

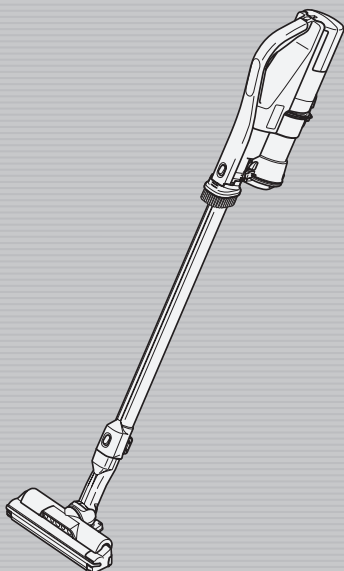
# Instruction Manual

Hitachi

## Cordless Stick Vacuum Cleaner

Model

# PV-XL300K



Thank you for purchasing a Hitachi Cordless Stick Vacuum Cleaner.

This vacuum cleaner is designed for household and indoor use only. Do not use for commercial, non-cleaning related, and outdoor purpose.

To ensure proper use, read this manual carefully before using the vacuum cleaner.

For future reference, keep this manual in an easily accessible place.

To ensure proper use, read the safety precautions (P.E-4 to E-8).

# HITACHI

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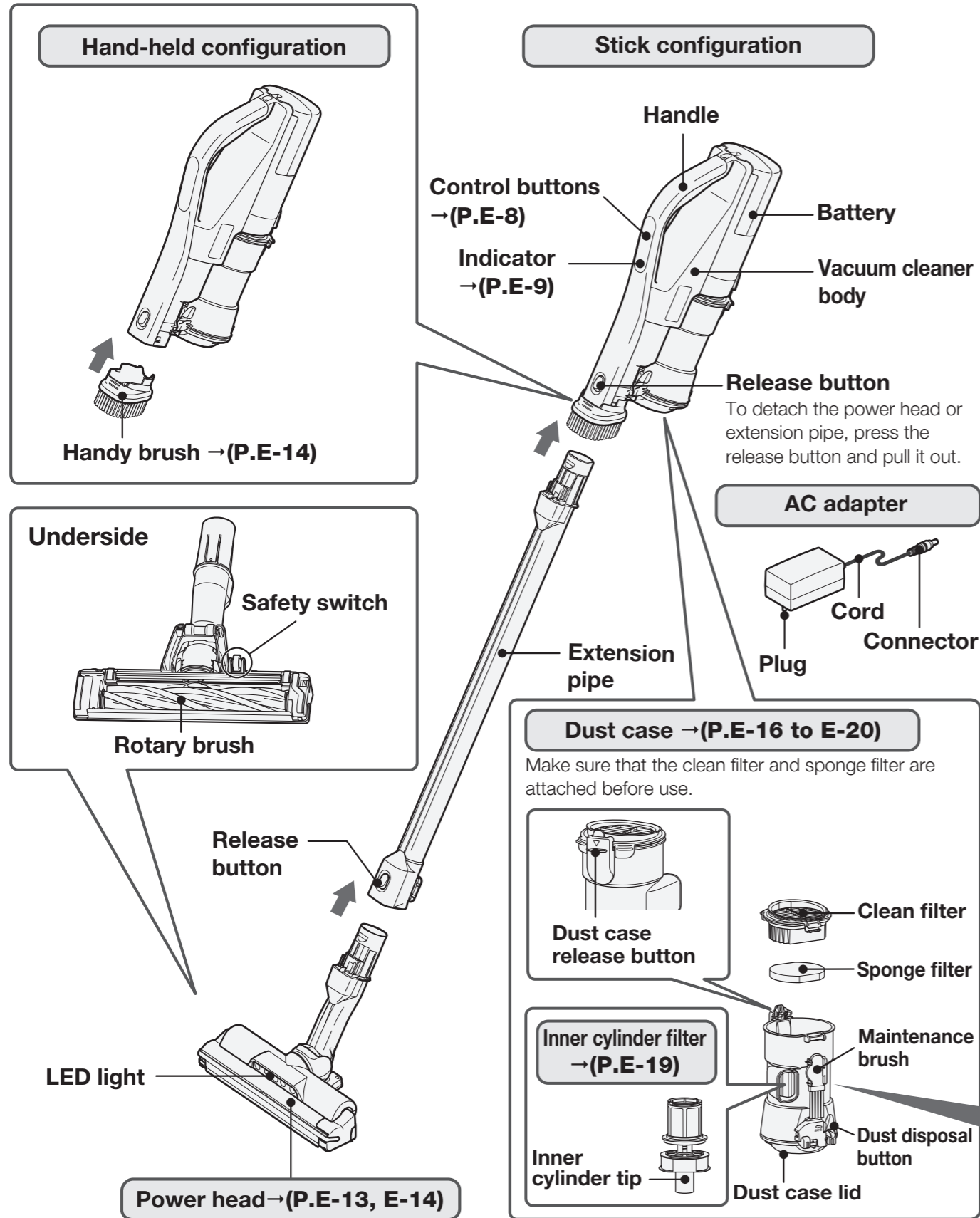
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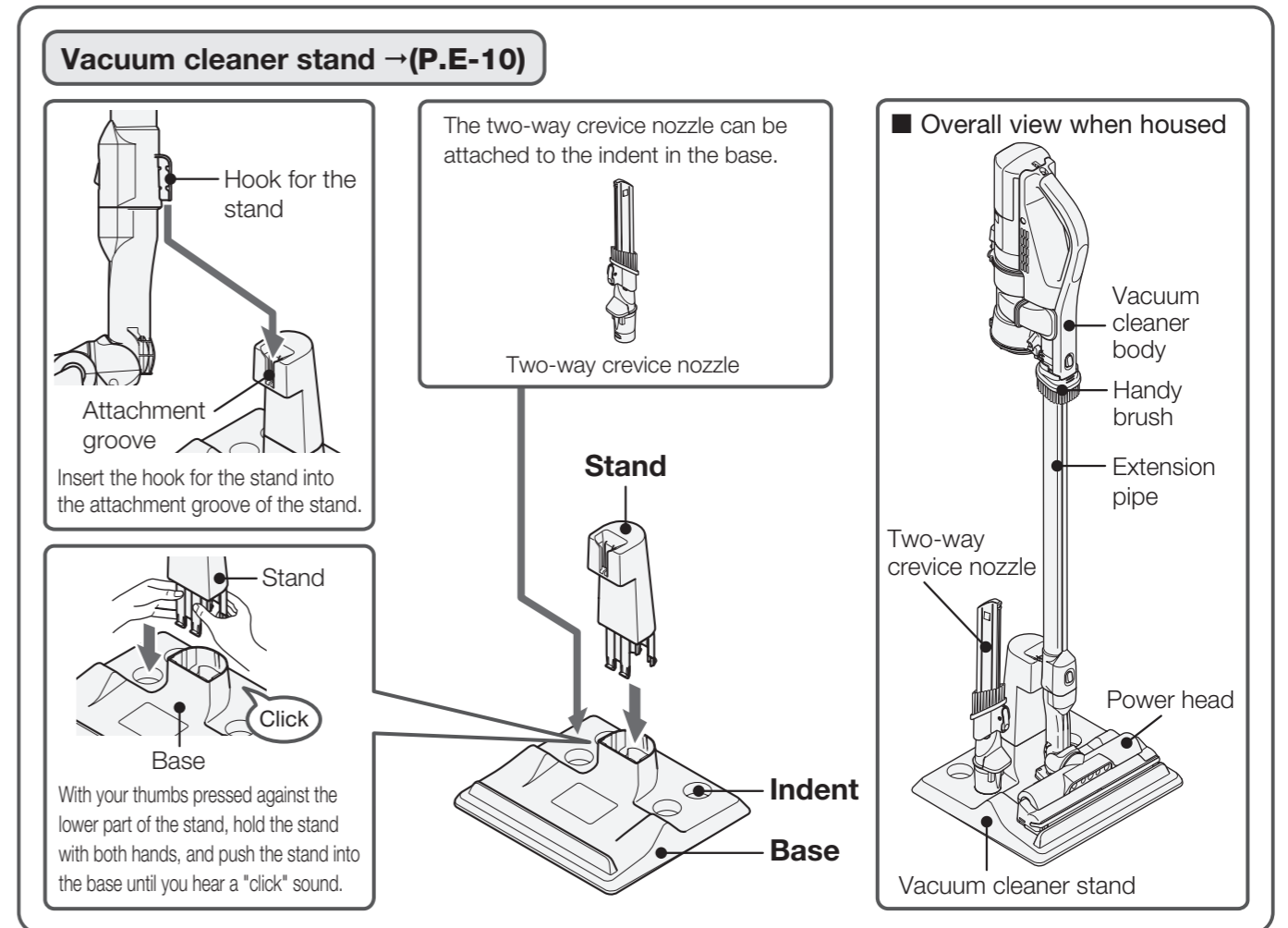


\*2-N2096-B\*

# Part names and assembly



- If you shake the power head, it might make a rattling noise. This is normal.
- The fibers of the material might appear streaky in some of the black areas of the extension pipe, which is not abnormal.
- When attaching the power head and extension pipe, you might not hear a click, which is not abnormal.
- The bristles of the rotary brush of the power head may become partially frayed. →(P.E-13)
- A protective film is attached to the model indicator label on the side of the main body.
- The fibers of the material may be visible in some parts of the product, however, this is not abnormal.



Attachments				
Power head (D-DP30 EN) (1 pc.) →(P.E-13, E-14)	Extension pipe (PVP-05) (1 pc.)	AC adapter (PVA-EX02-BS) (1 pc.)	Vacuum cleaner stand	
			Base (1 pc.)	Stand (1 pc.)

Attachment accessories		
Maintenance brush (1 pc.)	Handy brush (1 pc.) →(P.E-14)	Two-way crevice nozzle (D-SH9) (1 pc.) →(P.E-15)
(Attached to the back side of the dust case)		

# Safety precautions

Please follow these safety precautions.

This section describes safety precautions that must be followed in order to prevent injury to the user or other people, or damage to property. Please thoroughly read and follow the precautions in this manual.




■ The severity of injury or damage that might occur if these precautions are ignored or the vacuum cleaner is used improperly is classified and explained below. Hitachi is not responsible for any injury or damage that occurs as a result of ignoring these precautions.

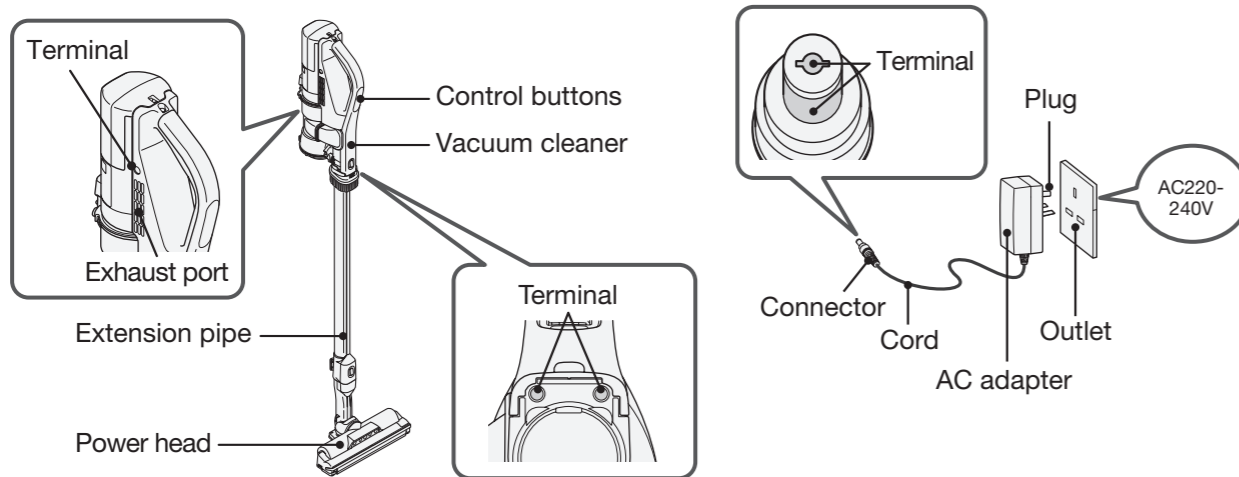
**⚠ DANGER** This indicates warnings that, if ignored, could present imminent danger of serious injury or death.

**⚠ WARNING** This indicates warnings that, if ignored, could result in serious injury or death.


**⚠ CAUTION** This indicates warnings that, if ignored, could result in minor injury or property damage.

## Warning symbols used in this manual

-  This indicates warnings or cautionary notes.
-  This indicates prohibited actions that must not be performed.
-  This indicates instructions that must be followed.




## ⚠ DANGER

-  **Do not repair or modify any part of the vacuum cleaner. Do not disassemble any part of the vacuum cleaner unless instructed to in this manual.**  
Failure to heed this warning might cause leaking of the battery, the generation of heat, fire, or injury. For repairs, please contact a Hitachi authorized service agent.
- Keep the vacuum cleaner and AC adapter away from water and other liquids.**  
Failure to heed this warning might lead to rupturing of the battery, fire, malfunction, or electric shock.
- Do not connect the terminals of the vacuum cleaner, extension pipe, and AC adapter with metal objects such as a wire and pin.**  
Do not carry or store with metal necklaces, hairpins, etc.  
Failure to heed this warning might cause the vacuum cleaner to malfunction or cause the battery to short-circuit, resulting in leaking, the generation of heat, rupturing, or fire.  
This product is equipped with a device that protects against short circuits, etc. Once the protective device has been activated, it cannot be released. In such a case, dispose of it or ask your dealer to inspect and repair it.
- Do not throw into fires or apply heat.**
- Do not charge, use, or leave near sources of heat such as fire or a stove, under direct sunlight or in cars exposed to the sun, etc.**  
Failure to heed this warning might cause the battery to leak, generate heat, rupture, smoke, fire, deform, or malfunction.











