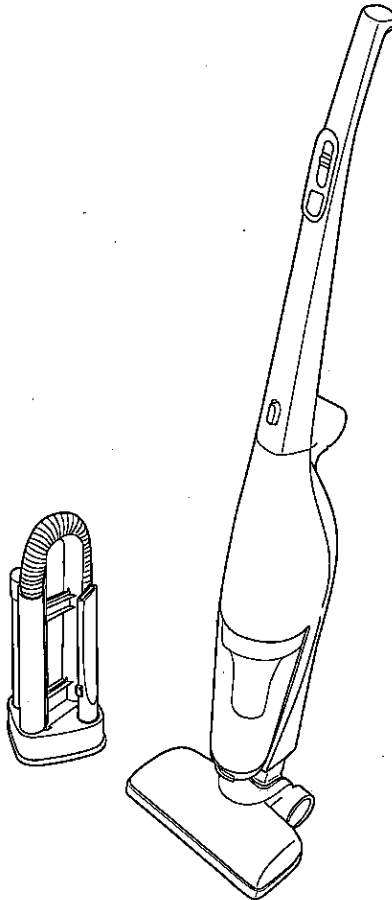


SANYO

INSTRUCTION MANUAL

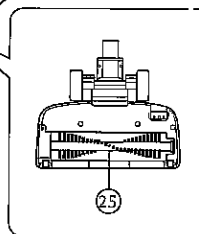
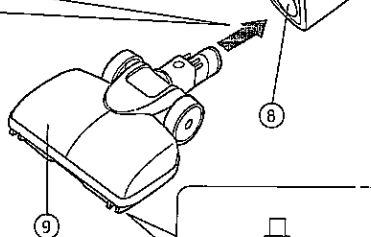
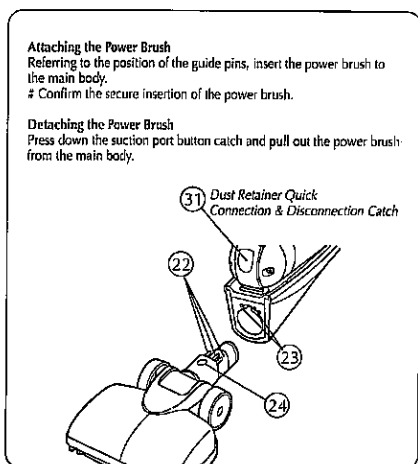
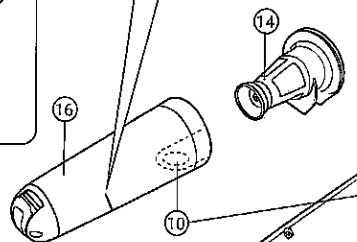
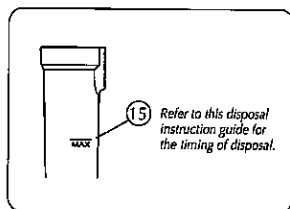
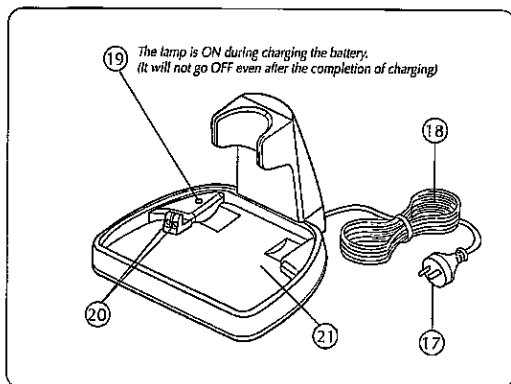
SCR166

