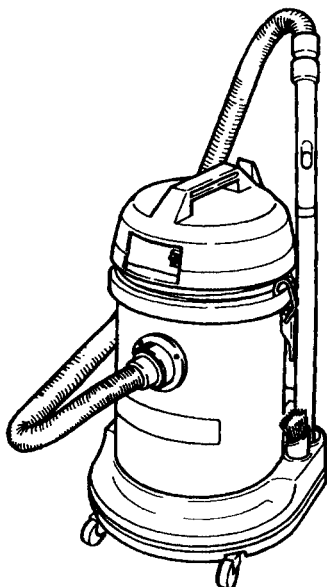


# HITACHI

## INSTRUCTION MANUAL AND SAFETY INSTRUCTIONS FOR DUST COLLECTOR

### **MODE D'EMPLOI ET CONSIGNES DE SÉCURITÉ POUR ASPIRATEUR A POUSSIÈRES**

**MODEL RP 30SA**



#### **⚠ WARNING:**

Improper and unsafe use of this power appliance can result in death or serious bodily injury! This manual contains important information about product safety. Please read and understand this manual carefully before operating the power appliance. Please keep this manual available for other people before they use the power appliance.

#### **⚠ ATTENTION:**

*Une utilisation inappropriée ou erronée de ces appareils peut avoir des conséquences mortelles ou causer des dommages aux personnes.*

*Le mode d'emploi contient d'importantes indications sur la sécurité des appareils. Nous vous prions de le lire attentivement avant de la mise en service des appareils et de le rendre disponible aux autres personnes avant l'utilisation.*



**DOUBLE INSULATION**  
**ISOLATION DOUBLE**

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# IMPORTANT INFORMATION

Please read carefully and understand all of the operating instructions, safety precautions and warnings in the Instruction Manual before operating or maintaining this power appliance.

Most accidents resulting from power appliance operation and maintenance are caused by the failure to observe basic safety rules or precautions. An accident can often be avoided by recognizing a potentially hazardous situation before it occurs, and by complying with appropriate safety procedures.

The basic safety precautions are outlined in the **"SAFETY"** section of this Instruction Manual and in the sections which contain the operation and maintenance instructions.

Hazards that must be avoided to prevent bodily injury or machine damage are identified by **"WARNING"** on the power appliance and in this Instruction Manual.

Never use this power appliance in a manner that has not been specifically recommended by HITACHI in this Instruction Manual, unless you first confirm that the planned use will be safe for you and others.

## MEANINGS OF KEY WORDS

**WARNING** indicates a potentially hazardous situations which, if ignored, could result in serious personal injury.

**CAUTION** indicates a hazardous situations which, if ignored, could result in moderate personal injury, or could cause machine damage.

**NOTE** emphasizes essential information.

# **SAFETY**

## **IMPORTANT SAFETY INSTRUCTIONS FOR THE USE OF OLL POWER APPLIANCES**

**⚠ WARNING:** Death or serious bodily injury could result from improper or unsafe use of power appliances. To avoid these risks, follow these basic safety instructions:

### **PLEASE READ ALL INSTRUCTIONS BEFORE USE**

- ⚠ WARNING:** To reduce the risk of fire, electric shock or injury:
- Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing. Do not expose to rain - Store indoors.
  - Do not allow to be used as a toy. Close attention is necessary when used by or near children.
  - Use only as described in this manual. Use only, manufacturer's recommended attachments.
  - Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, or left outdoors, or fall en into water, let it check by an authorized service center.
  - Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
  - Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
  - Do not handle plug or appliance with wet hands.
  - Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
  - Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
  - Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
  - Do not use without dust bag and/or filters in place.
  - Turn off all controls before unplugging.
  - Use extra care when cleaning on stairs.
  - Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
  - This appliance is provided with double insulation. Use only identical replacements parts. See instructions for servicing of Double - Insulated Appliances.