## ⚠ WARNING

**If the vacuum cleaner malfunctions or you notice any of the following problems, stop using the vacuum cleaner immediately.**



- 
  - The vacuum cleaner does not turn on when you press a control button, even though the battery is fully charged.
  - The power turns on and off when the AC adapter, cord, or connector is moved.
  - The vacuum cleaner sometimes stops in operation.
  - The vacuum cleaner makes strange sounds in operation.
  - The vacuum cleaner or AC adapter is deformed or abnormally hot.
  - The cord is damaged or abnormally hot.  
The cord cannot be replaced.
  - It smells like something is burning.
  - You notice some other problem or malfunction.

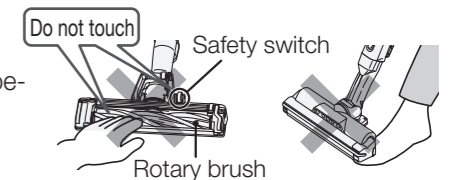
Continuing to use the vacuum cleaner under these conditions could result in smoke, fire, or electric shock. Turn off the vacuum cleaner immediately and unplug the AC adapter from the outlet. Then, contact a Hitachi authorized service agent to request an inspection and repair.

## Outlet, plug, cord, and AC adapter






-  **Use an AC220-240V outlet.**  
Do not use an extension cord, and do not plug the AC adapter in the same outlet as other appliances.
-  **Periodically clean the plug of any dust and debris by using a dry cloth.**
-  **Insert the plug of the AC adapter all the way into the outlet.**
-  **Do not damage the cord.**  
(Do not damage or modify the cord. Do not forcefully bend, bundle, pull, or twist it, and do not put it under heavy objects or pinch it between objects.)
-  **Do not use the AC adapter if the cord or the plug or connector is damaged, and do not use a loose outlet.**
-  **Make sure the cord does not get caught in the rotary brush of the power head.**
-  **Do not handle the plug (insert the plug into an outlet or remove the plug from an outlet) with wet hands.**
-  **Do not touch the terminals on the AC adapter or vacuum cleaner.**
-  **Do not use the AC adapter (PVA-EX02-BS) that was provided with the vacuum cleaner. Do not attempt to charge the vacuum cleaner by using other AC adapters.**
-  **Do not use the AC adapter (PVA-EX02-BS) that was provided with the vacuum cleaner to charge any other type of battery, even if the battery is a rechargeable battery.**  
Failure to heed this warning might cause fire or electric shock.

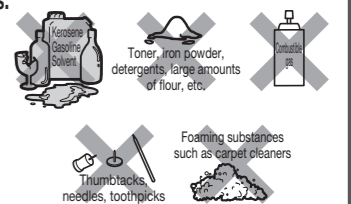
## Power head (inlet)

-  **Do not touch the safety switch or the rotary brush.**  
Failure to heed this warning might cause injury. Be careful especially around children.
-  **Do not place the power head on parts of your body (on top of your feet, etc.) when pulling the power head.**  
Failure to heed this warning might cause injury.



## Others

-  **Do not use the vacuum cleaner near inflammable or combustible items or materials (kerosene, gasoline, paint thinner, benzene, toner, iron powder, detergents, large amounts of flour, aerosol sprays, flammable gas, cigarette butts, etc.), or to clean up such items or materials.**
-  **Do not use the vacuum cleaner to clean up things with sharp points (thumbtacks, needles, toothpicks, hairpins, etc.).**
-  **Do not use the vacuum cleaner to clean up suds or foam from carpet cleaners or other types of detergents.**
-  **Do not use the vacuum cleaner outdoors.**
-  **Do not wash any part of the vacuum cleaner with water unless that part is listed as a part that can be washed. Do not use the vacuum cleaner in the shower or bathtub.**
-  **Do not charge or store the vacuum cleaner in a location prone to high humidity.**  
Failure to heed this warning might cause eruption, fire, electric shock, or injury.
-  **Do not lean the vacuum cleaner against a wall or other surface.**
-  **Make sure that the power head is attached when using the vacuum cleaner stand.**  
The vacuum cleaner might fall over, becoming damaged or causing injury or damage to the floor.



# Safety precautions (Continued)

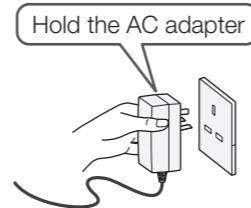
## ⚠ CAUTION

### Socket, AC adapter, cord



- When unplugging the AC adapter, hold and pull it not the cord
- When unplugging the AC adapter connector from the vacuum cleaner, hold and pull the tip of the connector, not the cord
- If the cleaner is not used for a long period of time, be sure to unplug the AC adapter.

Holding and pulling the plug by the cord might damage the cord or cause a short circuit, which might result in an electric shock or fire.



### Power head (inlet), extension pipe



- Do not let the vacuum cleaner run for an extended period of time with the inlet blocked.
- Before performing maintenance on the vacuum cleaner, remove the power head from the vacuum cleaner.
- Do not attach the parts of this vacuum cleaner to other products, or attach the power head of other products to this vacuum cleaner.

Failure to heed this warning might cause overheating, leading to fire or the deformation of the vacuum cleaner and power head.

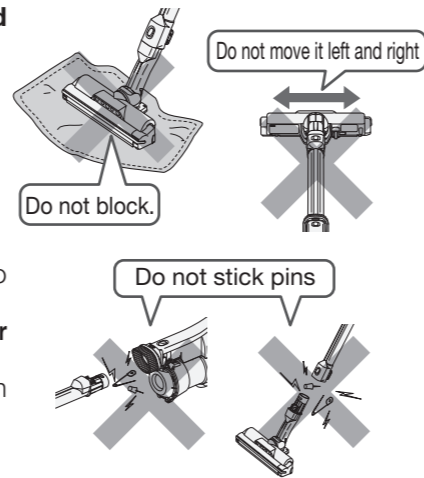
- Do not clean using the tip of the extension pipe, and do not insert pins or other items in the area joining the vacuum cleaner to the extension pipe.
- Do not move the power head left and right while they are facing forward.
- Do not use with foreign objects attached, such as sand or pebbles.
- Do not use the vacuum cleaner under or in between blankets.

Failure to heed this warning might cause short-circuiting, resulting in electric shock, fire, or damage to the vacuum cleaner or to the floor.

Failure to heed this warning might cause damage to the floor.

Failure to heed this warning might cause damage to the floor.

Failure to heed this warning might cause overheating, leading to fire or the deformation.



### Others



- When carrying the vacuum cleaner, do not hold the dust case.
- Keep away from fire.
- Turn off the vacuum cleaner before performing maintenance.
- Do not carry the vacuum cleaner around while it is attached to the vacuum cleaner stand.
- Do not clean using the tip of the vacuum cleaner without the handy brush.

The vacuum cleaner might fall and cause injury or damage the floor.

Failure to heed this warning might cause short-circuiting due to vacuum cleaner deformation, resulting in fire. If the vacuum cleaner is used near a flame, exhaust from the vacuum cleaner might cause the flame to grow into a conflagration.

Failure to heed this warning might cause injury.

The vacuum cleaner might fall off, which could cause an injury or damage the floor.

Failure to heed this warning might cause short-circuiting, resulting in electric shock, fire, or damage to the vacuum cleaner or to the floor.

- Do not drop the vacuum cleaner, power head, extension pipe, AC adapter, vacuum cleaner stand, or attachment accessories from high places.
- Do not place the vacuum cleaner stand on an unstable surface.
- Do not place the vacuum cleaner stand in places with high condensation or humidity.
- Do not look directly at the LED light.
- Do not move the main unit when it is in contact with the floor.

Failure to heed this warning might cause injury or damage to the floor or dropped part.

The vacuum cleaner might fall over, becoming damaged or causing injury or damage to the floor.

Failure to heed this warning might cause floor discoloration.

Failure to heed this warning might cause damage to your eyes.

Doing so may damage the floor surface.

### Others



- Children should be supervised to ensure that they do not play with the appliance.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Only allow children at least 8 years old to use the AC adapter. Give sufficient instruction so that the child is able to use the AC adapter in a safe way and explain that it is not a toy and must not be played with.
- Instruct the child not to try and recharge non-rechargeable batteries because of the danger of eruption.
- Cleaning and user maintenance shall not be made by children without supervision.

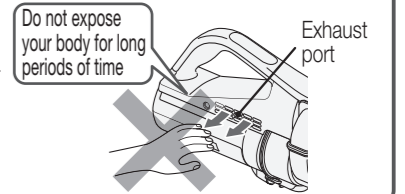
### Exhaust port



- Do not block the exhaust port.
- Do not expose your body to the air released from the exhaust port for long periods of time.

Failure to heed this warning might cause overheating, leading to fire or the deformation of the vacuum cleaner.

Failure to heed this warning might cause minor burns.



## Battery (lithium-ion battery)

## ⚠ DANGER



- Do not connect the battery to anything other than this vacuum cleaner. Do not disassemble, modify, or solder the battery. Do not charge the battery when it is not connected to the vacuum cleaner. Replacement of the battery is to be performed by a trained service technician. Do not remove the battery except when disposing of this vacuum cleaner. Please consult with a Hitachi authorized service agent.
- Do not touch the terminals or connect them by using metal items such as wires and pins.
- Do not transport or store the battery in the same container as metal objects such as necklaces, hairpins, coins, or keys.
- Do not subject the battery to strong physical shock. For example, do not put nails into the battery, hit the battery with a hammer, step on the battery, or throw the battery.
- Keep away from fire.
- Do not leave the battery near sources of heat such as a fire or stove, under direct sunlight, or in a car under the sun.
- Do not use any battery in this product other than a genuine Hitachi battery.
- Do not put the battery in a microwave or an oven.
- Do not submerge the battery in water or other types of liquid, or expose it to water or other types of liquid.

Failure to heed this warning might cause the battery to leak, generate heat, rupture, smoke, fire, electric shock, or injury.



- If the liquid inside the battery enters your eyes, do not rub your eyes, but thoroughly wash them with clean water immediately, and then consult a doctor.

Failure to do so might cause damage to your eyes.

## ⚠ WARNING



- Do not use the battery if it is leaking or has an abnormal odor, discoloration, deformation, or damage due to being dropped or you notice something unusual.
- If the battery is leaking, do not touch it with bare hands.
- Keep the battery away from infants and children.

Failure to heed this warning might cause the generation of heat or smoke, rupturing, or fire. If liquid from the battery leaks onto the floor, it might damage the floor.

Failure to heed this warning might cause skin irritation.

Failure to heed this warning might cause electric shock or injury.



- If liquid from the battery gets on your clothes, immediately wash them in clean water. If the liquid gets on your skin, consult a doctor.

Failure to heed this warning might cause skin irritation.

# Safety precautions (Continued)

## CAUTION



- **When charging the battery, ensure that the ambient temperature is between 5°C and 35°C.**  
Charging the battery in temperatures outside of this range might prevent the battery from being fully charged. As a result, the battery might take a long time to charge, or you might only be able to use the vacuum cleaner for a short time. Failure to heed this warning might cause the battery to deteriorate.
- **If the battery is still charging longer than the specified charging time, unplug the AC adapter.**
- **Do not touch the battery for a long period of time while charging or operating the vacuum cleaner.**  
Failure to heed this warning might cause minor burns.
- **Store the vacuum cleaner in a location with low humidity or little dust and debris.**  
Failure to heed this warning might cause the generation of heat or smoke, rupturing, or fire.

## Usage notes

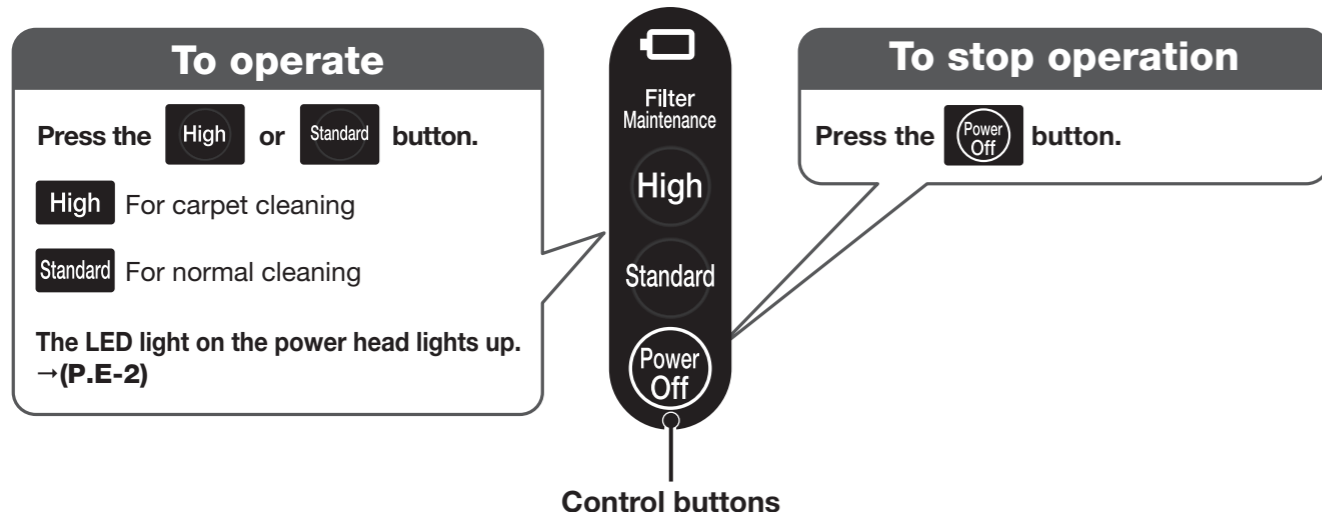
To prevent malfunction and other problems, be sure to follow these instructions.

Be sure to thoroughly read these instructions, as well as those indicated by **Note** in other locations in this manual, and to use the vacuum cleaner in accordance with these instructions.