Rechargeable Cyclone Vacuum Cleaner



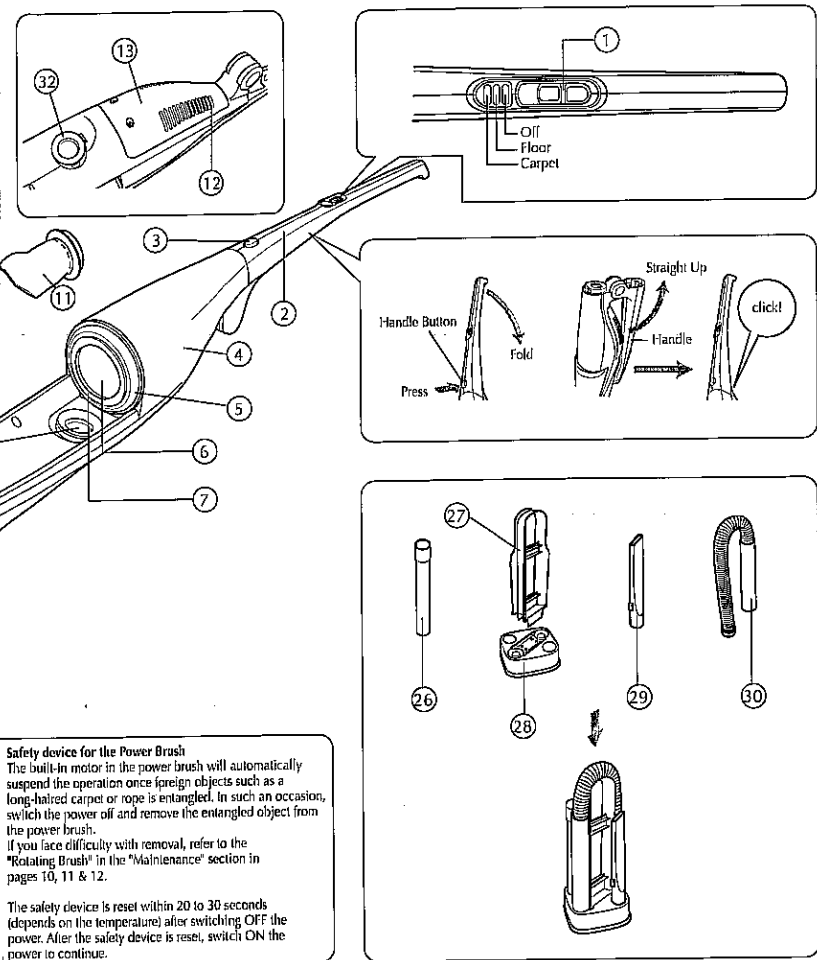
KNOW YOUR RECHARGEABLE CYCLONE VACUUM CLEANER

Thank you for your purchase of our product. Please read this operation manual carefully
And please keep this operation manual in a safe place.



- | | |
|------------------------------|------------------------------|
| 1) Power Switch | 6) Motor Protection Filter |
| Carpet - for carpet use | 7) Motor Protection Window |
| / power brush is rotated | 8) Suction Port |
| Floor - for floor use | 9) Power Brush |
| / power brush is not rotated | 10) Ventilation Port |
| Off | 11) Filter |
| 2) Handle | 12) Exhaust Port |
| 3) Handle Button | 13) Battery Cover |
| 4) Main Body | 14) Filter Baffle Plate |
| 5) Motor Protection Board | 15) Disposal Indication Line |

before using the product, otherwise, misuse of this product may cause accidents.



Safety device for the Power Brush
 The built-in motor in the power brush will automatically suspend the operation once foreign objects such as a long-haired carpet or rope is entangled. In such an occasion, switch the power off and remove the entangled object from the power brush.
 If you face difficulty with removal, refer to the "Rotating Brush" in the "Maintenance" section in pages 10, 11 & 12.
 The safety device is reset within 20 to 30 seconds (depends on the temperature) after switching OFF the power. After the safety device is reset, switch ON the power to continue.

- 16) Dust Retainer
- 17) Power Plug
- 18) Power Cable
- 19) Battery Charging Indication Lamp
- 20) Battery Charger Terminal
- 21) Battery Charger
- 22) Guide Pins
- 23) Guide Pin Sockets
- 24) Suction Port Button Catch
- 25) Rotating Brush

- 26) Extension Pipe
- 27) Stand Handle
- 28) Accessory Stand
- 29) Crevice Tool
- 30) Flexible Hose
- 31) Dust retainer connection and disconnection catch
- 32) Hose cap

