



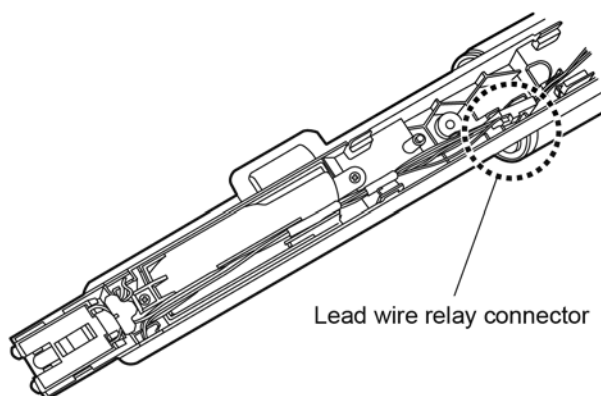
#### ■Caution

- When removing connectors, pull them straight out. If they are pried out, it may cause a break or poor contact of the lead wire.
- There is an indicator window (transparent part) under the P.C.B K unit. Be careful not to damage or lose the part.
- When assembling the product, install the indicator window before installing the P.C.B K unit.



### 7.1.5. Lead wire A assy, dust sensor

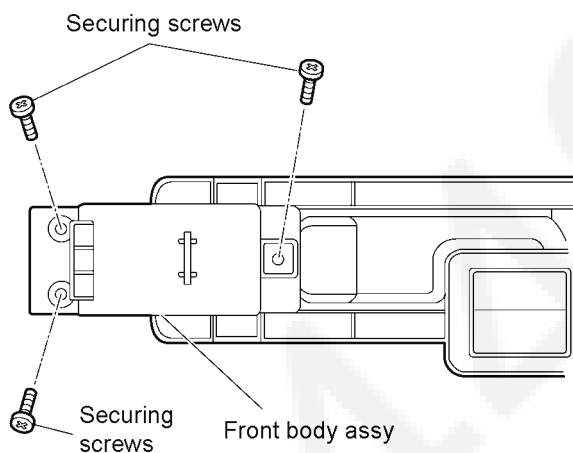
1. Remove the lead wire relay connectors.



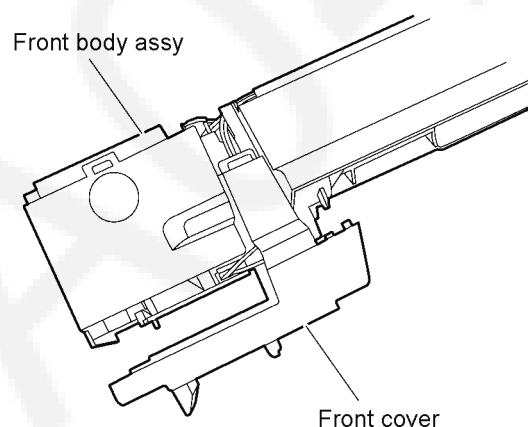
#### ■Caution

- When removing connectors, pull them straight out. If they are pried out, it may cause a break or poor contact of the lead wire.

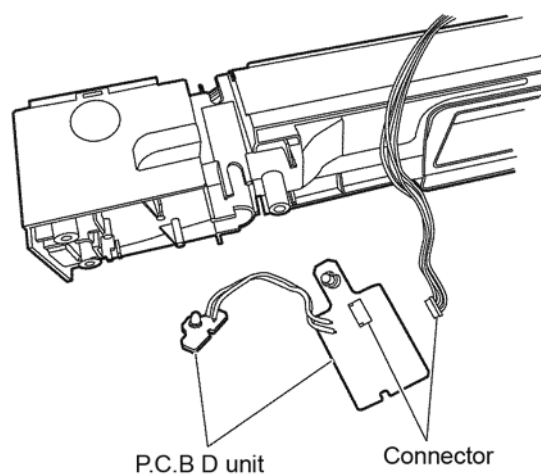
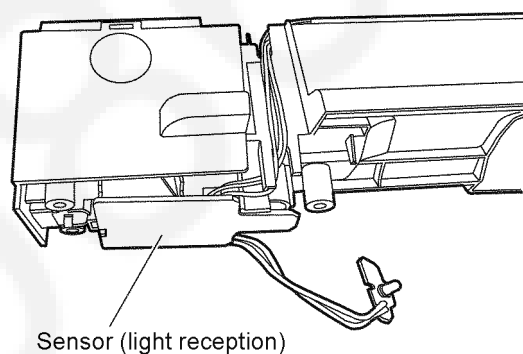
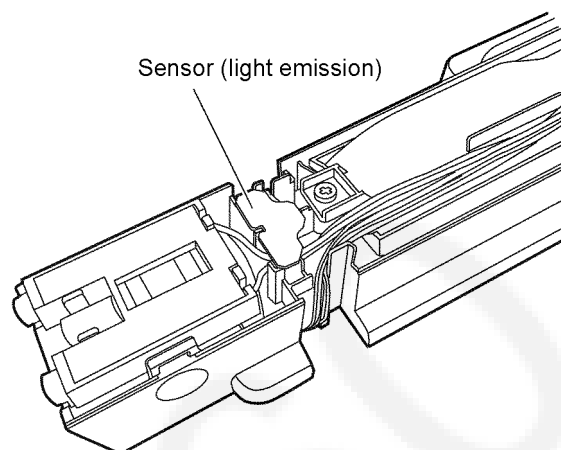
2. Remove the Front cover securing screws from the bottom of the Front body assy (3 screws).



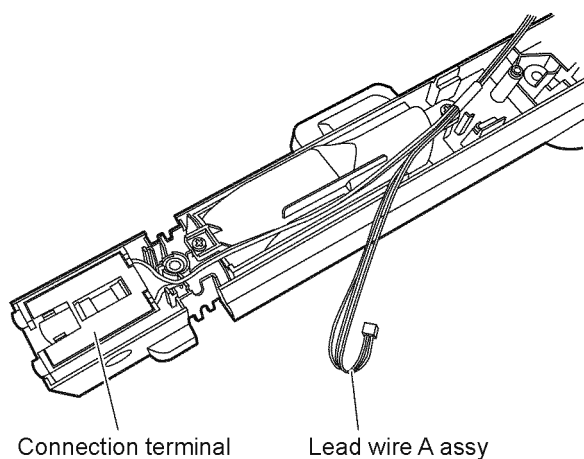
3. Remove the Front cover from the Front body assy.



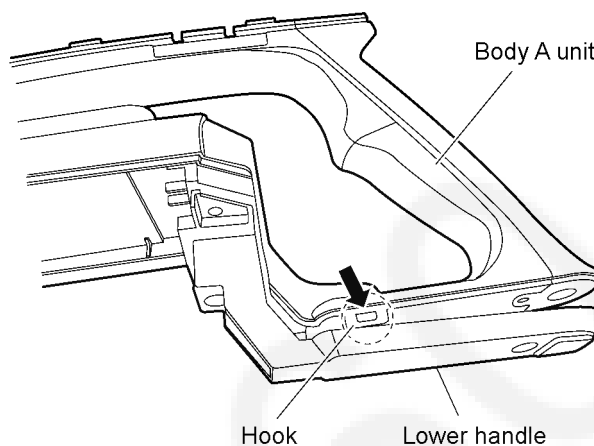
4. Remove the connectors from the P.C.B D unit.



5. Disconnect the Lead wire A assy and disconnect the connection terminals.

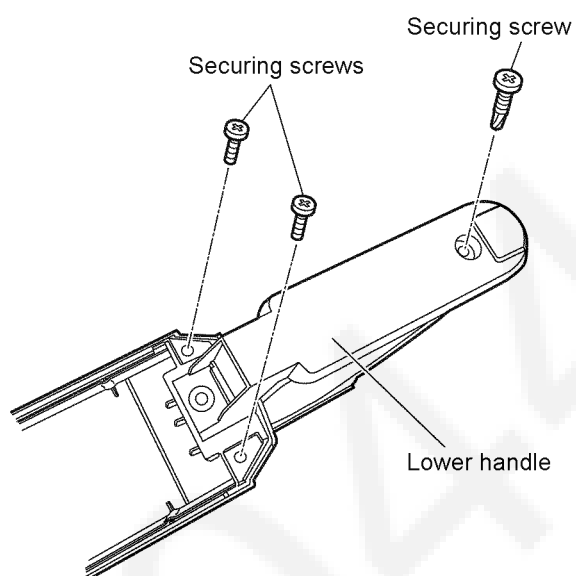


2. Disconnect the arrow hooks indicated in the diagram and remove the Lower handle from the body A unit.



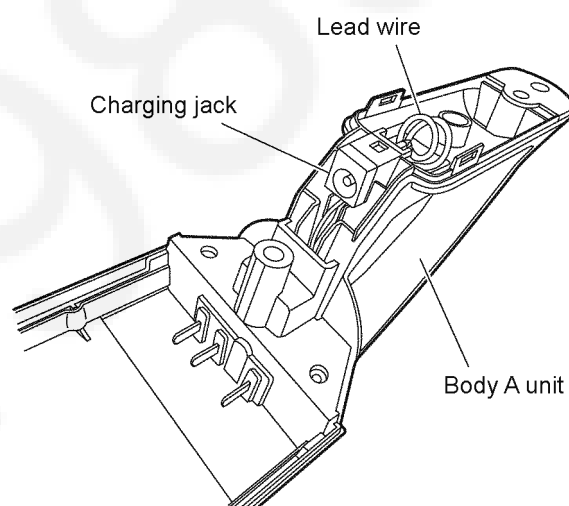
### 7.1.6. Lower handle

1. Remove the securing screws from the Lower handle (3 screws).



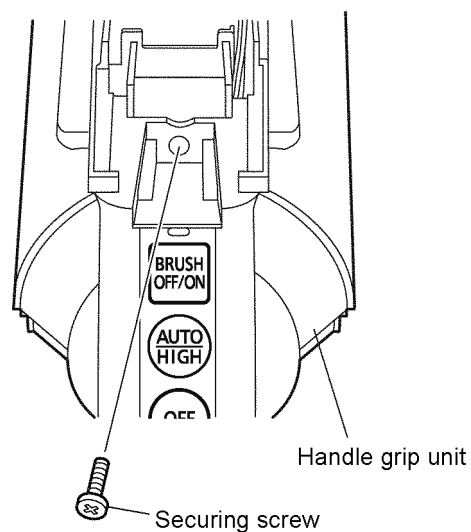
#### <Precautions when carrying out assembly>

- Make sure that the charging jack is properly set in the body A unit and is not caught in the Lower handle.

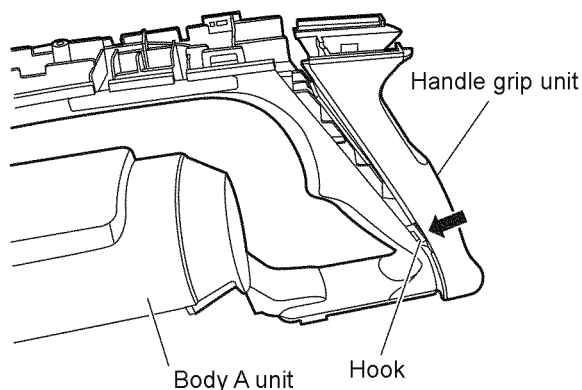


### 7.1.7. Handle grip unit

1. Remove the securing screw from the Handle grip unit (1 screw).



2. Insert a flathead screwdriver or similar tool into the arrow hooks indicated in the diagram and, using the screwdriver as a lever to pull the Handle grip unit to the outside, remove the hooks from the body A unit hook.

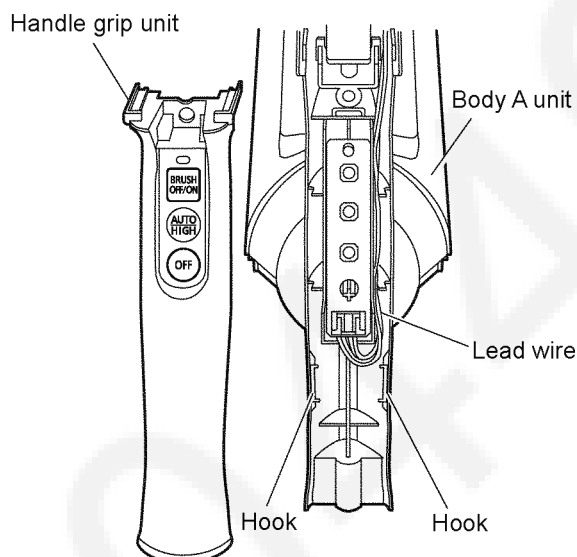


■Caution

- The handle grip is held in place by two hooks, on the left and right. Take care not to break the hooks.

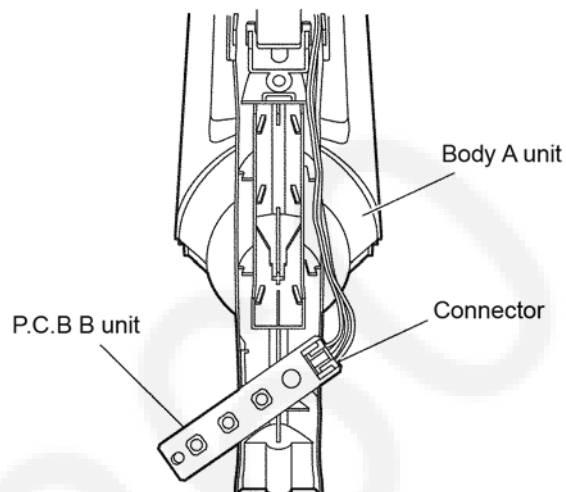
<Precautions when carrying out assembly>

- Take care that the lead wires do not become caught between the body A unit and the Handle grip unit.



## 7.1.8. P.C.B B unit

1. Take out the P.C.B B unit from the body A unit and remove the connectors.

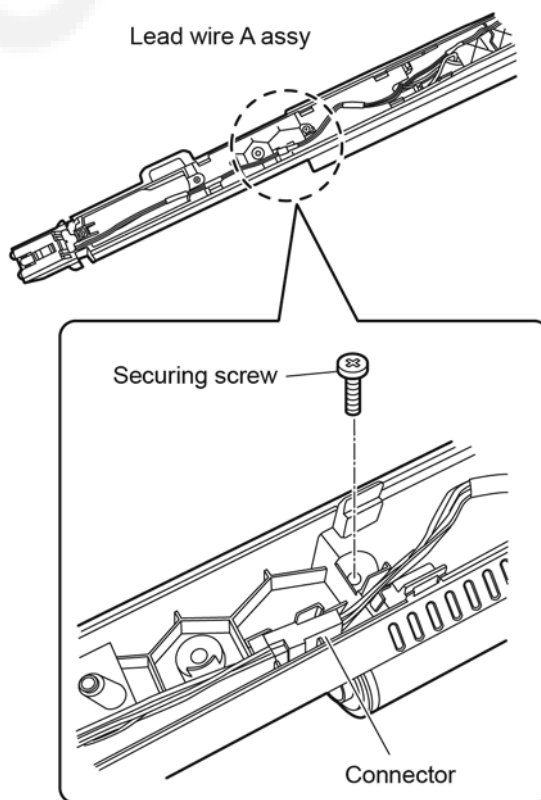


■Caution

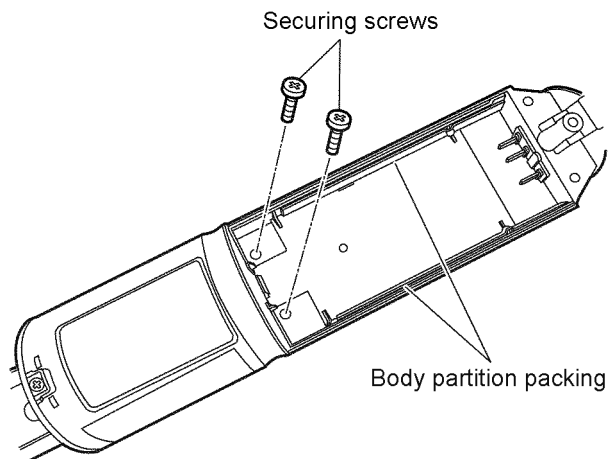
- When removing connectors, pull them straight out. If they are pried out, it may cause a break or poor contact of the lead wire.

## 7.1.9. Front body assy

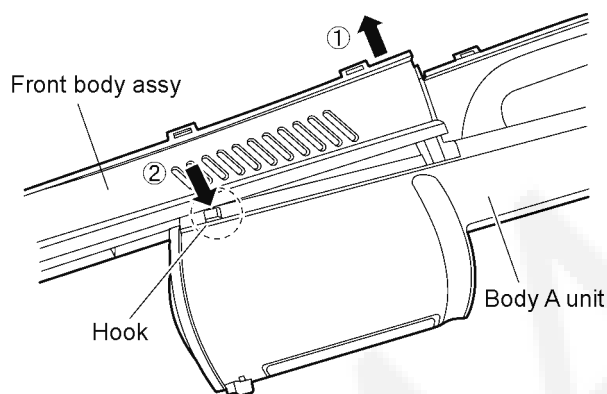
1. Disconnect the Lead wire A assy connector.
2. Remove the Front body assy securing screw on the side of the connector (1 screw).



3. Remove the Front body assy securing screws by the battery storage compartment (2 screws).

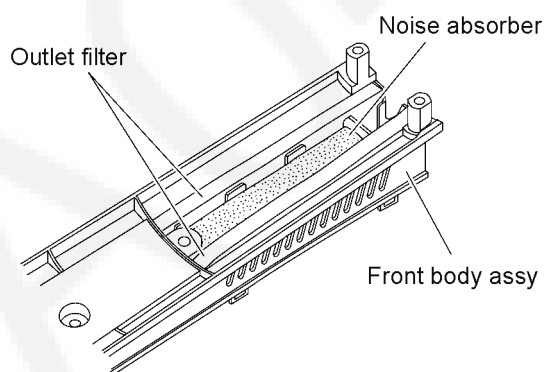


4. Slightly raise the Front body assy and, using a flathead screwdriver as a lever to release the hooks, remove the Front body assy from the body A unit.



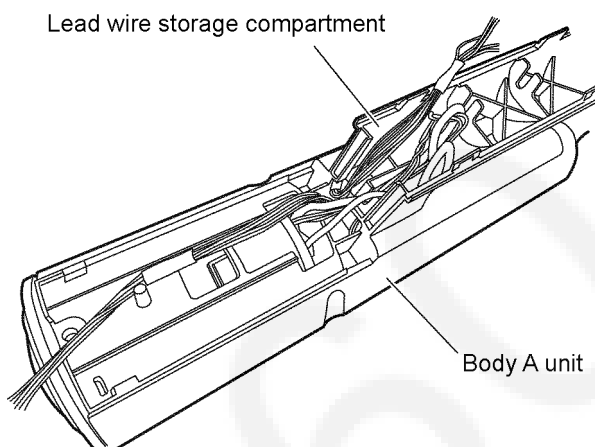
#### <Precautions when carrying out assembly>

- Carry out assembly after first making sure to attach the outlet filters (2 filters) and noise absorber to the Front body assy.

