

## SAFETY INSTRUCTIONS

Please read safety rules and this Operation Manual before operating this vacuum cleaner. When operating this appliance, the basic safety rules shall be strictly observed to prevent any occurrence of fire, electric shock and personal injury. The safety rules are described below.

### Safety Rules

1. Please read through this Operation Manual before operation.
2. It is prohibited to operate outdoor.
3. Never touch this cleaner with rain or water, and never use it in wet room, such as bath and laundry room.
4. Before operation, remove clothes, paper, cable, extension cable scattered on the floor, roll up the curtains and drapes if any to avert the possible accident. In case the cable is entangled into this cleaner, the cable will move around as the cleaner is working and finally topple down the table, chairs, even cabinet and cupboard.
5. Never let your kids and pets stand on the cleaner.
6. Never use the cleaner to clean the firing cigarette butt, match and cigarette ash.
7. Never use the cleaner to clean high volatile liquid such as gasoline and grease remover.
8. If the room links to the balcony, please close the balcony door to prevent the cleaner from running into the balcony.
9. In operation, care shall be taken to avert the heat vent from being clogged which would lead to damage to the cleaner.
10. If the cleaner is out of work or damaged, never use it regardless whatever the trouble will be.
11. If not use for a long time, be sure to turn off the power, and take out the battery.

### Battery Feature

1. Standard rechargeable battery type: Ni-Cd 2,400 mA
2. Full function running time: Approx 60 minutes when the battery is fully charged.  
(Vacuum + Sweeping + MOP Cleaning)
3. MOP function running time: Approx 150 minutes when the battery is fully charged.
4. Charging time: Approx 8 to 12 hours for full charge.  
(Over-charge protection device enables the unit to stop charging after 12 hours)  
(Optional Accessory: Quick charger - Approx 1 to 2 hours)

## SAFETY INSTRUCTIONS

### Battery and Recharging Method

1. The battery is rechargeable. Please use the voltage and current specified on the packing. If you are not sure what the voltage or current your house is, please contact your distributor or the local power company.
2. Use the authorized battery only.
3. Use the authorized charger to recharge the battery.
4. Never use the battery again if the cable or plug of the battery is damaged.
5. Use the indoor charger only.
6. Never touch the charger, plug and cable with wet hands.
7. If the cleaner itself requires cleaning, stop recharging and take out the battery.

## SPECIAL FEATURES

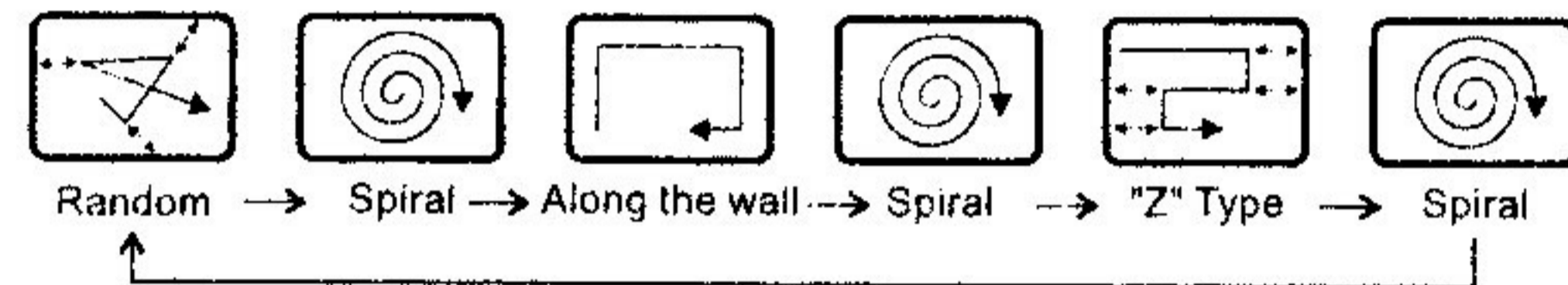
First of all, it is our pleasure you have made a wise choice of this RVC-17 smart multifunction vacuum cleaner.

Its epochal revolutionary automatic vacuum cleaner, professionally designed remote control and dust mopping paper make it best suitable for cleaning the house floor, including wooden tile, synthetic plastic tile, ceramic tile short woolen carpet. RVC-17 Smart cleaner is definitely an automatic-housing helper. Once the RVC-17 Smart cleaner is started up, it runs in four courses of movement, random-->spiral movement-->

along the wall-->spiral-->"Z" type-->spiral-->random... Its movement covers every corner of the room. When it confronts obstacles such as wall and furniture, it will continue moving along the side of wall or the furniture. The rubber sweeper will excavate the dust and ashes and collect them in the dust bin. After finishing one wall, it will make a 90 degree turn to another one and repeat its zig-zag motion. This movement ensures a thorough cleaning of the room.

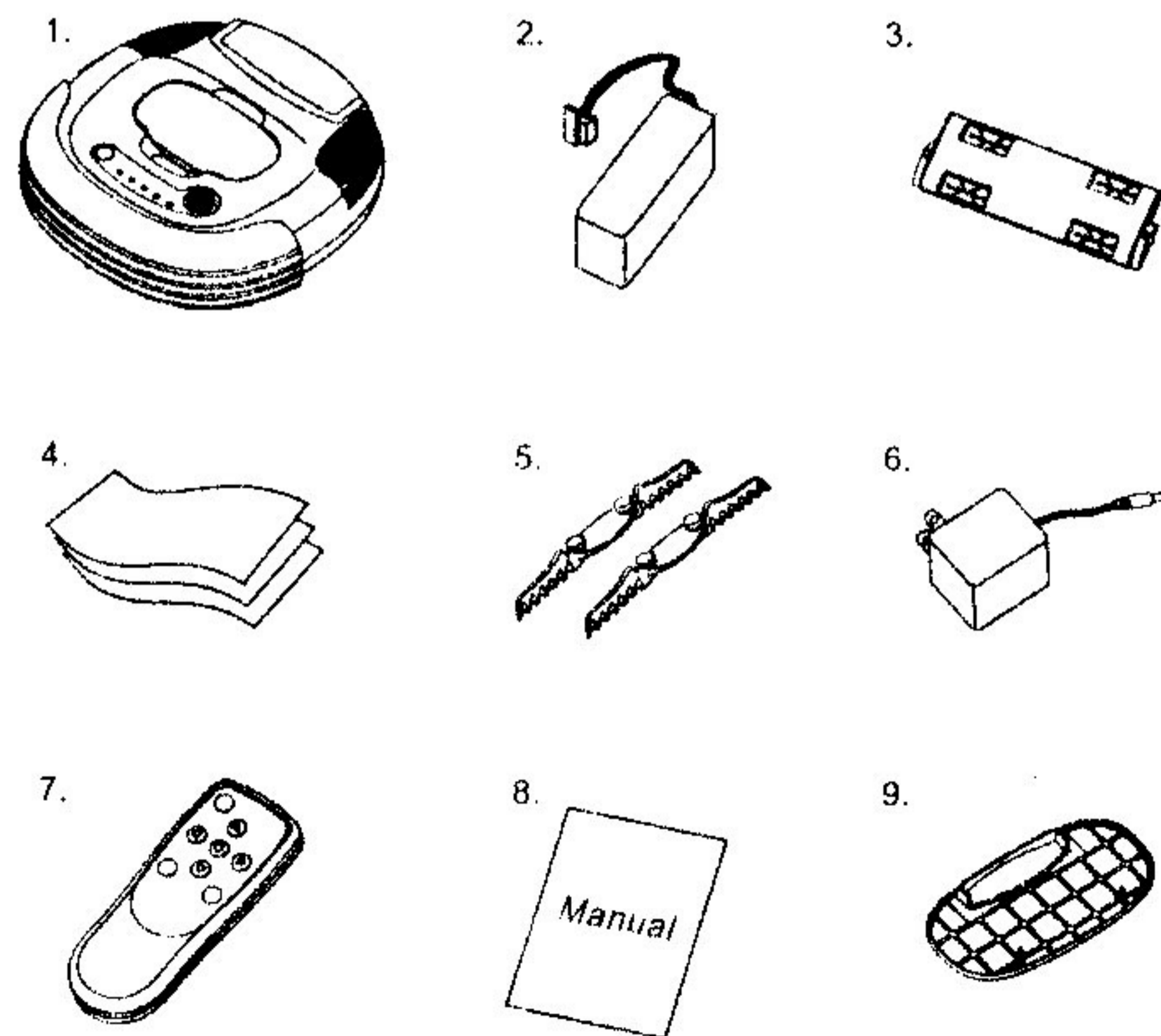
In addition, the RVC-17 Smart cleaner is equipped with an intelligent optical sensor. When the battery soon runs out of power, it moves to a bright place and stops there.