**SAVE THESE INSTRUCTIONS AND MAKE THEM AVAILABLE  
TO OTHER USERS OF THIS APPLIANCE**

# IMPORTANT SAFETY INSTRUCTIONS FOR THE USE OF THE DUST COLLECTOR

**⚠ WARNING:** Death or serious bodily injury could result from improper or unsafe use of power appliances. To avoid these risks, follow these basic safety instructions:

1. Never use this machine for any application other than those in this manual.  
This dust collector is a machine for collecting the dust generated when concrete, wood, etc. are ground, cut, or drilled with electric power tools in commercial or domestic environments.  
It can also be used for the suction of liquids, eg. for clogged sinks or to drain water, etc.
2. Never collect any of the following with this machine:
  - \* Grinding sparks generated in grinding or cutting of metals.
  - \* High-temperature objects, such as lit cigarettes or cigarette butts.
  - \* Flammable materials (gasoline, paint thinner, benzine, alcohol, etc.), explosive materials (nitroglycerine etc.), or combustible materials (aluminum, magnesium, red phosphorus, yellow phosphorus, celluloid, etc.).
  - \* Toxic dust for human and animal health.
  - \* Tacky dust or nails, razor blades, or other sharp objects (filters would rapidly become useless).
  - \* Detergent or other foaming liquids, oils, hot water, liquid medicines.
3. Never knock this machine over or use it turned over on its side.  
This can cause electrical shock and breakdowns.
4. Never use this machine with its dust intake port, air inlet, or air outlet blocked.  
The motor temperature rises abnormally high and this can cause parts deformation or motor burn out.
5. Never use this machine with the float regulator triggered.  
Never use this machine with foreign matter clogging the hose.  
The motor temperature rises abnormally high and cause parts deformation or motor burn out.
6. Never use this machine with the filter removed.  
Dust can get in the motor and make it burn out.

7. Always handle the hose carefully.  
Never bend the hose too forcefully, step on it, or move this machine around by pulling on the hose.
8. Always move this machine around carefully.  
In order to prevent deformation or breaking of the main unit due to it falling over, move it carefully.
9. Do not suck in dust if there are previously collected liquid residues in the tank.  
Do not suck in liquids if there are previously collected dust residues in the tank.
10. After collecting dust with this machine, throw out the dust and dirt in the stainless tank and clean it.  
A dirty stainless tank can cause bad smells, rust, or motor breakdown.  
In particular, after a liquid has been collected, if this machine is knocked over before the liquid has been thrown away, the liquid can get into the motor section or switch section and cause electrical shock and motor breakdown. Moreover, they can putrefy.

## **REPLACEMENT PARTS**

When servicing use only identical replacement parts.

Repairs should be conducted only by a Hitachi authorized service center.

## **POLARIZED PLUGS**

To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other).

This plug will fit in a polarized outlet only one way.

If the plug does not fit fully in the outlet, reverse the plug.

If it still does not fit, contact a qualified electrician to install the proper outlet.

Do not change the plug in any way.

## **USE OF EXTENSION CORD**

Replace or repair damaged cord.

Use proper size extension cord as shown in table below. An undersize cord will cause a drop in line voltage resulting in loss of power and overheating.

Make sure the extension cord is in good condition before using.

Ampere rating (on Nameplate)	0- 2.00	2.10- 3.4	3.5- 5.00	5.10- 7.0	7.10- 12.0	12.1- 16.0
Ext. Cord Length	Wire Size (AWG)					
25 Ft. (7.5 m)	18	18	18	18	16	14
50 Ft. (15 m)	18	18	18	16	14	12
75 Ft. (22.5 m)	18	18	16	14	12	10
100 Ft. (30 m)	18	16	14	12	10	
150 Ft. (45 m)	16	14	12	12		
200 Ft. (60 m)	16	14	12	10		

If extension cord is intended to be used outdoors, be sure it is marked with the suffix W - A following the cord type designation, for example - SJTW - A, to indicate it is acceptable for outdoor use.

**⚠ WARNING:** Avoid electrical shock hazard. Never use this tool with a damaged or frayed electrical cord or extension cord. Inspect all electrical cords regularly. Never use in or near water or in any environment where electric shock is possible.