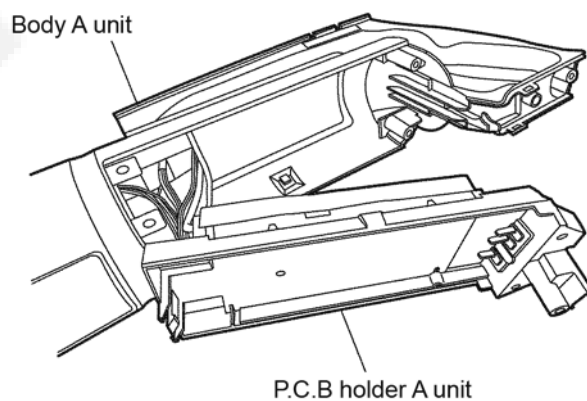
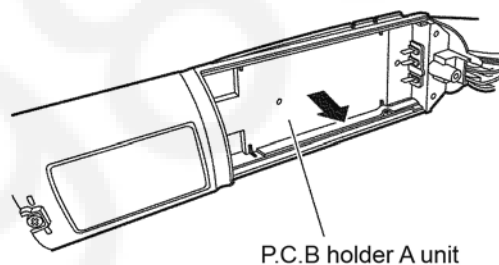


### 7.1.10. P.C.B A unit

1. Pull out the lead wires from the storage compartment on the upper part of the body A unit.



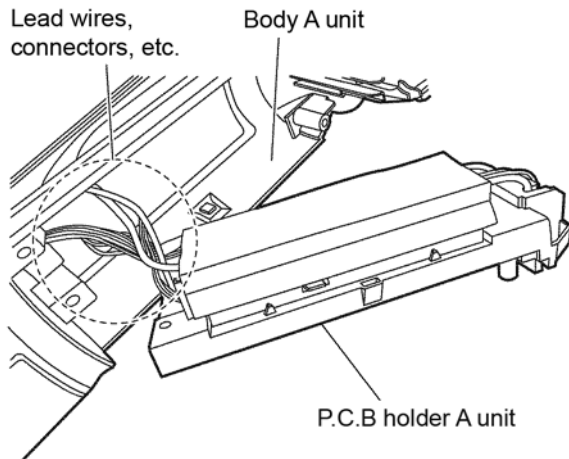
2. Remove the printed P.C.B holder A unit (P.C.B A unit) from the body A unit (battery storage compartment).



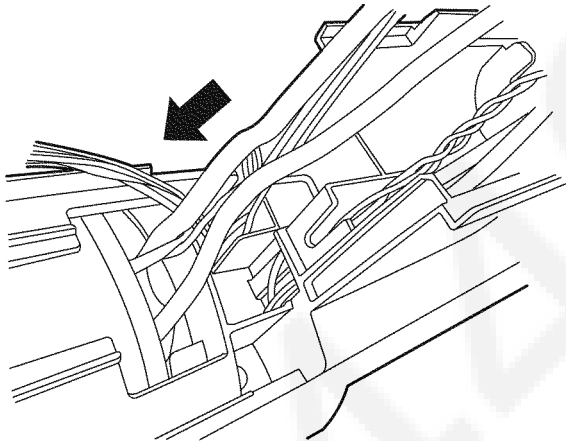


### ■Caution

- Do not force the P.C.B holder A unit when removing it from the body A unit. There is a risk that lead wires, connectors, etc. may become broken or deformed.

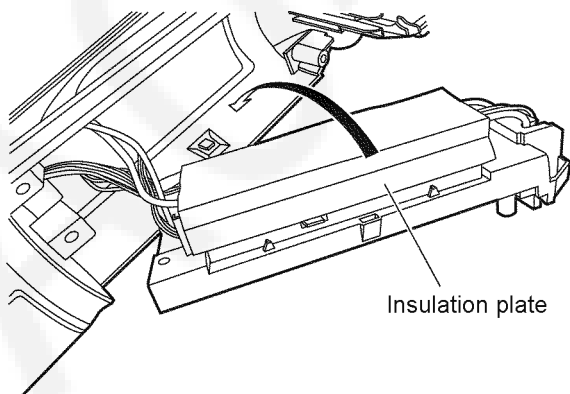


- The P.C.B holder A unit can be easily taken out if the lead wires are fed through as shown in the diagram.

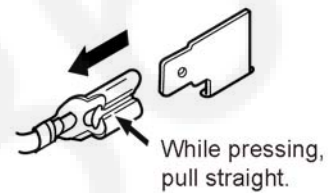
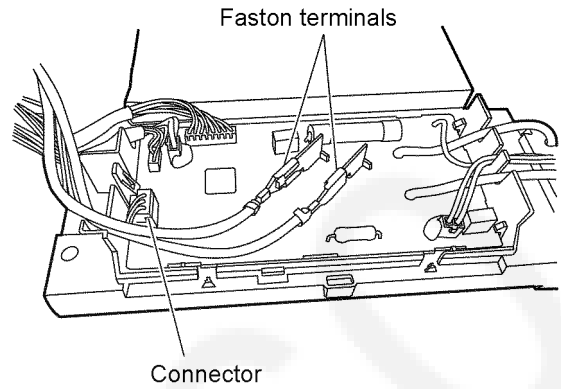


### 3. Open up the insulation plate.

\*One side is secured.



### 4. Disconnect the connectors and faston terminals from the P.C.B A unit (2 points).



 <b>Warning</b>	
	<p>When connecting or disconnecting a Fast-on terminal, apply straight force without tweaking.</p>

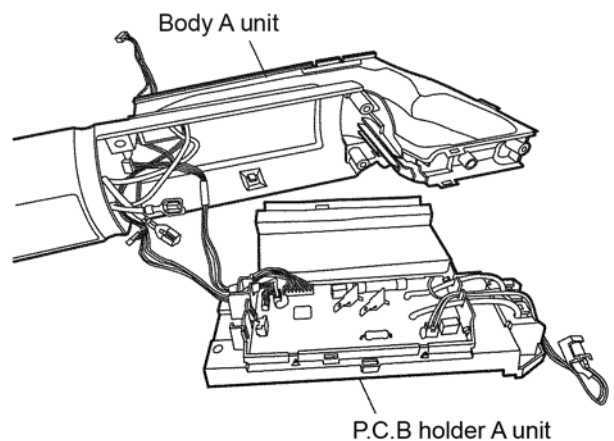
#### • Insertion

When fitting together the connector on the main unit end (female end) and the tab (male end), hold the connector and push it directly onto the tab. If the connector is pushed on from an angle or is pushed on while being twisted, it may cause deformities or poor connection.

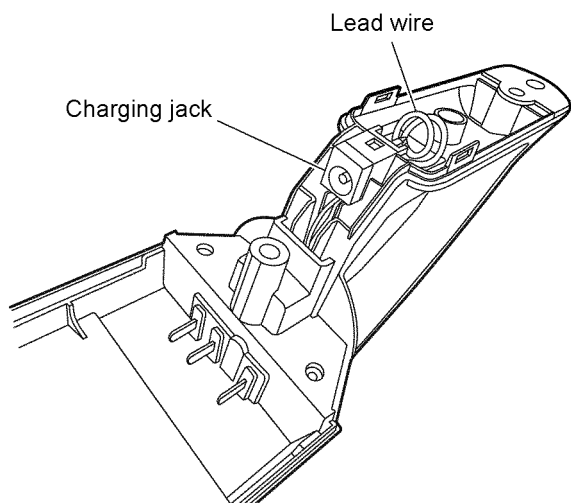
#### • Removal

When removing the connector from the tab, pull it straight off. When removing it, do not pry it out. Doing so may cause deformities.

### 5. Remove the lead wires of the P.C.B B unit and P.C.B K unit from the body A unit and remove the P.C.B holder A unit.

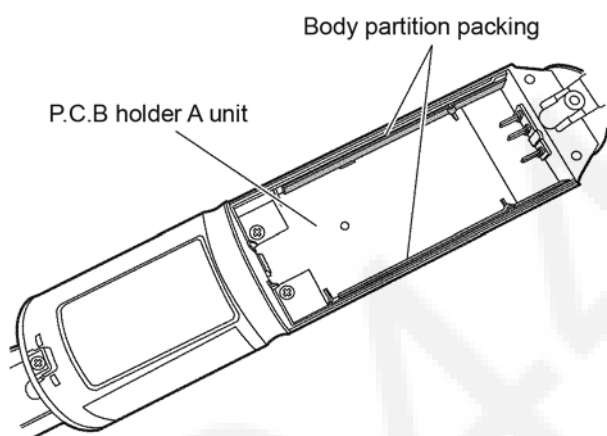


- Arrange the charging jack and other lead wires in their original positions.



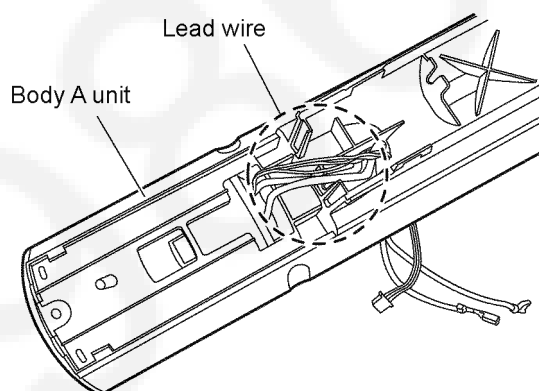
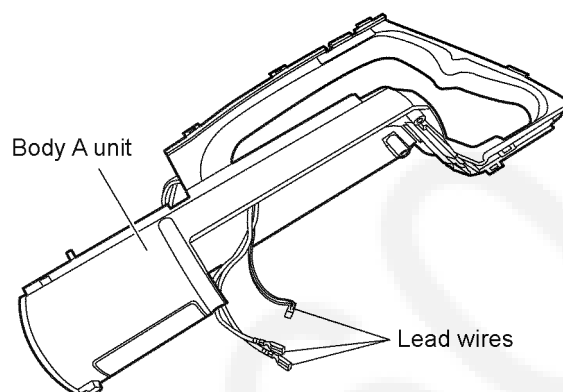
#### <Precautions when carrying out assembly>

- When replacing the P.C.B holder A unit, affix the Body partition packing. The P.C.B holder A unit and Body partition packing are separate components.

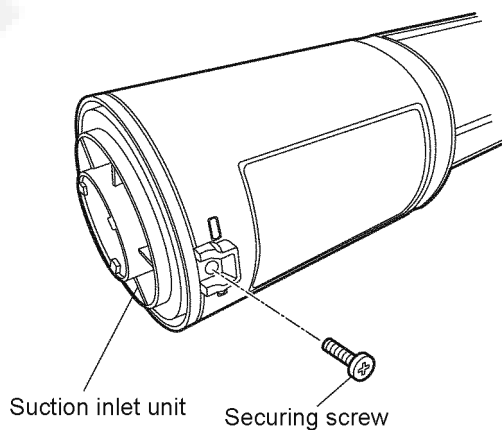


### 7.1.11. Motor assy

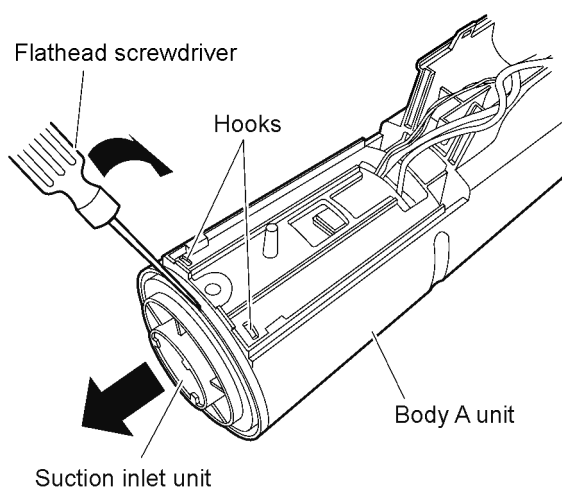
1. Disconnect the Motor assy lead wires from the body A unit.



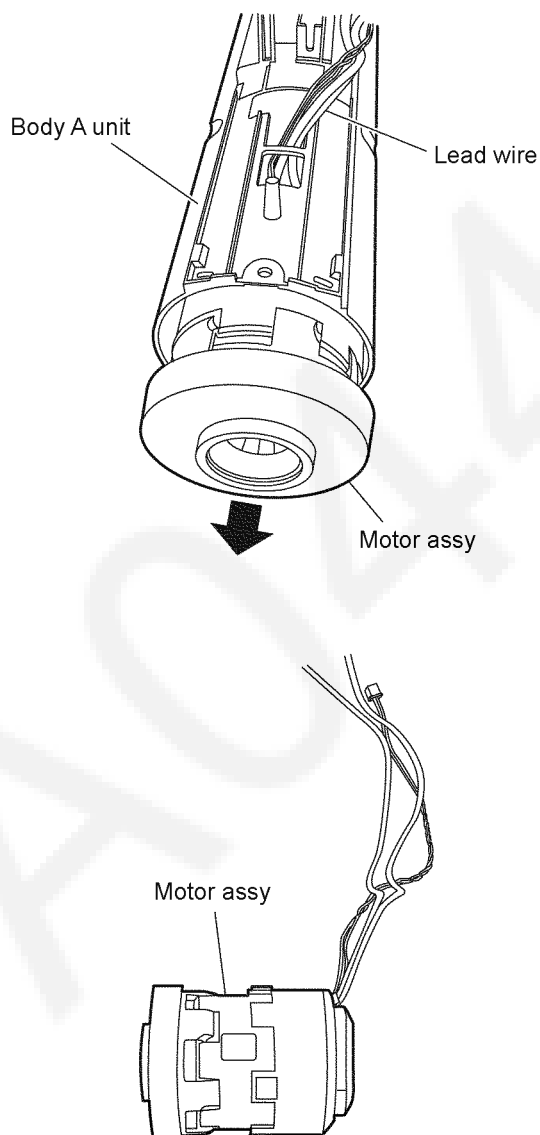
2. Remove the Suction inlet unit securing screw (1 screw).



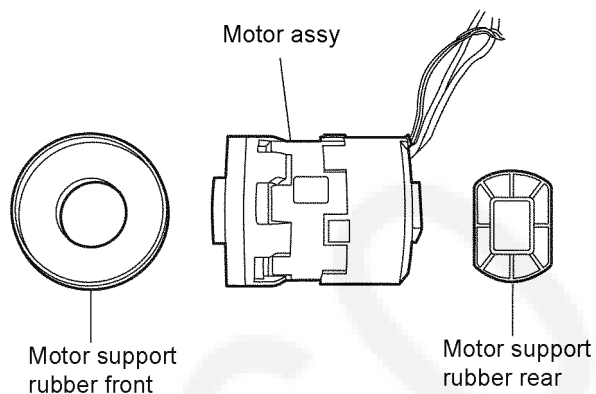
3. Using a flathead screwdriver or similar tool to widen the body A unit, release the hooks and take out the Suction inlet unit.



4. Remove the Motor assy from the body A unit.



5. Remove the Motor support rubber front and Motor support rubber rear from the Motor assy.

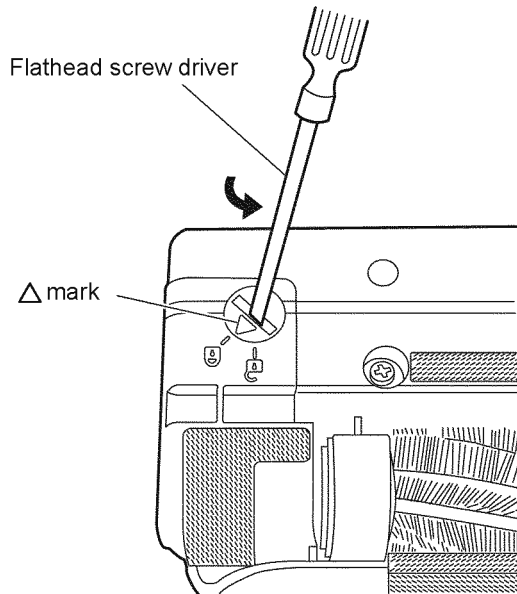


## 7.2. Disassembly of the Power nozzle

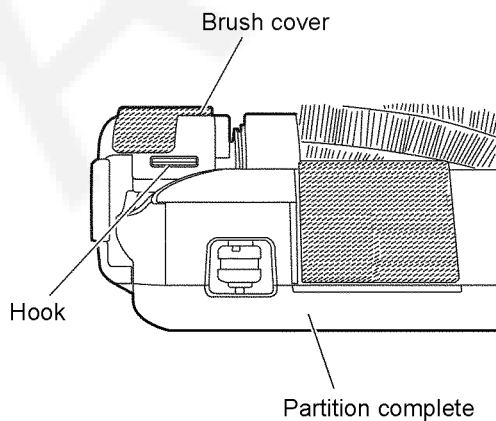
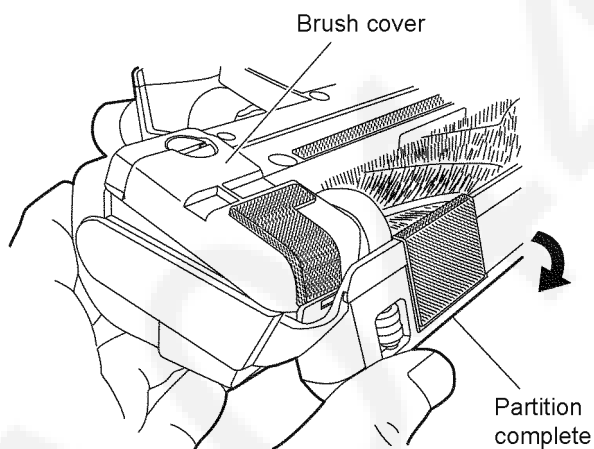
■The Power nozzle is specialized for MC-BJ870 (direct current). Do not replace it with a component from another model.

### 7.2.1. Brush cover

1. Turn over the Power nozzle and move the  $\Delta$  mark to the "UNLOCK" position using a flathead screwdriver or similar tool.

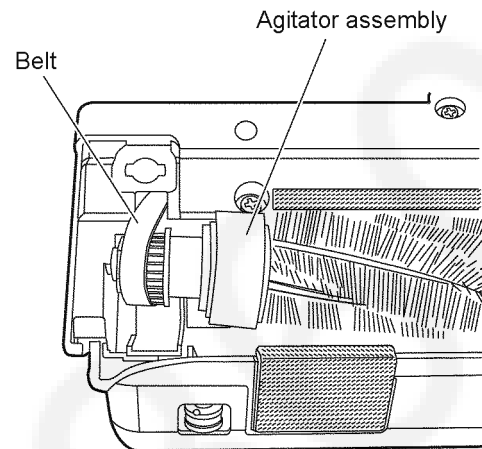


2. Open the Partition complete and remove the Brush cover from the Floor nozzle lower unit.



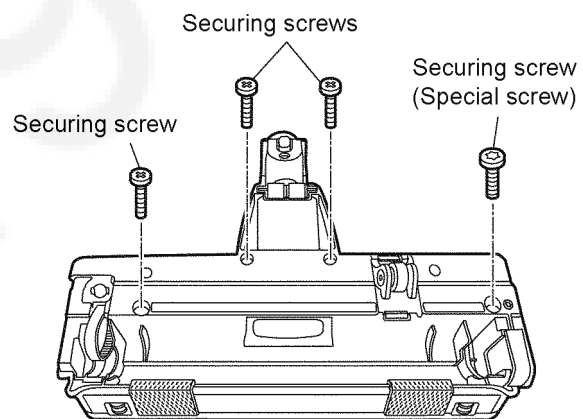
### 7.2.2. Agitator assembly

1. Lift up the Agitator assembly and remove the belt, then remove the Agitator assembly.



### 7.2.3. Floor nozzle upper assy

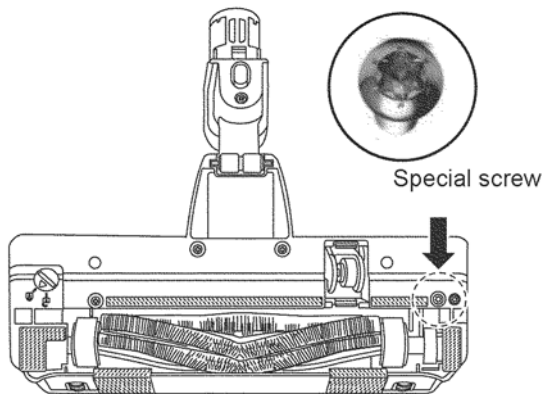
1. Remove the securing screws from the bottom of the Power nozzle (4 screws including 1 special screw).



