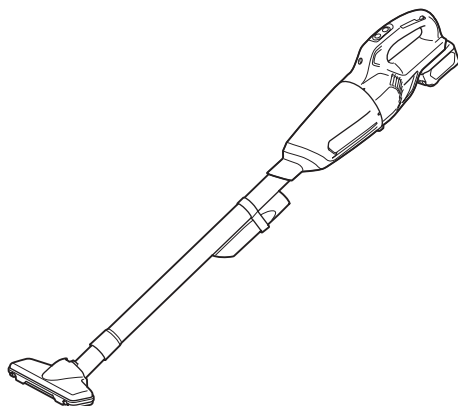


INSTRUCTION MANUAL



Cordless Cleaner CL108FD



Read before use.

WARNING

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- See the chapter "SPECIFICATIONS" for the type reference of the battery.
- See the section "Installing or removing battery cartridge" for how to remove or install the battery.
- When disposing the battery cartridge, remove it from the tool and dispose of it in a safe place. Follow your local regulations relating to disposal of battery.
- If the tool is not used for a long period of time, the battery must be removed from the tool.
- Do not short the battery cartridge.
- See the chapter "MAINTENANCE" for the appropriate details of precautions during user maintenance.

SPECIFICATIONS

Model:		CL108FD
Capacity		600 mL
Continuous use (with battery BL1016)	1 (Normal speed mode)	Approx. 25 min
	2 (High speed mode)	Approx. 12 min
	3 (Max speed mode)	Approx. 10 min
Overall length		956 mm
Rated voltage		D.C. 10.8 V - 12 V max
Net weight		1.0 - 1.2 kg

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- The weight does not include accessories but battery cartridge(s). The lightest and heaviest combination weight of the appliance and battery cartridge(s) are shown in the table.

Applicable battery cartridge and charger

Battery cartridge	BL1016 / BL1021B / BL1041B
Charger	DC10SA / DC10SB / DC10WC / DC10WD / DC18RE

- Some of the battery cartridges and chargers listed above may not be available depending on your region of residence.

⚠ WARNING: Only use the battery cartridges and chargers listed above. Use of any other battery cartridges and chargers may cause injury and/or fire.

Symbols

The followings show the symbols which may be used for the equipment. Be sure that you understand their meaning before use.



Read instruction manual.



Only for EU countries
Due to the presence of hazardous components in the equipment, waste electrical and electronic equipment, accumulators and batteries may have a negative impact on the environment and human health. Do not dispose of electrical and electronic appliances or batteries with household waste! In accordance with the European Directive on waste electrical and electronic equipment and on accumulators and batteries and waste accumulators and batteries, as well as their adaptation to national law, waste electrical equipment, batteries and accumulators should be stored separately and delivered to a separate collection point for municipal waste, operating in accordance with the regulations on environmental protection. This is indicated by the symbol of the crossed-out wheeled bin placed on the equipment.

Intended use

The tool is intended for collecting dry dust.

SAFETY WARNINGS

Cordless cleaner safety warnings

⚠ WARNING: IMPORTANT! READ CAREFULLY all safety warnings and all instructions BEFORE USE. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

1. Do not expose to rain. Store indoors.
2. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
3. Use only as described in this manual. Use only manufacturer's recommended attachments.
4. Do not use with damaged battery. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
5. Do not handle appliance with wet hands.
6. 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.
7. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
8. Turn off all controls before removing the battery.
9. Use extra care when cleaning on stairs.
10. Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
11. Use only the charger supplied by the manufacturer to recharge.
12. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
13. Do not use without dust bag and/or filters in place.
14. Do not charge the battery outdoors.
15. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
16. Use appliances only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
17. When (the) battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another.
18. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water.
19. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.

20. Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.
21. Follow all charging instructions and do not charge the battery pack or appliance outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

SAVE THESE INSTRUCTIONS.

ADDITIONAL SAFETY RULES

This appliance is intended for household use.

1. Read this instruction manual and the charger instruction manual carefully before use.
2. Do not pick up the following materials:
 - Hot materials such as lit cigarettes or spark/metal dust generated by grinding/cutting metal
 - Flammable materials such as gasoline, thinner, benzene, kerosene or paint
 - Explosive materials like nitroglycerin
 - Ignitable materials such as Aluminum, zinc, magnesium, titanium, phosphorus or celluloid
 - Wet dirt, water, oil or the like
 - Hard pieces with sharp edges, such as wood chips, metals, stones, glasses, nails, pins or razors
 - Powder to clot such as cement or toner
 - Conductive dust such as metal or carbon
 - Fine particle like concrete dustSuch action may cause fire, injury and/or property damage.
3. Stop operation immediately if you notice anything abnormal.
4. If you drop or strike the cleaner, check it carefully for cracks or damage before operation.
5. Do not bring close to stoves or other heat sources.
6. Do not block the intake hole or vent holes.

SAVE THESE INSTRUCTIONS.

Important safety instructions for battery cartridge

1. Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
2. Do not disassemble or tamper with the battery cartridge. It may result in a fire, excessive heat, or explosion.
3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.

5. **Do not short the battery cartridge:**
 - (1) **Do not touch the terminals with any conductive material.**
 - (2) **Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.**
 - (3) **Do not expose battery cartridge to water or rain.**

A battery short can cause a large current flow, overheating, possible burns and even a breakdown.

6. **Do not store and use the tool and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).**
7. **Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.**
8. **Do not nail, cut, crush, throw, drop the battery cartridge, or hit against a hard object to the battery cartridge.** Such conduct may result in a fire, excessive heat, or explosion.
9. **Do not use a damaged battery.**
10. **The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements.**

For commercial transports e.g. by third parties, forwarding agents, special requirement on packaging and labeling must be observed.

For preparation of the item being shipped, consulting an expert for hazardous material is required. Please also observe possibly more detailed national regulations.

Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging.