## SERVICING OF DOUBLE-INSULATED APPLIANCES

A double-insulated appliance is marked with one more of the following:

- The words "DOUBLE INSULATION" or "DOUBLE INSULATED" or the double insulation symbol (square within a square).



**In a double-insulated appliance, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated appliance, not should a means for grounding be added to the appliance. Servicing a double-insulated appliance requires extreme care and knowledge of system, and should be done only by qualified service personnel. Replacement parts for a double-insulated appliance must be identical to the parts they replace.**

To keep the double insulation system effective, follow these precautions:

- Only HITACHI AUTHORIZED SERVICE CENTER should disassemble or assemble this power appliance, and only genuine HITACHI replacement parts should be installed.
- Clean the exterior of the power appliance only with a soft cloth moistened with soapy water, and dry thoroughly. Never use solvents, gasoline or thinners on plastic components; otherwise the plastic may dissolve.

# OPERATION AND MAINTENANCE

**NOTE:** The information contained in this Instruction Manual is designed to assist you in the safe operation and maintenance of the power appliance. Some illustrations in this Instruction Manual may show details or attachments that differ from those on your own power appliance.

## NAME OF PARTS

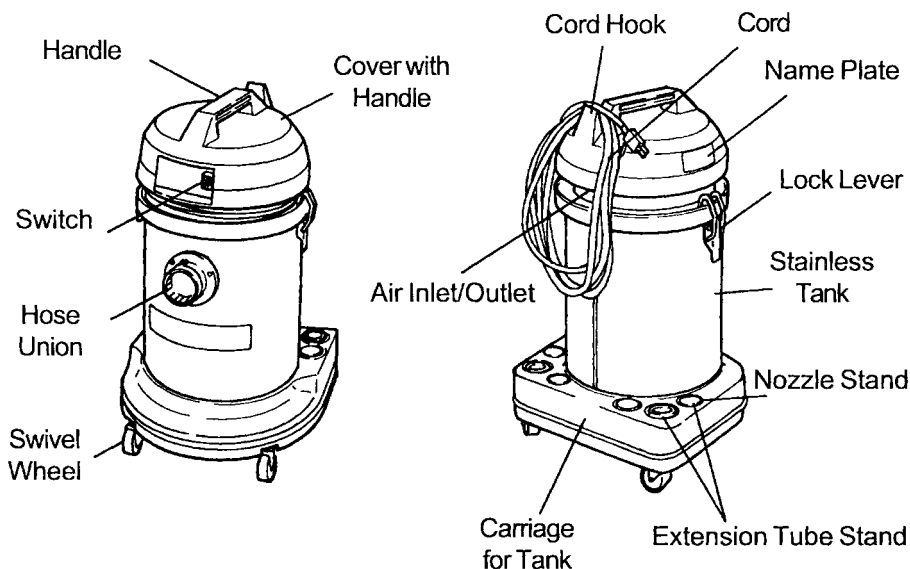
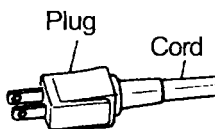


Fig. 1



## SPECIFICATIONS

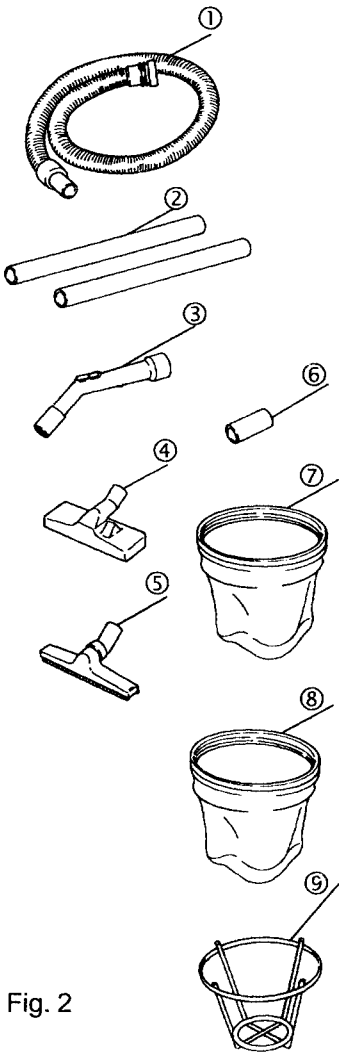
Motor	Single - Phase, Series Commutator Motor
Power Source	Single - Phase, 120 V. AC 60 Hz
Full - Load Current	8.0 A
Max Static Pressure	78" (200 BAR)
Max Blow Volume	106 cf / min (3 m <sup>3</sup> / min)
Useful Capacity Solids	6 gallon (22 l)
Useful Capacity Liquids	6.4 gallon (24 l)
Weight	21.5 lbs (9.8 kg)
Dimensions (W x L x H)	15 - 25/32" x 15 - 25/32" x 28 (400 mm x 400 mm x 715 mm)
Cord	SJTW - A 2 x 16 AWG x 16 ft (5 m)