At night when it cannot sense any light source, it automatically stops after seven minutes of searching.

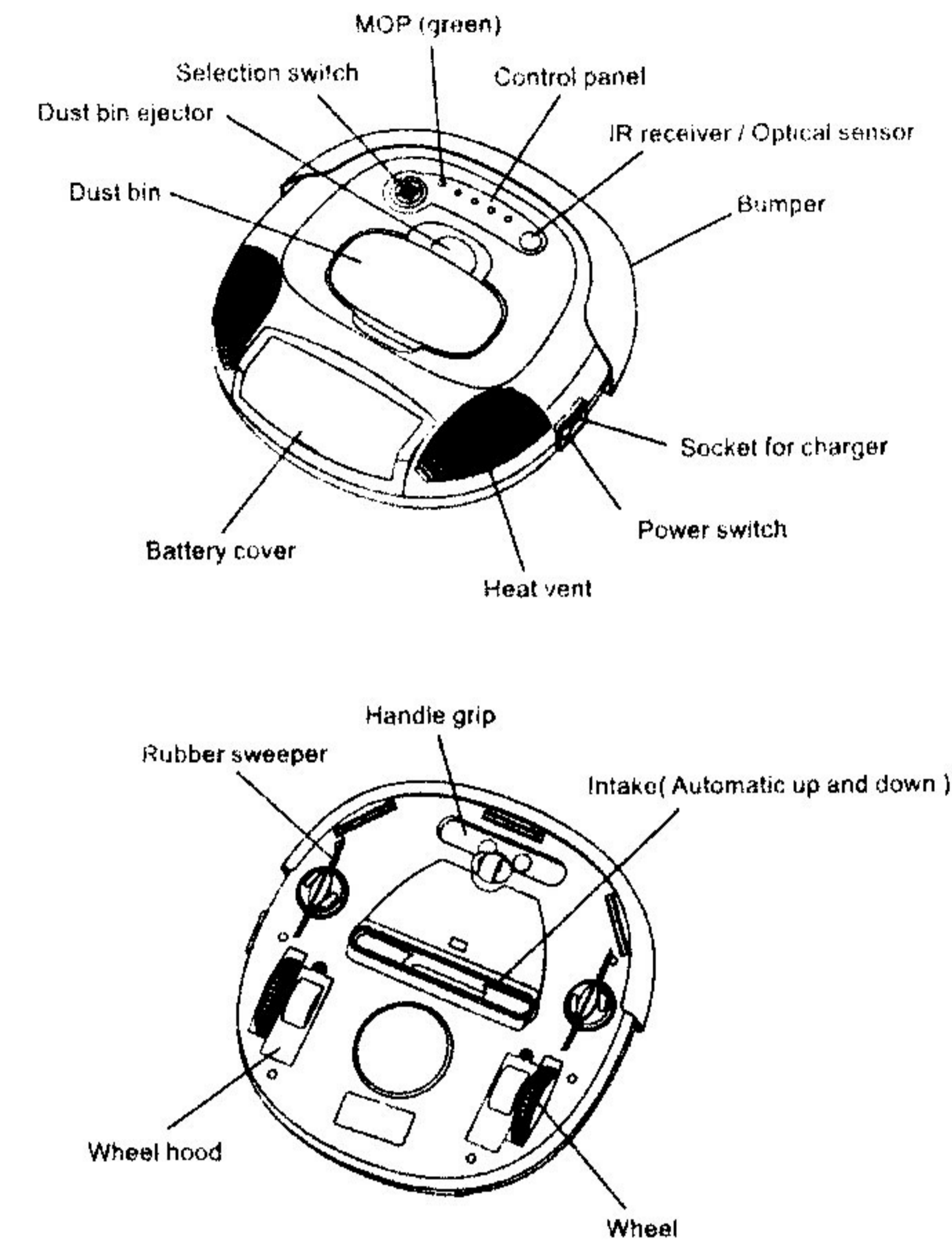


## MAJOR COMPONENTS AND ATTACHMENTS

1. RVC-17 Cleaner x 1
  2. Rechargeable battery x 1
  3. Dust paper holder x 1
  4. Dust paper x 3
  5. Rubber sweeper x 2
  6. AC Power transformer ( DC 24V 500mA ) x 1
  7. Remote controller x 1
  8. Operation Manual x 1
  9. Spare dust bin filter x 1
- (Note: The filter is good for 3 to 6 months in normal use)

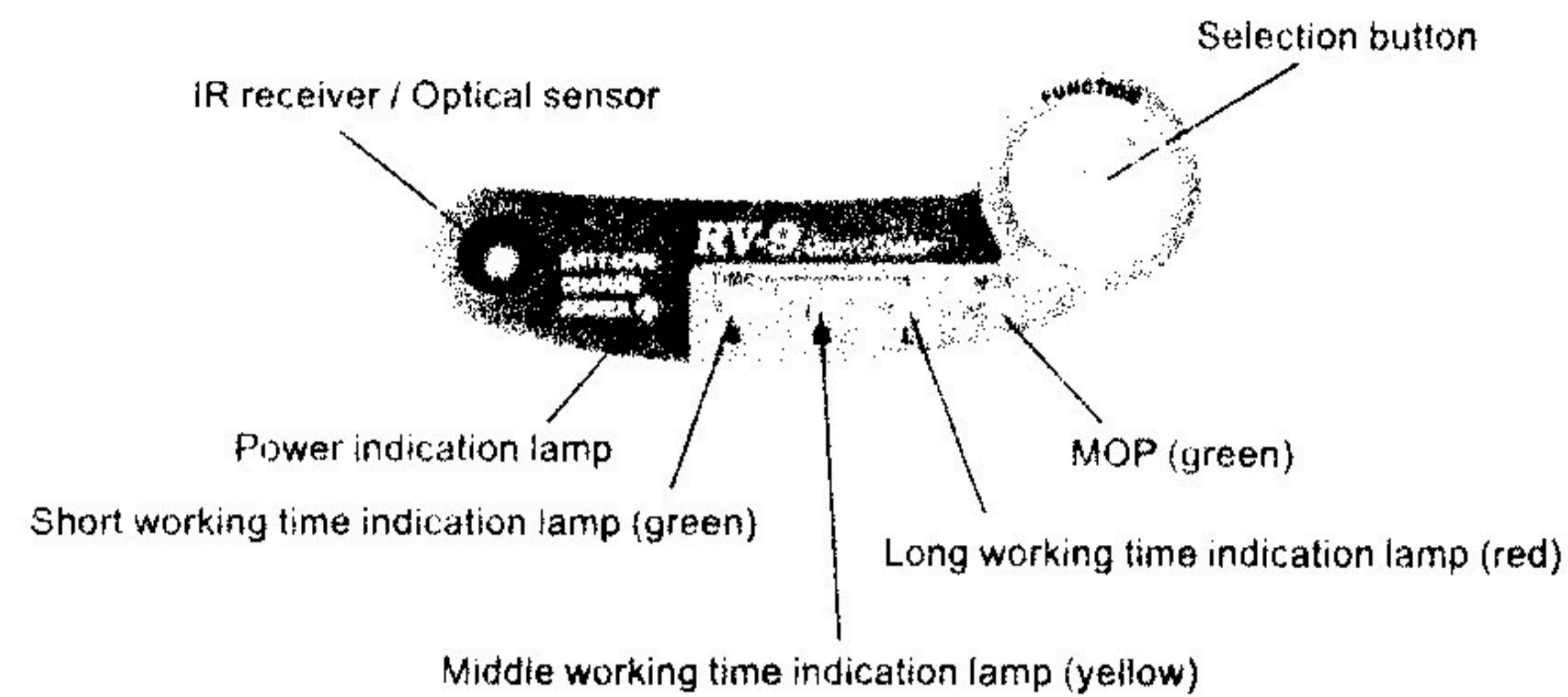


## NOMENCLATURE



## CONTROL PANEL

1. Power Switch, the green indication lamp lights when it is on.
2. Press the selection button to set working time. Touch again shift it to " S " position ( about 20 minutes), to " M " position (about 40 minutes), and to " L " position (about 60 minutes).
3. When the battery runs out of power, the red indication lamp will flash (see battery power indication lamp).
4. When you press VAC (on/off) button on remote control the MOP indicator will light on and the vacuum motor and sweep motor will stop.