11. **When disposing the battery cartridge, remove it from the tool and dispose of it in a safe place. Follow your local regulations relating to disposal of battery.**
12. **Use the batteries only with the products specified by Makita.** Installing the batteries to non-compliant products may result in a fire, excessive heat, explosion, or leak of electrolyte.
13. **If the tool is not used for a long period of time, the battery must be removed from the tool.**
14. **During and after use, the battery cartridge may take on heat which can cause burns or low temperature burns. Pay attention to the handling of hot battery cartridges.**
15. **Do not touch the terminal of the tool immediately after use as it may get hot enough to cause burns.**
16. **Do not allow chips, dust, or soil stuck into the terminals, holes, and grooves of the battery cartridge.** It may cause heating, catching fire, burst and malfunction of the tool or battery cartridge, resulting in burns or personal injury.
17. **Unless the tool supports the use near high-voltage electrical power lines, do not use the battery cartridge near high-voltage electrical power lines.** It may result in a malfunction or breakdown of the tool or battery cartridge.
18. **Keep the battery away from children.**

⚠CAUTION: Only use genuine Makita batteries. Use of non-genuine Makita batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury and damage. It will also void the Makita warranty for the Makita tool and charger.

Tips for maintaining maximum battery life

1. **Charge the battery cartridge before completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.**
2. **Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.**
3. **Charge the battery cartridge with room temperature at 10 °C - 40 °C (50 °F - 104 °F). Let a hot battery cartridge cool down before charging it.**
4. **When not using the battery cartridge, remove it from the tool or the charger.**

FUNCTIONAL DESCRIPTION

⚠CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.

⚠CAUTION: Take care not to trap finger(s) between cleaner and battery as shown in diagram when loading battery. Trapping finger(s) may cause injury.

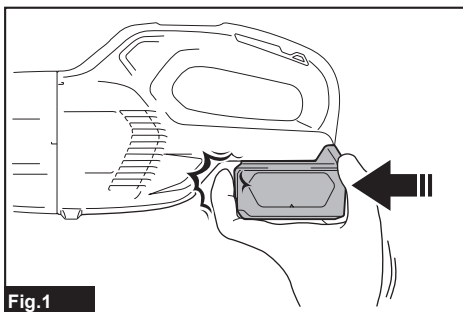


Fig.1

SAVE THESE INSTRUCTIONS.

Installing or removing battery cartridge

⚠ CAUTION: Always switch off the tool before installing or removing of the battery cartridge.

⚠ CAUTION: Hold the tool and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the tool and the battery cartridge firmly may cause them to slip off your hands and result in damage to the tool and battery cartridge and a personal injury.

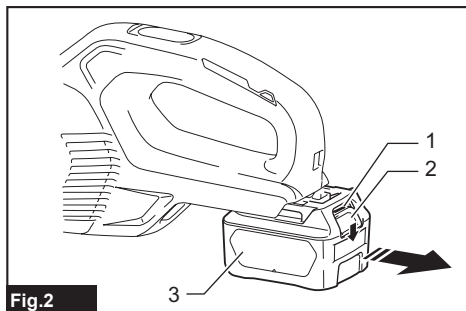


Fig.2

► 1. Red indicator 2. Button 3. Battery cartridge

To remove the battery cartridge, slide it from the tool while sliding the button on the front of the cartridge.

To install the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Insert it all the way until it locks in place with a little click. If you can see the red indicator as shown in the figure, it is not locked completely.

⚠ CAUTION: Always install the battery cartridge fully until the red indicator cannot be seen. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

⚠ CAUTION: Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

Battery protection system

The tool is equipped with a battery protection system. This system automatically cuts off power to the motor to extend battery life.

The tool will automatically stop during operation if the tool and/or battery are placed under one of the following conditions:

Overloaded:

The tool is operated in a manner that causes it to draw an abnormally high current.

In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

Low battery voltage:

The remaining battery capacity is too low and the tool will not operate. If you turn the tool on, the motor runs again but stops soon. In this situation, remove and recharge the battery.

Indicating the remaining battery capacity

Only for battery cartridges with the indicator

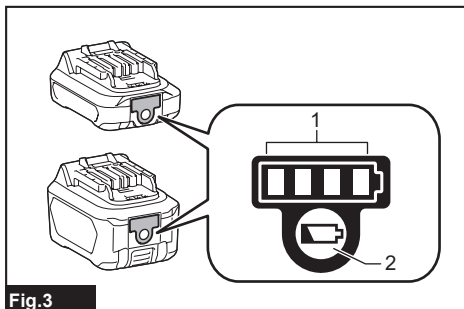


Fig.3

► 1. Indicator lamps 2. Check button

Press the check button on the battery cartridge to indicate the remaining battery capacity. The indicator lamps light up for a few seconds.

Indicator lamps		Remaining capacity
Lighted	Off	
■ ■ ■ ■		75% to 100%
■ ■ ■ □		50% to 75%
■ ■ □ □		25% to 50%
■ □ □ □		0% to 25%

NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

Switch action

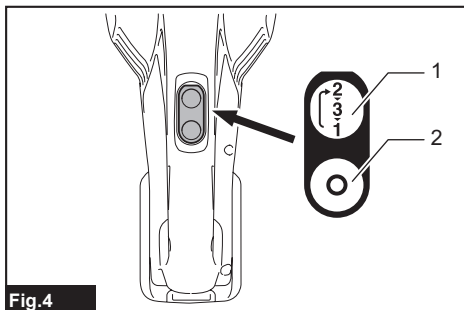


Fig.4

► 1. ON/speed change button 2. OFF button

To start the cleaner, simply push the ON/speed change button. To switch off, push the OFF button.

You can change the cleaner speed in three steps by pushing the ON/speed change button.

The first push on this button is for high speed mode, the second push for max speed mode and the third push for normal speed mode. Each push on this button repeats the high/max/normal speed cycle alternatively.

Lighting up the lamp

CAUTION: Do not look in the light or see the source of light directly.

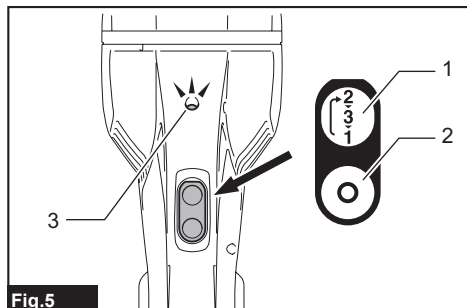


Fig.5

► 1. ON/speed change button 2. OFF button 3. Lamp

To turn on the lamp, push the ON/speed change button. Push the OFF button to turn off the lamp. During the tool actuating, the lamp turns on. When the remaining battery capacity gets low, the lamp starts blinking.

NOTE: The timing, at which the lamp starts blinking, depends on the temperature at work place and the battery cartridge conditions.