ACCESSORIES

**⚠WARNING:** Accessories for this power appliance are mentioned in this Instruction Manual.  
The use of any other attachment or accessory can be dangerous and could cause injury or mechanical damage.

STANDARD ACCESSORIES

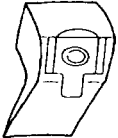
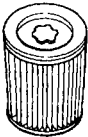



- ① Hose LD36 (length 9.84 ft, 3 m) ..... 1 pc.
- ② Extension Tube (Plastic) .....2 pcs
- ③ Handle .....1 pc.
- ④ Pedal Brush .....1 pc.
- ⑤ Nozzle for Fluid 260 D36 ..... 1 pc.
- ⑥ Adapter for Dust Cover .....1 pc.
- ⑦ Dry Dust Filter .....1 pc.
- ⑧ Wet & Dry Dust Filter ..... 1 pc.
- ⑨ Bag Tensioner Basket .....1 pc.

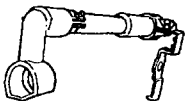
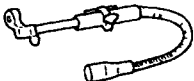

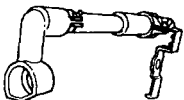
Fig. 2



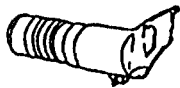
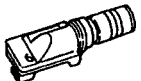
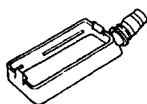
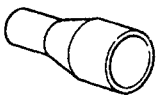
## OPTIONAL ACCESSORIES.....sold separately

### (1) Filter

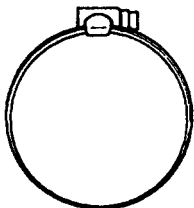
	Parts Name	Code N.	Application
	Paper Dust Bag	309481	For dry dust such as from concrete, stone, etc. (Thrown away after each use)
	Filter Cartridge	308303	For dry dust such as from concrete, stone, etc.
	Filter Foam killer	309176	For filthy water

### (2) Dust Collection Adapter

	Code N.	Applicable models
For HAMMER DRILLS		
	990912	DH25V
	308776	DH24VB, DH22VB, DH15DV, DH15D Cordless power tools
	308774	DH24VD, DH22VD
	986388	DH38YE, DH38YF

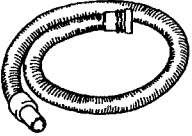
	Code N.	Applicable models
For ROUTERS		997466 TR12, M8, M8V, M12SA, M12V
For JIG SAWS		306054 CJ65VA2, CJ65V2
For CIRCULAR SAWS		302690 C7BD, C7SB
For ORBITAL SANDERS		300082 SV12SD, SV12V FSV13Y
		963557 FS10SA
For MITER SAWS, ETC.		308506 C8FB, C8F32, C10FA, C12FA, C15FB

### (3) Hose Band



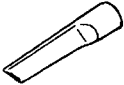




	Code N.	Application
Ø 38	308470	Used at the connection section for the standard accessory adapter and the dust collection adapter.
Ø 75	305455	Used at the connection section for a miter saw and the dust collection adapter.