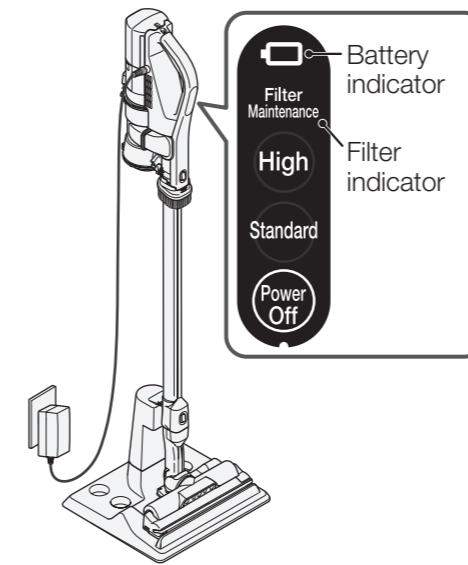
- **Do not subject the vacuum cleaner, dust case, the power head, extension pipe, vacuum cleaner stand, AC adapter, or attachment accessories to strong physical shock.**  
Failure to heed this warning might cause the deformation or damage.
- **Do not use the vacuum cleaner to clean up the following objects.**  
Failure to heed this warning might cause strange odors or malfunction.
  - Water or other liquids, wet objects, or desiccants
  - Large amounts of sand or powder, long string or thread, or glass
- **Do not ride on the vacuum cleaner, the power head, vacuum cleaner stand, or attachment accessories.**  
Doing so might cause malfunctions.
- **Wash the parts with water and air dry them in the shade.**  
Failure to heed this warning might cause strange odors or malfunction.

## Controls and indicators

### Control buttons



### Indicator during charging



Indicator signs		Charging status
	Lighting red	<b>The battery is charging.</b> It takes approximately two hours to charge the battery. The battery temperature may rise depending on how long the vacuum cleaner was in use and the ambient temperature. If this occurs, the charging station automatically waits until the battery cools down and the charging time may become longer.
	Off	<b>Charging is complete (fully charged).</b> When charging is complete, the light turns off.
	Quick blinking red (Lights up approximately twice per second.)	<b>AC adapter or battery error.</b> →(P.E-28)
	Quickly blinks red at the same time (Lights up approximately twice per second.)	<b>The product cannot be charged. Please arrange for it to be inspected.</b> →(P.E-28)

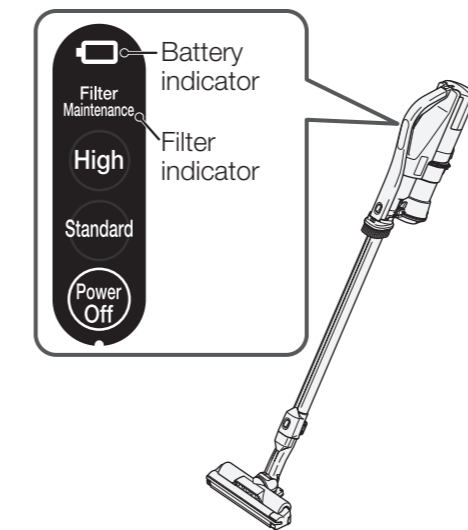
\* If you disconnect the AC adapter connector from the vacuum cleaner after the battery indicator turns off, and then connect it to the vacuum cleaner back, the battery indicator turns on, but this does not indicate a problem with the vacuum cleaner.



### WARNING

**Do not touch the terminals on the AC adapter or vacuum cleaner.**  
Failure to heed this warning might cause electric shock or injury.

### Indicators during use



Indicator signs		Operating status
	Off	<b>Operating</b> The level of remaining battery power is high.
	Blinking red (Lights up approximately once per second.)	The level of remaining battery power is low. Charge the battery. The indicator continues to blink for about 45 seconds even after operation has stopped.
	Slow blinking red (Lights up approximately once every four seconds.)	<b>In Safe mode.</b> →(P.E-25) To prevent the vacuum motor and the battery from overheating, the vacuum cleaner may sometimes automatically enter Safe mode, which reduces suction power. The cleaner does not operate. →(P.E-26) The battery temperature is excessively high or low.
	Blinking red (Lights up approximately once per second.)	Indicates that the filter needs cleaning →(P.E-18, E-19) (reference).
	Quickly blinks red at the same time (Lights up approximately twice per second.)	<b>The product cannot be operated. Please arrange for it to be inspected.</b> →(P.E-28)

\* Depending on the environment in which the vacuum cleaner is to be used, the battery indicator might start blinking earlier.



### CAUTION

**If the filter indicator blinks, do not repeatedly start and stop operating the vacuum cleaner.**  
Doing so may cause a malfunction.

**If the filter indicator on the vacuum cleaner blinks while the vacuum cleaner is running, cleaning is required.**

- [In order to prevent the power head from overheating, the power head may automatically stop (the LED lights also turn off.)]
- Empty the dust case and remove any dust or debris attached to each filter. →(P.E-16 to E-19)
  - If the filter indicator on the vacuum cleaner blinks while the vacuum cleaner is running, even after dust and debris have already been removed from each filter, wash each filter with water. →(P.E-21, E-22)
  - The power head sometimes becomes clogged with dust. Remove the dust. →(P.E-23, E-24)

# Charging the vacuum cleaner

**Note** You can charge the battery without removing it from the main body.  
Do not remove the battery from the vacuum cleaner except when you are disposing of the vacuum cleaner.

Charge the battery before using the vacuum cleaner. The battery is not fully charged at the time of purchase. It generally takes about 3.5 hours to charge the battery. (The charging time may vary depending on the usage conditions, such as how long the vacuum cleaner was in use before charging and the ambient temperature.)

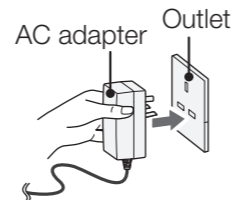
## 1 Plug the AC adapter into an outlet.



**WARNING**

Do not use an AC adapter other than the adapter that was included with the vacuum cleaner.  
Failure to heed this warning might cause electric shock, injury, or malfunction.

Compatible AC adapter models are also indicated on the label attached to the main body.

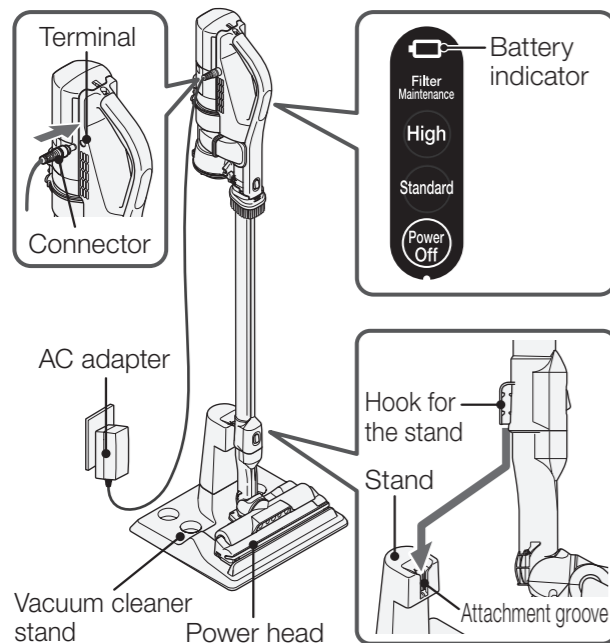


## 2 Charging on the vacuum cleaner stand

### 1 Dock the vacuum cleaner on the vacuum cleaner stand.

Insert the hook for the stand into the attachment groove of the stand.

### 2 Insert the connector of the AC adapter into the terminal on the vacuum cleaner.



**WARNING**

**Risk of injury**  
Make sure that the power head is attached when using the vacuum cleaner stand.  
The vacuum cleaner might fall over, becoming damaged or causing injury or damage to the floor.



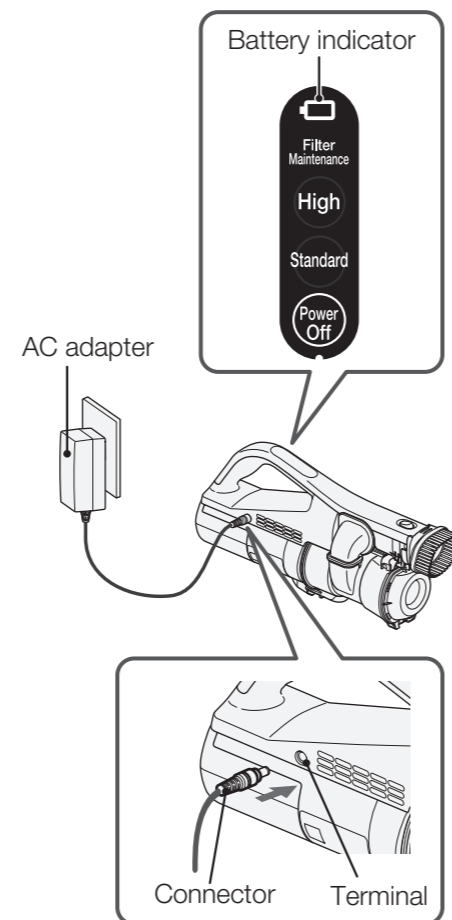
**CAUTION**

**Risk of damage to the floor.**

- Place the vacuum cleaner stand on a flat surface such as the floor.
- Do not drag the vacuum cleaner stand or the vacuum cleaner while it is resting on the floor or any other flat, level surface.

## Direct Charging

### Insert the connector of the AC adapter into the terminal on the vacuum cleaner.



**CAUTION**

**Risk of damage to the floor.**

- When inserting the connector into the vacuum cleaner to charge, place the vacuum cleaner on a flat surface e.g. floor.
- Do not drag the vacuum cleaner while it is resting on a flat surface e.g. floor.

### When it is used for the first time or when it is not used for several days,

- The operating time might become shorter or the charging time might become longer.
- We recommend that you replug the connector into the vacuum cleaner to recharge the battery before use.

- When you insert the connector into the terminal of the vacuum cleaner, the battery indicator lights up. When the battery is fully charged, the battery indicator turns off, but you do not need to remove the connector from the main body.
- If you disconnect the AC adapter from the vacuum cleaner after the battery indicator turns off (indicating that the battery is fully charged), and then reconnect the AC adapter to the vacuum cleaner, the battery indicator turns on (indicating that the battery is being charged), but this does not indicate a problem with the vacuum cleaner.
- While the vacuum cleaner is being charged, the vacuum cleaner or AC adapter might become hot, but this does not indicate a problem with the vacuum cleaner.
- The vacuum cleaner will not operate even if the control buttons is pressed while charging.

### Note

- When charging the battery, make sure the ambient temperature is between 5°C and 35°C. Charging the battery in temperatures outside of this range might prevent the battery from being fully charged. As a result, the battery might take a long time to charge, or you might only be able to use the vacuum cleaner for a short time.  
If you charge the battery in a hot or cold area for 3 hours or more, the battery indicator will blink rapidly (estimated twice per second). In this case, recharge it in place with an ambient temperature between 5°C and 35°C.
- If the battery indicator does not turn on, or it turns on briefly and then turns off, remove the connector of the AC adapter from the vacuum cleaner and then insert the connector back into the vacuum cleaner.
- Charging it near a radio might cause sound interference when the radio is in operation.  
When charging the vacuum cleaner, plug the AC adapter into an outlet that is at least 2 meters away from any radio equipment.

### To prolong battery life

- Be sure to charge the vacuum cleaner after each use, even if you only used the vacuum cleaner for a short period of time.
- If the vacuum cleaner is not to be used for more than a month, please fully charge the battery before storing it. Charging it once a year if the vacuum cleaner is not in use will prolong the battery life. (Storing a depleted battery will deteriorate the battery performance and battery life.)
- If the vacuum cleaner stops in the middle of operation, because the battery has run out, you might still be able to use the vacuum cleaner for a short while by pressing the control buttons. However, this type of action is not recommended. Performing this type of action will shorten the battery life.
- When you use the vacuum cleaner in a cold or hot location, even if the battery has been correctly charged, the operating time may be shortened or the high turbo operation may not function due to characteristics of the battery. In such a case, we recommend that you use the standard turbo. If the vacuum cleaner still does not operate, leave it at room temperature (approximately 15 to 25°C) for a short period of time (30 or longer minutes), and then restart operation.
- The battery is a consumable item. The usage time will gradually decrease with repeated use.  
If this occurs, replace the battery. (For the cost) →(P.E-28)

# To operate

## 1 Remove the connector of the AC adapter from the vacuum cleaner.

Hold the connector of the AC adapter and pull it out \*direction as shown in the right diagram.

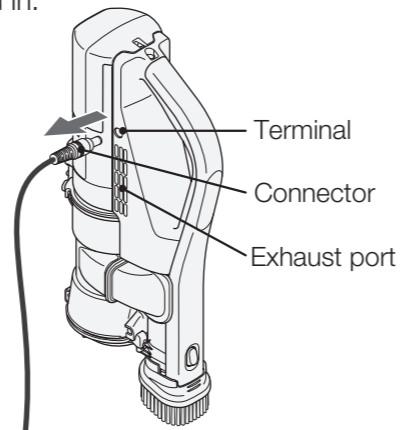
\* The vacuum cleaner does not operate while the connector is plugged in.

### CAUTION

**When unplugging the connector, hold it. Do not pull on the cord.**

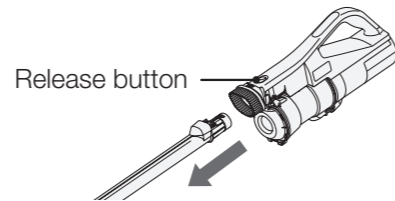
Pulling on the cord might damage the cord and cause short-circuiting, resulting in electric shock or fire.

**Note** Do not subject the connector to excessive force. Doing so might cause malfunctions.



## 2 Attach an attachment.

When replacing an attachment, remove it by pushing the release button and pulling the attachment in the direction of the arrow.