ASSEMBLY

CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

Type of filter

Normal filter

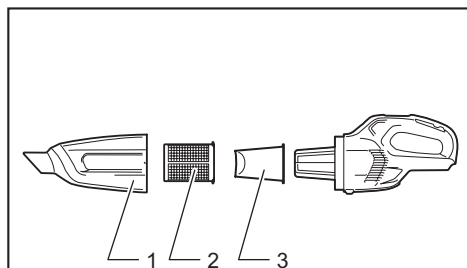


Fig.6

► 1. Capsule 2. Prefilter 3. Filter

High performance filter

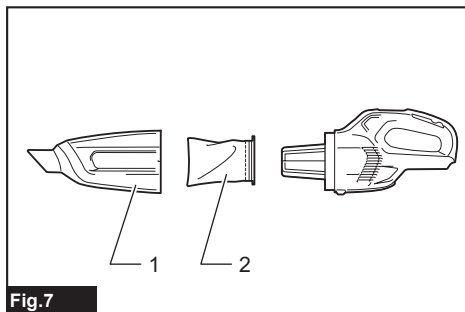


Fig.7

► 1. Capsule 2. High performance filter

Prefilter or high performance filter and HEPA filter

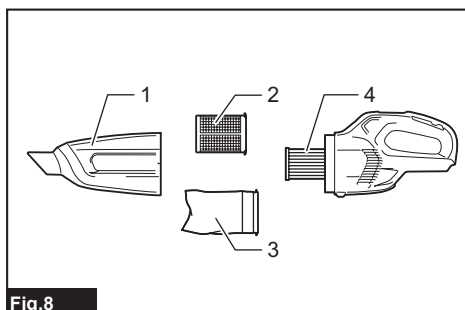


Fig.8

► 1. Capsule 2. Prefilter 3. High performance filter 4. HEPA filter

NOTICE: Do not use the high performance filter with the filter (optional accessory). The high performance filter may become unremovable from the cleaner.

NOTE: When using the optional prefilter and filter with the HEPA filter, use only the prefilter over the HEPA filter. If you use prefilter and filter with the HEPA filter at the same time, the suction power may be reduced.

NOTE: When using the HEPA filter with the high performance filter, use the high performance filter with the stay.

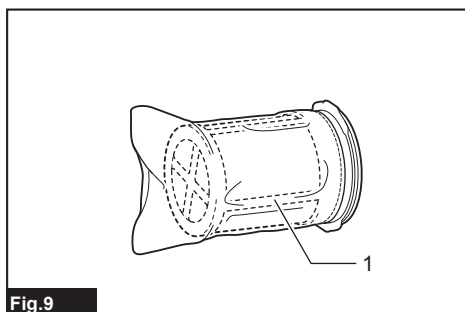


Fig.9

► 1. Stay

Disposing of dust

⚠ CAUTION: Empty the cleaner before it becomes too full, or the suction force weakens.

⚠ CAUTION: Be sure to empty the inside of the cleaner itself of dust. Failure to do so may cause the filter to be clogged or the motor to be damaged.

Disposing of dust for normal filter

In order to drop dust sticking on the filter in the capsule, tap the capsule 4 or 5 times with your hand.

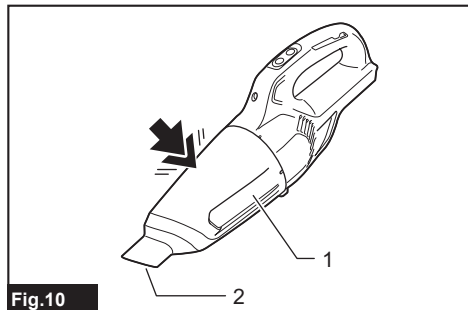


Fig.10

► 1. Capsule 2. Suction inlet

Point the suction inlet downwards, turn the capsule in direction of the arrow as illustrated, and disconnect the capsule slowly and straight.

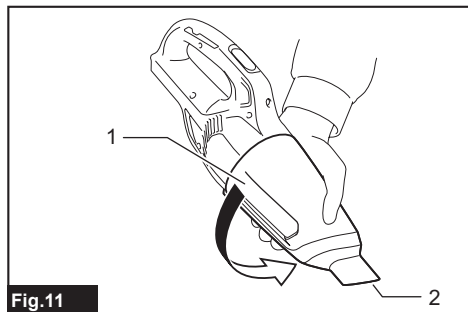


Fig.11

► 1. Capsule 2. Suction inlet

NOTE: Be sure to set a garbage bag beneath the capsule, as dust may spill out when the capsule is opened.

Remove accumulated dust from inside of the capsule and off of the prefilter.

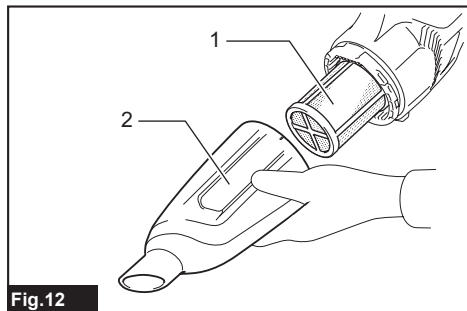


Fig.12

► 1. Prefilter 2. Capsule

Twist the prefilter in direction of the arrow to unfasten the securing lip from the cleaner unit and then pull off the prefilter.

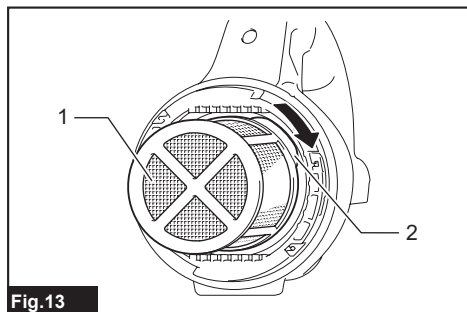


Fig.13

► 1. Prefilter 2. Securing lip

Clean out fine dust from the prefilter. And then, pull off the filter and lightly tap it to remove dust.

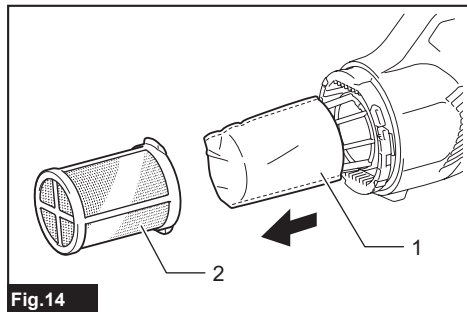


Fig.14

► 1. Filter 2. Prefilter

Disposing of dust for high performance filter

In order to drop dust sticking on the filter in the capsule, tap the capsule 4 or 5 times with your hand.