IMPORTANT SAFEGUARDS

In order to prevent any harm or damage to users, third party or property, read this operation manual carefully before using. This product is operated by a NiCd battery. Handle with care when touching the product and the NiCd battery pack. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

About the built-in NiCd battery pack:

- (1) Do not throw the NiCd battery pack in the fire or heat it. Otherwise it may force the electrolyte to be expelled or burst open.
- (2) Do not connect wire of the terminal of the battery or carry or store the battery together with articles which could short the terminals such as necklace or hair pins. Otherwise a short can result in the leakage of electrolyte, heat generation or bursting of the battery.
- (3) Do not charge the battery unless it is installed in the correctly. Otherwise it may cause leakage of electrolyte and generate heat resulting in bursting of the battery.
- (4) Do not dismantle or modify the NiCd battery pack. Otherwise it may cause electrolyte to leak, excessive heat generation and possibly burst of the battery.
- (5) Do not connect or use this battery with equipment other than SCR166, otherwise it may cause leakage of electrolyte and generate excessive heat resulting in bursting of the battery.
- (6) Do not wet or soak the NiCd battery pack in water or salt water. Otherwise it may make the battery rusty or generate heat.
- (7) Do not remove or damage the external protection tube. Otherwise it may cause short circuit resulting in the leakage of electrolyte, heat generation and possible bursting.
- (8) Do not subject to strong mechanical shock or do not throw it at an object. Otherwise it may cause leakage of electrolyte resulting in heat generation.
- (9) The battery must be removed from the appliance before it is scrapped.
- (10) The battery is to be disposed of safely.
- (11) The appliance must be disconnected from the supply when removing the battery.

About the main body and battery charger:

- (1) Please charge the battery first if you are using the product for the first time or after storing the product for a long time.
- (2) Do not attempt to dismantle, repair or modify except by our authorised engineers. Otherwise it may cause ignition or accidents by abnormal activation of the product.
- (3) Do not use this product near flammable items or the fire. Also do not allow it to suck up such items. Otherwise the battery may burst and cause a fire.
- (4) Clean any dust from the power plug regularly. Leaving dust on the power plug may cause insulation failure and fire. Disconnect the power plug from the power outlet and clean it with soft rag.
- (5) Do not touch the rotating parts of power brush when in operation. Otherwise it may cause electric shock, short circuit or a fire.
- (6) Do not wash the product or use in the bathroom. Otherwise it may cause electric shock.
- (7) Always disconnect the power plug from the power outlet when carrying out maintenance. Also, do not connect or disconnect the power plug when your hands are wet, otherwise it may cause electric shock or accidents.
- (8) Do not insert sticks into the ventilation part of the filter or exhaust outlet. Otherwise it may damage the product or cause injuries.
- (9) Use only the exclusively designed battery charger for this model. Otherwise it may cause leakage of electrolyte, damage or burst of the battery.
- (10) Do not leave this product leaning against a wall when not charging the battery. Leaving the product in such an unstable position may allow it to fall causing damage to the floor or accidents.
- (11) Use the power outlet rated at 15A and 240V without sharing. If the power is shared, it may abnormally generate heat at the branch connection and may cause ignition. It may also cause a fire and electric shock.
- (12) Insert the power plug securely. If the power plug is not securely connected, it may cause a fire by electric shock or heat generation. Do not use a damaged power plug or a power outlet with insecure contact.
- (13) Do not damage, break, alter, bend by force, pull, twist or bundle the connecting power cord. Also, do not put anything heavy on the cable or tuck the cable, otherwise it may cause a fire or electric shock.