## 3 Press the High or Standard button.

At the start of "Standard" operation, strong operation is performed for a few seconds. This is an operation to compress the dust in the dust case.

The continuous operating time of the vacuum cleaner:

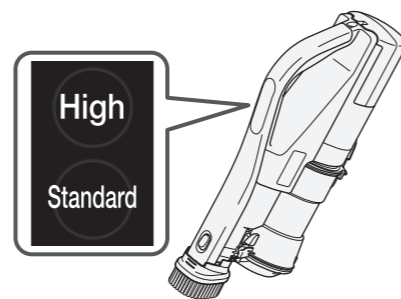
"High": Approximately 8 minutes

"Standard" with power head : Approximately 30 minutes

"Standard" without power head : Approximately 45 minutes

\* When you use the vacuum cleaner in a hot or cold location, even if the battery has been correctly charged, the operating time may be shortened or the high turbo operation may not function due to characteristics of the battery.

\* Exhaust fumes may come out from a part other than the exhaust port to some extent, however, this is not abnormal.



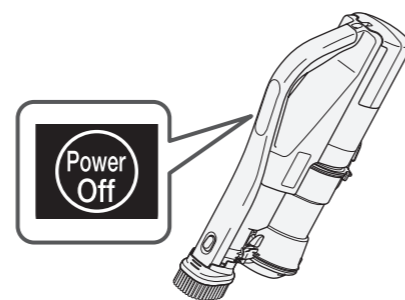
### CAUTION

**Risk of injury or damage to the floor.**

Do not strongly press or hit the vacuum cleaner against the floor.

The vacuum cleaner might be deformed or the dust case might fall.

## 4 To stop, press Power Off.



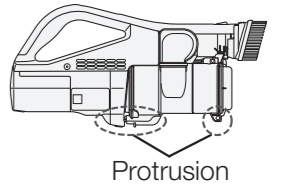
## 5 Charge the vacuum cleaner after using it. →(P.E-10)

# Using the attachments

### CAUTION

**Risk of damage to the floor**

If you move the vacuum cleaner while protrusions such as the vacuum cleaner or dust case are in contact with the floor surface, the floor surface might be damaged.



## Power head

### Use in accordance with the floor type

- Vacuum efficiently and thoroughly by moving the power head back and forth across floor. Please use it by attaching it to the inlet of the vacuum cleaner or the extension pipe.
- The bristles of the rotary brush of the power head may become partially frayed, however, this will not cause any problems. If you are concerned about it, use scissors to cut and remove the protruding bristles. →(P.E-23)

#### Carpet

**Clean by moving back and forth. Dust and debris will be collected thoroughly when pulling back.**  
When cleaning a new carpet for the first time, the cleaner might collect many loose threads.

#### Flooring/Tatami

**To prevent damage to the floor, move along the grain of the flooring.**

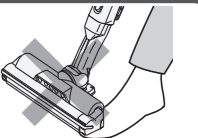
- When cleaning a new tatami, its surface might become polished.
- If dust and debris still remain on the floor after you move the vacuum cleaner toward you, lift the power head and then move the vacuum cleaner away from you (back over the dust and debris).

### WARNING

**Risk of injury**

**Do not place the power head on parts of your body (on top of your feet, etc.) when pulling the power head.**

It might get your body parts caught in the rotary brush.



### CAUTION

**Risk of damage to the floor**

**Do not leave the power head in the same position while the vacuum cleaner is running.**

**Do not firmly press the power head against the floor.**

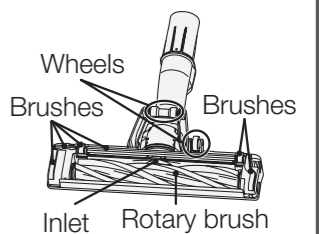
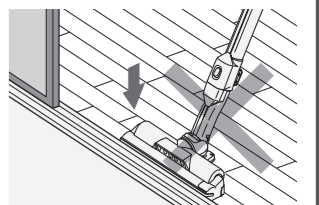
- The floor might be damaged if it is easily damaged especially such as cypress or padded flooring\*.

\* Padded flooring is flooring where the surface is cushioned using vinyl chloride, etc.

- Firmly pressing the power head against uneven surfaces such as thresholds might wear out the wheels and damage the floor.
- If dust and debris gets tangled in the wheels, the wheels cannot rotate, which might cause wear and tear and floor damage.

Perform periodic maintenance (about once a month). →(P.E-23, E-24)

- After extended use, the brushes, wheels, and rotary brush might wear down. Using the power head while they are worn out might damage the floor. You cannot replace the brushes or wheels by yourself. Please contact a Hitachi authorized service agent to have the brushes, wheels, and rotary brush replaced as a set. The rotary brush can be purchased as a replacement part. →(P.E-30)



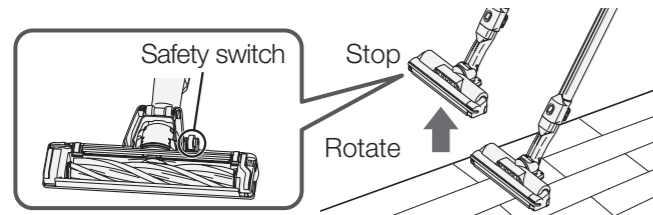
### Note

- The vacuum cleaner might have difficulty vacuuming in Turbo mode depending on the floor type e.g. carpets with long fibers. In such case, switch to "Standard" setting. In such case, switch to the "Standard" operation.
- If the suction power becomes weak, there might be dust and debris blocking the power head inlet. In this case, perform maintenance for (wash with water) each filter. →(P.E-21, E-22)
- Do not push the power head against the floor with excessive force, because the power head might leave a mark on the floor. If the power head leaves a mark on the floor, please refrain from using the vacuum cleaner in that area, and remove the mark by using a soft cloth.

# Using the attachments (continued)

## ■ The safety switch of the power head

When you lift the power head from the floor, the safety switch activates and the rotary brush stops rotating for your safety.



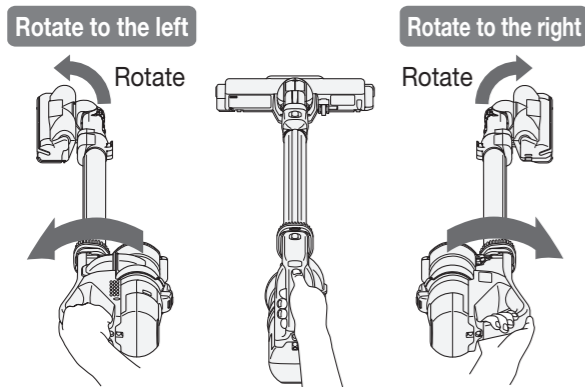
For information on maintaining the safety switch, →(P.E-23)

### ! WARNING

**Risk of injury**  
Do not touch the safety switch or the rotary brush of the power head.  
The rotary brush might rotate.  
Be careful especially around children.

## ■ Multi angle head

- Turning the handle changes the orientation of the power head. Narrow places can be efficiently vacuumed.
- You may hear a ticking sound when the direction of the power head changes, however, this is not a malfunction. This sound occurs due to the structure of the power head. →(P.E-27)



### ! CAUTION

**Risk of damage to the floor**

- Do not move the power head left and right while they are facing forward.
- Do not pull the power head backwards while holding it aloft.

**Risk of damage**

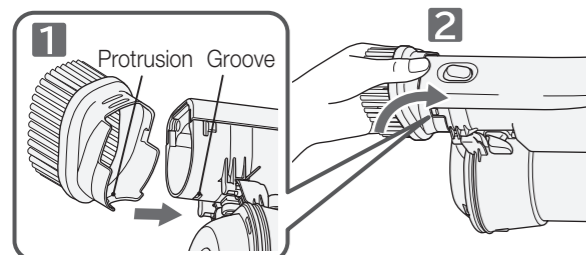
- Do not strongly hit the power head against a wall or corner.
- Do not press hard against the floor surface with the power head facing left or right.

## Handy brush

Attach to the vacuum cleaner before use.  
Attachments can be applied while the handy brush is attached to the vacuum cleaner.

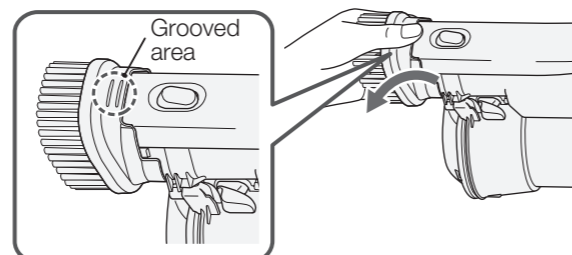
### Attaching the handy brush

- 1 Match the position of the protrusion on the side of the handy brush with the groove on the vacuum cleaner.
- 2 Press in the direction of the arrow.



### Detaching the handy brush

Press the grooved area of the handy brush and pull in the direction of the arrow.



### ! CAUTION

**Risk of electric shock, fire, malfunction or damage.**

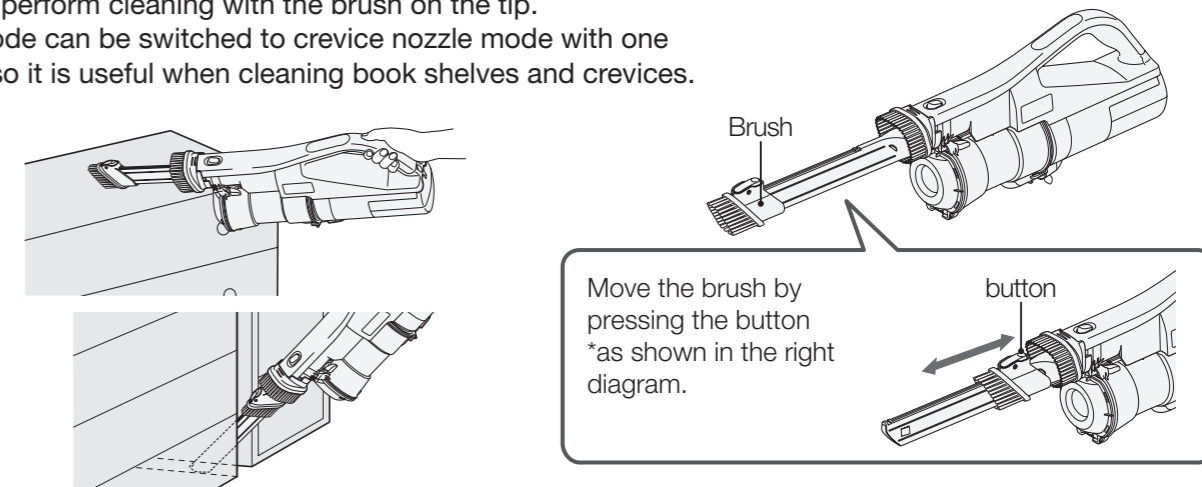
- Do not clean using the tip of the vacuum cleaner without the handy brush.
- Do not press against items that are particularly easy to be damaged, such as pianos.

### Note

- It might be damaged if excessive force is applied. If the handy brush is pressed down on floors with too much force, it might become damaged, crack, or damage to the floor.
- The handy brush can be washed with water. After washing, dry it thoroughly in the shade before using. Using it while it is still wet might result in malfunction.

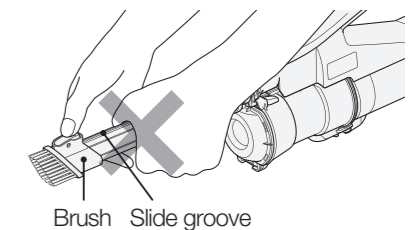
## Two-way crevice nozzle

Swiftly perform cleaning with the brush on the tip.  
The mode can be switched to crevice nozzle mode with one touch so it is useful when cleaning book shelves and crevices.



### ! WARNING

**Risk of injury**  
When sliding the brush, do not hold onto the slide grooves. Your hand might get pinched.

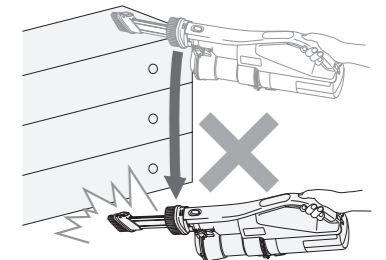


### ! CAUTION

**Risk of damage**  
Do not press against areas that are particularly easy to be damaged, such as pianos.

### Note

- It might be damaged if excessive force is applied. Do not drop from high places.
- You can wash the two-way crevice nozzle. After washing, allow it to dry naturally before use. Using it while wet might lead the vacuum cleaner to malfunction.
- If there is dust and debris on the tip or inside the nozzle, or within the groove of the slide, remove the dust and debris.
- Do not hit the brush against any objects. Otherwise, the lock may come off.



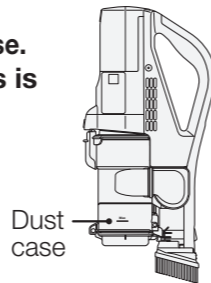


# Emptying the dust case and cleaning the filters

Cyclonic vacuum cleaners have the advantage of not requiring paper filter bags. To vacuum with strong suction power, we recommend that you remove dust every time you use your cleaner and clean the filter frequently.

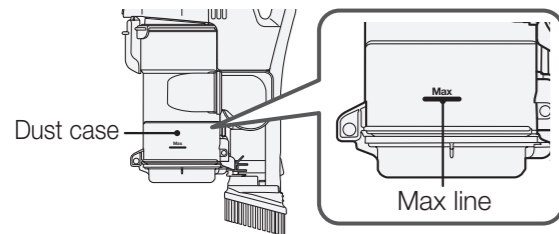
- Empty the dust case before exceeding the "Max line" (guideline). If dust rises above the "Max line", it might be difficult to remove the dust from the dust case.
- Dust might not rotate depending on the type of dust and how it accumulates. This is normal.

**Note** Fine dust might disperse in the air when the dust case is emptied. Empty the dust case in a well-ventilated environment such as outdoors, or wear a mask and avoid breathing in the dust.