Now point suction inlet downwards, turn capsule in direction of arrow in diagram, and disconnect capsule slowly and straight.

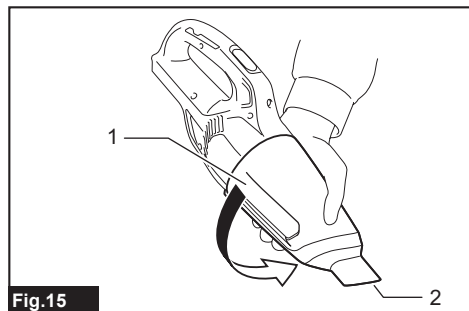


Fig.15

► 1. Capsule 2. Suction inlet

NOTE: Dust may spill out when capsule is opened, so be sure to set a garbage bag beneath capsule.

Remove accumulated dust from inside of capsule and off of high performance filter.

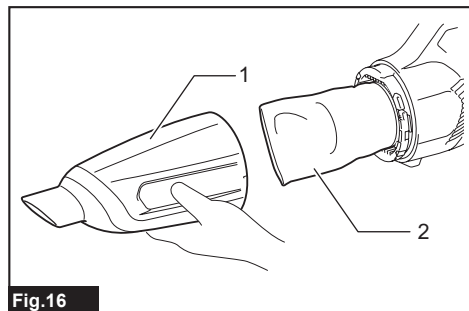


Fig.16

► 1. Capsule 2. High performance filter

Twist high performance filter in direction of arrow to unfasten securing lip from cleaner unit and then pull off the filter.

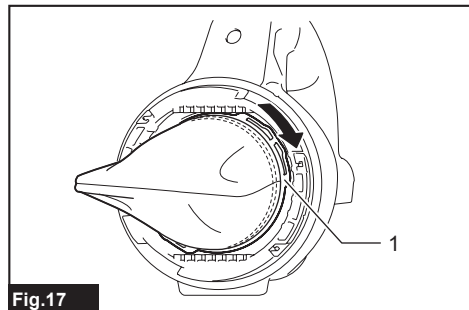


Fig.17

► 1. Securing lip

Clean out the fine dust and lightly tap to dislodge dust from high performance filter.

Reassembly

Reassembly for normal filter

Put on the filter fully in position on the cleaner unit.

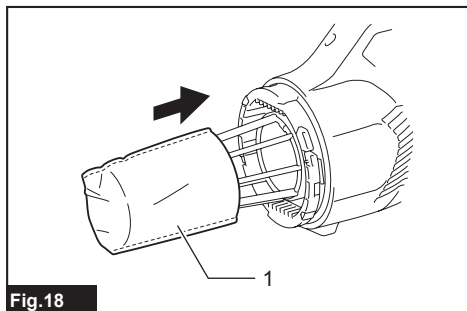


Fig.18

► 1. Filter

NOTICE: Make sure the filter is put on straight without being peeled back. If the filter is put on incorrectly as illustrated, dust will get into the motor housing, and cause a motor failure.

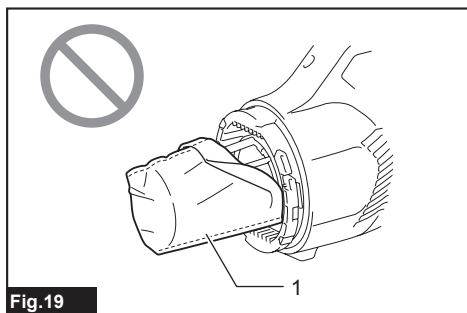


Fig.19

► 1. Filter

Install the prefilter. At this time, make sure to twist the prefilter so that the securing lip is firmly locked in the cleaner unit.

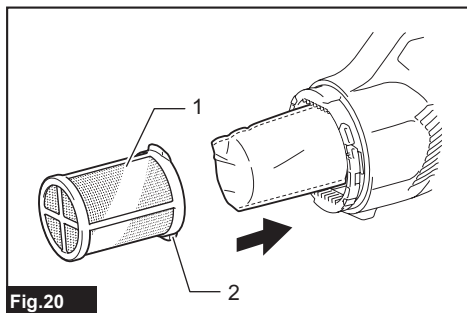


Fig.20

► 1. Prefilter 2. Securing lip

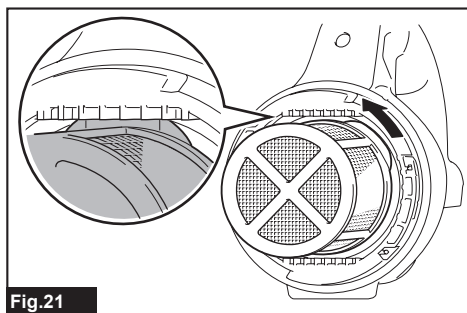


Fig.21

Install the capsule. Align the mark on the capsule with the mark near the handle and then firmly twist the capsule in direction of the arrow until it is secured.

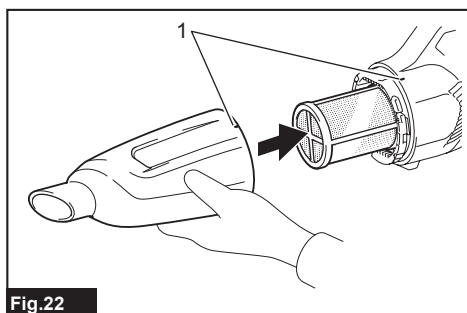


Fig.22

► 1. Mark

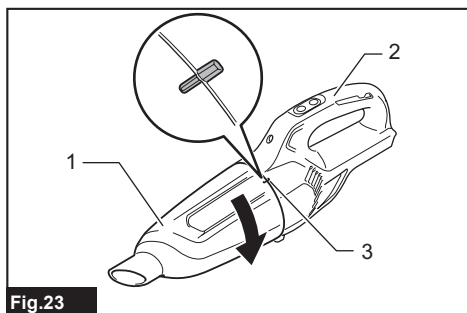


Fig.23

► 1. Capsule 2. Handle 3. Mark

NOTE: Always remove dust ahead of time, as the suction power will be reduced if there is too much dust in the cleaner.

NOTICE: Always be sure to check that both the filter and prefilter are loaded correctly prior to using the cleaner. If they are not loaded correctly, dust will get into the motor housing, and cause a motor failure. If the following examples occur, the filter and prefilter are not loaded correctly. Reload them correctly to rectify problem.