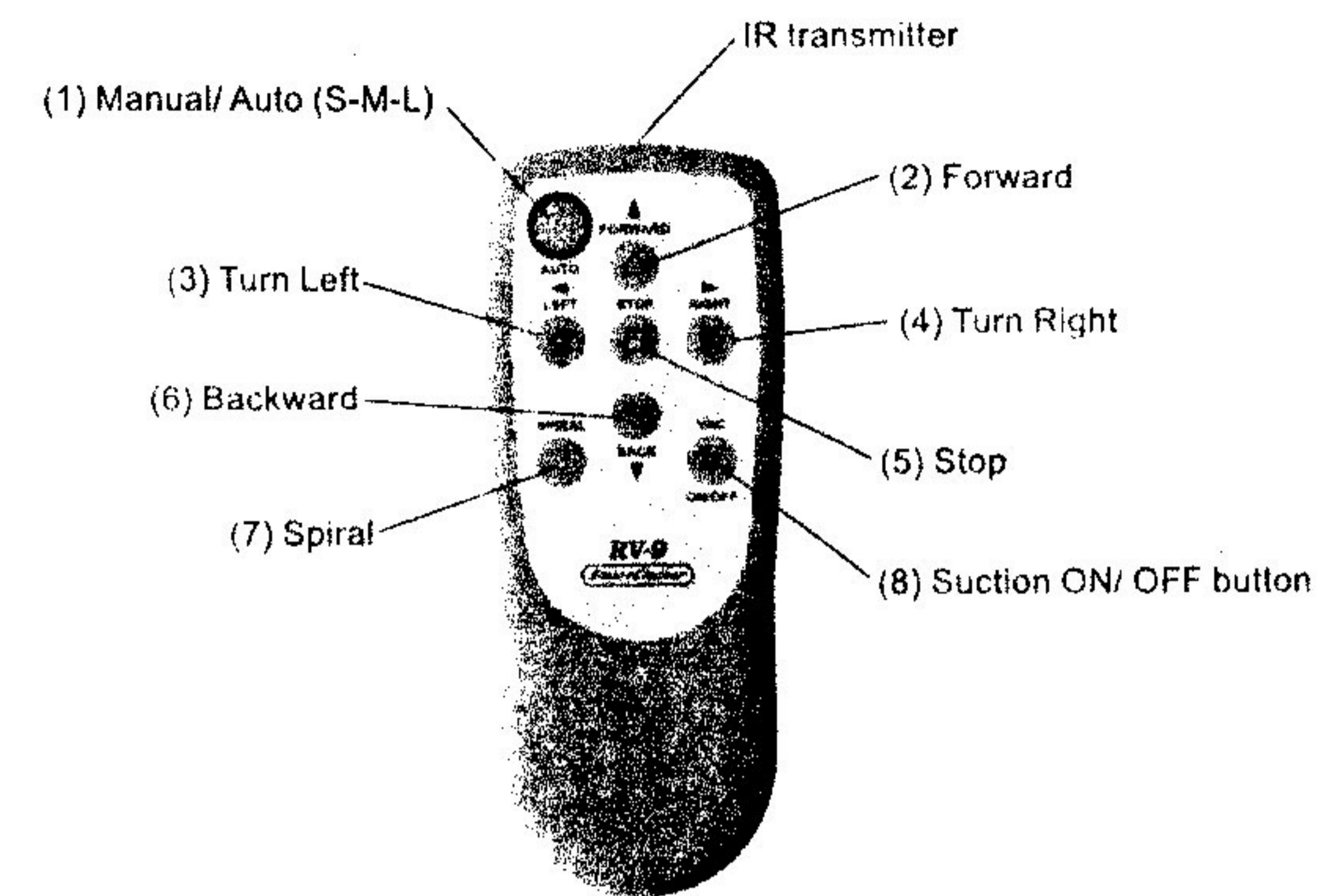
### Battery Power Indication Lamp

The battery power indication lamp will light only if the cleaner power is turned on. When no in use, always turn off the power switch of the cleaner.

Power indication lamp color	Power indication
Green	Sufficient
Red flashing	Power runs short, requiring recharging
Green flashing	During recharging
Red	Abnormal/lifting up

### FUNCTIONS OF REMOTE CONTROL

1. Properly insert two pieces of " AAA " battery before using.
2. Point the front of the remote control towards the IR receiver of the RVC-17 Smart cleaner.
3. Manually set the working time by shifting the selection button to (S)-(M)-(L) position.
4. Button functions:
  - (1) Manual/Auto (S-M-L): Pressing this button will switch from Manual mode to Auto mode. Pressing it again will switch it to another operation mode (S->M->L).
  - (2) Forward: Pressing it once makes the Smart cleaner go straight continuously until it encounters a wall or an obstacles or press remote control " Stop " button let it stop.
  - (3) Turn Left: Pressing it once make the Smart cleaner turn left for one second. Pressing and holding the button make it turn left continuously.
  - (4) Turn Right: Pressing it once make the smart cleaner turn right for one second. Pressing and holding the button make it turn right continuously.
  - (5) Stop: Pressing it once stops smart cleaner immediate.
  - (6) Backward: Pressing it once make the smart cleaner go backward for one second.
  - (7) Spiral: Pressing it once make smart cleaner go spiral until it encounter a wall or an obstacles. When it encounters one, it will automatically switch into " Auto " mode.
  - (8) Suction ON/ OFF button: Pressing it to stop or activate the operation of suction motor and sweeper motors.



### MOUNTING AND DISMOUNTING BATTERY

1. Make sure the smart cleaner is off before mounting or dismounting the battery.
2. Press the battery cover and push in the direction of the arrows to open it as shown in Fig.1
3. Insert the battery plug into the socket (please note the direction) as shown in Fig.2
4. Place the battery in the battery reservoir and close the battery cover.
5. The dismounting procedures are the reversed actions; however make sure the battery cover fits in the lock slot.