**(4) Hose**

	Diameter	Length	Code N.
	1 - 7/16" (36 mm)	16 ft (5 m)	309451
		29 ft (9 m)	309452
	1" (25 mm)	16 ft (5 m)	309679

**(5) Others**

	Parts name	Code N.
	Stainless Estension Tube D.36	308462
	Brush D.36	308466
	Crevice Nozzle D.36	308465
	Uphostery Nozzle D.36	308464
	Pedal Brush with whell D.36	308457

# APPLICATIONS

- Collection of the dust generated when concrete, wood, etc. are ground, cut, or drilled with electric power tools.
- Work site and other general cleaning.
- Collection of water and the like spilled on the floor.

## PRIOR TO OPERATING

Some accessories are put inside the stainless steel tank. Remove them before use

**⚠WARNING:** Check the following before plugging the plug into the receptacle.

1. Confirm the power source:

Be sure to connect the appliance only to an AC power source with voltage matching that specified on the name plate.

**⚠WARNING:** Do not use this machine with a DC power supply. Not only is this dangerous, but it can damage this machine.

2. Confirm that the power switch is turned OFF.

If you connect the plug into the power supply without realizing that the switch is turned ON, you can start the machine unintentionally and cause an accident. When you press the ON side of the switch (See Fig. 1), the power comes on and when you press the OFF side, the power goes off. Always check that the switch is pressed the OFF side before plugging in the plug.

3. Check the power outlet.

Ensure that the plug fits fully into the receptacle and does not fall out after it is inserted. A loose and illfitting plug may cause overheating or other accident. Contact a nearby electrical repair shop to repair or replace the receptacle.

4. Check the filter.

Remove the two lock levers and lift up the cover with handle. (See Fig. 1)  
Next, check that the filter gasket is securely fastened to the stainless tank mouth. This machine is shipped from the factory with the dry dust filter installed. Use the filter appropriate to the application as shown in the table below.

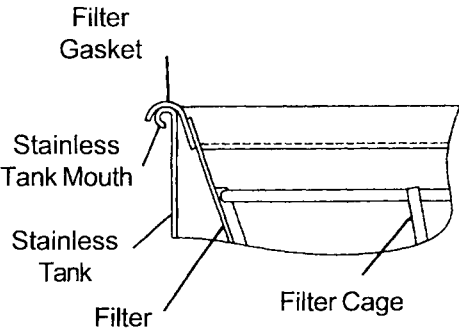


Fig. 3

	Application
Dry dust filter	For wood, concrete, stone, and other dry dust
Wet & dry dust filter	For water and other liquids and wet dust

**⚠CAUTION:** Since the dry dust filter clogs easily, do not use it for water or other liquids or wet dust.  
Since the wet & dry dust filter lets dust get by, do not use it for dry dust.

# OPERATING

1. Using connected to the dust collection adapter for an electric power tool.  
Insert the accessory hose's dust collector and into the hose union and insert the other and into the adapter.  
Insert the adapter into the dust collection adapter mouthpiece.