Problem Examples

Example 1: Only the prefilter has been loaded (no filter)

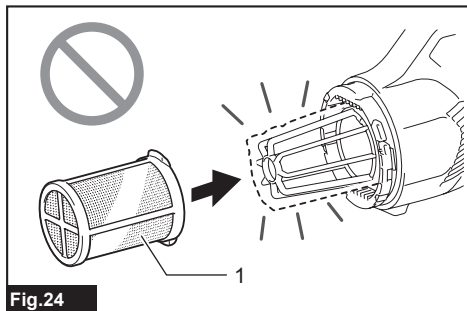


Fig.24

► 1. Prefilter

Example 2: Only the filter has been loaded (no prefilter)

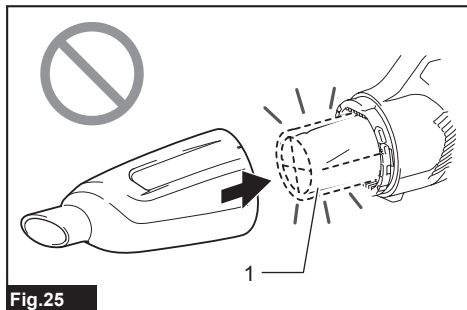


Fig.25

► 1. Filter

Example 3: The filter has been loaded in a peeled back state

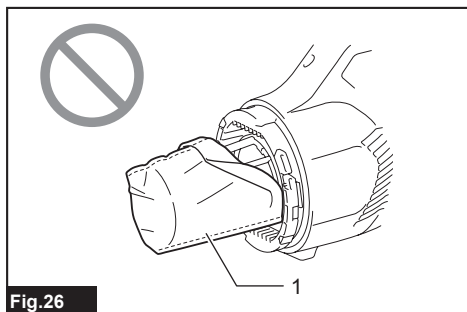


Fig.26

► 1. Filter

Example 4: The securing lip on the prefilter is not firmly locked in the groove of cleaner housing

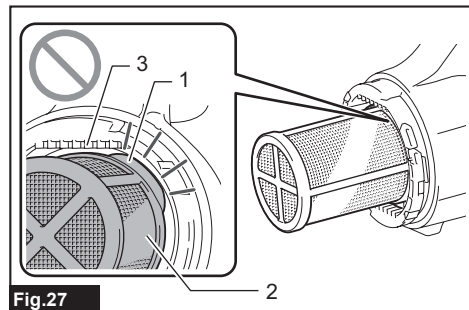


Fig.27

- 1. Securing lip 2. Prefilter 3. Groove of cleaner housing

Reassembly for high performance filter

Connect high performance filter. At this time, make sure to twist high performance filter so that securing lip is firmly locked into cleaner unit.

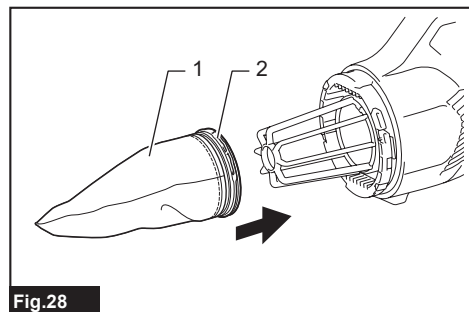


Fig.28

- 1. High performance filter 2. Securing lip

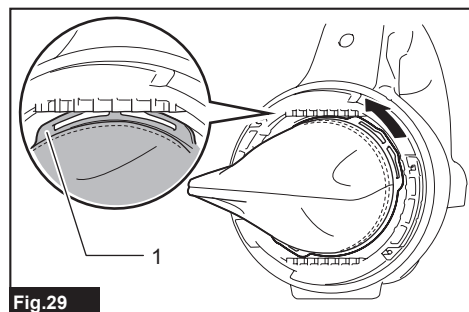


Fig.29

- 1. Securing lip

Install the capsule. Align the mark on the capsule with the mark near the handle and then firmly twist the capsule in direction of the arrow until it is secured.

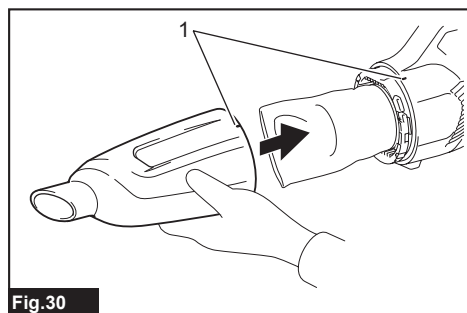


Fig.30

- 1. Mark

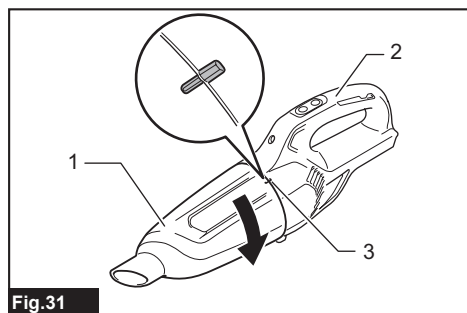


Fig.31

- 1. Capsule 2. Handle 3. Mark

NOTE: Always remove dust ahead of time, as suction power will be reduced if there is too much dust in cleaner.

NOTE: Always be sure to check that high performance filter is loaded correctly prior to using cleaner. If they are not loaded correctly, dust will get into the motor housing, and cause motor failure. If the following examples occur, high performance filter is not loaded correctly. Reload them correctly to rectify problem.

Problem Examples

Securing lip of high performance filter is not firmly locked into groove of cleaner housing.

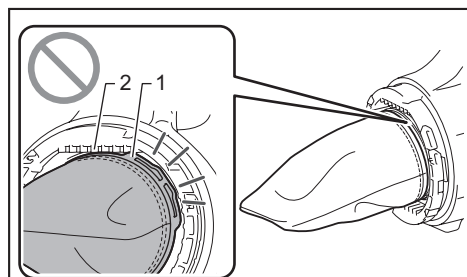


Fig.32

- 1. Securing lip 2. Groove of cleaner housing

Installing or removing stay / HEPA filter

Optional accessory

For the stay and sponge filter

To remove the stay, push up the bottom part of pillars of the stay with your fingers and release its groove from the protrusion on the cleaner. After that, remove the sponge filter.