## Checking the level of dust and debris in dust case

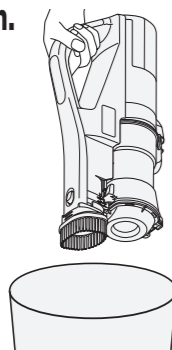
Check whether the dust and debris in the dust case has reached the max line.



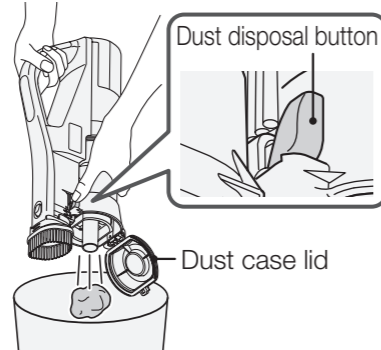
- When dispose the dust and debris from the dust case, remove the dust and debris adhered to the dust case and clean the filter. →(P.E-16 to E-18)
- If dust and debris is wrapped around the inner cylinder filter and cannot be removed, detach and maintain the inner cylinder filter. →(P.E-19)

## Emptying the dust case [when attached to the vacuum cleaner]

**1** Tilt the vacuum cleaner and position the dust case to face the trash can.



**2** Press the dust disposal button.



**Note**

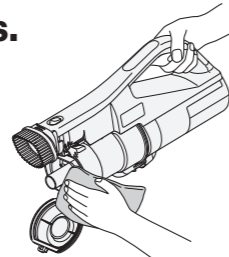
- Dust and debris might be hard to remove depending on the type of dust and debris and how it accumulates. Add vibration by tapping the sides of the dust case or detaching the inner cylinder filter. →(P.E-19)
- Do not shake the vacuum cleaner hard while the dust case lid is open. Doing so may result in damage.

**CAUTION**

**Risk of injury**  
You might have unintentionally vacuumed sharp objects such as glass shards or pins. Be careful when performing maintenance.

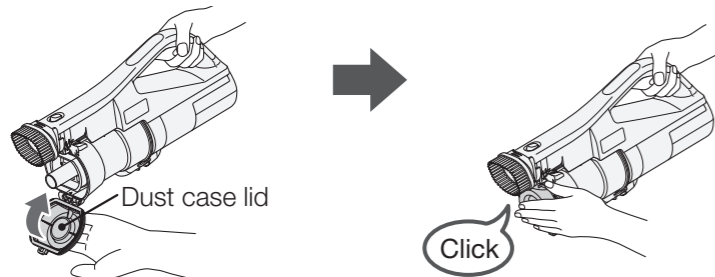
**3** Remove attached dust and debris.

Remove the dust and debris and fine dust and debris using soft cloths, etc.



**4** Close the dust case lid.

Close until you hear a "click" sound.

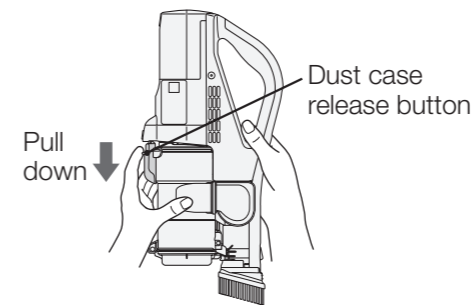


**Note**

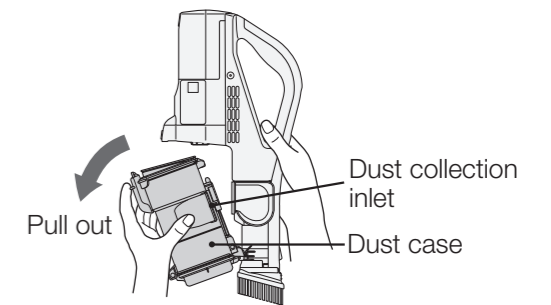
In order to maintain strong sucking power, regularly perform frequent maintenance of the filter. →(P.E-18, E-19, E-21, E-22)

## Emptying the dust case [When removed]

**1** Hold the dust case and pull down the dust case release button.



**2** Pull out the dust case in the arrow direction.

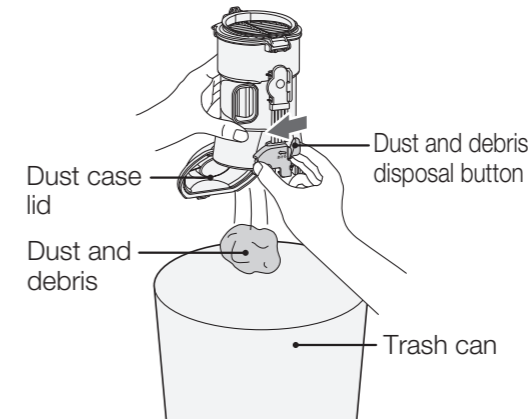


**Note**

- Do not detach the dust case with the vacuum cleaner set down. Dust and debris might spill.
- If dust and debris spills inside the vacuum cleaner, remove the dust and debris and attach the dust case as it was.
- Do not turn the dust and debris collection inlet downward when holding the dust case or placing it. Dust and debris might spill.

**3** Open the dust case lid and empty the dust case.

Make sure the dust case lid is facing down, and then press the dust and debris disposal button.



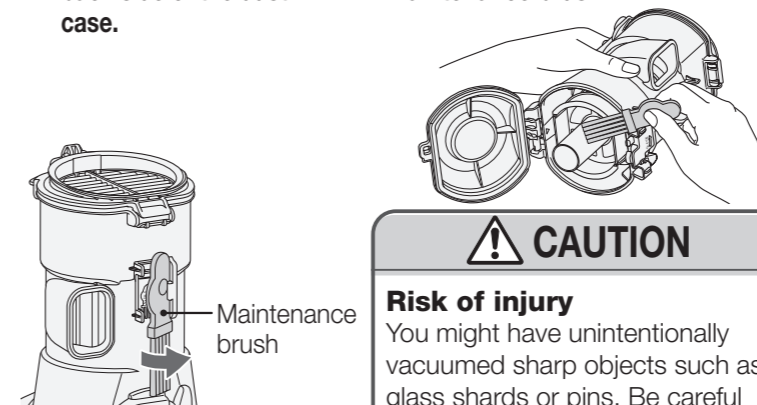
**Note**

- Dust and debris might be hard to remove depending on the type of dust and debris and how it accumulates. Add vibration by tapping the sides of the dust case or detaching the inner cylinder filter. →(P.E-19)
- Do not shake the dust case hard while the dust case lid is open. Doing so may result in damage.

**4** Remove attached dust and debris.

**1** Detach the maintenance brush attached to the back side of the dust case.

**2** Remove the dust and debris and fine dust and debris with the maintenance brush.

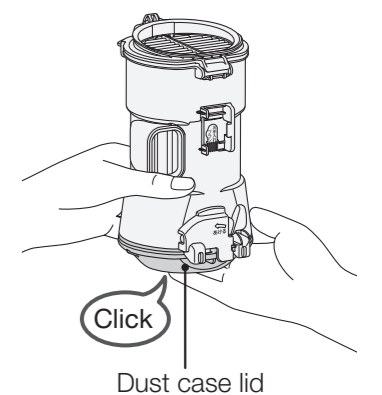


**CAUTION**

**Risk of injury**  
You might have unintentionally vacuumed sharp objects such as glass shards or pins. Be careful when performing maintenance.

**5** Close the dust case lid.

Close until you hear a "click" sound.



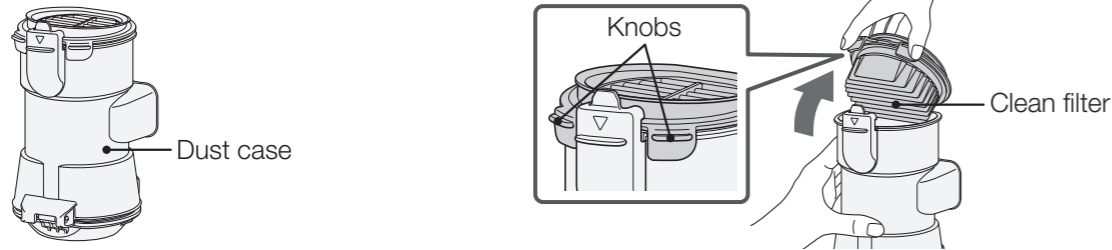
# Emptying the dust case and cleaning the filters (continued)

## Cleaning the filters

### Clean filter

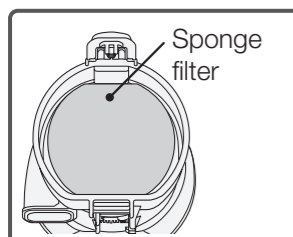
#### 1 Open the clean filter.

- 1 Set the dust case on the floor.
- 2 Grab and hold the lower part of the dust case, lift up the knobs of the clean filter, and open the cover in the direction indicated by the arrow.



#### 2 Remove dust and debris from the clean filter

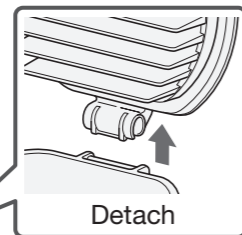
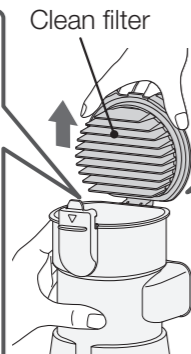
##### 1 Detach the clean filter.



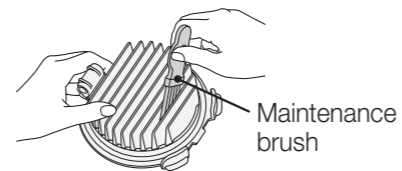
Wash the sponge filter with water if there is dirt on the filter. →(P.E-21)

##### Note

Be sure to attach the sponge filter after emptying the dust case or cleaning the filters.



##### 2 Remove attached dust along the folds of the clean filter with the maintenance brush.



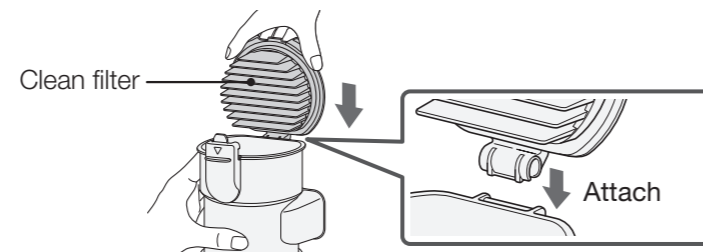
##### Note

- When removing dust and debris, do not slap the clean filter onto the floor, etc. Failure to do so might cause damage.
- To clean the clean filter, use the maintenance brush that was provided with the vacuum cleaner.
- Do not scrub the filter excessively hard using the maintenance brush. Otherwise, the clean filter may tear.

Perform maintenance (wash with water) when you are concerned about dirt or the suction power is weak. →(P.E-21)

#### 3 Attach the clean filter.

Attach the clean filter in the reverse order of removal.

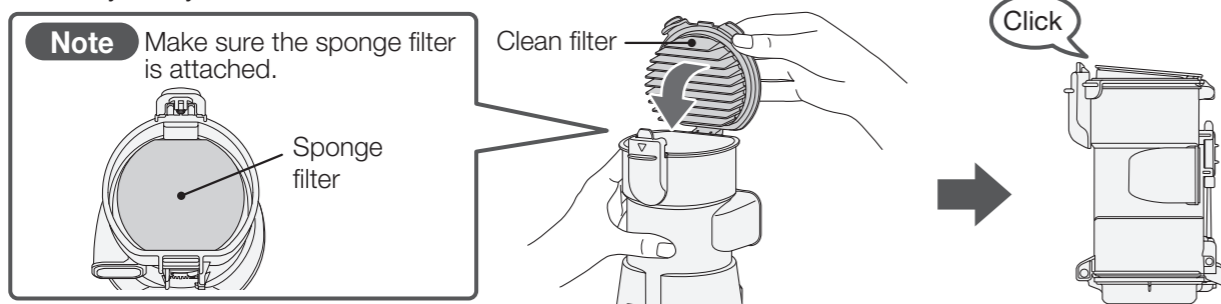


#### 4 Close the clean filter.

Press firmly until you hear a "click" sound.

##### Note

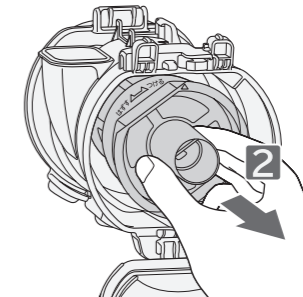
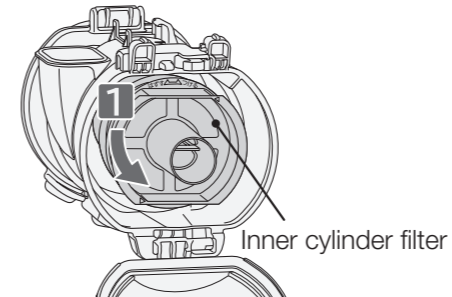
Make sure the sponge filter is attached.



### Inner cylinder filter

#### 1 Open the dust case lid →(P.E-17) and remove the inner cylinder filter.

- 1 Turn the inner cylinder filter in the Unlock direction as far as it will go.
- 2 Lift the inner cylinder filter straight up.

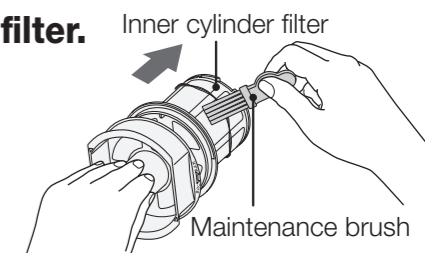


##### Note

Dust and debris might spill when you remove the inner cylinder filter. To catch the dust and debris, spread newspaper on the ground before you remove the inner cylinder filter.