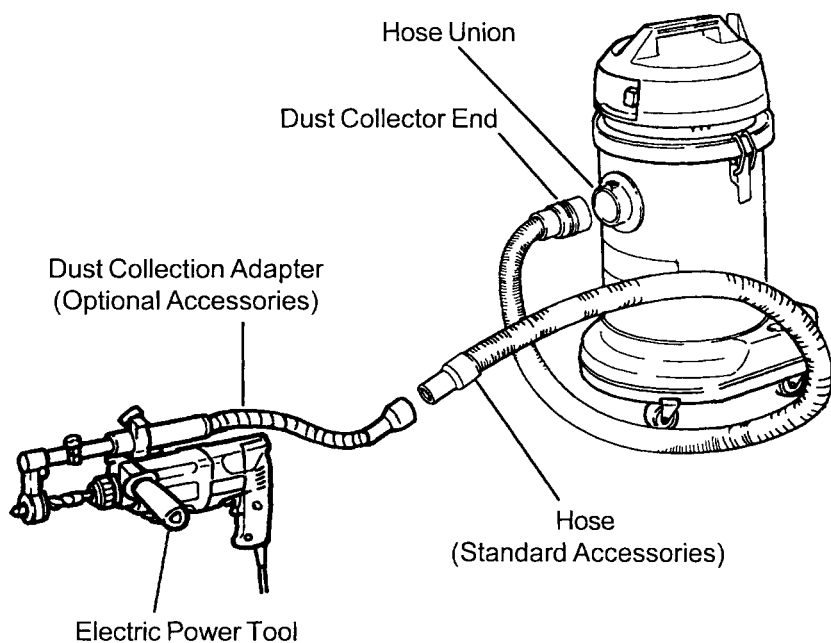


Fig. 4

## 2. Using as a vacuum cleaner.

When using this machine to vacuum dust, connect in the order (1) hose, (2) handle, (3) extension tube, (4) pedal brush.

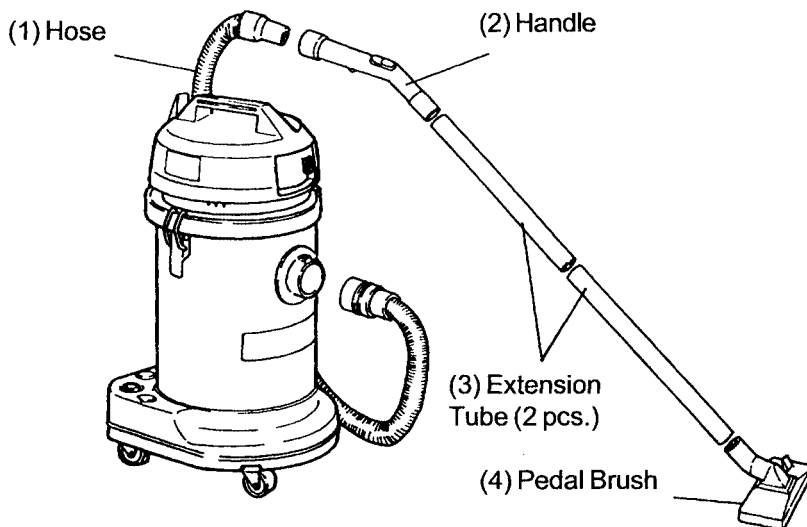


Fig. 5

## 3. Vacuuming liquids.

Replace the dry dust filter with the accessory wet&dry dust filter.

Since the dry dust filter clogs easily, do not use it for water or other liquids or wet dust.



#### 4. Switch

When you press the ON side of the switch, the power comes on and when you press the OFF side, the power goes off.

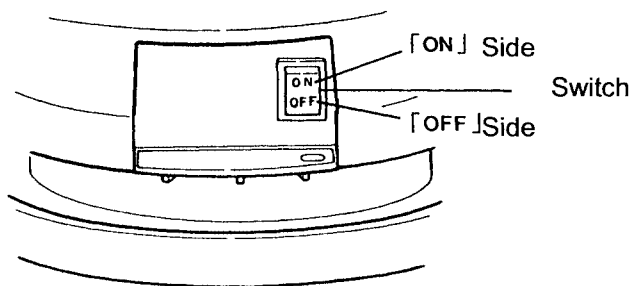


Fig. 6

#### 5. Removing the hose from the dust collector.

Press the button on the hose union and pull the hose off.

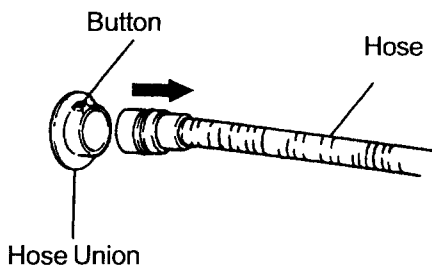


Fig. 7

## 6. Disposing of dust.

**⚠ WARNING:** Always switch off the switch and unplug the cord.

- (1) Remove the two lock levers and lift the cover with handle up. (Fig. 8)
- (2) Lift up the filter in the stainless tank, gently tap the inner side of the filter a few times to knock off any dust sticking to the filter, then remove the filter.
- (3) Throw away the dust in the stainless tank. (Fig. 9).
- (4) Return the parts to their original positions.