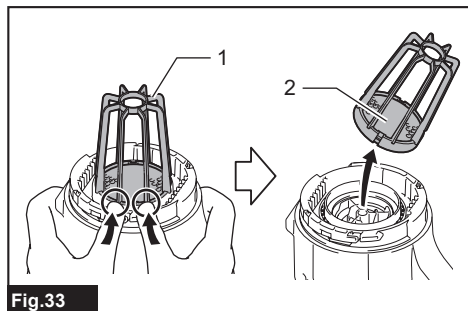


Fig.33

► 1. Stay 2. Sponge filter

To install, align the grooves on the stay with the protrusion on the cleaner and push until it clicks. Insert the sponge filter between the pillars and set it in the original position.

For the HEPA filter

When installing the HEPA filter, fit the groove of the HEPA filter with the protrusion on the cleaner. Then, put the prefilter or the high performance filter on the HEPA filter and twist it to secure. To remove, follow the installation procedure in reverse.

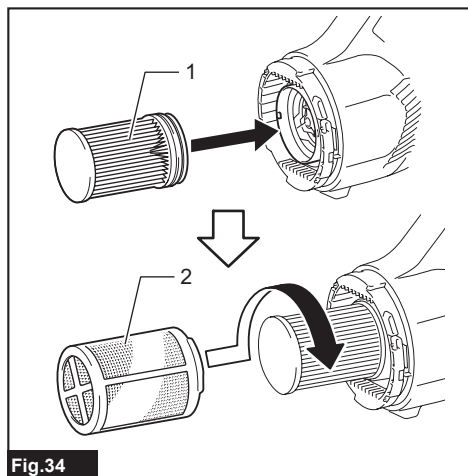


Fig.34

► 1. HEPA filter 2. Prefilter

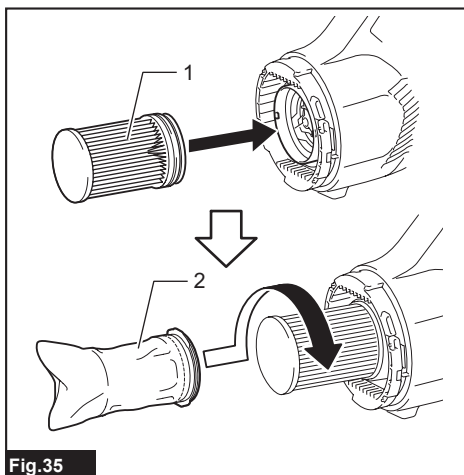


Fig.35

► 1. HEPA filter 2. High performance filter

OPERATION

CAUTION: To connect attachments, such as nozzle, twist and insert the attachment in direction of the arrow to secure the connection during use. To disconnect the attachments, twist and extract it also in direction of the arrow. If an attachment is twisted in the opposite direction when being connected or disconnected, the capsule may become loose.

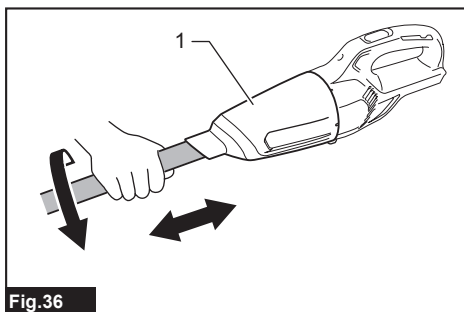


Fig.36

► 1. Capsule

Cleaning (Suction)

Nozzle

Attach the nozzle to clean off tables, desks, furniture, etc. The nozzle slips on easily.

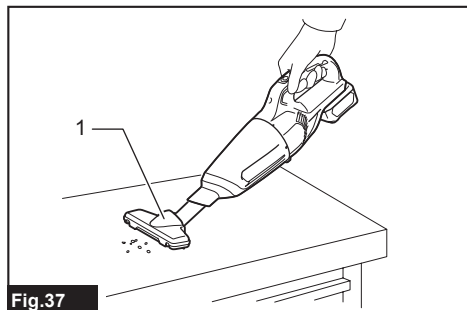


Fig.37

► 1. Nozzle

Nozzle + Extension wand (Straight pipe)

The extension wand fits in between the nozzle and the cleaner itself. This arrangement is convenient for cleaning a floor in a standing position.

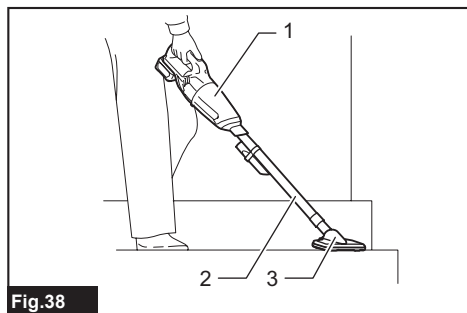


Fig.38

► 1. Cleaner body 2. Extension wand 3. Nozzle

Corner nozzle

Fit on the corner nozzle for cleaning corners and crevices of a car or furniture.

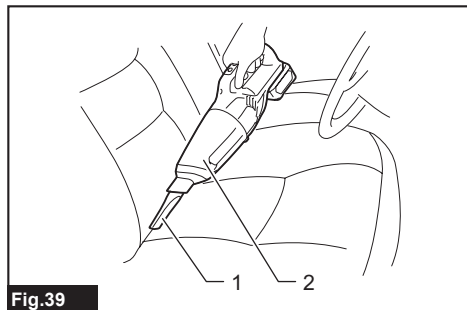


Fig.39

► 1. Corner nozzle 2. Cleaner body

Corner nozzle +Extension wand (Straight pipe)

In tight quarters where the cleaner itself cannot squeeze in, or in high places hard to reach, use this arrangement.

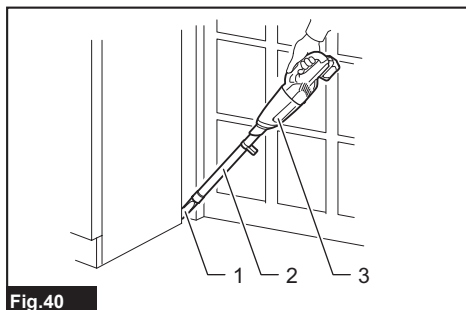


Fig.40

► 1. Corner nozzle 2. Extension wand 3. Cleaner body

Cleaning without nozzle

You can pick up powder and dust without nozzle.