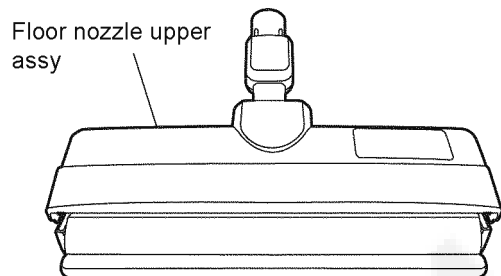
#### ■Special screw

The screws used to attach the Floor nozzle lower unit include one special screw as shown in the diagram below.

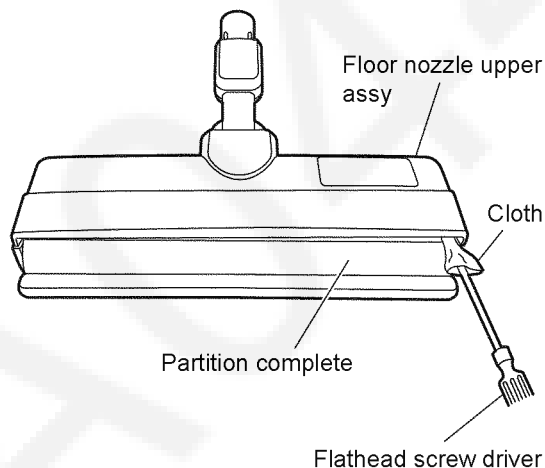
Use a Torx screwdriver to remove the special screw.



2. Turn the Power nozzle upright again and remove the Floor nozzle upper assy.

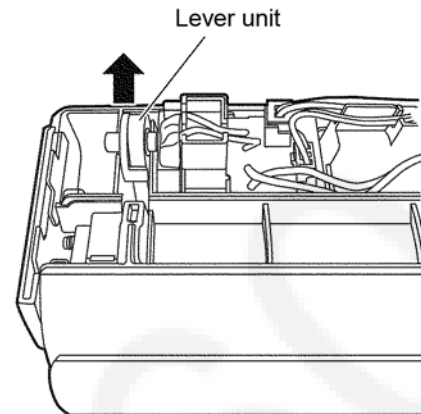


\*It can be easily removed by wrapping a piece of cloth around a flathead screwdriver, inserting it into the space between the Partition complete and Floor nozzle upper assy, and slowly and carefully prying them apart.



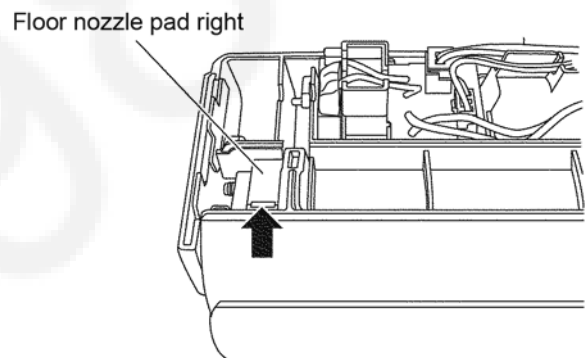
#### 7.2.4. Lever unit

1. Remove the Lever unit in the direction of the arrow.



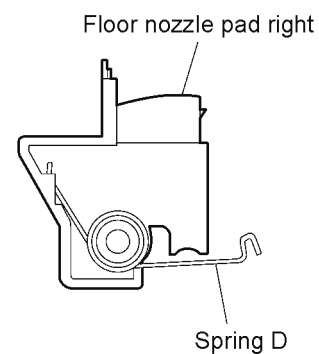
#### 7.2.5. Floor nozzle pad right

1. Insert a flathead screwdriver into the place indicated with the arrows on the diagram and remove the Floor nozzle pad right from the Floor nozzle lower unit.



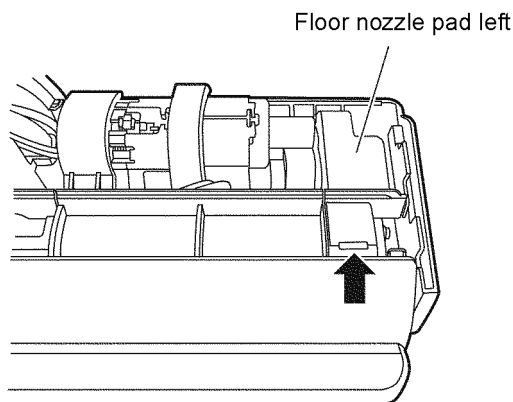
#### ■Caution

- When removing the Floor nozzle pad right, be careful that the Spring D within does not spring out and become lost. If the Spring D falls out of place, place it back as shown in the diagram.
- Be careful not to mix up Spring B and Spring D when setting the springs. If left and right are mixed up, it will not function properly.



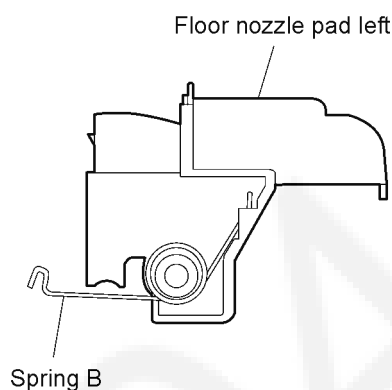
### 7.2.6. Floor nozzle pad left

1. Insert a flathead screwdriver into the place indicated with the arrows on the diagram and remove the Floor nozzle pad left from the Floor nozzle lower unit.



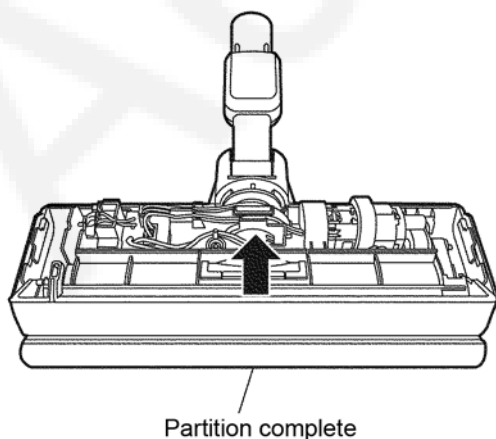
#### ■Caution

- When removing the Floor nozzle pad left, be careful that the Spring B within does not spring out and become lost. If the Spring B falls out of place, place it back as shown in the diagram.
- Be careful not to mix up Spring B and Spring D when setting the springs. If left and right are mixed up, it will not function properly.



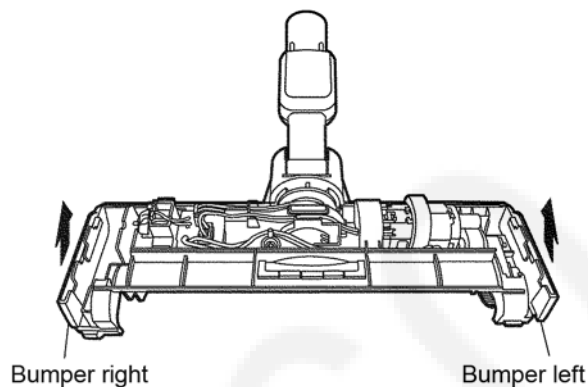
### 7.2.7. Partition complete

1. Pull up the Partition complete to remove it.



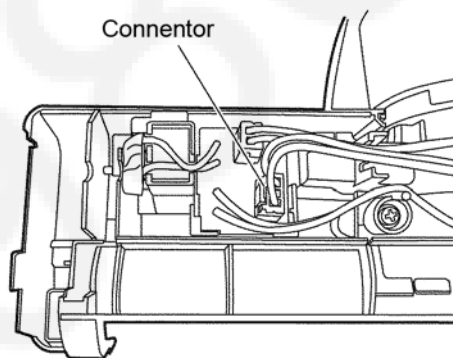
### 7.2.8. Bumpers (left/right)

1. Remove the Bumpers (left and right).



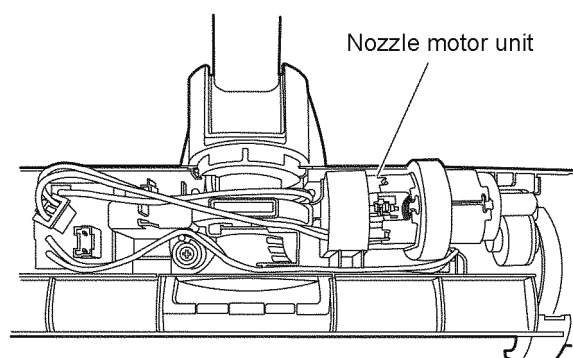
### 7.2.9. Nozzle motor unit

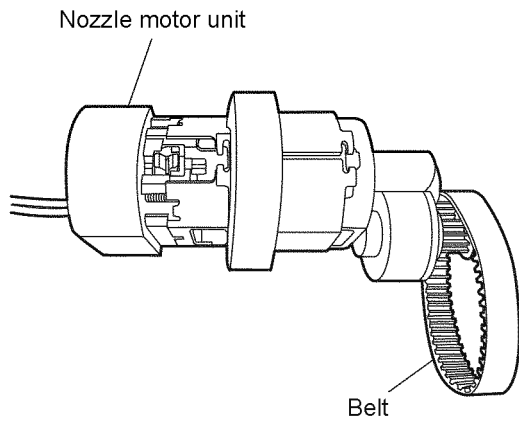
1. Remove the Nozzle motor unit connector from the P.C.B E unit.



#### ■Caution

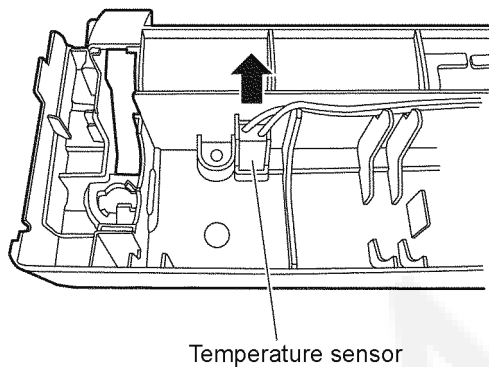
- When removing connectors, pull them straight out. If they are pried out, it may cause a break or poor contact of the lead wire.
2. Remove the Nozzle motor unit.



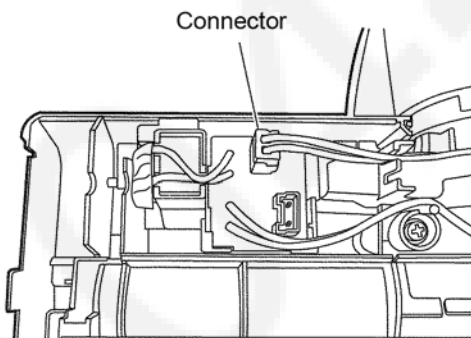


### 7.2.10. Floor nozzle pipe unit

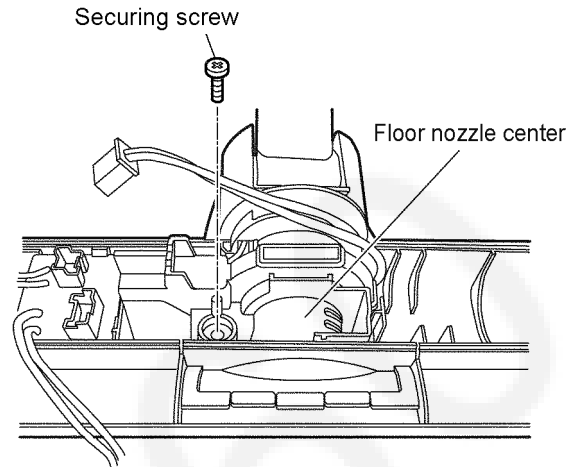
1. Remove the temperature sensor (Nozzle motor unit).



2. Remove the Floor nozzle pipe unit connector from the P.C.B E unit.

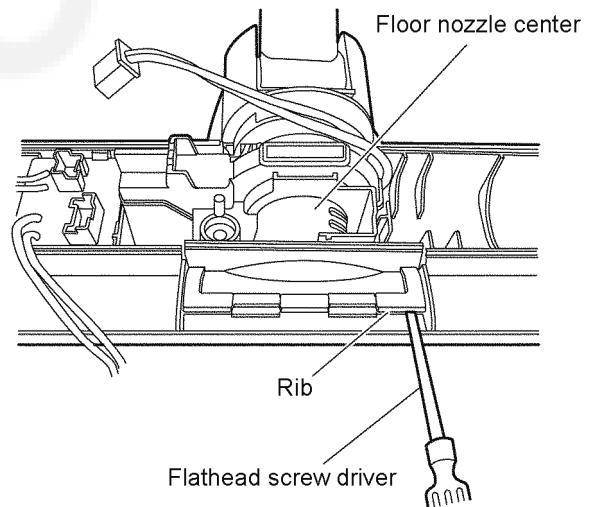


3. Remove the securing screw (1 screw) and remove the Floor nozzle center.

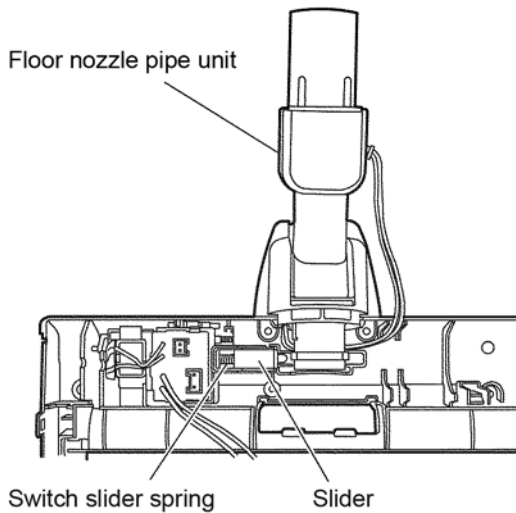


#### ■Caution

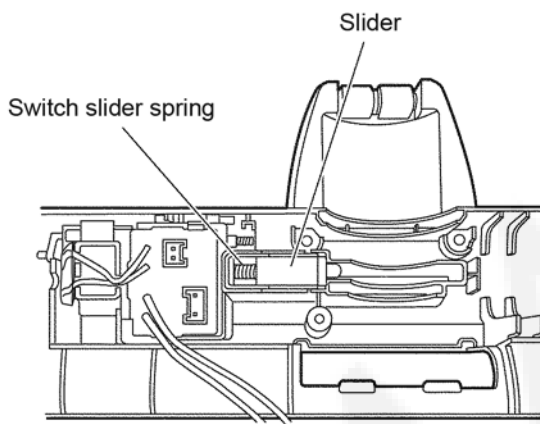
- When removing connectors, pull them straight out. If they are pried out, it may cause a break or poor contact of the lead wire.
- When removing the Floor nozzle center, be careful that thlider and Switch slider spring within do not spring out and become lost.
- The Floor nozzle center can be easily removed by inserting a flathead screwdriver into the ribbed part within the floor nozzle and prying it open.



4. While holding down the slider and slider spring, slowly remove the Floor nozzle pipe unit.

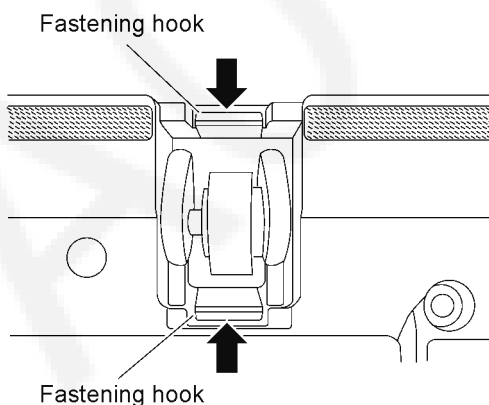


5. Remove the Slider and Slider spring.



### 7.2.11. Switch cover and P.C.B E unit

1. Using radio pliers or a similar tool, remove the Switch cover by gripping the fastening hooks on the underside of the Floor nozzle lower unit and slowly pushing it out.



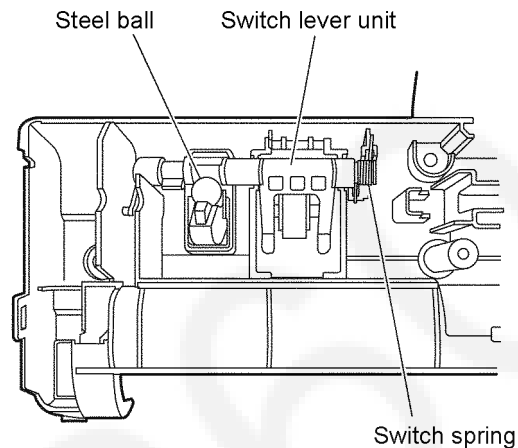
#### ■Caution

When removing the Switch cover, be careful not to lose the steel ball within.

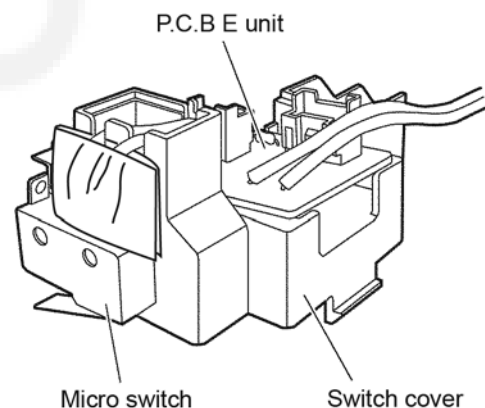
#### <Precautions when carrying out assembly>

- When the Switch cover is removed, Switch lever unit, steel ball and Switch spring will become insecure, so be careful not to lose any of these parts.

- Be sure to securely fit the Switch spring into the groove in the Floor nozzle lower unit.
- After checking that the steel ball is set in its proper place, attach the Switch cover.