When installing the filter in the stainless tank, secure the filter gasket securely to the stainless tank mouth. (See Fig. 3 on Page 14).

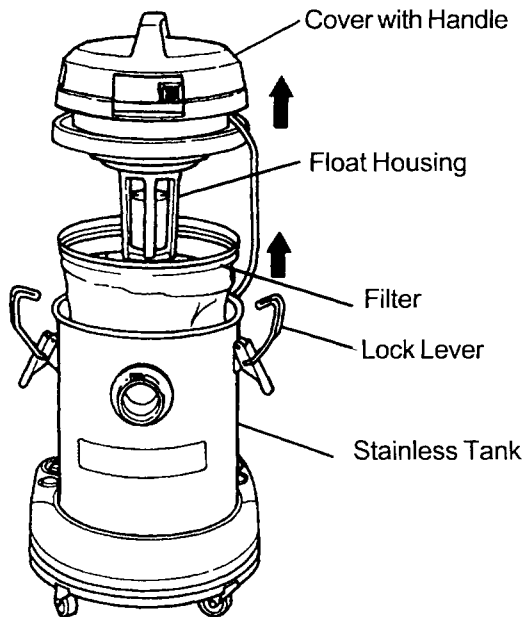


Fig. 8

## **CAUTION:**

- Do not clean out the stainless tank with the extension tube still connected to the extension tube stand.
- Do not apply any strong shock to the stainless tank section. Doing so can cause deformation or breakage.
- Quickly remove dust and liquid from the stainless tank and keep the main unit filter and other parts clear. Failure to do so can cause a drop in the suction force, motor breakdown, bad smells, and rust.

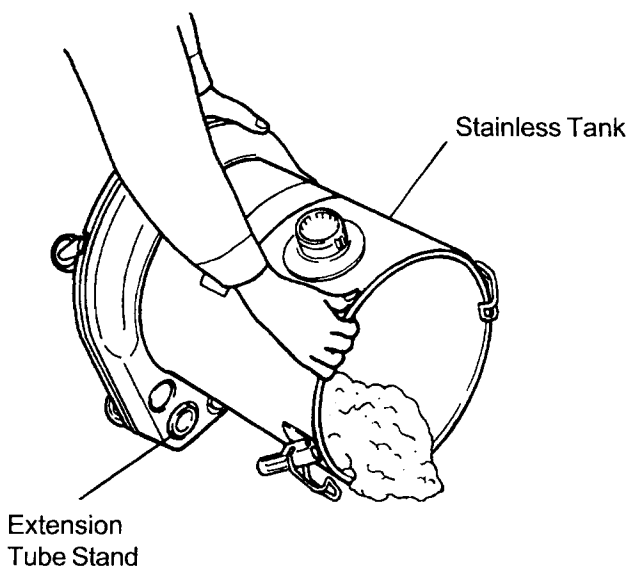


Fig. 9

7. Installing optional accessory filters.....sold separately.

(1) Filter cartridge.

Insert the filter cartridge into the float housing as in Fig. 10.

Insert the filter cartridge all the way in, then turn the lock knob to the right to fasten it in place.

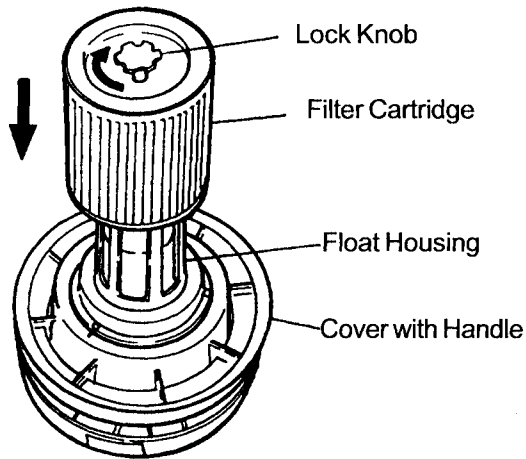


Fig. 10

(2) Paper dust bag

Insert the paper dust bag's suction hole into the stainless tank's suction port (Fig. 11).