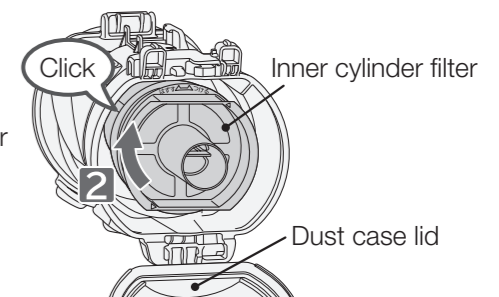
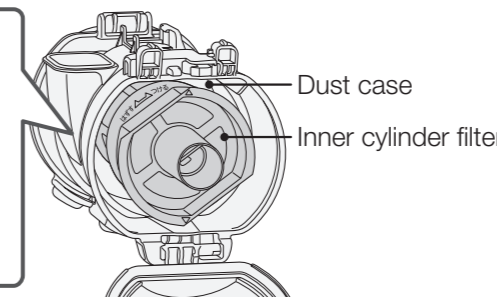
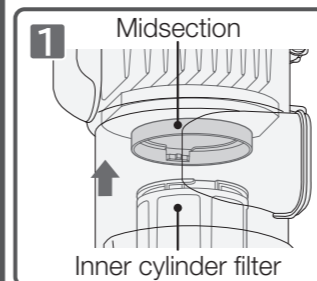
#### 2 Remove dust and debris from the inner cylinder filter.

You can easily remove dust and debris caught in the inner cylinder filter by sliding the maintenance brush in the direction indicated by the arrow.



#### 3 Attach the inner cylinder filter and close the dust case lid. →(P.E-17)

- 1 Match the inner cylinder filter with the center of the dust case.
- 2 Push the inner cylinder filter down and turn the inner cylinder filter in the Lock direction until you hear a click.

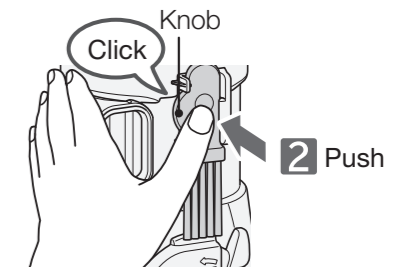
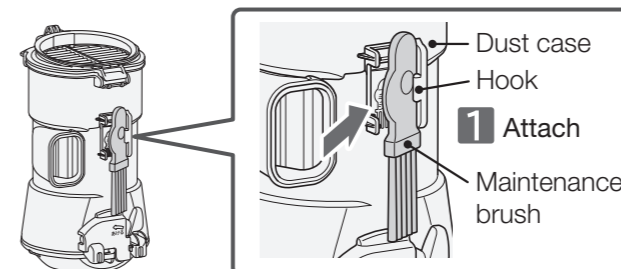


##### Note

If the filter is not securely attached, it might fall when you empty the dust case. Similarly, if you use the vacuum cleaner without securely attaching the filter, strange sounds might come from around the filter.

#### 4 Attach the maintenance brush to the back side of the dust case.

- 1 Attach the maintenance brush to the hook of the dust case.
- 2 Firmly attach the knob of the maintenance brush until you hear a "click" sound.



##### Note

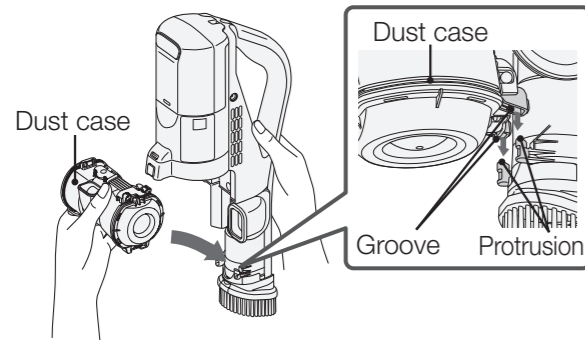
If the vacuum cleaner is started without the maintenance brush attached to the back side of the dust case equipped on the vacuum cleaner, the brush might become detached. Securely attach the maintenance brush to the back side of the dust case.

# Emptying the dust case and cleaning the filters (continued)

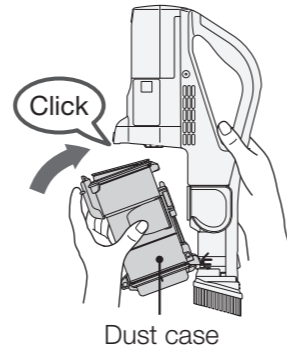
## Attaching the dust case

### Attach the dust case

- 1 Hook the grooves (two places) of the dust case on the protrusions (two places) of the vacuum cleaner.
- 2 Firmly attach the dust case until you hear a "click" sound.



Hold the vacuum cleaner in the positions shown in the figure. It might be difficult to install the vacuum cleaner if you hold other parts of it.



# Maintenance

To clean with high suction power, we recommend performing frequent maintenance.

## Vacuum cleaner, attachments, attachment accessories

Perform maintenance when you are concerned about dirt.  
Moisten a soft cloth and then wring it out thoroughly.



### WARNING

#### Risk of eruption, fire, electric shock, or injury.

- When maintaining the vacuum cleaner, remove the connector from the vacuum cleaner.
- Do not use flammable objects, combustibles (thinner, benzene), etc.



### CAUTION

#### Risk of injury

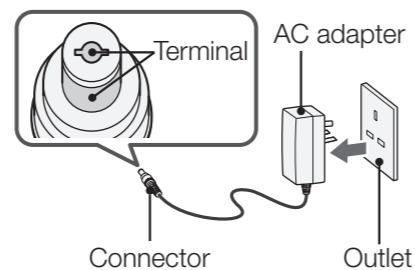
Before performing maintenance on the vacuum cleaner, make sure the vacuum cleaner is turned off.

### Note

Do not use alcohol, cleansers, chemical dust and debris cloths, etc. They might cause cracks or discoloration.

## Terminals on the AC adapter

Disconnect the AC adapter from the outlet, and use a soft, dry cloth to wipe the terminals of the connector. Remove the connector to clean the main body.



## Washable Parts

The maintenance brush, handy brush →(P.E-14), two-way crevice nozzle →(P.E-15), clean filter, sponge filter →(P.E-21), inner cylinder filter/dust case →(P.E-22), and rotary brush →(P.E-24) are washable.

Do not wash any other attachments or parts with water.

After washing the parts with water, allow it to dry thoroughly in the shade before using it. About 24 hours is required for the clean filter, sponge filter and rotary brush to dry. (The drying time varies depending on the environment and season.)

### Note

During maintenance, fine dust and debris might disperse into the air. Perform maintenance in a wellventilated environment (for example, outdoors) or wear a mask to avoid breathing in the dust and debris.

## Maintaining (washing with water) the filters

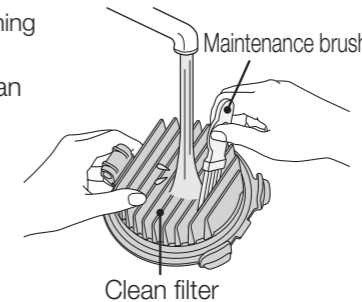
Wash the filters with water, if the filter indicator blinks in red or the vacuum cleaner's suction power is weak.

### Clean filter, sponge filter

## 1

#### Wash the filters with water by using the maintenance brush.

- Gently remove any attached dust and debris from the filters before washing them with water.
- Detach and then wash the clean filter with water. →(P.E-18)
- When washing the clean filter with water, thoroughly remove any dust and debris stuck in its folds.
- Run the maintenance brush along the folds of the clean filter as shown in the diagram.



### CAUTION

#### Risk of injury

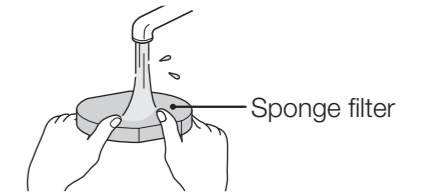
You might have unintentionally vacuumed sharp objects such as glass shards or pins. Be careful when performing maintenance.

### Note

- To clean the clean filter, use the maintenance brush that was provided with the vacuum cleaner.
- Do not scrub the filter excessively hard using the maintenance brush. Otherwise, the clean filter may tear.

## 2

#### To wash the sponge filter, gently squeeze the sponge filter while holding it under running water.



## 3

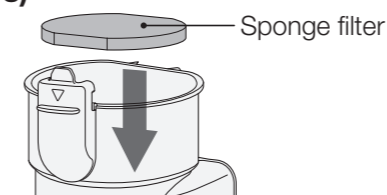
#### Air dry the filters.

- Air dry thoroughly in the shade. Drying the clean filter and sponge filter requires about 24 hours. (The drying time varies depending on the environment and season.)
- Also, do not dry it with hot air such as that from a hair dryer. Doing so might cause a performance degrade, damage, or deformation.

## 4

#### Attach the sponge filter.

Attach it by following the removal procedure in reverse. →(P.E-18)



### Note

- Be sure to attach the sponge filter. If you do not attach the sponge filter, the clean filter might become clogged after a short period of use or the vacuum cleaner might make strange sounds. →(P.E-26)
- After washing the filter with water, allow it to thoroughly air dry in the shade before you reassemble it. Do not use them without drying. Doing so might clog the filters soon and cause weak suction power or abnormal odor.

## 5

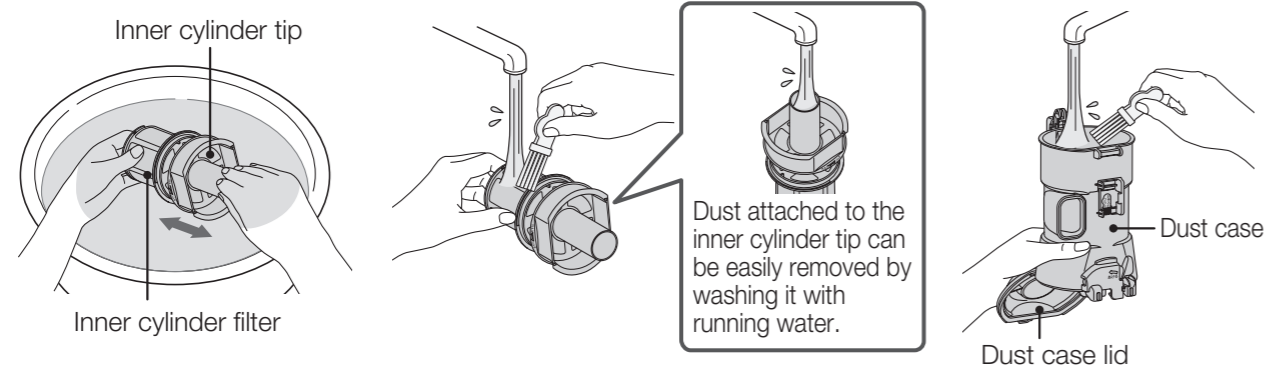
#### Attach the clean filter. →(P.E-18)

# Maintenance (continued)

## Inner cylinder filter

### 1 Remove the inner cylinder filter. →(P.E-19)

### 2 Wash the inner cylinder filter and dust case with water.



Move the inner cylinder tip in the direction of the arrow and wash with water.

- Note**
- Gently remove any attached dust and debris from the filters before washing them with water.
  - Drain the water attached to the inner cylinder filter thoroughly after washing.
  - Do not shake the dust case hard while the dust case lid is open. Doing so may result in damage.

### 3 Air dry the filter.

- After washing the filter with water, allow it to thoroughly air dry in the shade before you reassemble it. Do not use it without drying. Doing so might clog the filters soon and cause weak suction power or abnormal odor. →(P.E-26)
- Also, do not dry it with hot air such as that from a hair dryer. Doing so might cause a performance degrade, damage, or deformation.

### 4 Attach the inner cylinder filter. →(P.E-19)



#### Risk of damage to the vacuum cleaner

Attach the dust case and filters before operation. If any dust and debris enters the motor, the filter inside the vacuum cleaner might be clogged and strange sounds might come from the vacuum cleaner. In this case, please consult a Hitachi authorized service agent.



If the suction power is weak even after washing the filters with water, the clean filter, sponge filter, etc. might be worn. To request replacement, please contact a Hitachi authorized service agent.

# Cleaning the power head

Perform maintenance when suction power is weak or when dirt becomes a concern.

We recommend periodic maintenance (about once a month).

Dust and debris stuck to the safety switch, rotary brush, brushes, wheels, air inlet, and rotating sections might cause damage to the floor, reductions in suction power, or malfunctions.

Using the vacuum cleaner while there is dust or lint tangled around the rotary brush or its axle may lead to a malfunction or failure.



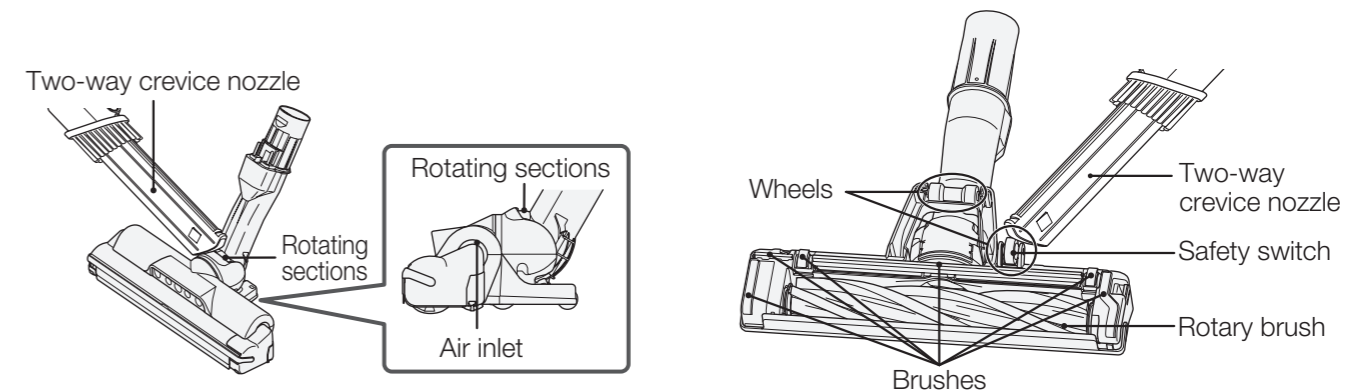
#### CAUTION

#### Risk of injury

Before performing maintenance, detach the power head from the vacuum cleaner or extension pipe.