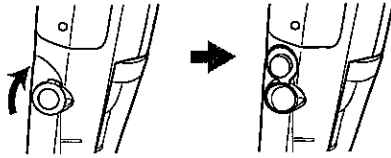
- (14) Do not use the product close to any fire sources. The exhaust air from the vacuum cleaner may fan the fire and spread embers.
- (15) Do not operate the product covering the suction or exhaust ports. Otherwise it may cause the deformation or ignition by overheating.
- (16) Disconnect the power plug from the power outlet when not in use. Otherwise it may cause electric shock and a fire by short circuit due to insulation failure.
- (17) Do not suck water or any objects which may choke the suction port. (E.g. Glass, petrol, push-pins and wire) These items may cause deformation of the body, ignition, and damage to the filter.
- (18) Do not strike the suction head hard against the wall or furniture. Otherwise it may damage the wall and furniture.
- (19) Do not pull the power cable to disconnect, always grasp the power plug. Otherwise it may cause ignition by electric shock or short circuit. Such misuse may break the wire.
- (20) Do not store the product in high temperature areas such as in the vehicle under the sun or near heating equipment, otherwise it may cause deformation of the body or heat generation, burns and ignition due to a short circuit.
- (21) Do not apply excessive force on the power brush.
- (22) Do not slide the power brush horizontally.
- (23) Do not push the power brush too hard against the floor or slide it horizontally. There may be difference in the shininess of the floor after use of the power brush. In case any shininess difference is observed:
 - a) Use a damp rag to wipe off any dirt on the floor, apply a thin layer of commercial household wax in the marked area and leave it to dry.
 - b) If the floor wax does not resolve the problem, try to use an automotive wax of a type without polishing compound. Be aware that it makes the floor very slippery so wipe off the excessive wax if necessary.
 - c) When using a car wax, select the product not containing polishing compound.
- (24) Do not allow to be used as a toy. Close attention is necessary when used by or near children.

SAVE THESE INSTRUCTIONS

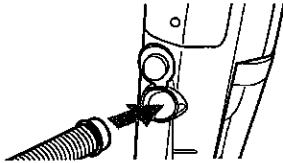
INSTRUCTIONS FOR USE

Cleaning using accessories (flexible hose)

1) Take off the hose cap



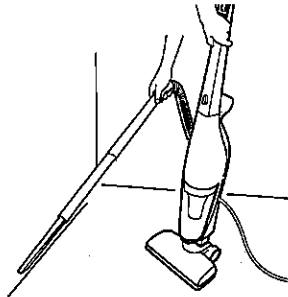
2) Install flexible hose.



CAUTION:

- Do not carry the cleaner body or vacuum the dust with handle folded, otherwise you may clip the finger or get injured due to dropping the cleaner body, or it may damage the floor or cleaner.
- Do not force hose to be pulled or bent, otherwise it may cause the deformation, break or damage of the hose.

3) Grip the handle and use.



4) After use, take flexible hose and cover the hole by the hose cap.

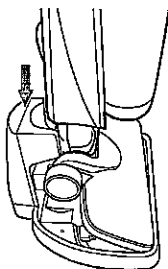
Charge the battery

When using the product for the first time after purchase or when using the product after storing for a long time.

1) Insert the main body to the battery charger.

Always switch OFF the appliance when charging the battery.

If the appliance is ON, the battery is never charged.

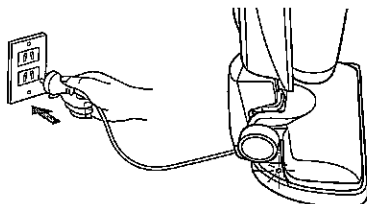


CAUTION:

- . If the main body is not set properly at the battery charger, the battery will never be charged or the main body may topple over.
- . Avoid any unstable surfaces when carrying out battery charging , otherwise the battery will never be charged due to the insecure contact. Select a stable floor to charge the battery.
- . Take care not to trip over the power cable when charging the battery.

2) Connect the power plug to the power outlet.

When the power plug of the battery charger is connected to the AC 230-240V power outlet, the indication lamp will light up.



A light turns on

CAUTION:

- . The battery charger and the main body may become warm during charging . This is not an abnormal sign.
- . Note: Even after completing charging cycle, the indication lamp will not go OFF.

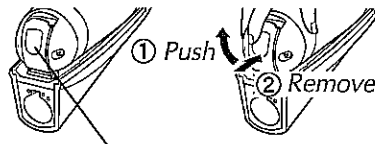
CAUTION : "Memory influence of Ni-Cd battery"

- 1)When recharge before full discharge at many times, the Ni-Cd battery memorizes the charge level, and the discharge will stop at that level even the power remains when discharging.
- 2)To reduce the memory influence of Ni-Cd battery, sometimes with the power switch ON, use up the battery until the motor comes to a stop. Then switch OFF the power and charge the battery fully.