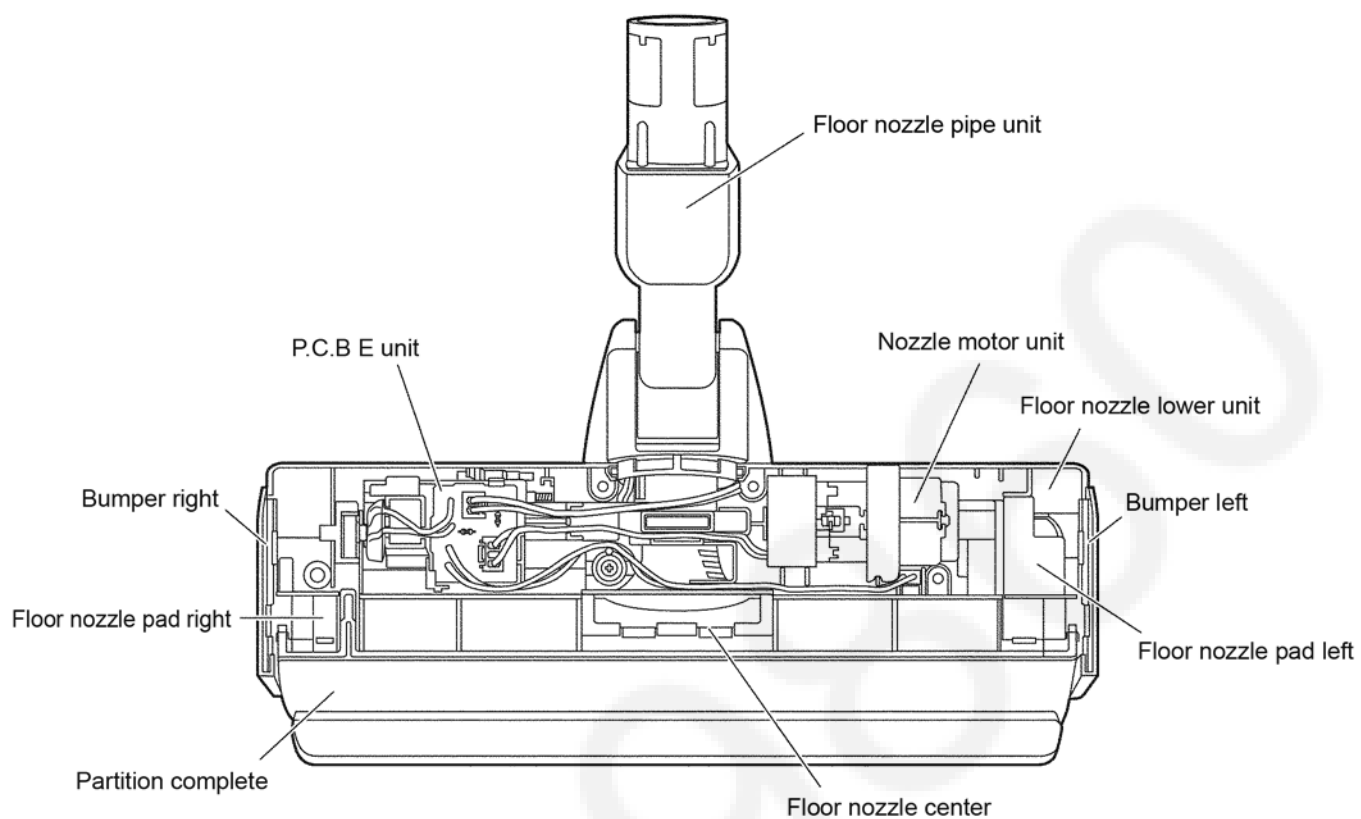


- If the Switch cover has been removed, after assembling the Power nozzle, be sure to check that the rotating part (brush) rotates and stops in accordance with the movement of the Switch lever unit (roller).
  - Check that the Switch lever unit (roller) is locks when the Power nozzle is turned upside down.
2. Remove the micro switch on the Switch cover and remove the P.C.B E unit from the Switch cover.



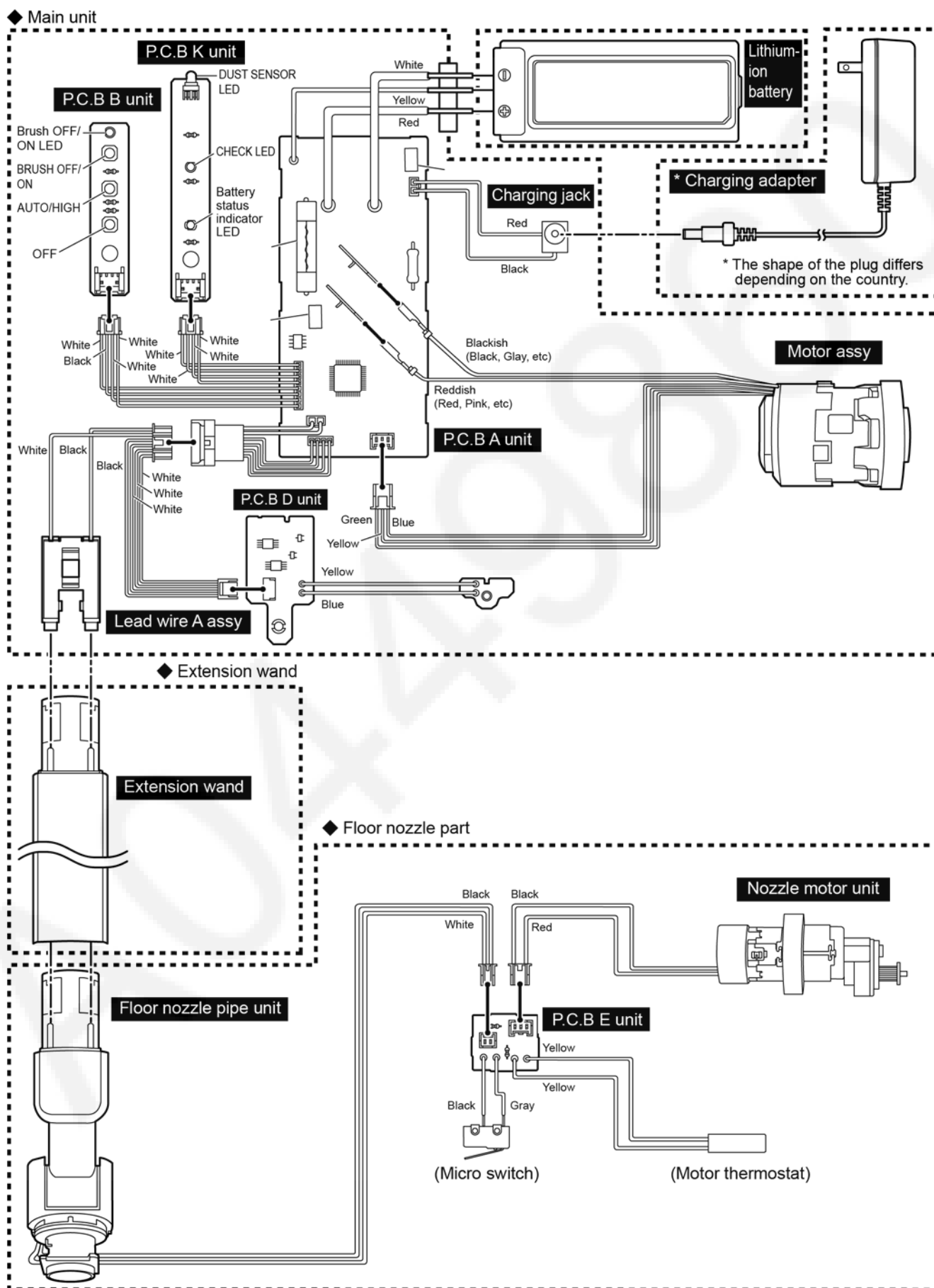


### 7.2.12. Power nozzle assembly diagram

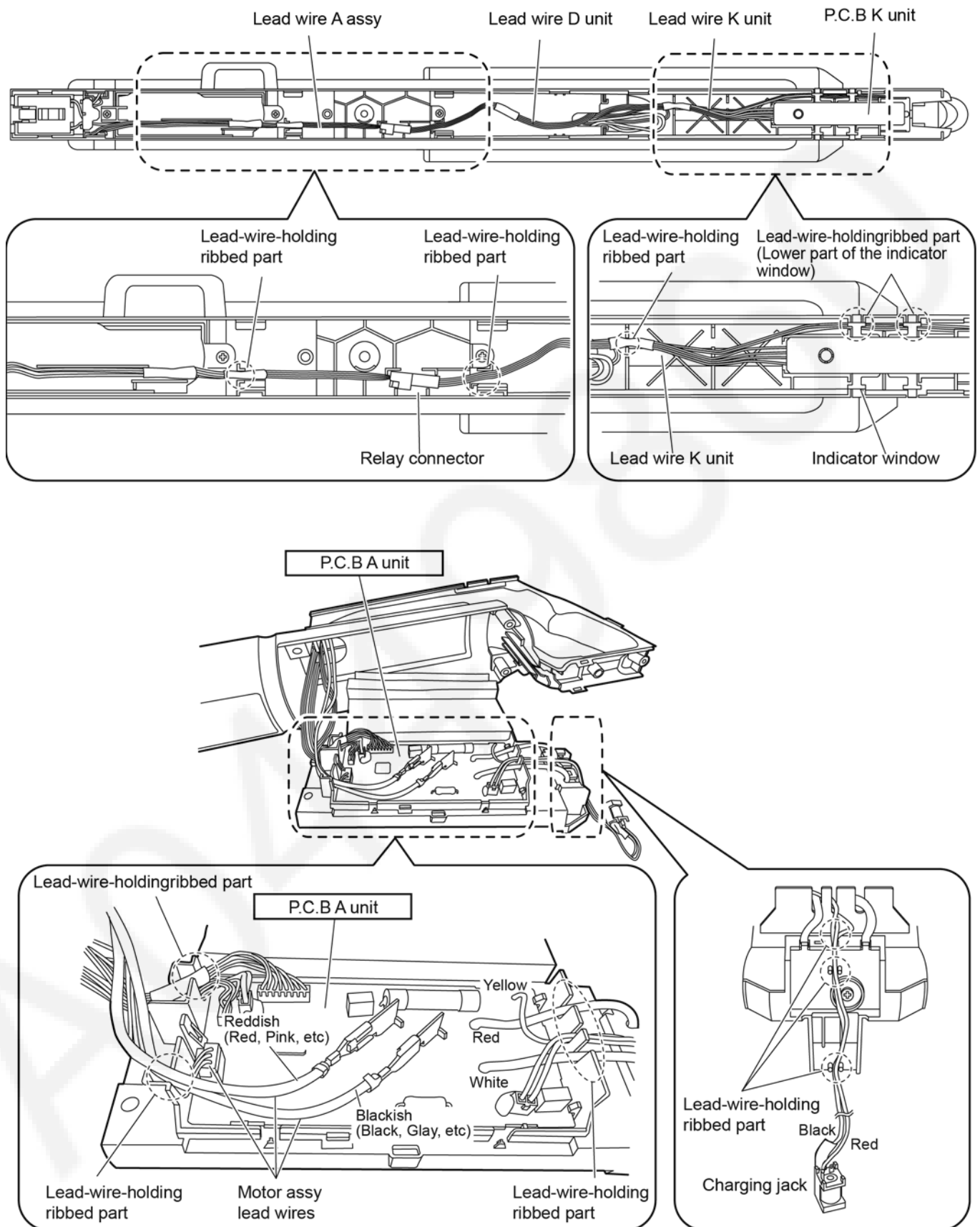


## 8 Wiring Connection Diagram

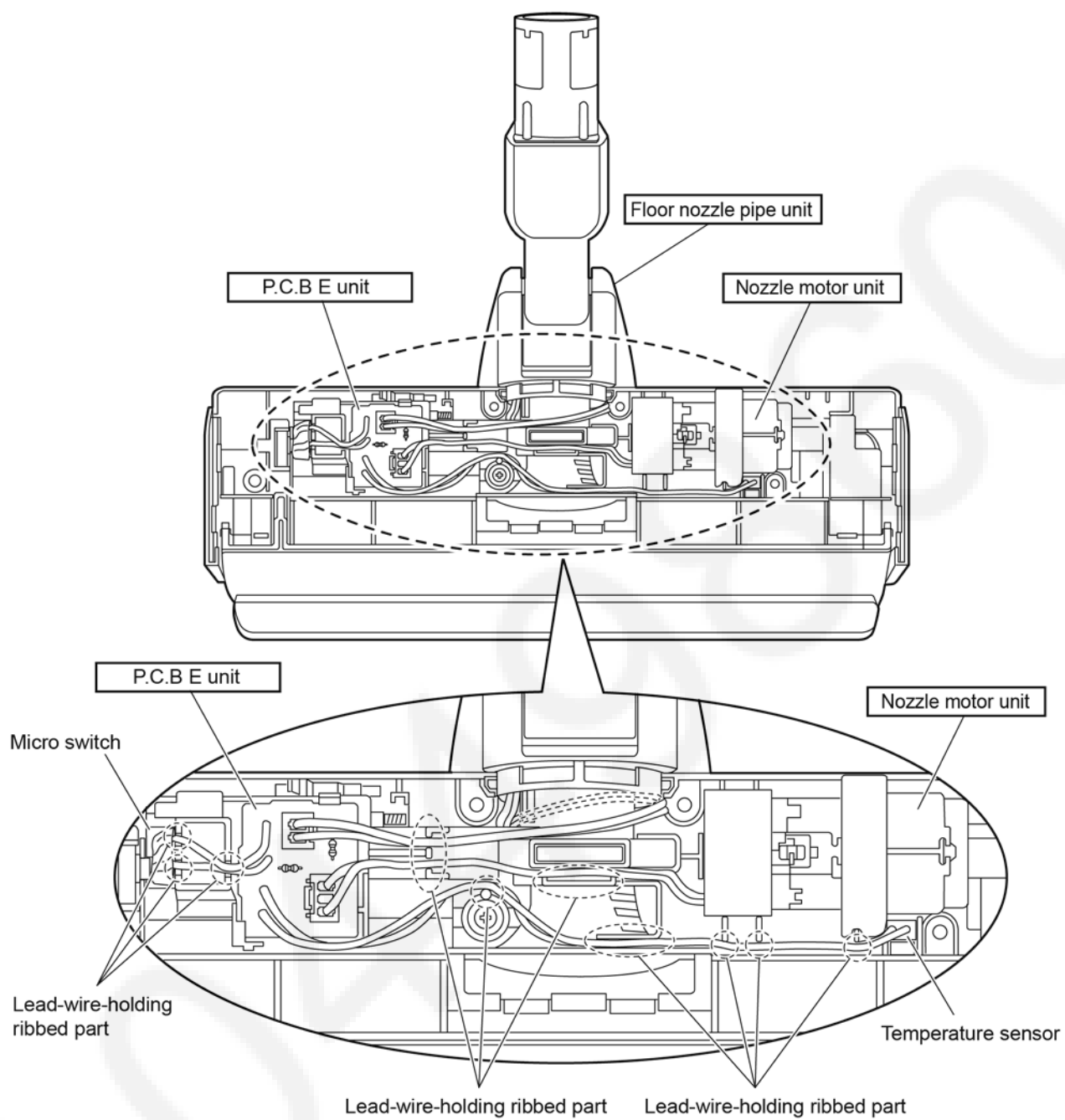
### 8.1. Actual wiring diagram (MC-BJ870)



## 8.2. Wiring diagram (MC-BJ870 Main unit)



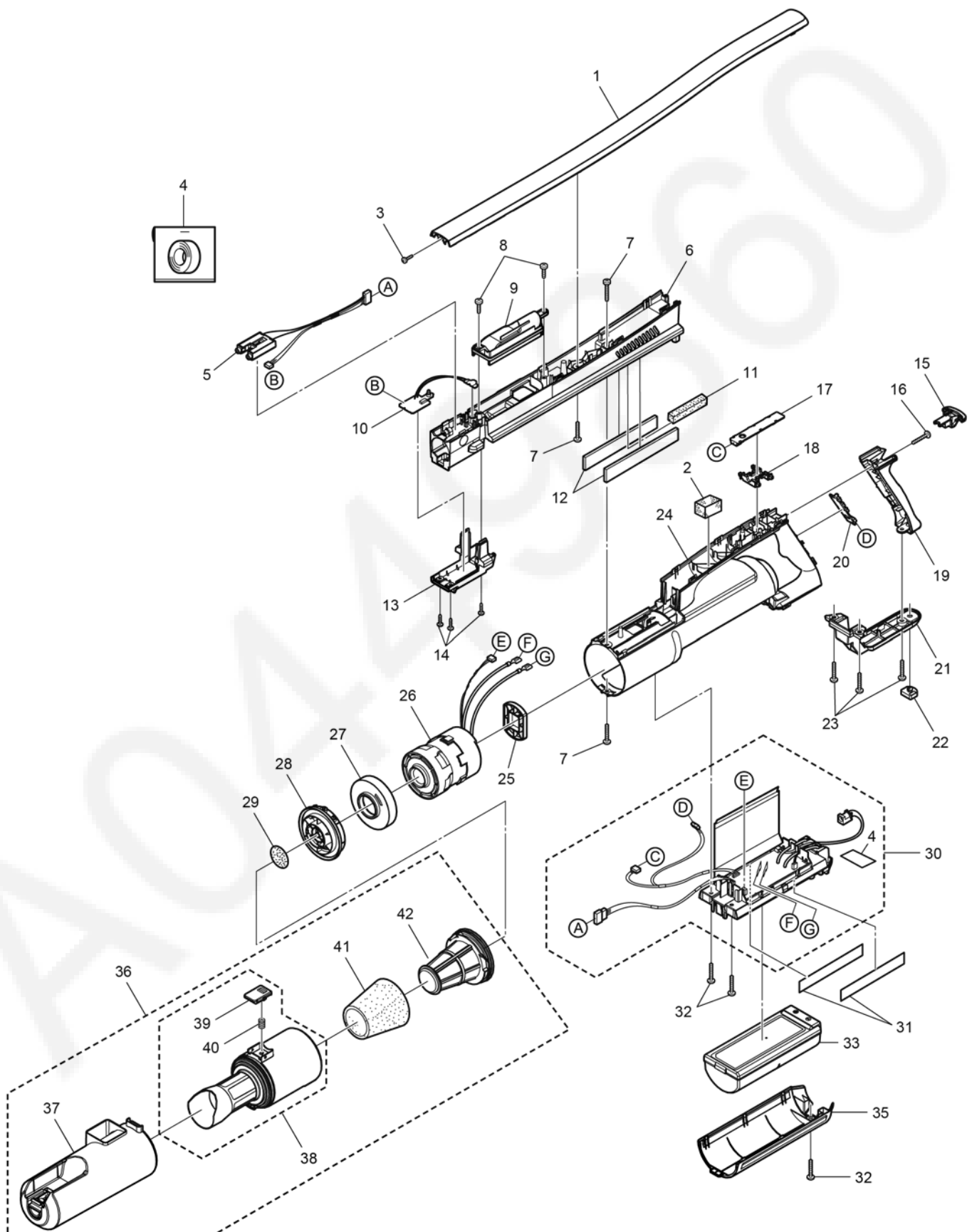
### 8.3. Wiring diagram (MC-BJ870 Floor nozzle part)