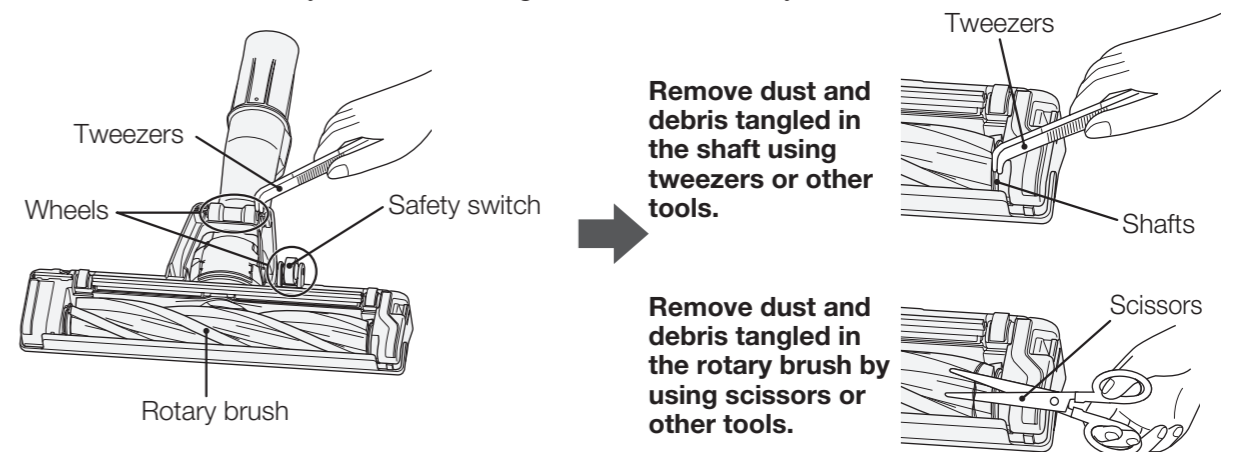
### Remove attached dust and debris

Use the two-way crevice nozzle or a similar tool to remove any attached dust.



### Remove tangled dust and debris

Use tweezers to remove any dust that is tangled around the rotary brush.



Remove dust and debris tangled in the shaft using tweezers or other tools.

Remove dust and debris tangled in the rotary brush by using scissors or other tools.



#### CAUTION

#### Risk of malfunction or damage to the floor

- If dust and debris get tangled in the wheels, the wheels cannot rotate, which might cause malfunction, wear, or floor damage.
- After extended use, the brushes, wheels, and rotary brush might wear down. Using the power head while they are worn out might damage the floor. You cannot replace the brushes or wheels by yourself. Please contact a Hitachi authorized service agent to have the brushes, wheels, and rotary brush replaced as a set. The rotary brush can be purchased as a replacement part. →(P.E-30)

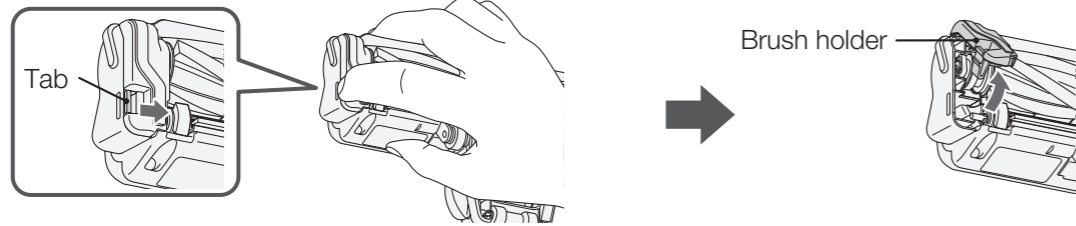


Do not subject the safety switch to excessive force. Failure to do so might cause damage.

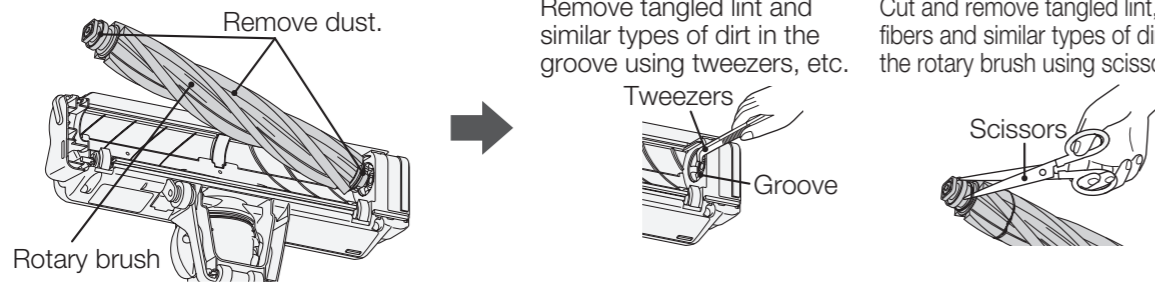
# Cleaning the power head (Continued)

## Rotary brush maintenance.

**1 Remove the brush holder.**  
Turn the power head over and remove the brush holder while pushing the tab in the direction of the arrow.

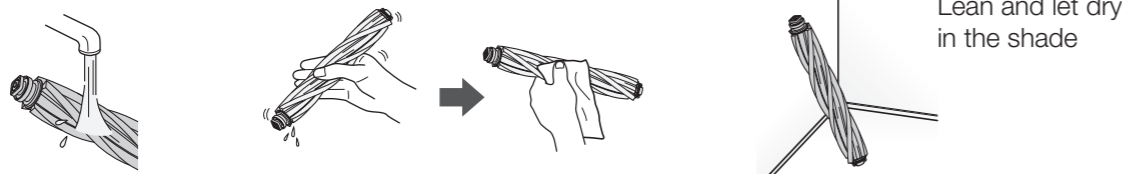


**2 Detach the rotary brush and remove dust.**  
Remove tangled lint and similar types of dirt in the groove using tweezers, etc. Cut and remove tangled lint, hair, fibers and similar types of dirt around the rotary brush using scissors, etc.



### Washing the rotary brush with water

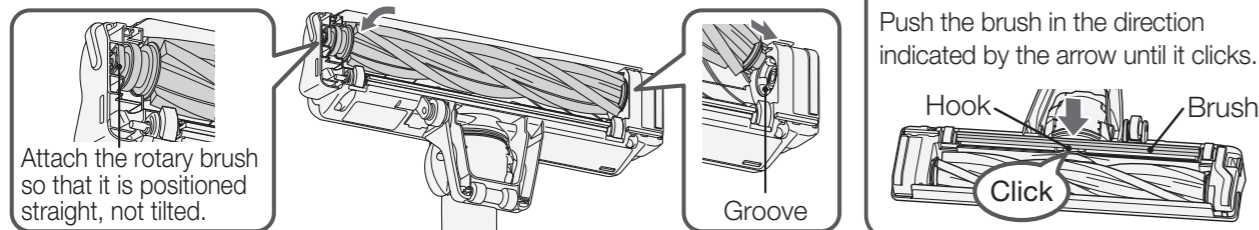
**1 Wash it with water.** **2 Shake to remove excessive water.** **3 Thoroughly air dry.**



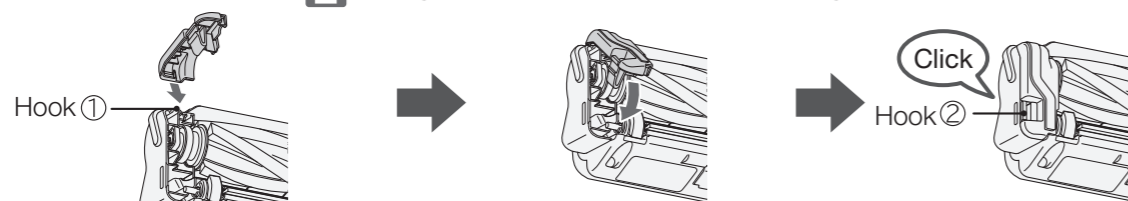
**Note**

- Do not use cleansers, bleach, etc. Doing so might cause discoloration, deformation, etc.
- After washing with water, thoroughly air dry it in the shade before attaching it. Drying it requires approx. 24 hours. (The drying time varies depending on the environment and season.)

**3 Adjust the rotary brush with the groove and attach it to its original position.**



**4 Attach the brush holder.**  
**1 Insert the hook ①** **2 Firmly attach the brush holder until you hear a click.**



**Note**

- When attaching the brush holder, fasten the hook ① first. Failure to do so might cause damage.
- Make sure that the brush holder is firmly attached and that hook ② is engaged. Otherwise, it may cause the brush holder to become deformed and come off during cleaning.

# Troubleshooting

Before requesting for repair

Check the following points again.

The vacuum cleaner does not operate, or stops while the vacuum cleaner is running. The suction power is weak. The rotary brush does not rotate.

The safeguard might be operating. Release the safeguard with the following instructions.

Safeguard and cause	Suction power of the vacuum cleaner becomes weak or stops while the vacuum cleaner is running.		The rotary brush of the power head stops.	
	<p>To prevent the vacuum motor or the battery from overheating, the vacuum cleaner might sometimes automatically enter safe mode, in which the vacuum cleaner runs with less electricity and reduced suction power.</p>	<p>If the vacuum cleaner is continuously operated in a state where there is a lot of resistance to the rotary brush, the rotation of the rotary brush stops automatically to prevent the motor from overheating.</p>	<p>The filter indicator is "blinking" (lights up approximately once per second).</p> <p>The battery indicator is "blinking slowly" (approximately once every four seconds).</p>	<p>The filter indicator is "blinking" (lights up approximately once per second).</p> <p>The filter indicator remains "turned off".</p>
	<p>Clean filter or sponge filter clogged with dust → Go to ①</p> <p>Operation while the inlet is blocked → Go to ②</p>	<p>The battery is hot → Go to ① or ③</p> <p>The vacuum cleaner motor is hot → Go to ③</p>	<p>Clean filter or sponge filter clogged with dust → Go to ①</p> <p>Operation while the inlet is blocked → Go to ②</p> <p>Foreign substance stuck → Go to ④</p> <p>Power head pressed against floor or carpet → Go to ⑤</p>	


If the vacuum cleaner continues to be operated in this state, it will automatically stop.

Instructions	Press the  button of the vacuum cleaner to stop operation.				
	①	②	③	④	⑤
	<p>Empty the dust case or maintain the dust case or filters. →(P.E-16 to E-22)</p>	<p>Remove the object that is blocking the inlet.</p>	<p>Let the vacuum cleaner cool down. (It might take some time before the vacuum cleaner cools down.)</p>	<p>Remove the foreign substance from the rotary brush. →(P.E-23, E-24)</p>	<p>Do not press the power head against the floor or carpet.</p>

The safeguard is released after 5 to 60 minutes, and you can use the cleaner as usual.



# Troubleshooting (continued)

## Other problems

Problem	Things to check	Instructions	Page
<b>Suction power becomes weak or stops while the vacuum cleaner is running.</b>	The battery level is low. (The battery indicator lamp flashes (approximately once every second).)	Charge the battery.	<b>P.E-10</b>
	Is the exhaust abnormally hot?	Press the "Power Off" button to stop operation, wait for the vacuum cleaner to cool down, and then start operation again.	-
	Is the battery indicator blinking slowly (about once per four seconds)?		<b>P.E-25</b>
	When continuously operating on "High" in places of high temperature, such as under direct sunlight or in cars exposed to the sun, the safeguard might operate and the suction power might become weak to prevent the vacuum cleaner motor and battery from overheating. Also, the battery indicator blinks slowly.		
<b>Suction power stops while the vacuum cleaner is running. (Filter indicator is blinking. The operation sound increased.)</b>	Is the dust case full of dust and debris?	Empty the dust case.	<b>P.E-16 P.E-17</b>
	Is dust and debris stuck in the filters?	Perform maintenance for (wash with water) each filter.	<b>P.E-18, E-19 P.E-21, E-22</b>
	Is dust and debris clogging the vacuum cleaner air duct?	Remove the dust and debris using disposable chopsticks, etc. 	-
	Is dust and debris clogging the power head?	Remove the dust and debris.	<b>P.E-23 P.E-24</b>
	Did you use the vacuum cleaner to clean up fine sand or dust and debris?	Empty the dust case and perform maintenance for (wash with water) each filter.	<b>P.E-16 to E-19 P.E-21, E-22</b>
	<b>The vacuum cleaner does not operate, or stops while it is running.</b>	Is the remaining battery level low? [Battery indicator blinks (about once per second)]	Charge the battery.
Is the cleaner being charged?		Disconnect the AC adapter.	-
If the vacuum cleaner is used in a cold location (colder than approximately 5°C) or in a hot location (approximately 35°C or higher), it may not operate due to characteristics of the battery. Place the vacuum cleaner at room temperature (15°C to 25°C) [The battery indicator "blinks slowly" (lights up approximately once every four seconds)] for a short period of time, and then restart operation.			-
<b>Operating time is short even after charging.</b>	Are you using the vacuum cleaner in a cold or hot place?	Leave the vacuum cleaner in an area where the ambient temperature is between 15°C and 25°C for a while, and then restart operation.	-
	Did you leave the vacuum cleaner unattended for a long period of time without charging it?	The battery capacity might be temporarily recovering poorly. Repeat the procedure of using the cleaner until the battery is exhausted and charging fully about 2 to 3 times.	<b>P.E-11</b>
	Is the battery exhausted?	If the vacuum cleaner stops running after a short time even though it is fully charged and the filters are clean (wash with water), you might need to replace the battery. Please consult with a Hitachi authorized service agent.	<b>P.E-16 to E-19 P.E-21, E-22</b>
<b>The exhaust or vacuum cleaner gets warm (while the vacuum cleaner is in operation).</b>		This is normal. Motor will be cooled via air flow.	-
<b>The vacuum cleaner or AC adapter gets warm (during charging).</b>		It gets warm due to the flow of electrical current to the control circuit, which is normal.	-
<b>The exhaust smells strange.</b>	Is dust and debris stuck in the filters?	Perform maintenance for (wash with water) each filter.	<b>P.E-21 P.E-22</b>
	Are the filters thoroughly dried after washing with water?	After washing the filters with water, air dry them thoroughly in the shade.	
	If the problem persists even after the above measures have been taken, you will need to replace the part that smells. Please consult an authorized Hitachi service agent.		-
<b>There are abnormal sounds coming from around the dust case.</b>	Are the dust case, inner cylinder filter, and clean filter securely attached?	Securely attach them.	<b>P.E-18 to E-20</b>
	Is dust and debris clogging the vacuum cleaner air duct?	Remove the dust and debris using disposable chopsticks, etc.	-