Fig. 1

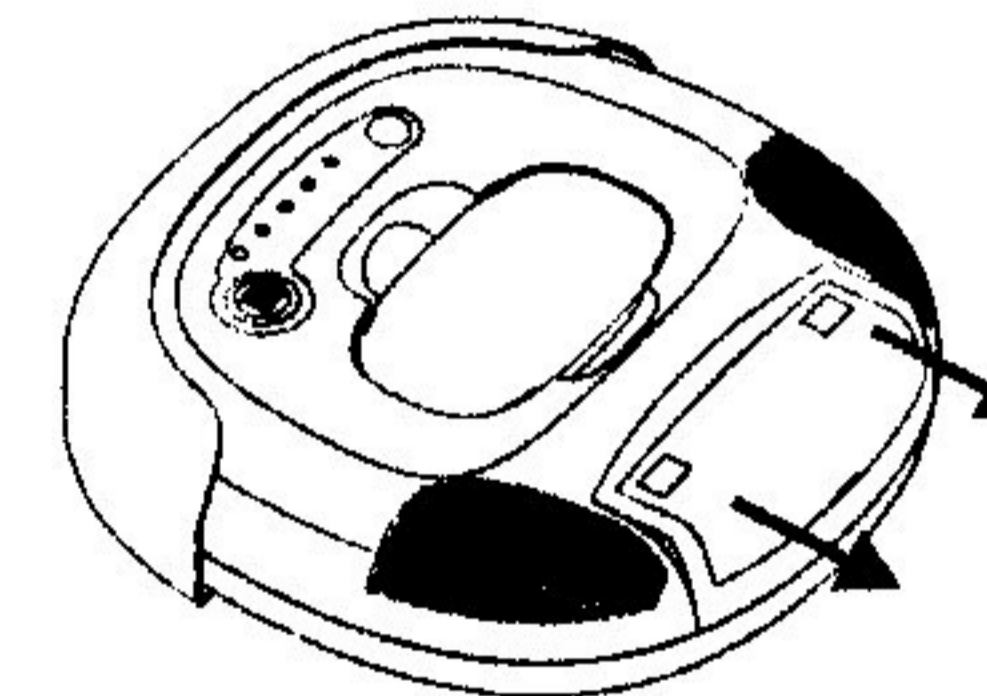
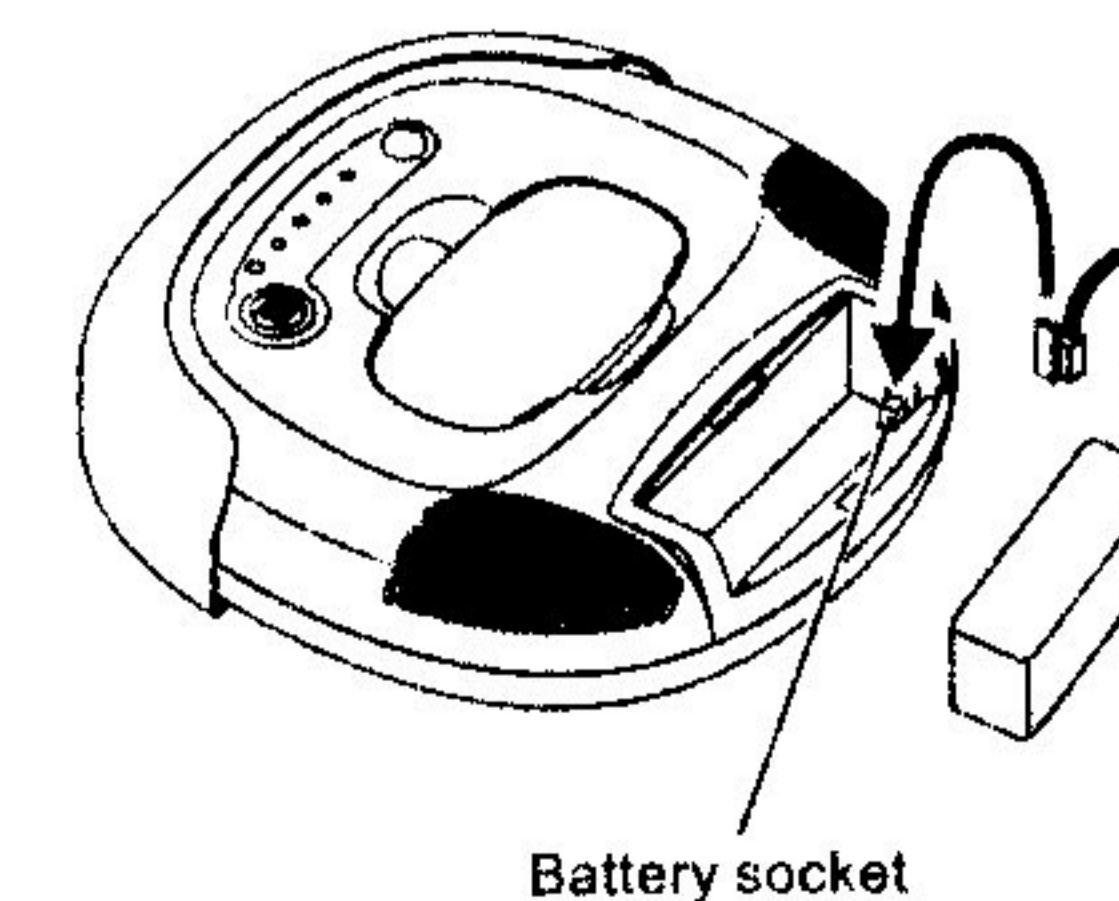
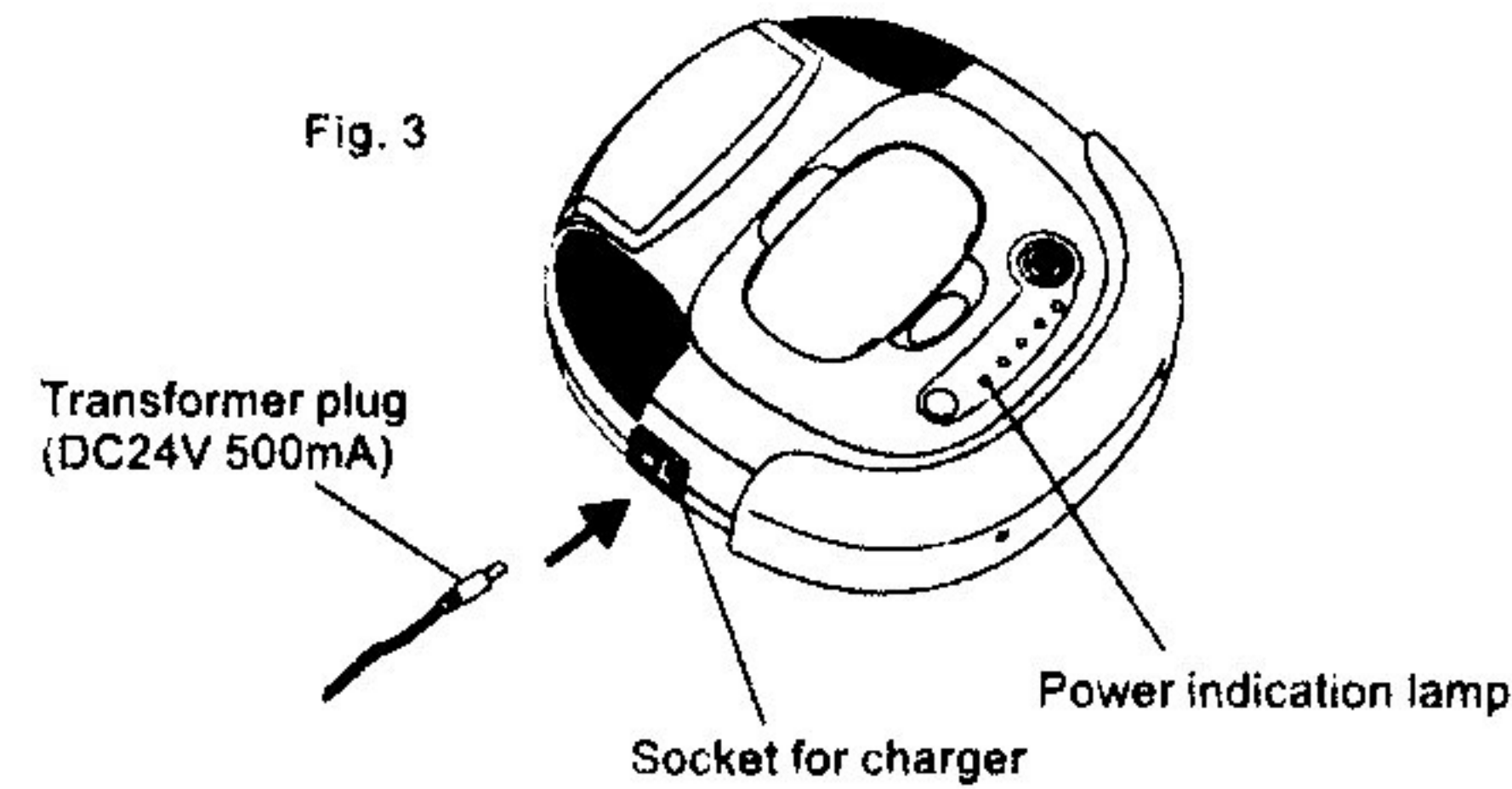