Disposing Vacuumed Waste

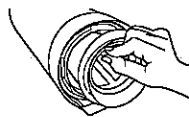
- . Try to dispose the vacuumed waste as frequently as possible. The dust attached to the filter baffle plate and the filter can cause poor vacuuming performance and stress the motor.
- . Always switch OFF the power when opening for disposal.
- . If the disposal instruction guide exceeds the marked level, dust builds on the filter baffle plate resulting in poor vacuuming performance.
- . Depending on the type of dust or wastes vacuumed, the dust may build on the mesh of filter baffle plate and disposal may be required even before the disposal indicator reaches the marked level.

- 1) Press the dust retainer connection & disconnection catch and extract the dust retainer.

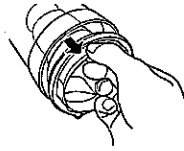


*Dust retainer connection
& disconnection catch*

- 2) Grasp the knob on the filter and remove the filter.

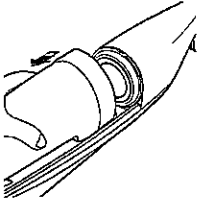


3) Grasp the knob on the filter baffle plate and remove it from the dust retainer.

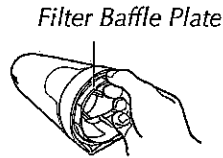


4) Dispose of the contents in the dust retainer.

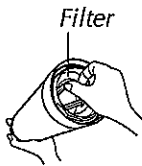
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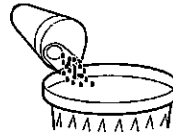
②



③



④



5) Remove the dust collected on the filter baffle plate.

Tap the filter baffle plate against the edge of dustbin to remove dust.



6) Re-install the filter after installing the filter baffle plate in the dust retainer.

Place so as to match up with both ventilation positions. Match the position of both ventilation parts of the main body and the dust cup. Adjust dust retainer to fit to the motor protection plate, guide and press down on the dust retainer connection & disconnection catch until you hear the engagement click of the catch.

CAUTION

- Do not vacuum a lot of dust at any one time and do not vacuum large objects such as tissue papers, otherwise it may cause the suction port to choke and loose the suction power
- Do not vacuum kerosene, petrol or butts, of smoked cigarettes, otherwise it may cause a fire.
- Dispose dust frequently, otherwise it may damage the product.

Maintenance

Always switch OFF the power and disconnect the power plug of the battery charger from the power outlet before starting.

1) Main Body . Battery Charger

- Wipe off any dirt from the product using a dry and soft rag.
- In case of stubborn dirt, clean using a soft damp rag soaked in a water solution diluted with a little neutral detergent and then wipe with a dry rag.
- Do not use solvents like thinner, benzene, and spray type cleaners.

2) Dust Retainer

In case the dust retainer becomes dirty with dust.

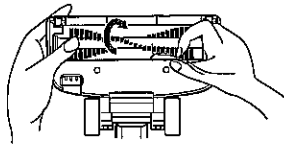
- Remove any collected dust in the dust retainer first and wash. Wipe with a dry rag. Leave it to dry well in the shade and attach it again to the main body.

CAUTION:

3) Rotating Brush

Carry out the maintenance if any waste threads or hair gets tangled in the brush. Regular maintenance: slowly rotate the brush manually and remove any foreign objects tangled around the brush.

CAUTION : Before cleaning or maintenance of the rotating brushes, the motorized cleaning head must be removed from the vacuum cleaner.



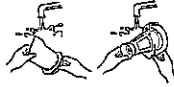
4) Filter and Filter Baffle Plate

- . Do not wash the filter or the filter baffle plate in the washing machine.
- . Do not dry them using hot air blower such as a dryer or a hair dryer.
- . In case of stubborn dirt or loss in suction power, wash as instructed below:

- ① Remove the dust first.
In case of stubborn dust,
it is best to use a toothbrush.



- ② Wash with Water.



- ③ Leave to dry well in the shade.