## 9 Exploded View and Replacement Parts List

### 9.1. MC-BJ870-S149 (Iran)

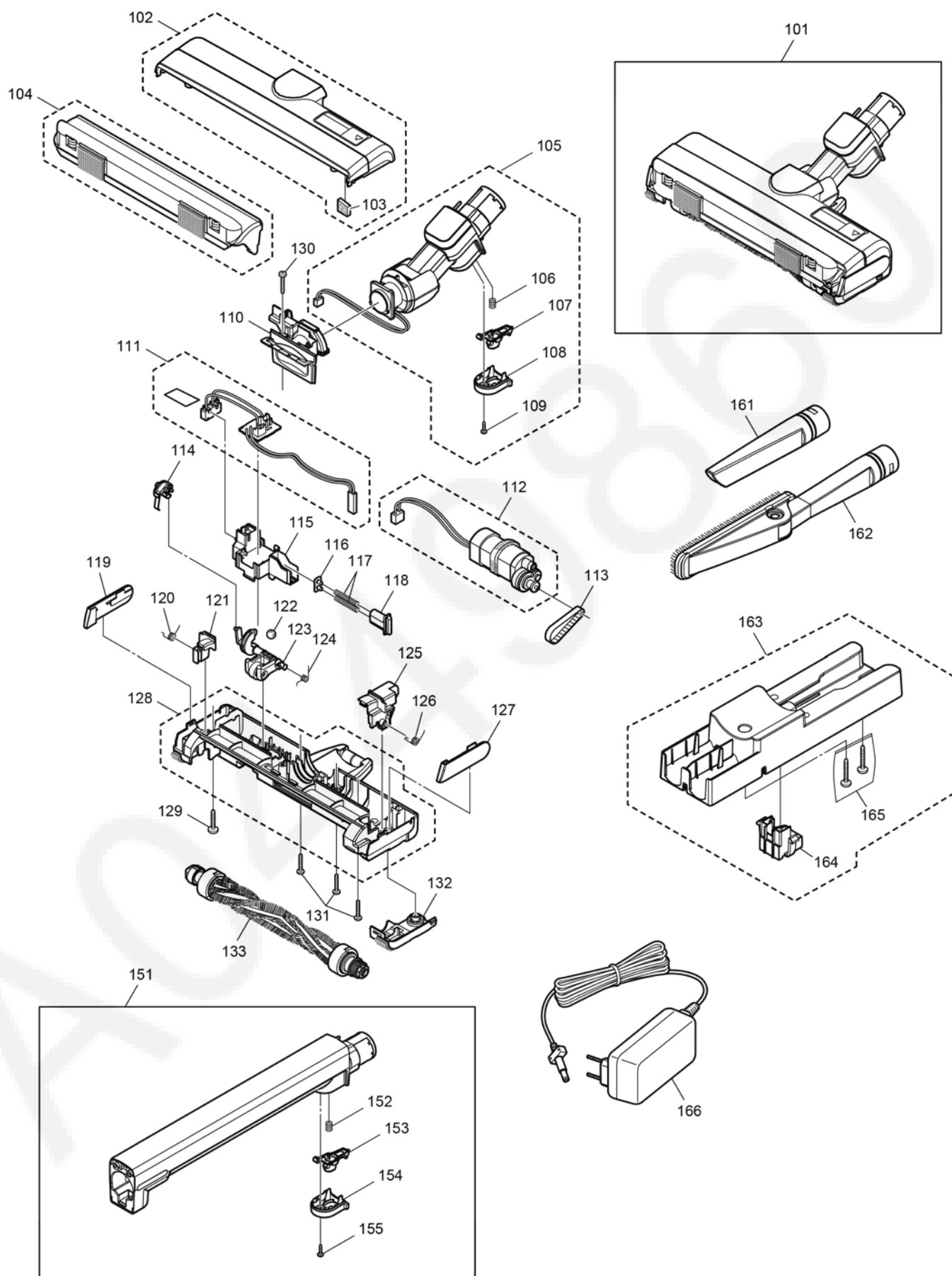
#### 9.1.1. Exploded View (Main unit)



## 9.1.2. Parts List (Main unit)

MC-BJ870-S149 (Iran)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	1	AMV05B-LH0S	PAINTED HANDLE COVER	1	(S)Silver Black
	2	AMV0CE-LH0	SEAL PACKING C	1	
	3	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
⚠	4	AMC0NA-ZK0	GLASS TAPE	1	
	5	AMV0BG-LH0	LEAD WIRE A ASSY	1	
	6	AMV84J-LH0K	FRONT BODY ASSY	1	(S)Silver Black
	7	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	8	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	2	
	9	AMV80J-LH0	AIR INLET GUIDE UNIT	1	
	10	AMV87V-LH0	P.C.B D UNIT	1	
	11	AMV10G-LH0	NOISE ABSORBER	1	
	12	AMV30L-LH0	OUTLET FILTER	2	
	13	AMV01H-LH0K	FRONT COVER	1	(S)Silver Black
	14	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	3	
	15	AMV87MNT000J	POWER INDICATOR WINDOW UNIT	1	
	16	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	1	
	17	AMV80W-LH0	P.C.B K UNIT	1	
	18	AMV08M-LH0	INDICATOR WINDOW	1	
	19	AMV93BNT0K0J	HANDLE GRIP UNIT	1	(S)Silver Black
	20	AMV85V-LH0	P.C.B B UNIT	1	
	21	AMV66B-LH0K	LOWER HANDLE	1	(S)Silver Black
	22	AMV39H-LH0U	NON-SLIP RUBBER	1	(PANEL PACKING)
	23	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	24	AMV9AANT0S0J	BODY SET	1	(S)Silver Black
	25	AMV03F-LH0	MOTOR SUPPORT RUBBER REAR	1	
⚠	26	AMV90FNT000J	MOTOR ASSY	1	
	27	AMV02F-LH0	MOTOR SUPPORT RUBBER FRONT	1	
	28	AMV96H-LH0K	SUCTION INLET UNIT	1	(S)Silver Black
	29	AMV43K-LH0	PRE FILTER	1	
⚠	30	AMV1AVNT000J	P.C.B HOLDER A UNIT	1	
	31	AMV65A-LH0	BODY PARTITION PACKING	2	
	32	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
⚠	33	AMV97V-NT	LITHIUM ION STORAGE BATTERY	1	(BATTERY UNIT), (Lithium-ion battery)
	35	AMV92A-LH0K	BATTERY COVER	1	(BODY COVER UNIT): (S)Silver Black
	36	AMV88KNT030J	DUST BOX	1	(DUST COMPARTMENT UNIT)
	37	AMV85KNT030J	DUST CUP	1	(DUST BOX UNIT)
	38	AMV0VK-LH03	NET FILTER	1	(DUST COMPARTMENT FILTER KIT)
	39	AMV26D-LH02	DUST CUP RELEASE BUTTON	1	(BRACKET BACK)
	40	AMV80K-LH0	DUST BOX SPRING	1	
	41	AMV0HK-LH0	SPONGE FILTER	1	(SPONGE FILTER UNIT)
	42	AMV84K-LH0H	FILTER	1	(FILTER ASSY)
	-	AMV61ZNT000J	INDIVIDUAL CARTON	1	
	-	AMV01ZNT00BJ	INSTRUCTION BOOK	1	
	-	AMV10Z-LH0	BODY BAG	1	
	-	AMV21ZNT00CJ	NOTE LABEL	1	
	-	AMV69Z-LH0	CUSHION A	1	
	-	AMV70Z-LH0	CUSHION B	1	
	-	AMV0TZNT000J	CUSHION C	1	

### 9.1.3. Exploded View (Accessories: Cleaner head nozzle, Power / Extension wand)



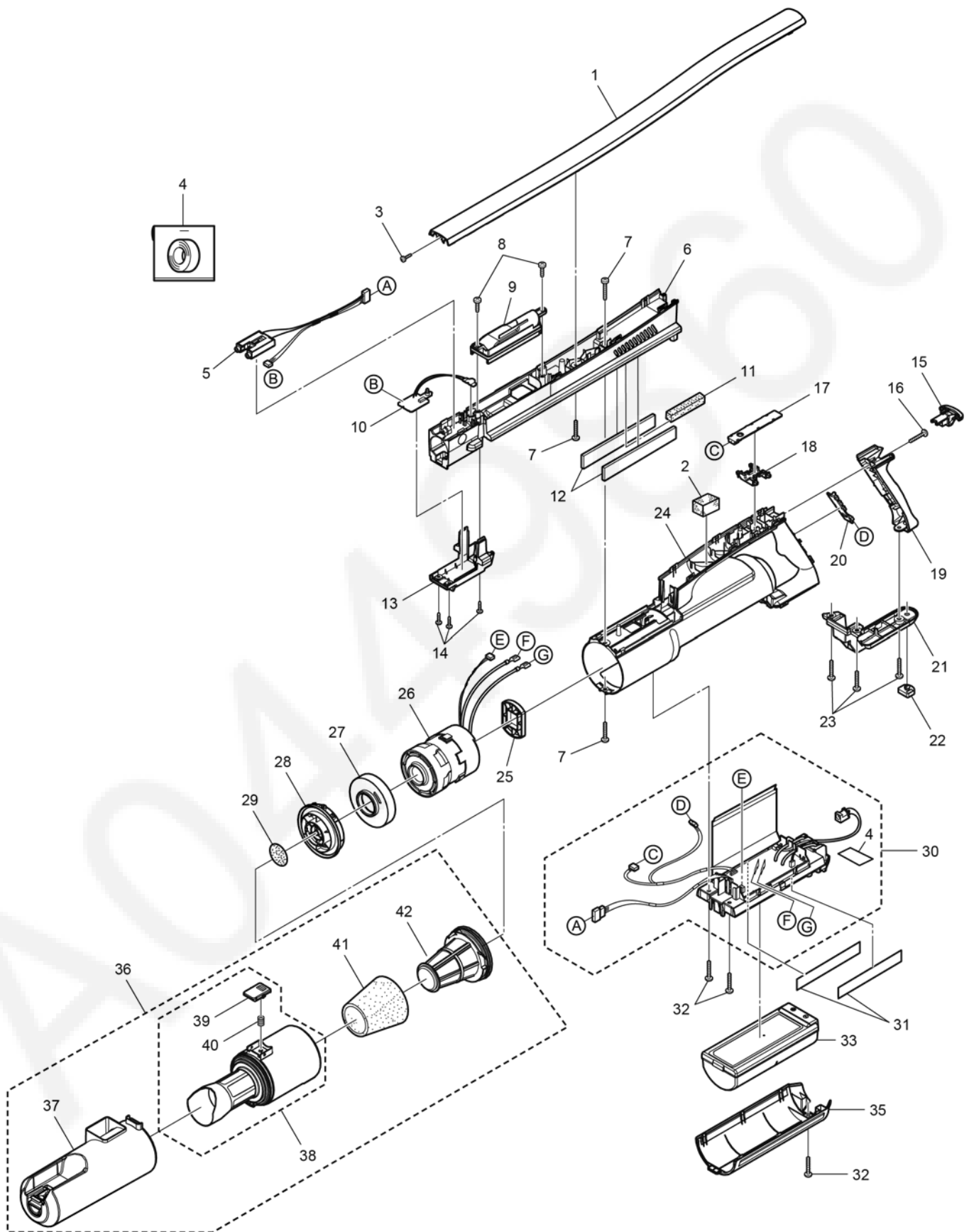
### 9.1.4. Parts List (Accessories: Cleaner head nozzle, Power / Extension wand)

MC-BJ870-S149 (Iran)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	101	AMV85P-NT0S	CLEANER HEAD NOZZLE, POWER	1	(POWER NOZZLE ASSY): (S)Silver Black
	102	AMV92QNT0S0J	FLOOR NOZZLE UPPER ASSY	1	(POWER NOZZLE ASSY): (S)Silver Black
	103	AMV08Q-LH0U	FLOOR NOZZLE PACKING B	1	
	104	AMV97L-LH0V	PARTITION COMPLETE	1	
	105	AMV94R-LH0S	FLOOR NOZZLE PIPE UNIT	1	(S)Silver Black
	106	AMV04D-5F0	SPRING BUCKLE	1	
	107	AMV05Q-LH0K	PIPE BACKLE	1	(S)Silver Black
	108	AMV24D-LH0K	LEAF SPRING	1	(S)Silver Black
	109	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
	110	AMV13R-LH0V	FLOOR NOZZLE CENTER	1	
⚠	111	AMV81V-LH0	P.C.B E UNIT	1	
⚠	112	AMV13S-LH0	NOZZLE MOTOR UNIT	1	
	113	AMV28S-LH0	BELT	1	
	114	AMV96S-LH0	LEVER UNIT	1	
	115	AMV03E-LH0K	SWITCH COVER	1	(S)Silver Black
	116	AMV53K-LH0	SLIDER SUPPORTER	1	
	117	AMV57K-LH0	SWITCH SLIDER SPRING	2	
	118	AMV48K-LH0	SLIDER	1	
	119	AMV32A-LH0V	BUMPER RIGHT	1	
	120	AMV29D-LH0	SPRING D	1	
	121	AMV17R-LH0K	FLOOR NOZZLE PAD RIGHT	1	(S)Silver Black
	122	AMC81R-JC0	STEEL BALL	1	
	123	AMV19E-LH0U	SWITCH LEVER UNIT	1	
	124	AMV08E-E00	SWITCH SPRING	1	
	125	AMV16R-LH0K	FLOOR NOZZLE PAD LEFT	1	(S)Silver Black
	126	AMV35D-LH0	SPRING B	1	
	127	AMV30A-LH0V	BUMPER LEFT	1	
	128	AMV97R-LH0K	FLOOR NOZZLE LOWER UNIT	1	(S)Silver Black
	129	AMV68A-FK0	SCREW	1	
	130	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	1	
	131	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	3	
	132	AMV98Q-LH0K	BRUSH COVER	1	(BRUSH COVER UNIT): (S)Silver Black
	133	AMV92R-LH0B	AGITATOR ASSEMBLY	1	
	151	AMV99P-LH0S	EXTENSION WAND	1	(EXTENSION WAND ASSY): (S)Silver Black
	152	AMV04D-LH0	SPRING BUCKLE	1	
	153	AMV05Q-LH0K	PIPE BACKLE	1	
	154	AMV32D-LH0K	BUCKLE PLATE	1	
	155	XTN3+8BFJK	PAN HEAD TAPPING SCREWS	1	
	161	AMV97Q-LH0	CREVICE TOOL	1	(CREVICE TOOL UNIT)
	162	AMV88R-LH0V	DUSTING BRUSH	1	(DUSTING NOZZLE UNIT)
	163	AMV17V-LH0V	CHARGING BASE	1	(RECHARGE BASE UPPER UNIT)
	164	AMV14W-LH0L	PLUG COVER	1	
	165	AMV88Z-LH0	SCREW BAG UNIT	1	
⚠	166	AMV61V-NTB	CHARGING ADAPTER	1	(BATTERY CHARGER)



## 9.2. MC-BJ870-S447 / MC-BU870-T447 (Hong Kong)

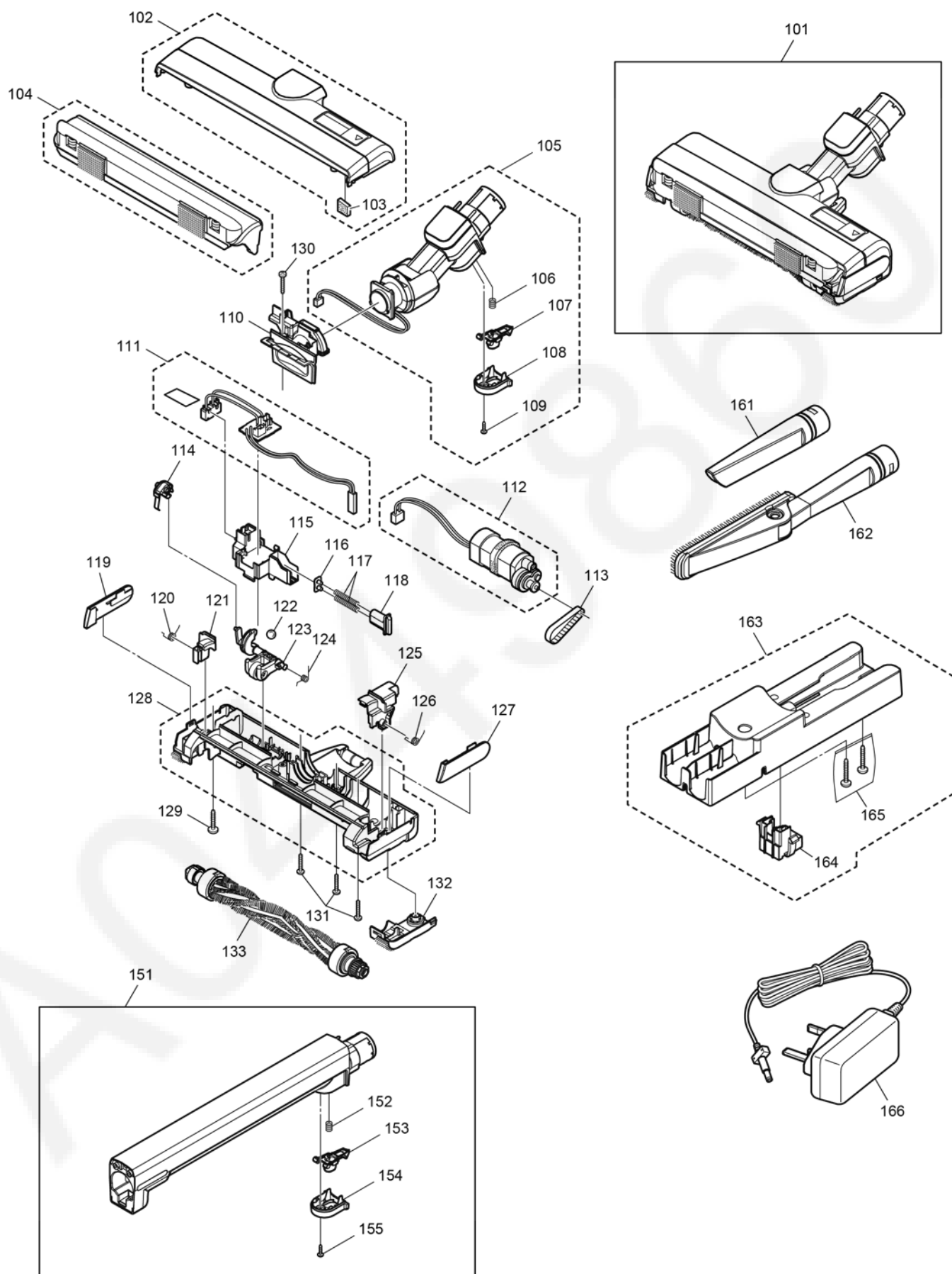
### 9.2.1. Exploded View (Main unit)