Fig. 2



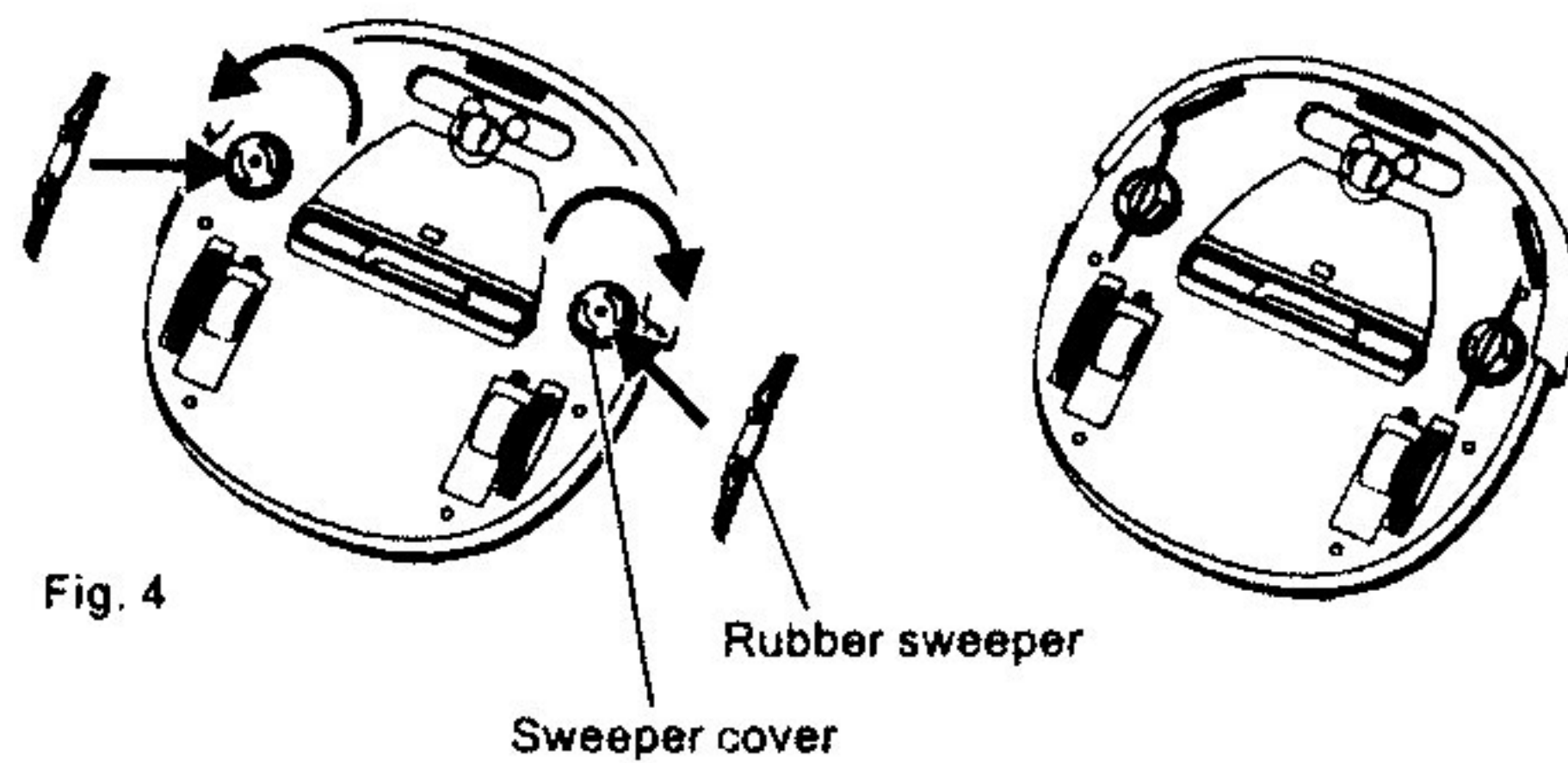
## RECHARGING BATTERY

1. It takes 8~12 hours to fully recharge the battery.
2. If the power indication lamp on the control panel flashing red, it indicates that the battery needs recharging immediately.
3. Make sure the cleaner is off and the battery is properly mounted.
4. Plug one end of the AC power transformer into the AC power outlet, and another end into the side socket of cleaner as shown in Fig.3
5. At this moment, the power indication lamp on the control panel will flash green.
6. The power indication lamp stays in green when the battery is fully recharged.



## INSTALLING BASIC ACCESSORIES

1. Mount two pieces of the rubber sweeper on the bottom rubber gasket, the right sweeper runs clockwise and the left sweeper runs counter-clockwise as shown in Fig.4



## GENERAL OPERATION

### Preparation for Operation

1. To ensure the best working efficiency of the RVC-17 Smart Cleaner, first is to remove clothes, paper, cable, extension cable scattered on the floor, roll up the curtains and drapes if any to avert the possible accident. In case the cable is entangled into this cleaner, the cable will move around as the cleaner is working and finally topple down the table, chairs, even cabinet and cupboard.

**\* Do not use on the shag carpet.**

2. If it is the first time to use the RVC-17 Smart Cleaner, the whole operation processing should be carefully monitored to ensure it work smoothly. If it is besieged on uneven floor or under the furniture or wheels stopped for 10 seconds, the cleaner will cut off the power automatically for safety purpose.

### Starting Operation

1. Clean the dust bin.
2. Place the RVC-17 Smart Cleaner on place with more free space in the room.
3. Turn the power switch on right side of the cleaner.
4. Press the selection button and set up the working time  
S (about 20 minutes) –M (about 40 minutes) or L (about 60 minutes).
5. After 2 seconds, RVC-17 Smart Cleaner begins cleaning automatically.
6. When the job is completed, the cleaner emits a buzz of warning and stops. If the power indication lamp turn to Red flashing( Battery low ) at the same time. The unit will emit a buzz in every minute until you switch off power switch or battery exhausted.

### Stopping Operation

1. Press the " STOP " switch off you want to stop the operation of the cleaner immediately or lift the RVC-17 Smart Cleaner from the floor, it will stops after 3 seconds.
2. Press the " STOP " on the remote control.
3. If you want it to continue working, place the RVC-17 Smart Cleaner on the floor and press " AUTO " button on the remote control.
4. The RVC-17 Smart Cleaner is designed with a series protective measure, once it is lifted up off the floor or stopped at operation, it automatically shut off the power.

## USING DUST MOPPING PAPER

### Installing Dust Mopping Paper

1. Insert the border of dust paper into the grip slot of the dust mopping paper holder as shown in Fig.5
2. Press the two side of the dust mopping paper into the clips of the dust mopping paper holder as shown in Fig.6

### Starting Operation

1. Press " Suction ON/OFF " button on remote control to stop the operation of suction motor and sweeper motors, it is a way to save energy and keep its noise to the minimum.
2. Starting the operation as descried in the General Operation (please see page 10).

**\*Do not use mopping function on the carpet.**

Fig. 5

Dust mopping paper Specially for RV9 Smart Cleaner

Dust mopping paper holder

Grip slot

Fig. 6

Dust mopping paper holder click on

## CLEANING AND MAINTENANCE

### Maintenance Method

The operation and maintenance of the RVC-17 cleaner is very simple. Keep in mind to clean up the ashes left on the dust bin and the filter. It is not necessary to clean the intake and the rubber sweeper every time.

### Cleaning Dust Bin

1. Press the ejection button as the arrow shown in Fig.7
2. Release the dust bin from the grip slot and take out the dust bin as shown in Fig.8

Fig. 7

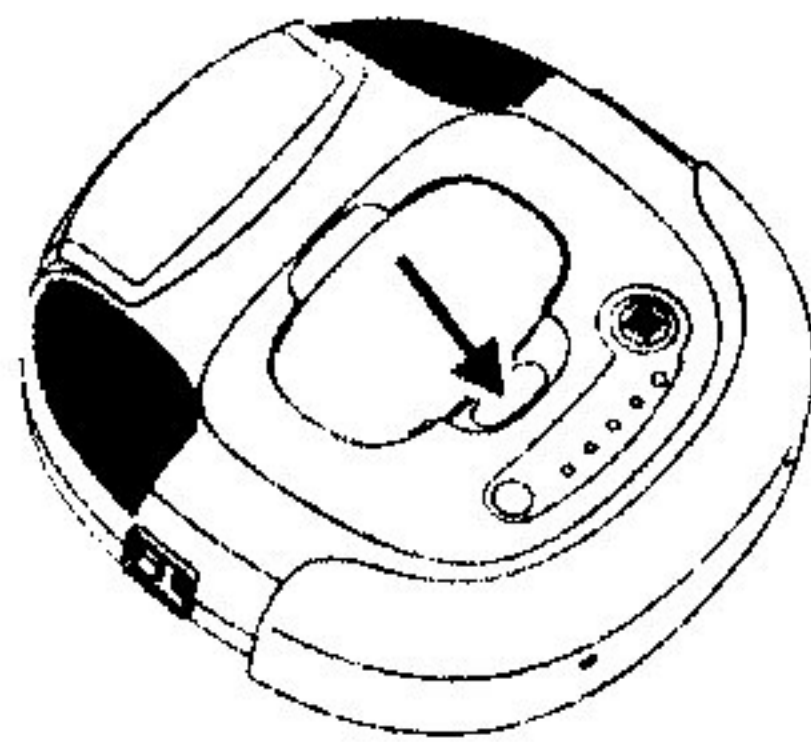
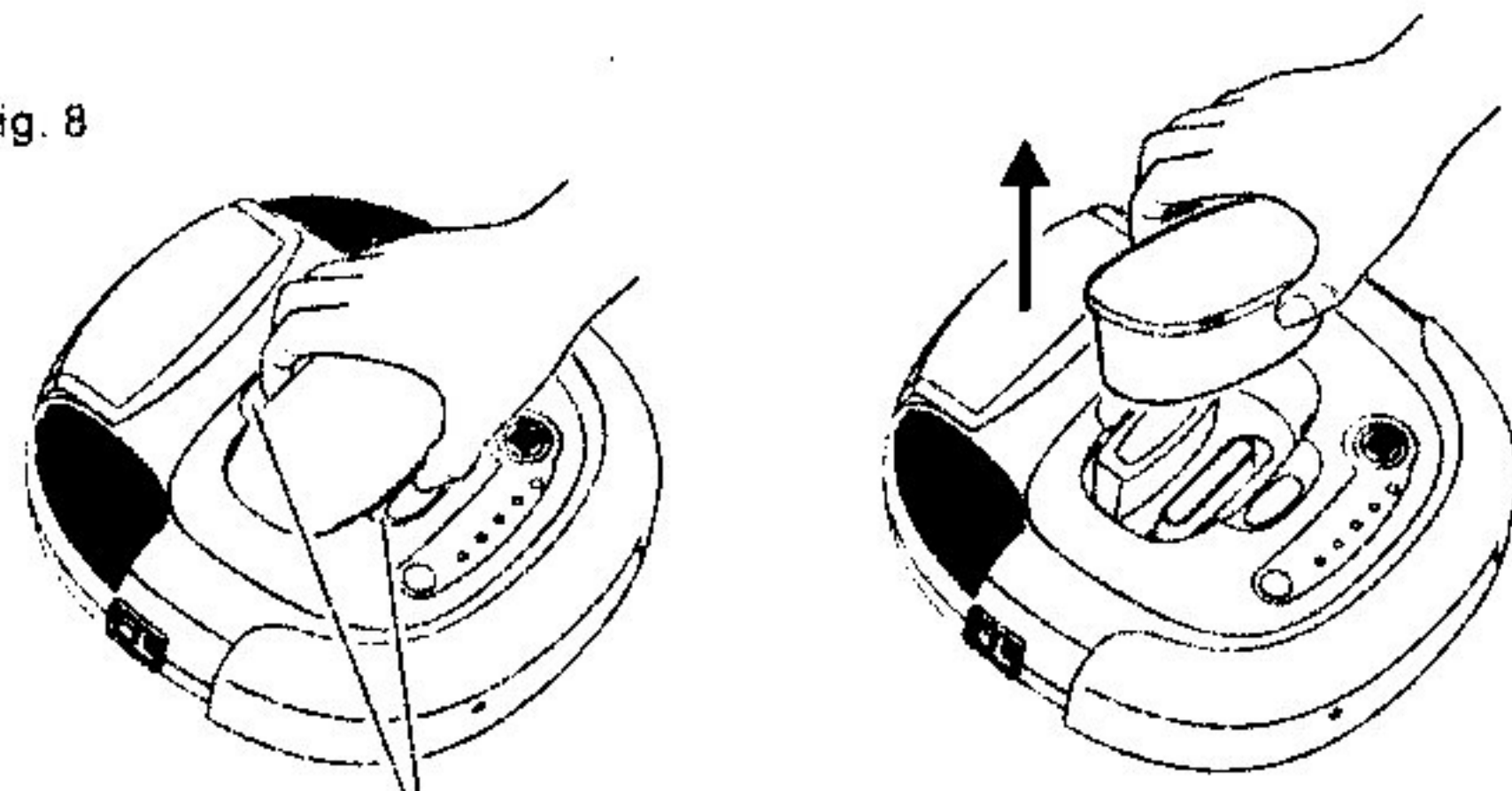