**⚠ CAUTION:** Use the paper dust bag together with the separately sold filter cartridge described above. In the unlikely event of the dust bag breaking, the cartridge will keep dust out of the motor. Such dust could cause motor breakdown.

- (1) Before mounting the paper dust bag to the dust collector, fold down two creases of the cardboard as shown in (Fig. 11).
- (2) Insert the suction port of the dust collector into the suction hole of the paper dust bag. At this time, check that the rubber packing of the paper filter is securely caught by the stopper of the suction port (Fig. 12).

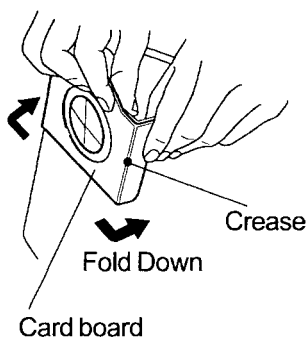


Fig. 11

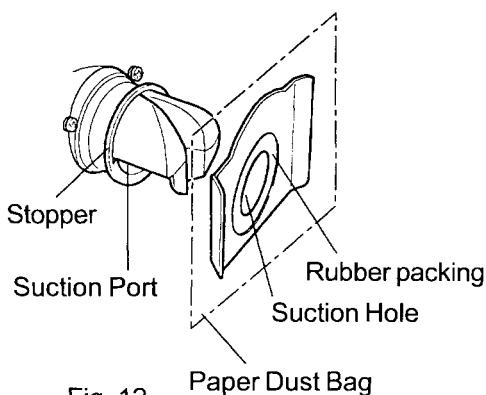


Fig. 12

# FLOAT REGULATOR


This machine has a float regulator to prevent water from entering the motor if more than a certain amount of water is collected. When the float is triggered and water can not be collected, immediately switch off the power and clean out the water from the stainless tank.

## **WARNING:**


- Do not continue operation with the float triggered. Such operation makes the motor temperature rise abnormally high and can cause parts deformation, motor burn out, and other types of breakdown.
- Do not collect detergent or other foaming liquids. Bubbles can blow out of the air outlet before the float is triggered. Running this machine in that state can cause electrical shock and breakdown.

# OVERLOAD PROTECTION FUSE

If trouble occurs in the motor, for example because dust gets into it, the overload protection fuse blows to automatically stop this machine.

 **WARNING:** If the motor will not turn, consult the store at which you purchased this machine or the nearest Hitachi Authorized Service Center.

# MAINTENANCE AND INSPECTION

 **WARNING:** Be sure to switch power OFF and disconnect the plug during maintenance and inspection.

### 1. Filter Cleaning

If the filter is clogged, the suction force is reduced, so lightly tap the inner side of the filter and diligently remove the dust from it.

The wet&dry dust filter can be washed with water, so do so periodically.

## **CAUTION:**

Even if the dry dust filter or filter cartridge is severely clogged, just tap it gently.

Forceful rubbing with a brush or washing with water will reduce the life of the filter.

### 2. Inspecting the mounting screws.

Regularly inspect all mounting screw and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately.

## **WARNING:**

Using this power appliance with loosen screws is extremely dangerous.

### 3. Maintenance of the motor.

The motor unit winding is the very "heart" of the power appliance. Exercise due care to ensure the winding does not become damaged and/or wet oil or water.

### 4. Cleaning off surface dirt.

Wipe off any dirt with a cloth dampened with water or neutral detergent.

Never wipe the surface with benzine, paint thinner, or other such solvents.

### 5. Storing this machine and its accessories.

When they are not in use, store this machine and its accessories in a safe, dry location.

## **SERVICE AND REPAIRS**

All quality power tools will eventually require servicing or replacement of parts because of wear from normal use. To assure that only authorized replacement parts will be used all service and repairs must be performed by a HITACHI AUTHORIZED SERVICE CENTER ONLY.

## **NOTE:**

Specifications are subject to change without any obligation on the part the HITACHI.