## 9.2.2. Parts List (Main unit)

MC-BJ870-S447 / MC-BU870-T447 (Hong Kong)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	1	AMV05B-LH08	PAINTED HANDLE COVER	1	(T)Rose Brown
	1	AMV05B-LH0S	PAINTED HANDLE COVER	1	(S)Silver Black
	2	AMV0CE-LH0	SEAL PACKING C	1	
	3	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
⚠	4	AMC0NA-ZK0	GLASS TAPE	1	
	5	AMV0BG-LH0	LEAD WIRE A ASSY	1	
	6	AMV84J-LH0J	FRONT BODY ASSY	1	(T)Rose Brown
	6	AMV84J-LH0K	FRONT BODY ASSY	1	(S)Silver Black
	7	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	8	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	2	
	9	AMV80J-LH0	AIR INLET GUIDE UNIT	1	
	10	AMV87V-LH0	P.C.B D UNIT	1	
	11	AMV10G-LH0	NOISE ABSORBER	1	
	12	AMV30L-LH0	OUTLET FILTER	2	
	13	AMV01H-LH0J	FRONT COVER	1	(T)Rose Brown
	13	AMV01H-LH0K	FRONT COVER	1	(S)Silver Black
	14	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	3	
	15	AMV87MNT000J	POWER INDICATOR WINDOW UNIT	1	
	16	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	1	
	17	AMV80W-LH0	P.C.B K UNIT	1	
	18	AMV08M-LH0	INDICATOR WINDOW	1	
	19	AMV93BNT0J0J	HANDLE GRIP UNIT	1	(T)Rose Brown
	19	AMV93BNT0K0J	HANDLE GRIP UNIT	1	(S)Silver Black
	20	AMV85V-LH0	P.C.B B UNIT	1	
	21	AMV66B-LH0J	LOWER HANDLE	1	(T)Rose Brown
	21	AMV66B-LH0K	LOWER HANDLE	1	(S)Silver Black
	22	AMV39H-LH0U	NON-SLIP RUBBER	1	(PANEL PACKING)
	23	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	24	AMV9AANT0T0J	BODY SET	1	(T)Rose Brown
	24	AMV9AANT0S0J	BODY SET	1	(S)Silver Black
	25	AMV03F-LH0	MOTOR SUPPORT RUBBER REAR	1	
⚠	26	AMV90FNT000J	MOTOR ASSY	1	
	27	AMV02F-LH0	MOTOR SUPPORT RUBBER FRONT	1	
	28	AMV96H-LH0J	SUCTION INLET UNIT	1	(T)Rose Brown
	28	AMV96H-LH0K	SUCTION INLET UNIT	1	(S)Silver Black
	29	AMV43K-LH0	PRE FILTER	1	
⚠	30	AMV1AVNT000J	P.C.B HOLDER A UNIT	1	
	31	AMV65A-LH0	BODY PARTITION PACKING	2	
	32	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
⚠	33	AMV97V-NT	LITHIUM ION STORAGE BATTERY	1	(BATTERY UNIT), (Lithium-ion battery)
	35	AMV92A-LH0J	BATTERY COVER	1	(BODY COVER UNIT): (T)Rose Brown
	35	AMV92A-LH0K	BATTERY COVER	1	(BODY COVER UNIT): (S)Silver Black
	36	AMV88KNT030J	DUST BOX	1	(DUST COMPARTMENT UNIT)
	37	AMV85KNT030J	DUST CUP	1	(DUST BOX UNIT)
	38	AMV0VK-LH03	NET FILTER	1	(DUST COMPARTMENT FILTER KIT)
	39	AMV26D-LH02	DUST CUP RELEASE BUTTON	1	(BRACKET BACK)
	40	AMV80K-LH0	DUST BOX SPRING	1	
	41	AMV0HK-LH0	SPONGE FILTER	1	(SPONGE FILTER UNIT)
	42	AMV84K-LH0H	FILTER	1	(FILTER ASSY)
	-	AMV61ZNT000J	INDIVIDUAL CARTON	1	
	-	AMV01ZNT00CJ	INSTRUCTION BOOK	1	
	-	AMV10Z-LH0	BODY BAG	1	
	-	AMV21ZNT00CJ	NOTE LABEL	1	
	-	AMV69Z-LH0	CUSHION A	1	
	-	AMV70Z-LH0	CUSHION B	1	
	-	AMV0TZNT000J	CUSHION C	1	

### 9.2.3. Exploded View (Accessories: Cleaner head nozzle, Power / Extension wand)

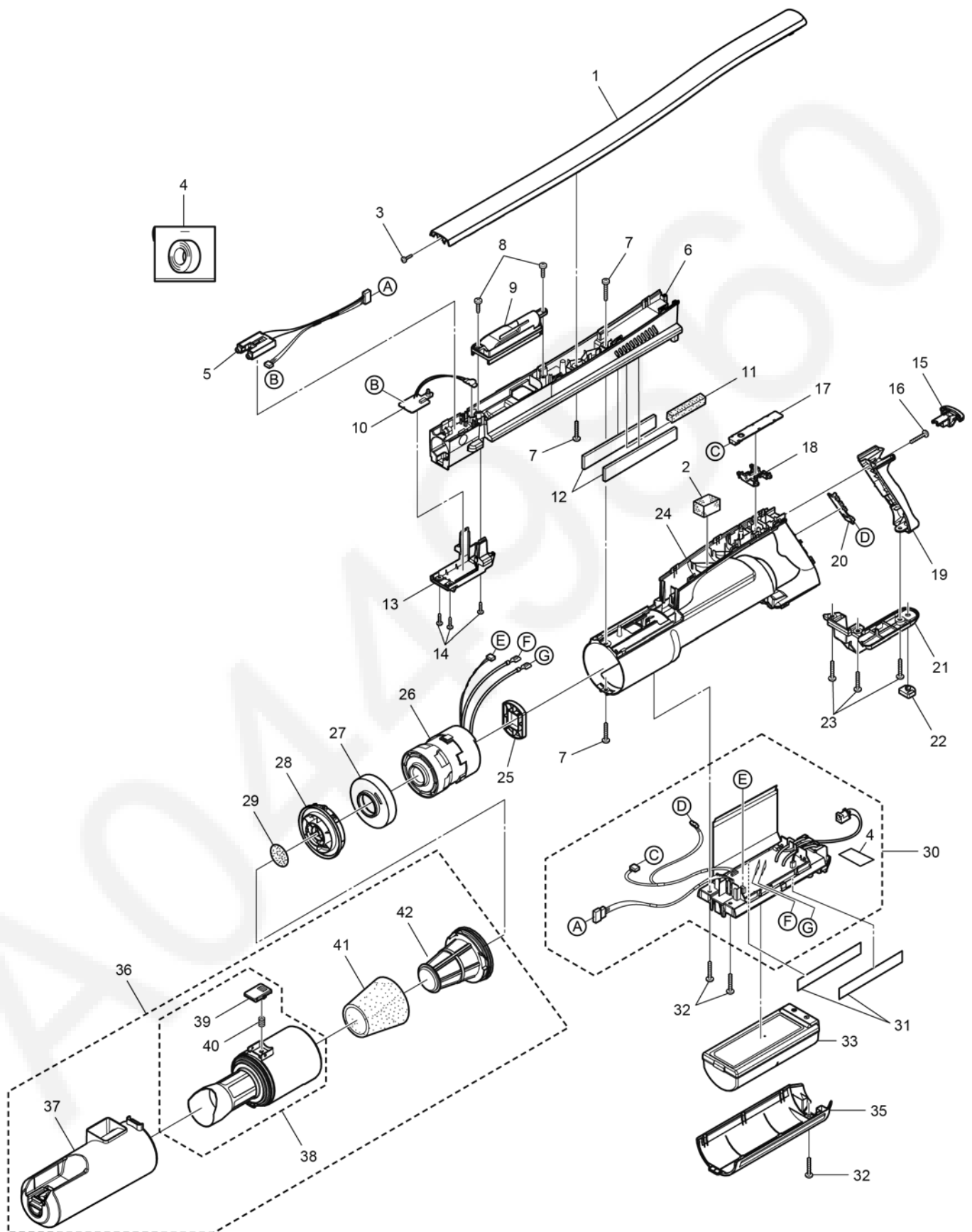


## 9.2.4. Parts List (Accessories: Cleaner head nozzle, Power / Extension wand)

MC-BJ870-S447 / MC-BU870-T447 (Hong Kong)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	101	AMV85P-NT08	CLEANER HEAD NOZZLE, POWER	1	(POWER NOZZLE ASSY): (T)Rose Brown
	101	AMV85P-NT0S	CLEANER HEAD NOZZLE, POWER	1	(POWER NOZZLE ASSY): (S)Silver Black
	102	AMV92QNT080J	FLOOR NOZZLE UPPER ASSY	1	(POWER NOZZLE ASSY): (T)Rose Brown
	102	AMV92QNT0S0J	FLOOR NOZZLE UPPER ASSY	1	(POWER NOZZLE ASSY): (S)Silver Black
	103	AMV0BQ-LH0U	FLOOR NOZZLE PACKING B	1	
	104	AMV97L-LH0V	PARTITION COMPLETE	1	
	105	AMV94R-LH08	FLOOR NOZZLE PIPE UNIT	1	(T)Rose Brown
	105	AMV94R-LH0S	FLOOR NOZZLE PIPE UNIT	1	(S)Silver Black
	106	AMV04D-5F0	SPRING BUCKLE	1	
	107	AMV05Q-LH0J	PIPE BACKLE	1	(T)Rose Brown
	107	AMV05Q-LH0K	PIPE BACKLE	1	(S)Silver Black
	108	AMV24D-LH0J	LEAF SPRING	1	(T)Rose Brown
	108	AMV24D-LH0K	LEAF SPRING	1	(S)Silver Black
	109	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
	110	AMV13R-LH0V	FLOOR NOZZLE CENTER	1	
	111	AMV81V-LH0	P.C.B E UNIT	1	
⚠	112	AMV13S-LH0	NOZZLE MOTOR UNIT	1	
	113	AMV28S-LH0	BELT	1	
	114	AMV96S-LH0	LEVER UNIT	1	
	115	AMV03E-LH0J	SWITCH COVER	1	(T)Rose Brown
	115	AMV03E-LH0K	SWITCH COVER	1	(S)Silver Black
	116	AMV53K-LH0	SLIDER SUPPORTER	1	
	117	AMV57K-LH0	SWITCH SLIDER SPRING	2	
	118	AMV48K-LH0	SLIDER	1	
	119	AMV32A-LH0V	BUMPER RIGHT	1	
	120	AMV29D-LH0	SPRING D	1	
	121	AMV17R-LH0J	FLOOR NOZZLE PAD RIGHT	1	(T)Rose Brown
	121	AMV17R-LH0K	FLOOR NOZZLE PAD RIGHT	1	(S)Silver Black
	122	AMC81R-JC0	STEEL BALL	1	
	123	AMV19E-LH0U	SWITCH LEVER UNIT	1	
	124	AMV08E-E00	SWITCH SPRING	1	
	125	AMV16R-LH0J	FLOOR NOZZLE PAD LEFT	1	(T)Rose Brown
	125	AMV16R-LH0K	FLOOR NOZZLE PAD LEFT	1	(S)Silver Black
	126	AMV35D-LH0	SPRING B	1	
	127	AMV30A-LH0V	BUMPER LEFT	1	
	128	AMV97R-LH0J	FLOOR NOZZLE LOWER UNIT	1	(T)Rose Brown
	128	AMV97R-LH0K	FLOOR NOZZLE LOWER UNIT	1	(S)Silver Black
	129	AMV68A-FK0	SCREW	1	
	130	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	1	
	131	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	3	
	132	AMV98Q-LH0J	BRUSH COVER	1	(BRUSH COVER UNIT): (T)Rose Brown
	132	AMV98Q-LH0K	BRUSH COVER	1	(BRUSH COVER UNIT): (S)Silver Black
	133	AMV92R-LH0B	AGITATOR ASSEMBLY	1	
	151	AMV99P-LH08	EXTENSION WAND	1	(EXTENSION WAND ASSY): (T)Rose Brown
	151	AMV99P-LH0S	EXTENSION WAND	1	(EXTENSION WAND ASSY): (S)Silver Black
	152	AMV04D-LH0	SPRING BUCKLE	1	
	153	AMV05Q-LH0J	PIPE BACKLE	1	
	153	AMV05Q-LH0K	PIPE BACKLE	1	
	154	AMV32D-LH0J	BUCKLE PLATE	1	
	154	AMV32D-LH0K	BUCKLE PLATE	1	
	155	XTN3+8BFJK	PAN HEAD TAPPING SCREWS	1	
	161	AMV97Q-LH0	CREVICE TOOL	1	(CREVICE TOOL UNIT)
	162	AMV88R-LH0V	DUSTING BRUSH	1	(DUSTING NOZZLE UNIT)
	163	AMV17V-LH0V	CHARGING BASE	1	(RECHARGE BASE UPPER UNIT)
	164	AMV14W-LH0L	PLUG COVER	1	
	165	AMV88Z-LH0	SCREW BAG UNIT	1	
⚠	166	AMV61V-NTC	CHARGING ADAPTER	1	(BATTERY CHARGER)

### 9.3. MC-BJ870-SB49 / MC-BU870-TB49 (Thailand)

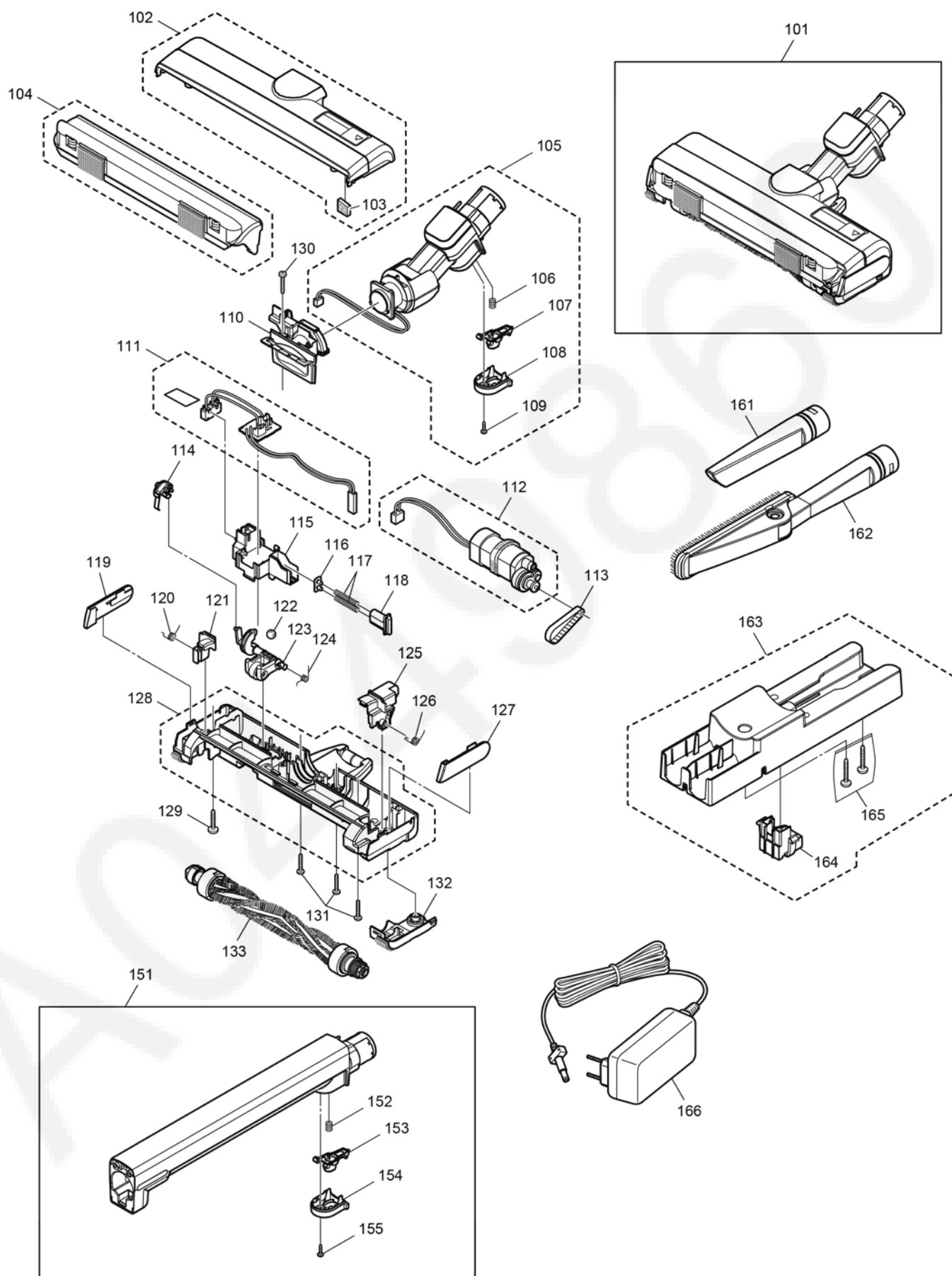
#### 9.3.1. Exploded View (Main unit)



### 9.3.2. Parts List (Main unit)

MC-BJ870-SB49 / MC-BU870-TB49 (Thailand)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	1	AMV05B-LH08	PAINTED HANDLE COVER	1	(T)Rose Brown
	1	AMV05B-LH0S	PAINTED HANDLE COVER	1	(S)Silver Black
	2	AMV0CE-LH0	SEAL PACKING C	1	
	3	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
⚠	4	AMC0NA-ZK0	GLASS TAPE	1	
	5	AMV0BG-LH0	LEAD WIRE A ASSY	1	
	6	AMV84J-LH0J	FRONT BODY ASSY	1	(T)Rose Brown
	6	AMV84J-LH0K	FRONT BODY ASSY	1	(S)Silver Black
	7	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	8	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	2	
	9	AMV80J-LH0	AIR INLET GUIDE UNIT	1	
	10	AMV87V-LH0	P.C.B D UNIT	1	
	11	AMV10G-LH0	NOISE ABSORBER	1	
	12	AMV30L-LH0	OUTLET FILTER	2	
	13	AMV01H-LH0J	FRONT COVER	1	(T)Rose Brown
	13	AMV01H-LH0K	FRONT COVER	1	(S)Silver Black
	14	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	3	
	15	AMV87MNT000J	POWER INDICATOR WINDOW UNIT	1	
	16	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	1	
	17	AMV80W-LH0	P.C.B K UNIT	1	
	18	AMV08M-LH0	INDICATOR WINDOW	1	
	19	AMV93BNT0J0J	HANDLE GRIP UNIT	1	(T)Rose Brown
	19	AMV93BNT0K0J	HANDLE GRIP UNIT	1	(S)Silver Black
	20	AMV85V-LH0	P.C.B B UNIT	1	
	21	AMV66B-LH0J	LOWER HANDLE	1	(T)Rose Brown
	21	AMV66B-LH0K	LOWER HANDLE	1	(S)Silver Black
	22	AMV39H-LH0U	NON-SLIP RUBBER	1	(PANEL PACKING)
	23	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	24	AMV9AANT0T0J	BODY SET	1	(T)Rose Brown
	24	AMV9AANT0S0J	BODY SET	1	(S)Silver Black
	25	AMV03F-LH0	MOTOR SUPPORT RUBBER REAR	1	
⚠	26	AMV90FNT000J	MOTOR ASSY	1	
	27	AMV02F-LH0	MOTOR SUPPORT RUBBER FRONT	1	
	28	AMV96H-LH0J	SUCTION INLET UNIT	1	(T)Rose Brown
	28	AMV96H-LH0K	SUCTION INLET UNIT	1	(S)Silver Black
	29	AMV43K-LH0	PRE FILTER	1	
⚠	30	AMV1AVNT000J	P.C.B HOLDER A UNIT	1	
	31	AMV65A-LH0	BODY PARTITION PACKING	2	
	32	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
⚠	33	AMV97V-NT	LITHIUM ION STORAGE BATTERY	1	(BATTERY UNIT), (Lithium-ion battery)
	35	AMV92A-LH0J	BATTERY COVER	1	(BODY COVER UNIT): (T)Rose Brown
	35	AMV92A-LH0K	BATTERY COVER	1	(BODY COVER UNIT): (S)Silver Black
	36	AMV88KNT030J	DUST BOX	1	(DUST COMPARTMENT UNIT)
	37	AMV85KNT030J	DUST CUP	1	(DUST BOX UNIT)
	38	AMV0VK-LH03	NET FILTER	1	(DUST COMPARTMENT FILTER KIT)
	39	AMV26D-LH02	DUST CUP RELEASE BUTTON	1	(BRACKET BACK)
	40	AMV80K-LH0	DUST BOX SPRING	1	
	41	AMV0HK-LH0	SPONGE FILTER	1	(SPONGE FILTER UNIT)
	42	AMV84K-LH0H	FILTER	1	(FILTER ASSY)
	-	AMV61ZNT000J	INDIVIDUAL CARTON	1	
	-	AMV01ZNT00WJ	INSTRUCTION BOOK	1	
	-	AMV10Z-LH0	BODY BAG	1	
	-	AMV21ZNT00CJ	NOTE LABEL	1	
	-	AMV69Z-LH0	CUSHION A	1	
	-	AMV70Z-LH0	CUSHION B	1	
	-	AMV0TZNT000J	CUSHION C	1	