Fig. 8

Grip slot for the dust bin



3. Open the upper cover of the dust bin as shown in Fig.9
4. Lift up and take out the filter as shown in Fig.10
5. Dump the ashes of the dust bin into the ash bin as shown in Fig.11

Fig. 9

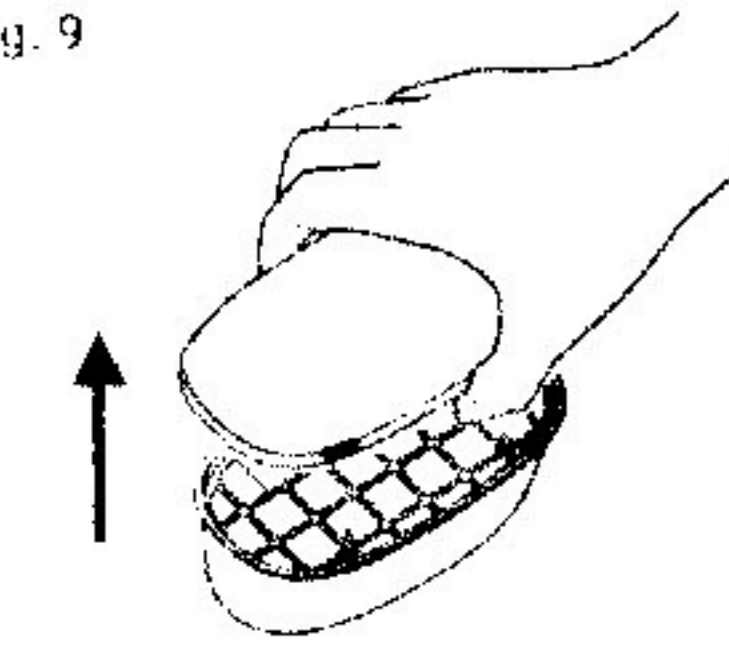


Fig. 10

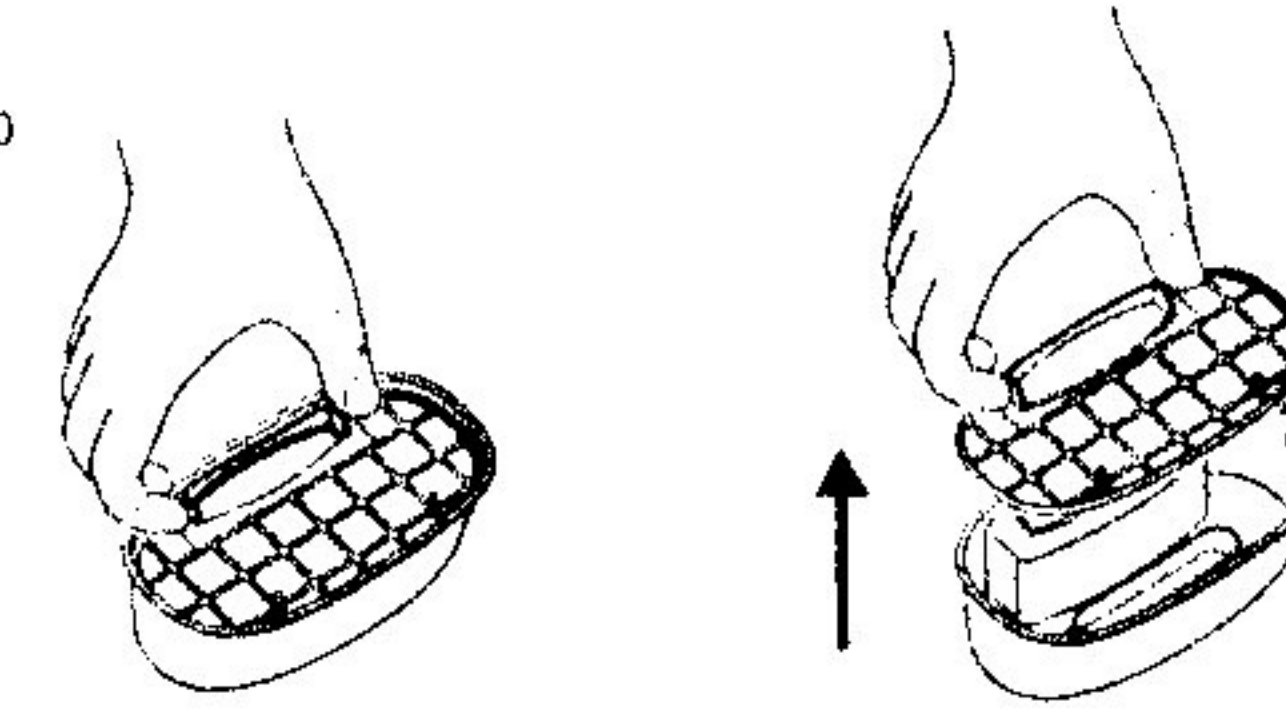
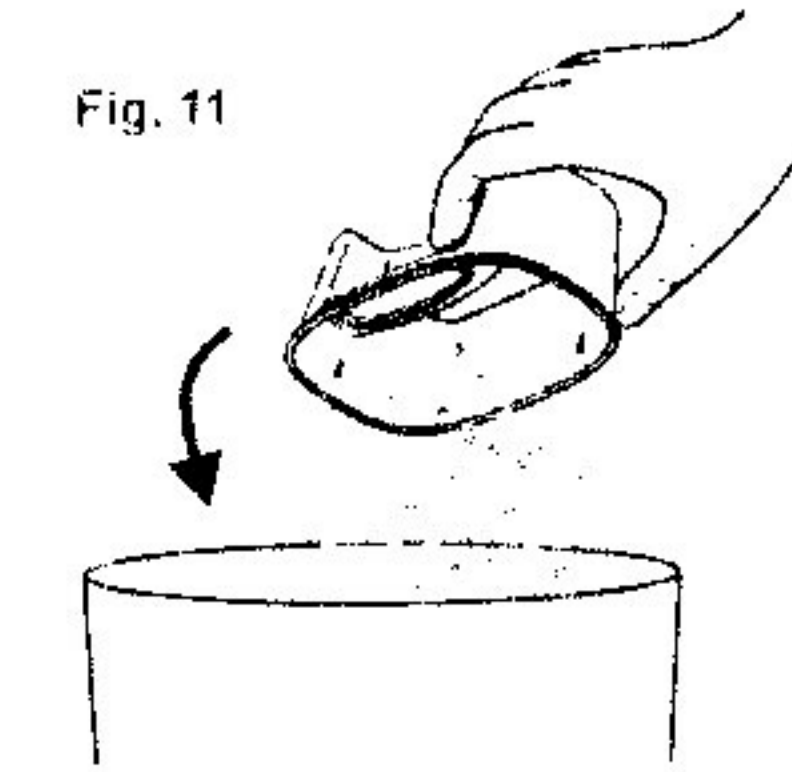