Problem	Things to check	Instructions	Page
<b>Dust in the dust case does not rotate and accumulates unevenly.</b>		Dust and debris might not rotate depending on the type of dust and debris and how it accumulates, which is normal.	-
<b>Dust and debris spills out of the vacuum cleaner when the dust case is removed.</b>	Has the dust and debris in the dust case exceeded the dust and debris Max line?	Dispose of the dust and debris before it reaches the dust and debris Max line.	<b>P.E-16 P.E-17</b>
<b>Dust and debris spills out when attachments are removed.</b>	Has the dust and debris in the dust case exceeded the dust and debris Max line?	Dispose of the dust and debris before it reaches the dust and debris Max line.	<b>P.E-16 P.E-17</b>
	If operation is stopped while the vacuum cleaner is running facing upwards, dust and debris might remain in the vacuum cleaner air duct. Stop operation while the vacuum cleaner is facing downwards.		-
<b>The rotary brush of the power head stops or rotates poorly.</b>	Is the remaining battery level low? [Battery indicator blinks (about once per second)]	Charge the battery.	<b>P.E-10</b>
	Is the power head securely attached?	Securely attach it.	<b>P.E-2</b>
	Is the power head not touching the floor?	The vacuum cleaner is designed to stop operating when lifted from the floor. Place the power head on the floor.	<b>P.E-14</b>
	Is dust and debris stuck to the rotary brush, safety switch, etc.?	Remove the dust and debris.	<b>P.E-23 P.E-24</b>
	Is there foreign matter stuck in it?	The safeguard is operating. Remove the foreign matter, and wait a while before restarting.	<b>P.E-25</b>
	Is it firmly pressed against the floor or carpet?	The safeguard is operating. Wait a while before restarting.	
<b>The rotary brush of the power head stops, or the LED lights turn off. (The filter indicator "blinks".)</b>	The rotary brush may stop automatically to prevent the power head motor from overheating.	Empty the dust case and clean the filters (wash with water). Remove any objects blocking the inlet.	<b>P.E-16 to E-19 P.E-21, P.E-22</b>
<b>The rotary brush of the power head does not rotate.</b>	The safeguard is operating. Wait a while before restarting.		<b>P.E-25</b>
<b>The LED light is dim.</b>	Is the remaining battery level low?	Charge the battery.	<b>P.E-10</b>
<b>There is a clattering sound coming from the power head.</b>		The safety switch is designed to produce the sound. This does not indicate a problem with the vacuum cleaner.	-
<b>You may hear a ticking sound when the direction of the power head changes.</b>		This sound occurs due to the structure of the power head. This is normal.	-
<b>The battery indicator lamp does not turn on when the vacuum cleaner is charged</b>	Is the AC adapter firmly plugged into the outlet?	Firmly plug in the adapter.	<b>P.E-10</b>
	Is the connector of the AC adapter firmly inserted into the vacuum cleaner?	Firmly insert the connector.	
	Is the battery fully charged?	When fully charged, the battery indicator turns off.	
	Are the terminals on the AC adapter or vacuum cleaner dirty?	Unplug the AC adapter and remove the dust and debris on the terminals with a dry cloth.	<b>P.E-20</b>
	Has the vacuum cleaner not been in use for a long time? If it has not been charged for a long time, the battery might need to be replaced as its performance and battery life might already have deteriorated. Please consult with a Hitachi authorized service agent.		

# Troubleshooting (continued)

Problem	Things to check	Instructions	Page	
Indicator 	<b>Blinks quickly during charging. (Lights up approximately twice per second.)</b>	Are you using the AC adapter that was provided with the vacuum cleaner? Is the room temperature between 5°C and 35°C.	Do not use an AC adapter other than the one that was provided with the vacuum cleaner. Recharge where the room temperature is between 5°C and 35°C.	- P.E-11
	<b>Blinks slowly during operation or immediately after operation starts (lights up approximately once every four seconds).</b>	This indicates that the vacuum cleaner is in Safe mode to prevent the vacuum cleaner motor and the battery from overheating. (The main body or battery may become warm during charging.)	Wait for the vacuum cleaner to cool down, and then restart operation.	- P.E-25
Indicator  + Filter Maintenance	<b>Simultaneously blinks quickly during charging. (Lights up approximately twice per second.)</b>	The battery power has been consumed, or a failure has occurred in the battery, the AC adapter, or the vacuum cleaner. Please consult an authorized Hitachi service agent.		-
	<b>Simultaneously blinks quickly during operation. (Lights up approximately twice per second.)</b>	The battery power has been consumed, or a failure has occurred in the battery or the vacuum cleaner. Please consult an authorized Hitachi service agent.		-
<b>It takes a long time to charge.</b>	Did the vacuum cleaner not heat up when the connector of the AC adapter was inserted into the terminal of the vacuum cleaner?	The safeguard is operating, which is normal. When fully charged, the battery indicator turns off.	P.E-9 to E-11	
	Is the room temperature lower than 5°C or higher than 35°C?	Charge in areas where the room temperature is between 5°C and 35°C.	P.E-8 P.E-11	
	Charging time of battery might be longer according to the usage environment and conditions such as the ambient temperature and how long the vacuum cleaner was in use.		P.E-9, P.E-11	
	If the battery indicator remains lit even after the battery has been charged for over 7 hours, the device might be damaged. Please consult with a Hitachi authorized service agent.		-	
<b>Static electricity shock when touching the vacuum cleaner</b>	Static electricity may be generated when the vacuum cleaner vacuums dust. This is not a malfunction. If this problem occurs frequently, please consult an authorized Hitachi service agent.		-	
<b>If the problem persists</b>		Do not attempt to repair it yourself. Please consult a Hitachi authorized service agent.	-	

## About replacing the old battery

The battery is a consumable item. The usage time will gradually decrease with repeated use. If the usage time of the battery becomes short even when it has been correctly charged, this indicates that the life of the battery has reached its end. Please replace the battery. The battery cannot be replaced by the customer. If you want to replace the battery because its life has expired, etc. rather than disposing of the vacuum cleaner, consult an authorized Hitachi service agent. When the battery is replaced, the battery replacement cost will be charged in addition to the cost of a battery (The battery life varies depending on your environment and conditions, such as the ambient temperature and the frequency of use.).

## Disposing of the vacuum cleaner

**⚠ DANGER**



- Do not connect the battery to anything other than this vacuum cleaner. Do not disassemble, modify, or solder the battery. Do not charge the battery when it is not connected to the vacuum cleaner. Replacement of the battery is only to be performed by a trained service technician. Failure to heed this warning might cause the battery to leak, generate heat, rupture, smoke, fire, electric shock, or injury.
- Do not attempt to use a vacuum cleaner (whose screws have been removed, etc.) from which you attempted to remove a battery.
- Do not detach the battery while the vacuum cleaner is in operation. Failure to heed this warning might cause smoke, fire, electric shock, or injury.

To prevent damage to property and personal injury, please thoroughly read the Safety precautions →(P.E-4 to E-8) and dispose of the product correctly.

### Recycling the battery (when disposing of the product)

This product uses a lithium-ion battery. Lithium-ion batteries are a valuable, recyclable resource.



Li-ion 20

To dispose of the vacuum cleaner, detach the battery according to the following procedure, and then bring the vacuum cleaner to a Hitachi authorized service agent or one of our recycling partner stores. Alternatively, ask local authorities about the proper method of disposing of the vacuum cleaner, and follow your local recycling regulations. \*Recycling rules might vary depending on the local authorities.

### Detaching the battery (when disposing of the product)

Prepare the tools listed on the right, and follow the procedure to detach the battery.

**Tools to prepare:** Phillips screwdriver, wire cutters, and vinyl tape

**Note** Do not remove the battery from the vacuum cleaner except when you are disposing of the vacuum cleaner. You can charge the battery without removing it from the main body.

### 1 Use the vacuum cleaner until the battery is completely flat and the vacuum cleaner can no longer operate.



**WARNING**

**Risk of electric shock or injury**

If the battery is not completely flat, the motor might start running while the battery is being removed.

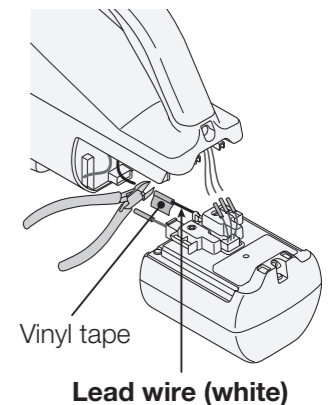
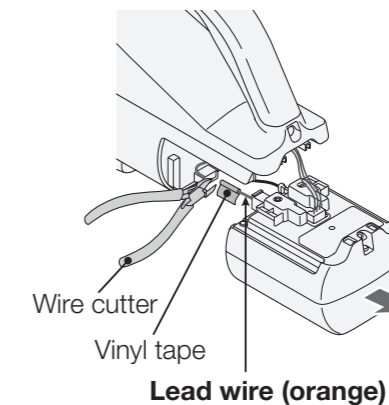
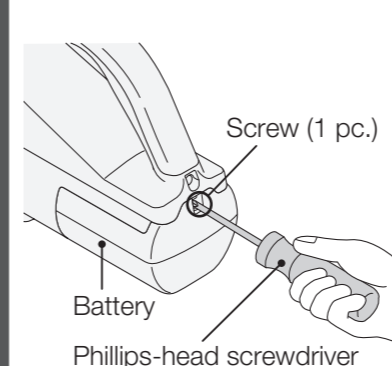
### 2 Removing the dust case →(P.E-17), the extension pipe, and the power head →(P.E-2).

### 3 Detach the battery (when disposing of the product).

**1** Using a Phillips-head screwdriver, remove one screw securing the battery.

**2** Pull out the battery, cut the orange lead wire connecting the battery to the vacuum cleaner approximately 2cm away from the battery using a wire cutter, and insulate it by wrapping it with vinyl tape.

**3** Cut the remaining lead wires approximately 2cm away from the battery one at a time using a wire cutter, and insulate them one by one by wrapping them with vinyl tape.

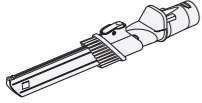
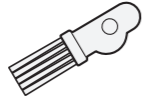


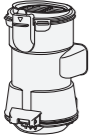
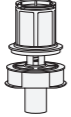

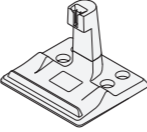


**WARNING**

**Risk of fire, electric shock, or injury**

- Do not press the control buttons when detaching the battery. Otherwise, the motor starts.
- When cutting the lead wires, cut them one by one separately.
- Keep the battery away from children. Failure to do so might cause an electric shock or injury.

# Replacement parts

Two-way crevice nozzle (D-SH9)	Maintenance brush	Sponge filter	Clean filter
 Service parts PV-BFH900-017	 Service parts PVBHL1000J1-004	 Service parts PV-BJ700G-014	 Service parts PV-BJ700G-013
Dust case (with each filter)	Inner cylinder filter	Rotary brush	Vacuum cleaner stand
 Service parts PV-XL300K-902	 Service parts PV-BL20G-009	 Service parts CV-KP900J-011	 Service parts PV-XL300JT-909
Since batteries are consumables, they will only be available for a charge. →(P.E-28)			

# Specifications

<b>Product name</b>		Cordless Stick Vacuum Cleaner				
<b>Model</b>		PV-XL300K				
<b>Vacuum cleaner</b>	Rated voltage	DC18.0V	<b>AC adapter</b>	Input	AC220-240V 50-60Hz 0.3A	
	Nominal capacity	2.1Ah		Output	DC21.5V 0.9A	
	Dust collection capacity	0.15L		Charge time	About 3.5 hours (Varies depending on factors such as the ambient temperature and how long the vacuum cleaner was in use)	
	Battery	Lithium-ion battery (5 cells)		Cord length	1.6m	
	Continuous operating time* (At full charge, new battery, 20 °C)	<b>High: Approx. 8 minutes</b> <b>Standard: Approx. 30 minutes (with the power head)</b> <b>Standard: Approx. 45 minutes (without the power head)</b>				
	Dimensions	Stick cleaner (L x W x H)	205mm x 230mm x 994mm	Weight	Stick cleaner	1.1kg
		Handy cleaner (L x W x H)	321mm x 90mm x 172mm		Handy cleaner	0.8kg
<b>Dimensions when stored</b>		249mm x 280mm x 1,021mm				
<b>Attachments</b>		Power head..... 1 pc. Extension pipe..... 1 pc. AC adapter (PVA-EX02-BS)..... 1 pc.	Vacuum cleaner stand (stand)..... 1 pc. Vacuum cleaner stand (base)..... 1 pc.			
<b>Attachment accessories</b>		Maintenance brush..... 1 pc. Handy brush..... 1 pc.	Two-way crevice nozzle..... 1 pc.			

\* Operating time varies depending on the conditions such as ambient temperatures.



**HITACHI**