### 9.3.3. Exploded View (Accessories: Cleaner head nozzle, Power / Extension wand)



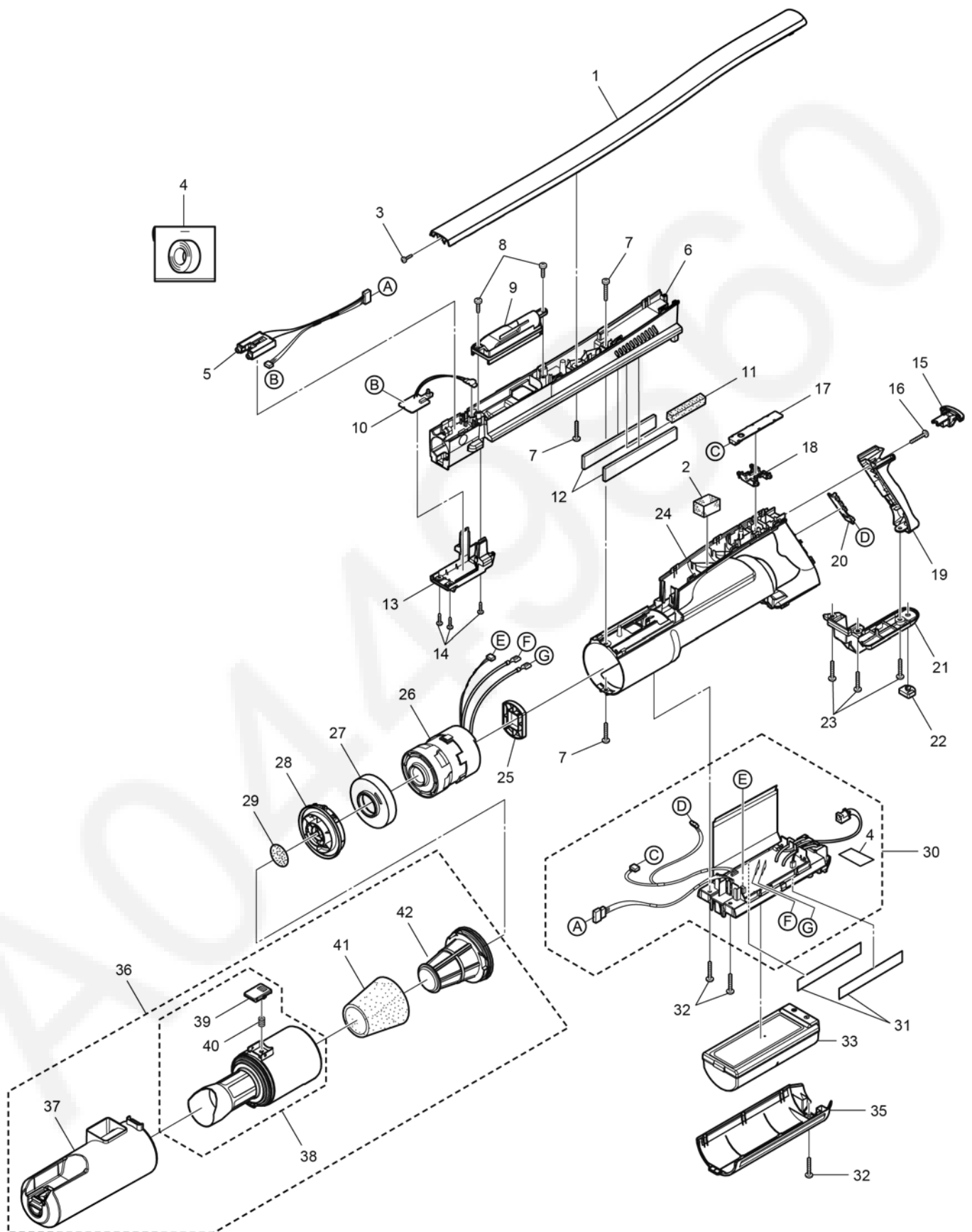
### 9.3.4. Parts List (Accessories: Cleaner head nozzle, Power / Extension wand)

MC-BJ870-SB49 / MC-BU870-TB49 (Thailand)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	101	AMV85P-NT08W	CLEANER HEAD NOZZLE, POWER	1	(POWER NOZZLE ASSY): (T)Rose Brown
	101	AMV85P-NT0SW	CLEANER HEAD NOZZLE, POWER	1	(POWER NOZZLE ASSY): (S)Silver Black
	102	AMV92QNT08WJ	FLOOR NOZZLE UPPER ASSY	1	(T)Rose Brown
	102	AMV92QNT0SWJ	FLOOR NOZZLE UPPER ASSY	1	(S)Silver Black
	103	AMV0BQ-LH0U	FLOOR NOZZLE PACKING B	1	
	104	AMV97L-LH0V	PARTITION COMPLETE	1	
	105	AMV94R-LH08	FLOOR NOZZLE PIPE UNIT	1	(T)Rose Brown
	105	AMV94R-LH0S	FLOOR NOZZLE PIPE UNIT	1	(S)Silver Black
	106	AMV04D-SF0	SPRING BUCKLE	1	
	107	AMV05Q-LH0J	PIPE BACKLE	1	(T)Rose Brown
	107	AMV05Q-LH0K	PIPE BACKLE	1	(S)Silver Black
	108	AMV24D-LH0J	LEAF SPRING	1	(T)Rose Brown
	108	AMV24D-LH0K	LEAF SPRING	1	(S)Silver Black
	109	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
	110	AMV13R-LH0V	FLOOR NOZZLE CENTER	1	
⚠	111	AMV81V-LH0	P.C.B E UNIT	1	
⚠	112	AMV13S-LH0	NOZZLE MOTOR UNIT	1	
	113	AMV28S-LH0	BELT	1	
	114	AMV96S-LH0	LEVER UNIT	1	
	115	AMV03E-LH0J	SWITCH COVER	1	(T)Rose Brown
	115	AMV03E-LH0K	SWITCH COVER	1	(S)Silver Black
	116	AMV53K-LH0	SLIDER SUPPORTER	1	
	117	AMV57K-LH0	SWITCH SLIDER SPRING	2	
	118	AMV48K-LH0	SLIDER	1	
	119	AMV32A-LH0V	BUMPER RIGHT	1	
	120	AMV29D-LH0	SPRING D	1	
	121	AMV17R-LH0J	FLOOR NOZZLE PAD RIGHT	1	(T)Rose Brown
	121	AMV17R-LH0K	FLOOR NOZZLE PAD RIGHT	1	(S)Silver Black
	122	AMC81R-JC0	STEEL BALL	1	
	123	AMV19E-LH0U	SWITCH LEVER UNIT	1	
	124	AMV08E-E00	SWITCH SPRING	1	
	125	AMV16R-LH0J	FLOOR NOZZLE PAD LEFT	1	(T)Rose Brown
	125	AMV16R-LH0K	FLOOR NOZZLE PAD LEFT	1	(S)Silver Black
	126	AMV35D-LH0	SPRING B	1	
	127	AMV30A-LH0V	BUMPER LEFT	1	
	128	AMV97R-LH0J	FLOOR NOZZLE LOWER UNIT	1	(T)Rose Brown
	128	AMV97R-LH0K	FLOOR NOZZLE LOWER UNIT	1	(S)Silver Black
	129	AMV68A-FK0	SCREW	1	
	130	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	1	
	131	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	3	
	132	AMV98Q-LH0J	BRUSH COVER	1	(BRUSH COVER UNIT): (T)Rose Brown
	132	AMV98Q-LH0K	BRUSH COVER	1	(BRUSH COVER UNIT): (S)Silver Black
	133	AMV92R-LH0B	AGITATOR ASSEMBLY	1	
	151	AMV99P-LH08	EXTENSION WAND	1	(EXTENSION WAND ASSY): (T)Rose Brown
	151	AMV99P-LH0S	EXTENSION WAND	1	(EXTENSION WAND ASSY): (S)Silver Black
	152	AMV04D-LH0	SPRING BUCKLE	1	
	153	AMV05Q-LH0J	PIPE BACKLE	1	
	153	AMV05Q-LH0K	PIPE BACKLE	1	
	154	AMV32D-LH0J	BUCKLE PLATE	1	
	154	AMV32D-LH0K	BUCKLE PLATE	1	
	155	XTN3+8BFJK	PAN HEAD TAPPING SCREWS	1	
	161	AMV97Q-LH0	CREVICE TOOL	1	(CREVICE TOOL UNIT)
	162	AMV88R-LH0V	DUSTING BRUSH	1	(DUSTING NOZZLE UNIT)
	163	AMV17V-LH0V	CHARGING BASE	1	(RECHARGE BASE UPPER UNIT)
	164	AMV14W-LH0L	PLUG COVER	1	
	165	AMV88Z-LH0	SCREW BAG UNIT	1	
⚠	166	AMV61V-NTB	CHARGING ADAPTER	1	(BATTERY CHARGER)



## 9.4. MC-BJ870-SV47 / MC-BU870-TV47 (Malaysia)

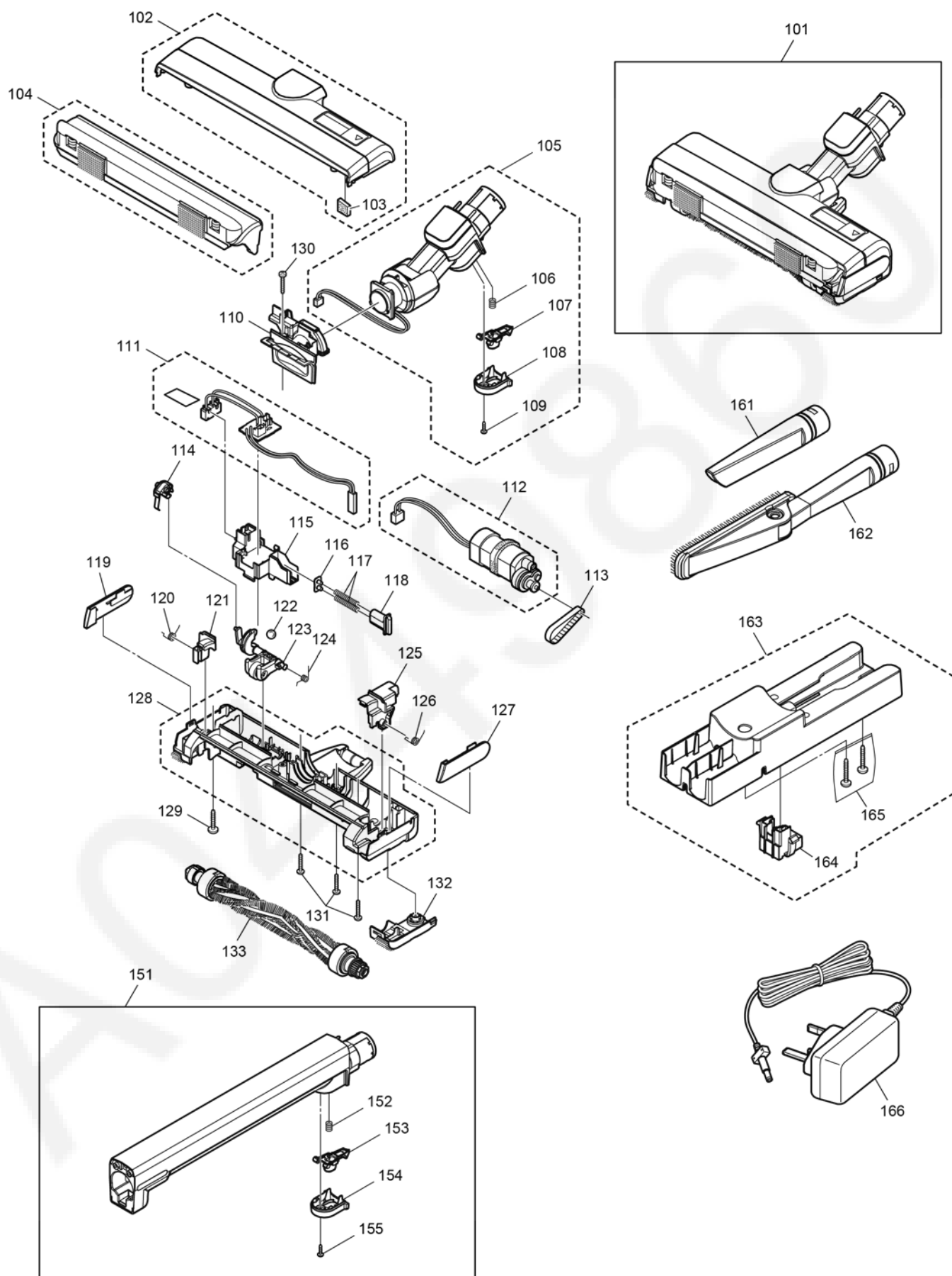
### 9.4.1. Exploded View (Main unit)



## 9.4.2. Parts List (Main unit)

MC-BJ870-SV47 / MC-BU870-TV47 (Malaysia)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	1	AMV05B-LH08	PAINTED HANDLE COVER	1	(T)Rose Brown
	1	AMV05B-LH0S	PAINTED HANDLE COVER	1	(S)Silver Black
	2	AMV0CE-LH0	SEAL PACKING C	1	
	3	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
⚠	4	AMC0NA-ZK0	GLASS TAPE	1	
	5	AMV0BG-LH0	LEAD WIRE A ASSY	1	
	6	AMV84J-LH0J	FRONT BODY ASSY	1	(T)Rose Brown
	6	AMV84J-LH0K	FRONT BODY ASSY	1	(S)Silver Black
	7	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	8	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	2	
	9	AMV80J-LH0	AIR INLET GUIDE UNIT	1	
	10	AMV87V-LH0	P.C.B D UNIT	1	
	11	AMV10G-LH0	NOISE ABSORBER	1	
	12	AMV30L-LH0	OUTLET FILTER	2	
	13	AMV01H-LH0J	FRONT COVER	1	(T)Rose Brown
	13	AMV01H-LH0K	FRONT COVER	1	(S)Silver Black
	14	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	3	
	15	AMV87MNT000J	POWER INDICATOR WINDOW UNIT	1	
	16	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	1	
	17	AMV80W-LH0	P.C.B K UNIT	1	
	18	AMV08M-LH0	INDICATOR WINDOW	1	
	19	AMV93BNT0J0J	HANDLE GRIP UNIT	1	(T)Rose Brown
	19	AMV93BNT0K0J	HANDLE GRIP UNIT	1	(S)Silver Black
	20	AMV85V-LH0	P.C.B B UNIT	1	
	21	AMV66B-LH0J	LOWER HANDLE	1	(T)Rose Brown
	21	AMV66B-LH0K	LOWER HANDLE	1	(S)Silver Black
	22	AMV39H-LH0U	NON-SLIP RUBBER	1	(PANEL PACKING)
	23	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	24	AMV9AANT0T0J	BODY SET	1	(T)Rose Brown
	24	AMV9AANT0S0J	BODY SET	1	(S)Silver Black
	25	AMV03F-LH0	MOTOR SUPPORT RUBBER REAR	1	
⚠	26	AMV90FNT000J	MOTOR ASSY	1	
	27	AMV02F-LH0	MOTOR SUPPORT RUBBER FRONT	1	
	28	AMV96H-LH0J	SUCTION INLET UNIT	1	(T)Rose Brown
	28	AMV96H-LH0K	SUCTION INLET UNIT	1	(S)Silver Black
	29	AMV43K-LH0	PRE FILTER	1	
⚠	30	AMV1AVNT000J	P.C.B HOLDER A UNIT	1	
	31	AMV65A-LH0	BODY PARTITION PACKING	2	
	32	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
⚠	33	AMV97V-NT	LITHIUM ION STORAGE BATTERY	1	(BATTERY UNIT), (Lithium-ion battery)
	35	AMV92A-LH0J	BATTERY COVER	1	(BODY COVER UNIT): (T)Rose Brown
	35	AMV92A-LH0K	BATTERY COVER	1	(BODY COVER UNIT): (S)Silver Black
	36	AMV88KNT030J	DUST BOX	1	(DUST COMPARTMENT UNIT)
	37	AMV85KNT030J	DUST CUP	1	(DUST BOX UNIT)
	38	AMV0VK-LH03	NET FILTER	1	(DUST COMPARTMENT FILTER KIT)
	39	AMV26D-LH02	DUST CUP RELEASE BUTTON	1	(BRACKET BACK)
	40	AMV80K-LH0	DUST BOX SPRING	1	
	41	AMV0HK-LH0	SPONGE FILTER	1	(SPONGE FILTER UNIT)
	42	AMV84K-LH0H	FILTER	1	(FILTER ASSY)
	-	AMV61ZNT000J	INDIVIDUAL CARTON	1	
	-	AMV01ZNT00CJ	INSTRUCTION BOOK	1	
	-	AMV10Z-LH0	BODY BAG	1	
	-	AMV21ZNT00CJ	NOTE LABEL	1	
	-	AMV69Z-LH0	CUSHION A	1	
	-	AMV70Z-LH0	CUSHION B	1	
	-	AMV0TZNT000J	CUSHION C	1	