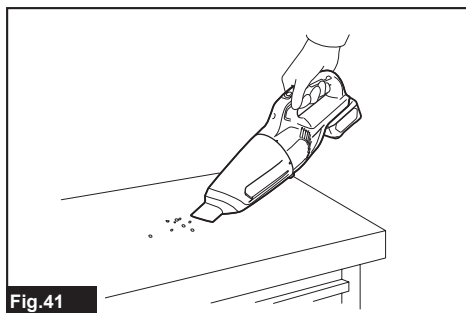


Fig.41

MAINTENANCE

⚠CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

After use

⚠CAUTION: Putting the cleaner against the wall without any other support may cause the cleaner to fall down, resulting in personal injury or damage to the cleaner.

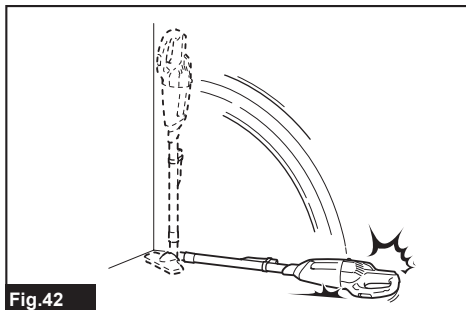


Fig.42

Cleaning

NOTICE: Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

NOTICE: Do not blow dust sticking on the cleaner and filters by air duster. It brings dust into the housing and causes failure.

NOTICE: After washing filters, dry them thoroughly before use. Insufficiently dried filters may cause poor suction and shorten the service life of the motor.

NOTICE: After cleaning filters and sponge filter, be sure to re-install them before use. If you use the cleaner without filters and sponge filter, dust comes into the motor housing and cause malfunction.

Cleaner body

From time to time wipe off the outside (cleaner body) of the cleaner using a cloth dampened in soapy water. Clean out also the suction opening and filter mounting area.

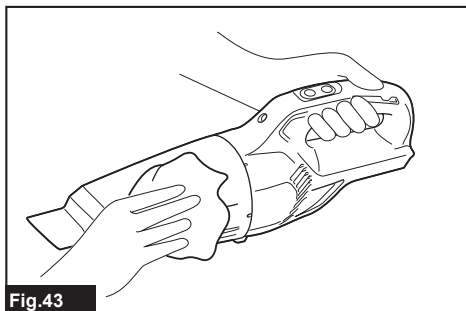


Fig.43

Filter

Wash the filter in soapy water when it is clogged with dust and the cleaner power becomes weak. Dry it out thoroughly before use.

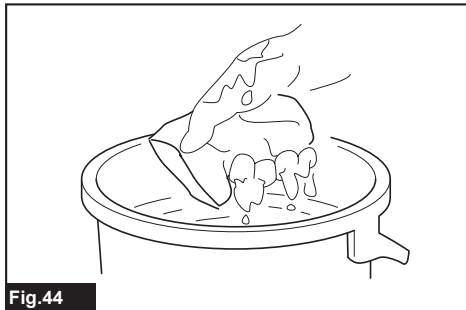


Fig.44

HEPA filter

Optional accessory

NOTICE: Do not rub or scratch the HEPA filter with hard objects such as a brush and a paddle.

Clogged HEPA filter cause poor suction performance. Clean out the filter from time to time.

Occasionally wash the HEPA filter in water, rinse and dry thoroughly in the shade before use. Never wash the filter in a washing machine.

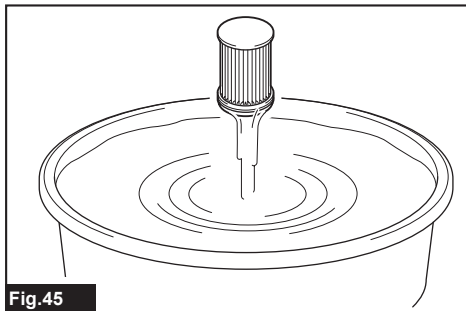


Fig.45

Sponge filter

When the sponge filter becomes dirty, clean it as follows.

1. Remove the filter.
2. Pull out the sponge filter from between the pillars.
3. Clean the sponge filter by tapping or washing. If you wash it, dry it out thoroughly before use.
4. Insert the sponge filter from between the pillars and set it in the original position. Make sure that each bottom edge of the pillar holds down the sponge filter, and there is no gap between the sponge filter and suction opening.

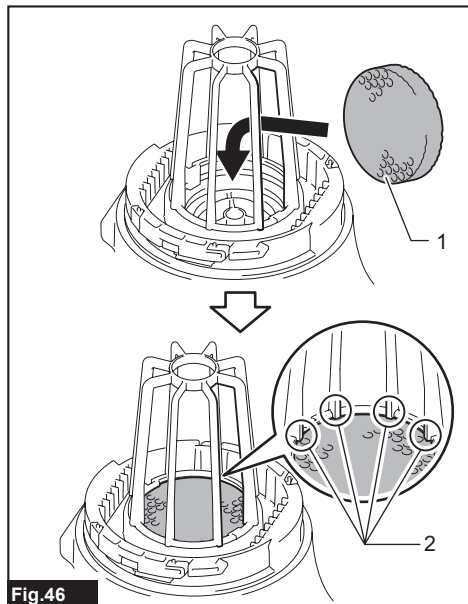


Fig.46

► 1. Sponge filter 2. Bottom edge of pillar

Troubleshooting

Before asking for repairs, check the following points.

Symptom	Area to be investigated	Fixing method
Weak suction power	Is the capsule full of dust?	Empty the capsule of dust.
	Is the filter clogged?	Clean or wash the filter.
	Is the battery cartridge discharged?	Charge the battery cartridge.
Not working	Is the battery cartridge discharged?	Charge the battery cartridge.

CAUTION: Do not attempt to repair the cleaner by yourself.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

OPTIONAL ACCESSORIES

⚠ CAUTION: These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Extension wand (Straight pipe)
- Nozzle
- Nozzle for carpet
- Shelf brush
- Corner nozzle
- Seat nozzle
- Free nozzle
- Crevice nozzle
- Round brush
- Flexible hose
- Filter
- Prefilter
- High performance filter
- HEPA filter
- Cyclone attachment
- Makita genuine battery and charger

NOTE: Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

Cyclone attachment

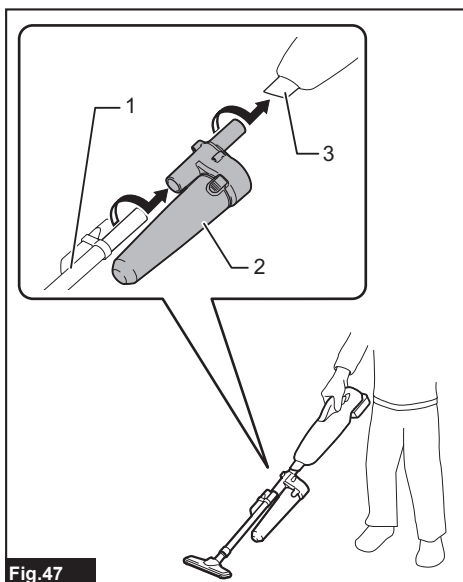


Fig.47

► 1. Straight pipe 2. Cyclone attachment 3. Suction inlet

About the cyclone attachment

Using the cleaner with the cyclone attachment installed reduces the amount of dust that enters the capsule, which helps to prevent the suction force from weakening. In addition, cleaning after use is also simple.