Fig. 11



6. Rinse the dust bin with the tap water as shown in Fig.12, it is not necessary to wash every time.
7. Clean the filter with used toothbrush as shown in Fig.13

Fig. 12

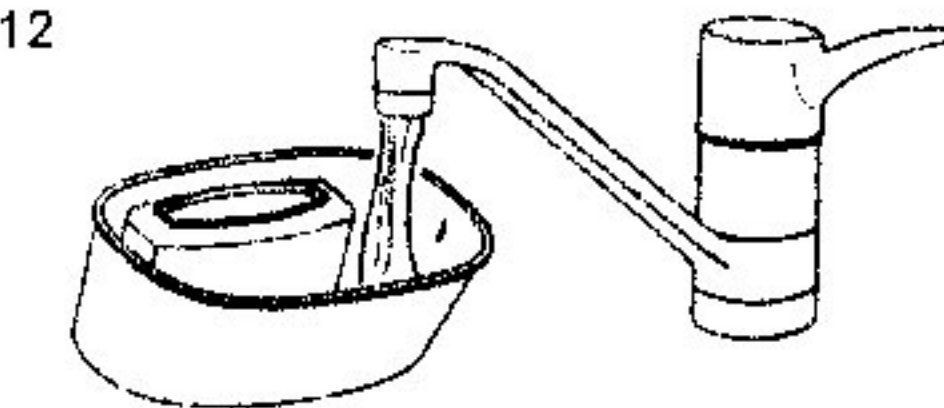
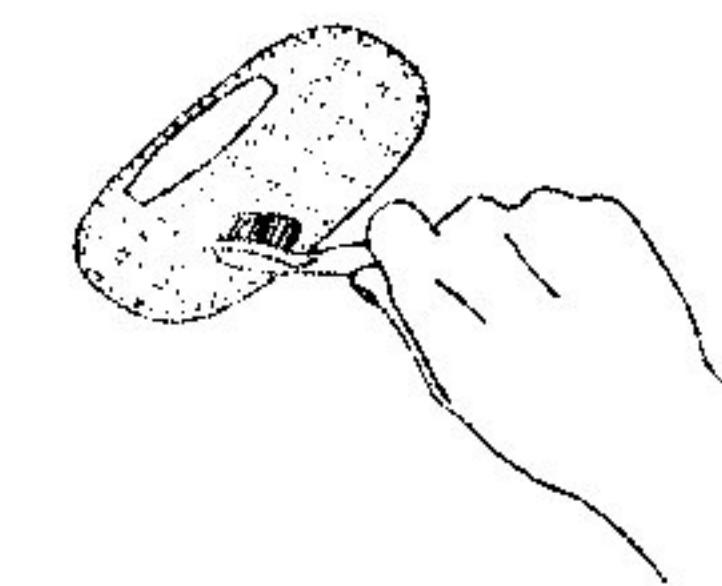


Fig. 13



8. After dried up, install back the filter and the dust bin lid as shown in Fig.14
9. Place back the dust bin and ensure it is fastened on the lock bolts as shown in Fig.15

Fig. 14

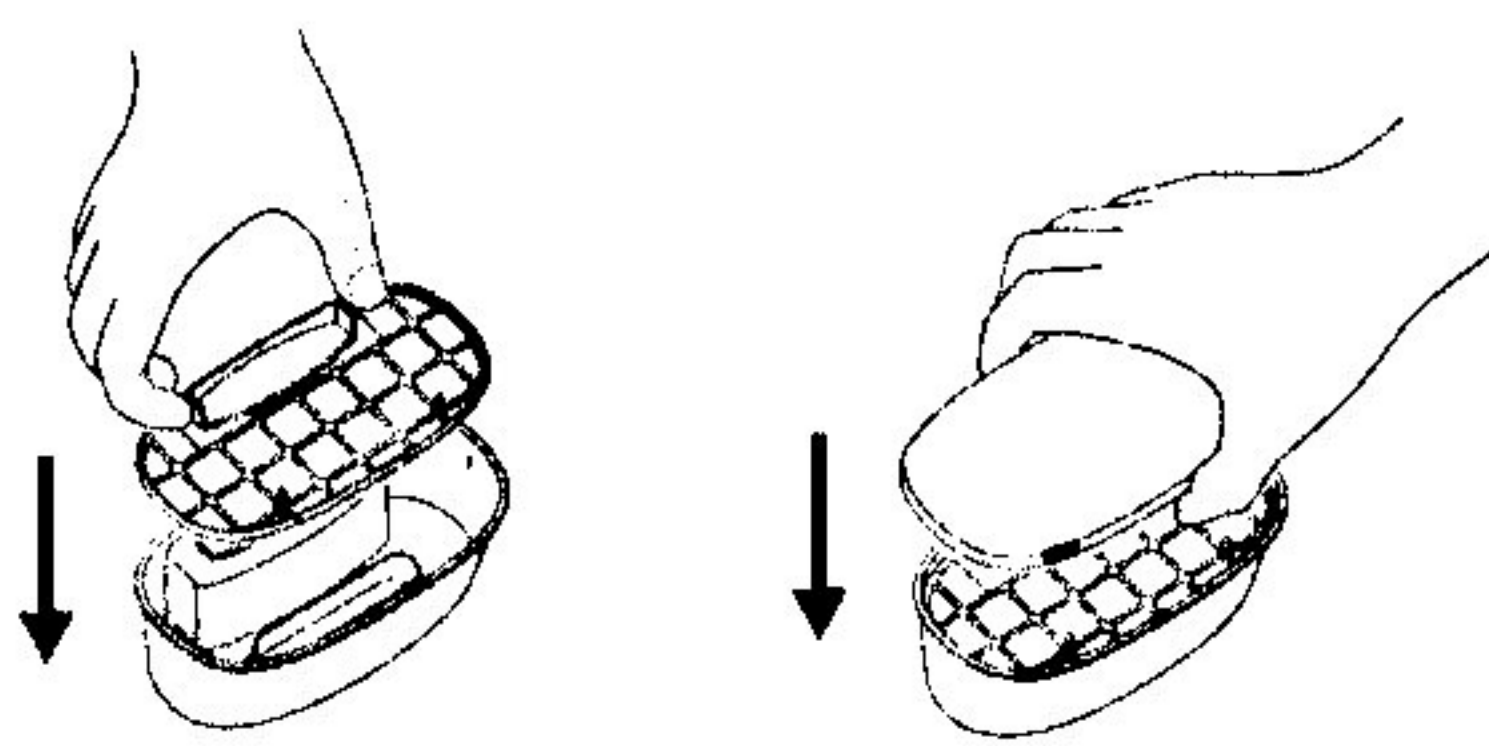
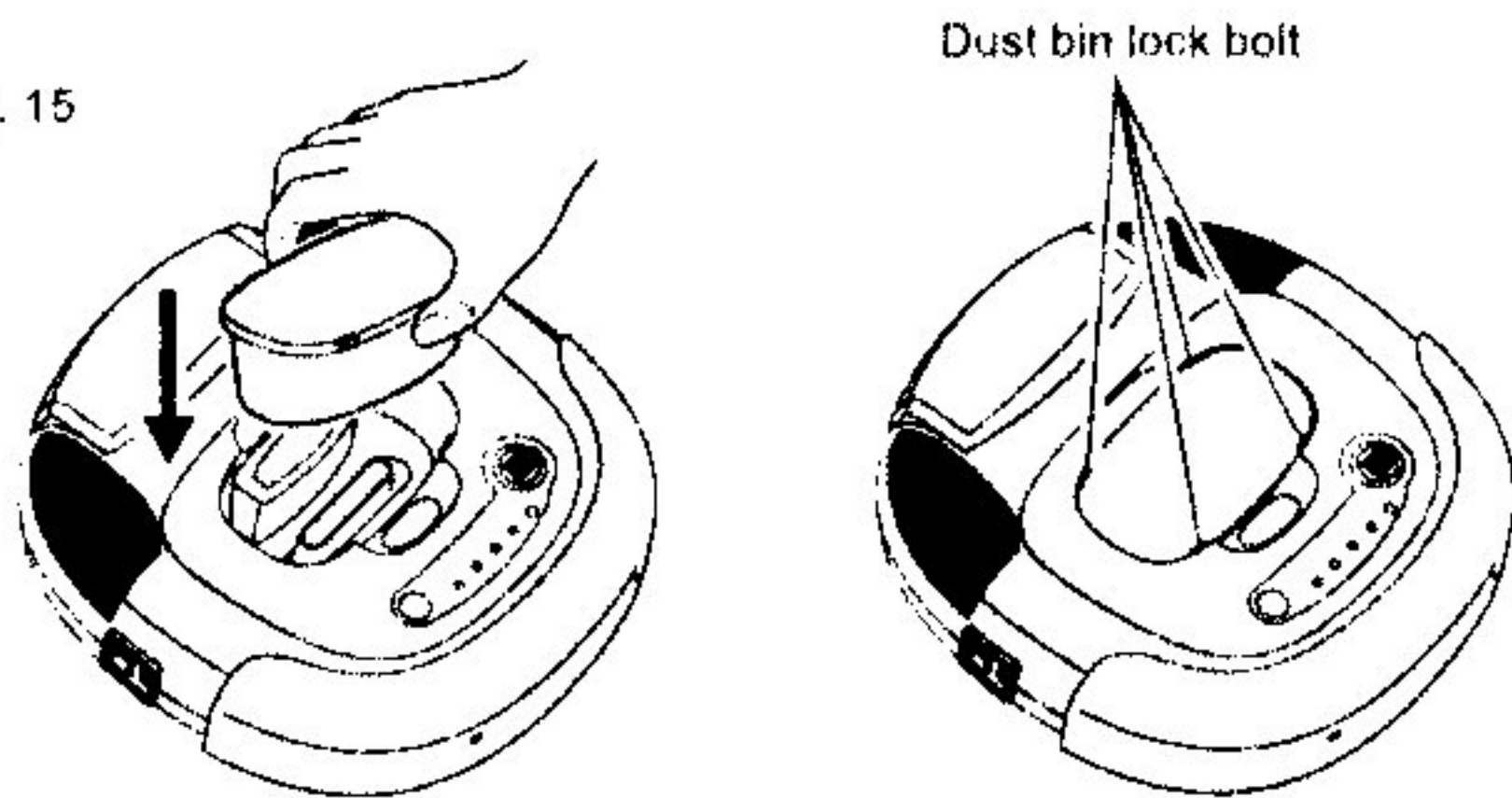