### 9.4.3. Exploded View (Accessories: Cleaner head nozzle, Power / Extension wand)

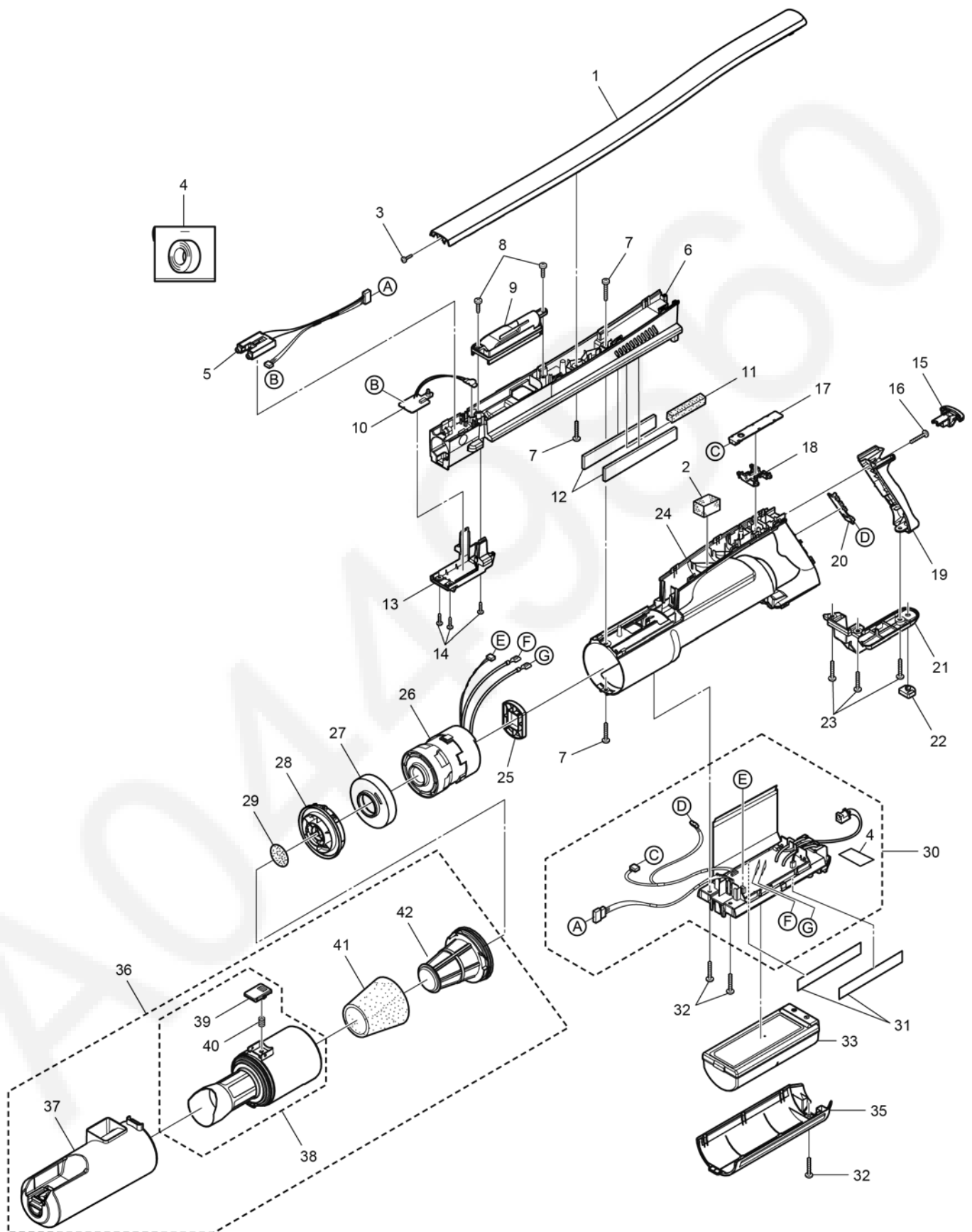


#### 9.4.4. Parts List (Accessories: Cleaner head nozzle, Power / Extension wand)

MC-BJ870-SV47 / MC-BU870-TV47 (Malaysia)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	101	AMV85P-NT08	CLEANER HEAD NOZZLE, POWER	1	(POWER NOZZLE ASSY): (T)Rose Brown
	101	AMV85P-NT0S	CLEANER HEAD NOZZLE, POWER	1	(POWER NOZZLE ASSY): (S)Silver Black
	102	AMV92QNT080J	FLOOR NOZZLE UPPER ASSY	1	(POWER NOZZLE ASSY): (T)Rose Brown
	102	AMV92QNT0S0J	FLOOR NOZZLE UPPER ASSY	1	(POWER NOZZLE ASSY): (S)Silver Black
	103	AMV0BQ-LH0U	FLOOR NOZZLE PACKING B	1	
	104	AMV97L-LH0V	PARTITION COMPLETE	1	
	105	AMV94R-LH08	FLOOR NOZZLE PIPE UNIT	1	(T)Rose Brown
	105	AMV94R-LH0S	FLOOR NOZZLE PIPE UNIT	1	(S)Silver Black
	106	AMV04D-SF0	SPRING BUCKLE	1	
	107	AMV05Q-LH0J	PIPE BACKLE	1	(T)Rose Brown
	107	AMV05Q-LH0K	PIPE BACKLE	1	(S)Silver Black
	108	AMV24D-LH0J	LEAF SPRING	1	(T)Rose Brown
	108	AMV24D-LH0K	LEAF SPRING	1	(S)Silver Black
	109	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
	110	AMV13R-LH0V	FLOOR NOZZLE CENTER	1	
⚠	111	AMV81V-LH0	P.C.B E UNIT	1	
⚠	112	AMV13S-LH0	NOZZLE MOTOR UNIT	1	
	113	AMV28S-LH0	BELT	1	
	114	AMV96S-LH0	LEVER UNIT	1	
	115	AMV03E-LH0J	SWITCH COVER	1	(T)Rose Brown
	115	AMV03E-LH0K	SWITCH COVER	1	(S)Silver Black
	116	AMV53K-LH0	SLIDER SUPPORTER	1	
	117	AMV57K-LH0	SWITCH SLIDER SPRING	2	
	118	AMV48K-LH0	SLIDER	1	
	119	AMV32A-LH0V	BUMPER RIGHT	1	
	120	AMV29D-LH0	SPRING D	1	
	121	AMV17R-LH0J	FLOOR NOZZLE PAD RIGHT	1	(T)Rose Brown
	121	AMV17R-LH0K	FLOOR NOZZLE PAD RIGHT	1	(S)Silver Black
	122	AMC81R-JC0	STEEL BALL	1	
	123	AMV19E-LH0U	SWITCH LEVER UNIT	1	
	124	AMV08E-E00	SWITCH SPRING	1	
	125	AMV16R-LH0J	FLOOR NOZZLE PAD LEFT	1	(T)Rose Brown
	125	AMV16R-LH0K	FLOOR NOZZLE PAD LEFT	1	(S)Silver Black
	126	AMV35D-LH0	SPRING B	1	
	127	AMV30A-LH0V	BUMPER LEFT	1	
	128	AMV97R-LH0J	FLOOR NOZZLE LOWER UNIT	1	(T)Rose Brown
	128	AMV97R-LH0K	FLOOR NOZZLE LOWER UNIT	1	(S)Silver Black
	129	AMV68A-FK0	SCREW	1	
	130	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	1	
	131	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	3	
	132	AMV98Q-LH0J	BRUSH COVER	1	(BRUSH COVER UNIT): (T)Rose Brown
	132	AMV98Q-LH0K	BRUSH COVER	1	(BRUSH COVER UNIT): (S)Silver Black
	133	AMV92R-LH0B	AGITATOR ASSEMBLY	1	
	151	AMV99P-LH08	EXTENSION WAND	1	(EXTENSION WAND ASSY): (T)Rose Brown
	151	AMV99P-LH0S	EXTENSION WAND	1	(EXTENSION WAND ASSY): (S)Silver Black
	152	AMV04D-LH0	SPRING BUCKLE	1	
	153	AMV05Q-LH0J	PIPE BACKLE	1	
	153	AMV05Q-LH0K	PIPE BACKLE	1	
	154	AMV32D-LH0J	BUCKLE PLATE	1	
	154	AMV32D-LH0K	BUCKLE PLATE	1	
	155	XTN3+8BFJK	PAN HEAD TAPPING SCREWS	1	
	161	AMV97Q-LH0	CREVICE TOOL	1	(CREVICE TOOL UNIT)
	162	AMV88R-LH0V	DUSTING BRUSH	1	(DUSTING NOZZLE UNIT)
	163	AMV17V-LH0V	CHARGING BASE	1	(RECHARGE BASE UPPER UNIT)
	164	AMV14W-LH0L	PLUG COVER	1	
	165	AMV88Z-LH0	SCREW BAG UNIT	1	
⚠	166	AMV61V-NTC	CHARGING ADAPTER	1	(BATTERY CHARGER)

## 9.5. MC-BJ870-SZ47 (Saudi Arabia)

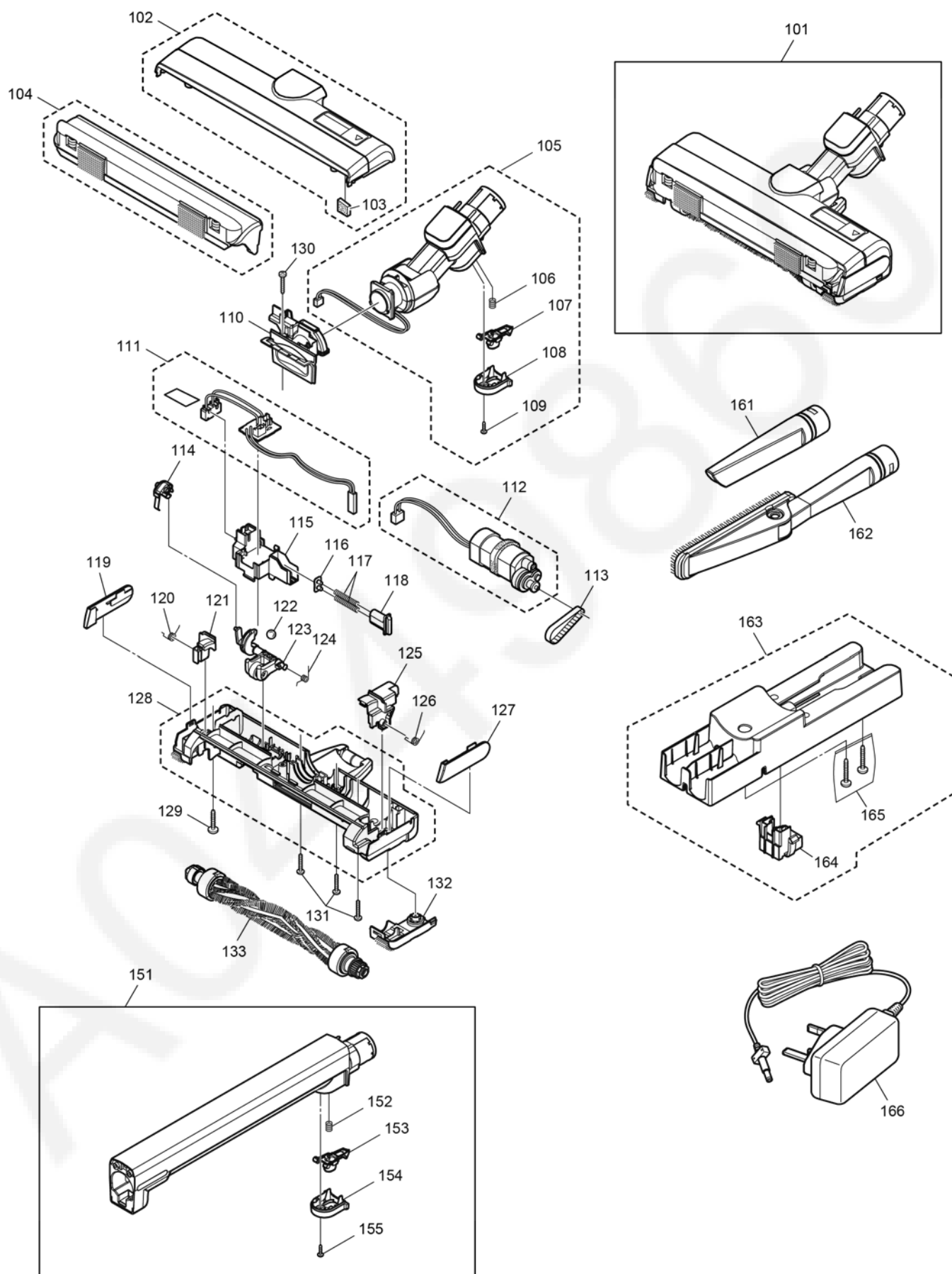
### 9.5.1. Exploded View (Main unit)



## 9.5.2. Parts List (Main unit)

MC-BJ870-SZ47 (Saudi Arabia)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	1	AMV05B-LH0S	PAINTED HANDLE COVER	1	(S)Silver Black
	2	AMV0CE-LH0	SEAL PACKING C	1	
	3	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
⚠	4	AMC0NA-ZK0	GLASS TAPE	1	
	5	AMV0BG-LH0	LEAD WIRE A ASSY	1	
	6	AMV84J-LH0K	FRONT BODY ASSY	1	(S)Silver Black
	7	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	8	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	2	
	9	AMV80J-LH0	AIR INLET GUIDE UNIT	1	
	10	AMV87V-LH0	P.C.B D UNIT	1	
	11	AMV10G-LH0	NOISE ABSORBER	1	
	12	AMV30L-LH0	OUTLET FILTER	2	
	13	AMV01H-LH0K	FRONT COVER	1	(S)Silver Black
	14	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	3	
	15	AMV87MNT000J	POWER INDICATOR WINDOW UNIT	1	
	16	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	1	
	17	AMV80W-LH0	P.C.B K UNIT	1	
	18	AMV08M-LH0	INDICATOR WINDOW	1	
	19	AMV93BNT0K0J	HANDLE GRIP UNIT	1	(S)Silver Black
	20	AMV85V-LH0	P.C.B B UNIT	1	
	21	AMV66B-LH0K	LOWER HANDLE	1	(S)Silver Black
	22	AMV39H-LH0U	NON-SLIP RUBBER	1	(PANEL PACKING)
	23	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
	24	AMV9AANT0S0J	BODY SET	1	(S)Silver Black
	25	AMV03F-LH0	MOTOR SUPPORT RUBBER REAR	1	
⚠	26	AMV90FNT000J	MOTOR ASSY	1	
	27	AMV02F-LH0	MOTOR SUPPORT RUBBER FRONT	1	
	28	AMV96H-LH0K	SUCTION INLET UNIT	1	(S)Silver Black
	29	AMV43K-LH0	PRE FILTER	1	
⚠	30	AMV1AVNT000J	P.C.B HOLDER A UNIT	1	
	31	AMV65A-LH0	BODY PARTITION PACKING	2	
	32	XTN4+14BFJK	PAN HEAD TAPPING SCREWS	3	
⚠	33	AMV97V-NT	LITHIUM ION STORAGE BATTERY	1	(BATTERY UNIT), (Lithium-ion battery)
	35	AMV92A-LH0K	BATTERY COVER	1	(BODY COVER UNIT): (S)Silver Black
	36	AMV88KNT030J	DUST BOX	1	(DUST COMPARTMENT UNIT)
	37	AMV85KNT030J	DUST CUP	1	(DUST BOX UNIT)
	38	AMV0VK-LH03	NET FILTER	1	(DUST COMPARTMENT FILTER KIT)
	39	AMV26D-LH02	DUST CUP RELEASE BUTTON	1	(BRACKET BACK)
	40	AMV80K-LH0	DUST BOX SPRING	1	
	41	AMV0HK-LH0	SPONGE FILTER	1	(SPONGE FILTER UNIT)
	42	AMV84K-LH0H	FILTER	1	(FILTER ASSY)
	-	AMV61ZNT000J	INDIVIDUAL CARTON	1	
	-	AMV01ZNT00CJ	INSTRUCTION BOOK	1	
	-	AMV10Z-LH0	BODY BAG	1	
	-	AMV21ZNT00CJ	NOTE LABEL	1	
	-	AMV69Z-LH0	CUSHION A	1	
	-	AMV70Z-LH0	CUSHION B	1	
	-	AMV0TZNT000J	CUSHION C	1	

### 9.5.3. Exploded View (Accessories: Cleaner head nozzle, Power / Extension wand)



#### 9.5.4. Parts List (Accessories: Cleaner head nozzle, Power / Extension wand)

MC-BJ870-SZ47 (Saudi Arabia)					
Safety	Ref.No	Service Parts No.	Part Name & Description	Q'TY	Remarks
	101	AMV85P-NT0S	CLEANER HEAD NOZZLE, POWER	1	(POWER NOZZLE ASSY): (S)Silver Black
	102	AMV92QNT0S0J	FLOOR NOZZLE UPPER ASSY	1	(POWER NOZZLE ASSY): (S)Silver Black
	103	AMV0BQ-LH0U	FLOOR NOZZLE PACKING B	1	
	104	AMV97L-LH0V	PARTITION COMPLETE	1	
	105	AMV94R-LH0S	FLOOR NOZZLE PIPE UNIT	1	(S)Silver Black
	106	AMV04D-5F0	SPRING BUCKLE	1	
	107	AMV05Q-LH0K	PIPE BACKLE	1	(S)Silver Black
	108	AMV24D-LH0K	LEAF SPRING	1	(S)Silver Black
	109	XTN3+10BFJK	PAN HEAD TAPPING SCREWS	1	
	110	AMV13R-LH0V	FLOOR NOZZLE CENTER	1	
⚠	111	AMV81V-LH0	P.C.B E UNIT	1	
⚠	112	AMV13S-LH0	NOZZLE MOTOR UNIT	1	
	113	AMV28S-LH0	BELT	1	
	114	AMV96S-LH0	LEVER UNIT	1	
	115	AMV03E-LH0K	SWITCH COVER	1	(S)Silver Black
	116	AMV53K-LH0	SLIDER SUPPORTER	1	
	117	AMV57K-LH0	SWITCH SLIDER SPRING	2	
	118	AMV48K-LH0	SLIDER	1	
	119	AMV32A-LH0V	BUMPER RIGHT	1	
	120	AMV29D-LH0	SPRING D	1	
	121	AMV17R-LH0K	FLOOR NOZZLE PAD RIGHT	1	(S)Silver Black
	122	AMC81R-JC0	STEEL BALL	1	
	123	AMV19E-LH0U	SWITCH LEVER UNIT	1	
	124	AMV08E-E00	SWITCH SPRING	1	
	125	AMV16R-LH0K	FLOOR NOZZLE PAD LEFT	1	(S)Silver Black
	126	AMV35D-LH0	SPRING B	1	
	127	AMV30A-LH0V	BUMPER LEFT	1	
	128	AMV97R-LH0K	FLOOR NOZZLE LOWER UNIT	1	(S)Silver Black
	129	AMV68A-FK0	SCREW	1	
	130	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	1	
	131	XTN3+10BFJ	PAN HEAD TAPPING SCREWS	3	
	132	AMV98Q-LH0K	BRUSH COVER	1	(BRUSH COVER UNIT): (S)Silver Black
	133	AMV92R-LH0B	AGITATOR ASSEMBLY	1	
	151	AMV99P-LH0S	EXTENSION WAND	1	(EXTENSION WAND ASSY): (S)Silver Black
	152	AMV04D-LH0	SPRING BUCKLE	1	
	153	AMV05Q-LH0K	PIPE BACKLE	1	
	154	AMV32D-LH0K	BUCKLE PLATE	1	
	155	XTN3+8BFJK	PAN HEAD TAPPING SCREWS	1	
	161	AMV97Q-LH0	CREVICE TOOL	1	(CREVICE TOOL UNIT)
	162	AMV88R-LH0V	DUSTING BRUSH	1	(DUSTING NOZZLE UNIT)
	163	AMV17V-LH0V	CHARGING BASE	1	(RECHARGE BASE UPPER UNIT)
	164	AMV14W-LH0L	PLUG COVER	1	
	165	AMV88Z-LH0	SCREW BAG UNIT	1	
⚠	166	AMV61V-NTC	CHARGING ADAPTER	1	(BATTERY CHARGER)