5) Motor Protection Filter

- Do not wash the motor protection filter in the washing machine.
- Do not dry it using hot air blowers such as a dryer or a hair dryer.
- In case of stubborn dirt or loss in suction power, wash as instructed below:

- ① Extract the motor protection filter and remove the dust.



- ② Wash with Water.



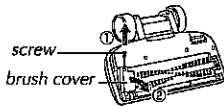
- ③ Leave to dry well in the shade.



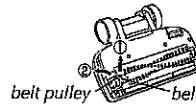
Maintenance when the rotating brush cannot be manually rotated.

CAUTION : Before cleaning or maintenance of the rotating brushes, the motorized cleaning head must be removed from the vacuum cleaner.

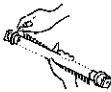
- ① Remove the brush cover.
(1) Unscrew the left hand side.
(2) Lift and dislodge the brush cover.



- ② Remove the rotating brush.
(1) Lift up the side of the rotating brush.
(2) Remove the belt pulley from the belt.

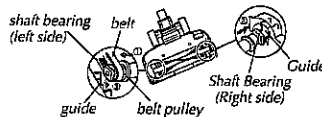


- ③ Remove the blockage.

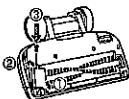


check both sides of the rotating parts

- ④ Install the rotating brush.
(1) Locate the left side belt pulley through the belt.
(2) Insert the right side shaft bearing into its guide.
(3) Insert the left side shaft bearing into its guide.



- ⑤ Put back the brush cover
(1) Let the claw of the brush cover catch the grill or the main body.
(2) Close the brush cover
(3) Tighten screws. Finally, check if the brush cover is securely fixed and the rotating brush rotates properly.



Troubleshooting

Before sending the product for repair, check the following first.

| Situations | Areas to check | Solutions |
|--|---|---|
| The motor does not run even if the power switch is ON. | Is the battery flat ? | Charge the battery. (Refer to the page 8) |
| The suction power is weak. | Is dust choking the power brush ? | Remove the blockage. (Refer to the pages 10,11 &12) |
| | Is dust choking the filter? | Carry out the maintenance for the filter. (Refer to the page 11) |
| | Does the dust indication line exceed the disposal indication line? | Dispose the dust in the dust retainer. (Refer to the page 9 & 10) |
| The rotating brush does not rotate. | Is the safety shut-down device activated? | Refer to the "Safety Device" for the power brush in this operation manual and carry out the maintenance. (Refer to the page 2 & 3) |
| | Is the rotating brush tangled with waste threads or choked with dust ? | Clear all foreign materials from the rotating brush.(Refer to the page 11 &12) |
| The battery charger lamp doesn't light up | Is power plug disconnected from the power outlet? | Connect the power cord from the charger to the power outlet. (Refer to the page 8) |
| | Is the main body attached to the battery charger properly ? | Re-install the main body on the battery charger properly.(Refer to the page 8) |
| The usage time on the battery has become shorter. | With the power switch ON, use up the battery until the motor comes to a stop. Then switch OFF the power and charge the battery fully. | If the problem persists, the battery life is probably over. (Refer to the page 14) |

Replacement of Battery

If the product stops running after 1-2 minutes having previously been fully charged for 9 hours, - probably the Ni-Cd battery life is over . In such a case, please refer to our authorized dealers.

Specifications

| Power source for operation | Re-chargeable battery |
|--|---|
| Power consumption for battery charging (Battery charger) | Input : 240V~ 50Hz 8W Output: 17V \equiv 230mA |
| Type of battery used | NiCd battery |
| Required time for battery charging | About 9 hours |
| Usable Time | About 12 minutes |
| Measurement of the product | Main body : 250 x180 x 1,075mm Battery charger : 275 x 250 x 185 mm |
| Weight of the product | Main body : 2.7 kg Battery charger : 0.9 kg |
| Cable length of battery charger | About 1.4 m |
| Usable temperature range for operation | 0°C to 40°C |
| Accessories | 1 unit of Accessory stand, 1 unit of Crevice tool, 1 unit of Flexible hose, 1 unit of Stand handle, 1 unit of Extension pipe. |



SANYO Electric Co., Ltd.