Fig. 15



### Cleaning Rubber Sweeper and Intake

After a while in use, dust accumulates around the intake of RVC-17 cleaner and the working efficiency is therefore be discounted. To ensure the best efficiency and constant air flow, the intake shall be cleaned periodically.

1. Turn off the power of the RVC-17 Smart cleaner.
2. Clean up the dust on the intake Fig.16

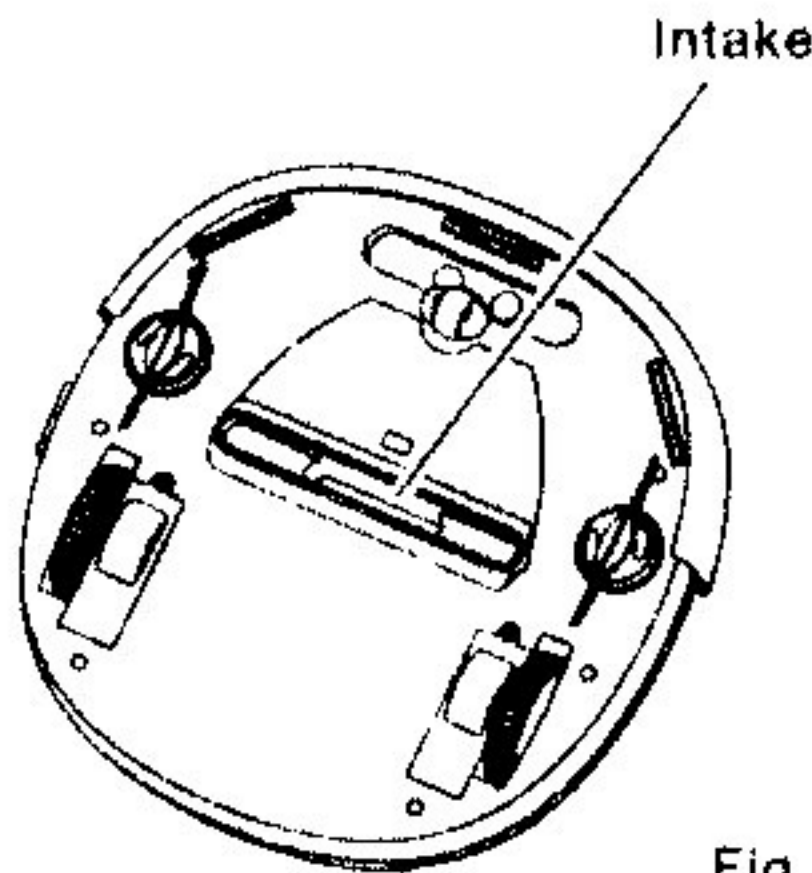


Fig. 16

### Cleaning Spiral Sweeper

1. Turn off the power first, place bottom of the RVC-17 Smart cleaner upward on the flat place of the floor or the table.
2. Take off the rubber sweeper and clean up the hair or other matters by hands as shown in Fig.17
3. Wipe the sweeper cover and remove the hair.
4. Install back the sweepers after finishing.

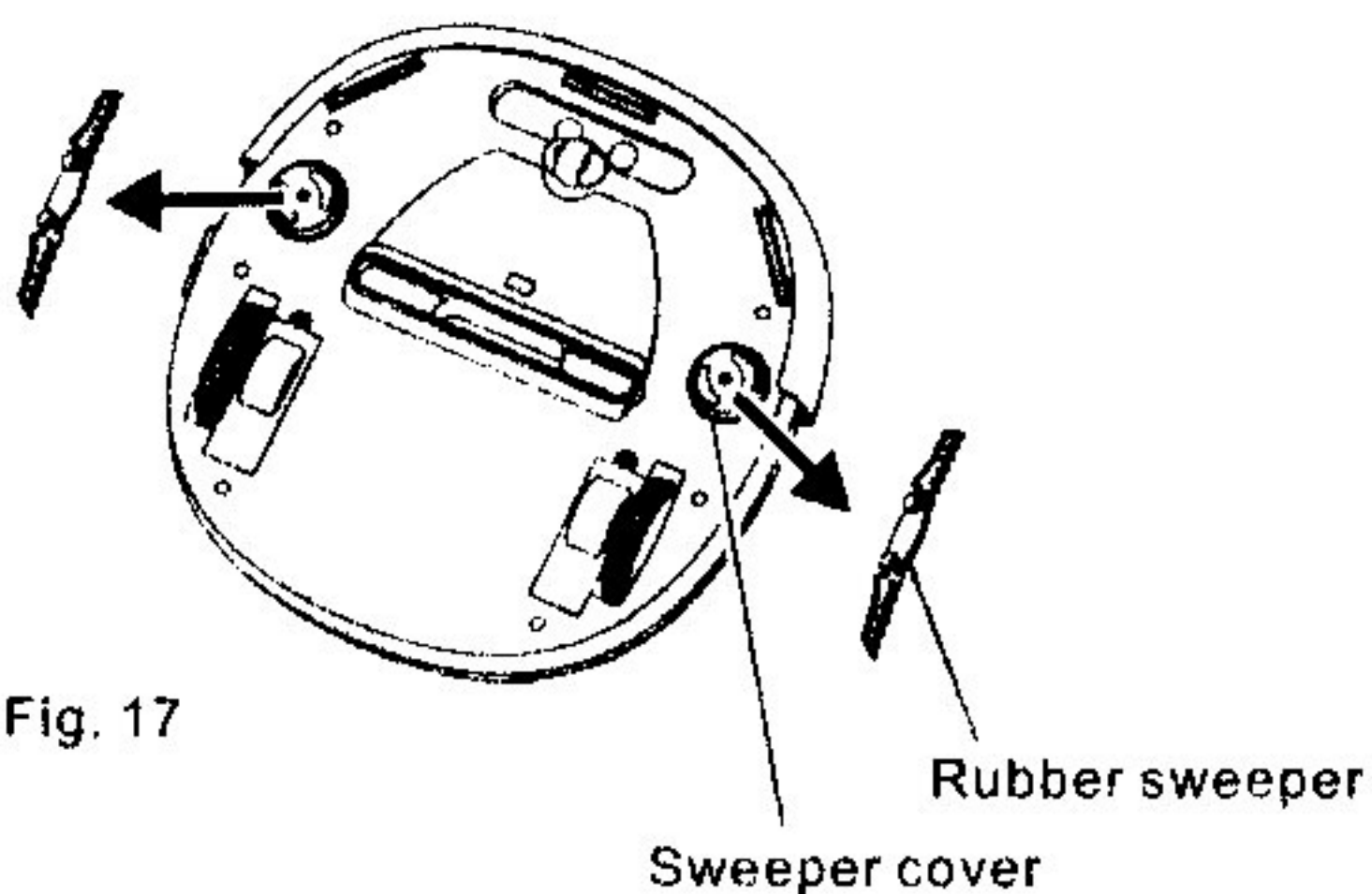


Fig. 17