⚠ CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool. If the battery cartridge is left inserted, the cleaner may start unexpectedly and result in injury.

⚠ CAUTION: Clean the mesh filter of the cyclone attachment and the filters of the cleaner unit when they become clogged. Continued use in the clogged condition may result in heating or smoke.

NOTICE: When the cyclone attachment is attached, do not use the cleaner in the horizontal or upward facing condition. Doing so may cause the mesh filter to become clogged.

NOTICE: Always use the cleaner with the filters installed, even when using the cyclone attachment. Using the cleaner without the filters installed may result in a motor malfunction.

NOTE: Check that the cyclone attachment, cleaner, and straight pipe are locked properly before use.

NOTE: Empty the dust case of the cyclone attachment and the capsule of the cleaner when dust has accumulated. Continued use will result in weakened suction force.

Disposing of dust

When dust has accumulated up to the full line of the dust case, follow the procedure below and dispose of the dust.

1. Hold the dust case firmly, press and hold the two buttons, and remove the dust case.

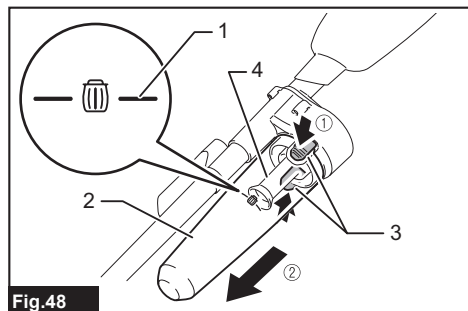


Fig.48

- 1. Full line 2. Dust case 3. Button (two locations)
4. Mesh filter

2. Dispose of the dust inside the dust case and remove any dust and powder adhered to the surface of the mesh filter.

3. Insert the dust case all the way until the two buttons lock with a click.

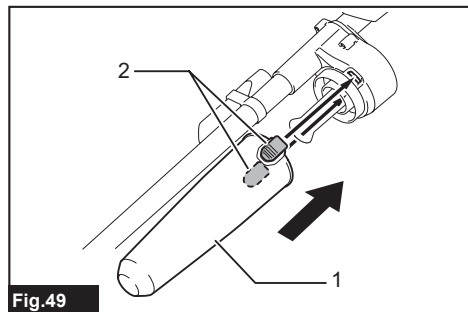


Fig.49

- 1. Dust case 2. Button (two locations)

NOTE: Check that the cyclone attachment, cleaner, and straight pipe are all firmly connected before restarting operation.

NOTE: If the suction force does not recover even after disposing of the dust and cleaning the mesh filter, check whether dust has accumulated in the capsule of the cleaner or clogging has occurred.

Cleaning

When the dust case becomes dirty or the mesh filter is clogged, remove and wash them with water. (Refer to "Disposing of dust" for the removal procedure.)

Dry the parts thoroughly before reinstallation and use.

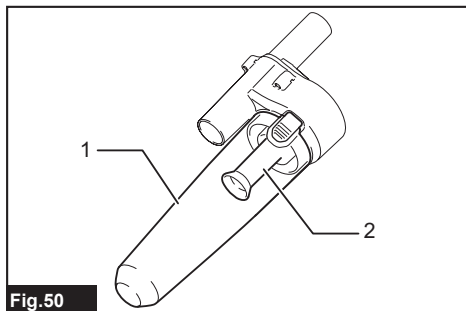


Fig.50

- 1. Dust case 2. Mesh filter

When the mesh filter gets dirty badly, clean it in the following procedures.

1. Turn the mesh filter counterclockwise and remove it while the hooks are unlocked.

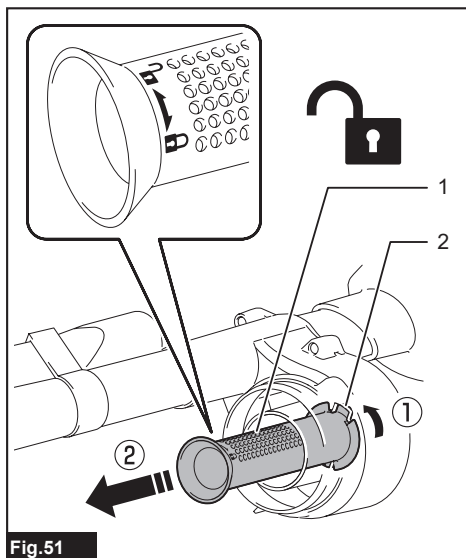


Fig.51

- 1. Mesh filter 2. Hook

2. Remove the dust on the mesh filter and then wash it with water. After that, dry it thoroughly.

3. Insert the mesh filter into the base while the hooks are aligned with the port. Turn the mesh filter clockwise until the hooks are locked with a click. Make sure that the mesh filter is installed securely.

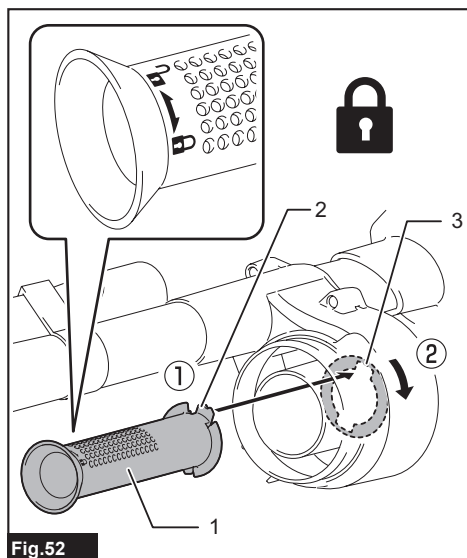


Fig.52

► 1. Mesh filter 2. Hook 3. Port

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