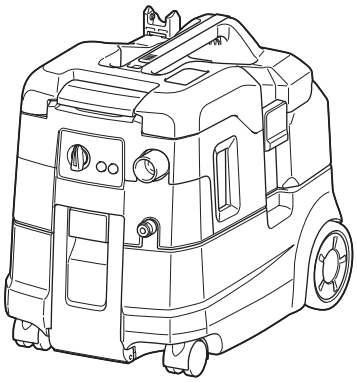
ENGLISH: Original instructions

INSTRUCTION MANUAL

Cordless Spot Extractor

PE001G



Read before use.

WARNING

- For users in Europe: 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.
- For users in areas other than Europe: 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 your safety.
- Children must be supervised to ensure that they do not play with the appliance.
- CAUTION: Before carrying out any maintenance operation, disconnect the appliance from the power supply. Perform maintenance on the appliance periodically.
- Rechargeable batteries must be removed from the device before charging.
- To remove or install the battery, slide the cartridge out of the tool while pressing the button on the front of the cartridge.
- Exhausted batteries must be removed from the device and disposed of safely. Follow local regulations regarding battery disposal.
- If the device is to be stored unused for a long period, the batteries should be removed.
- The power terminals must not be short-circuited.

Applicable battery cartridge and charger

Battery cartridge	BL4020 / BL4025 / BL4040 / BL4040F / BL4050F / BL4080F / BL4080H
Charger	DC40RA / DC40RB / DC40RC / DC40WA / BCC01 / BCC02

- 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.

INTRODUCTION

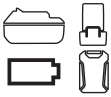
Specifications

Model:		**PE001G**
Rated working pressure		0.16 MPa
Working pressure (max.)		0.28 MPa
Rated water flow rate		0.5 L/min
Air volume (max.)		1.0 m^3/min
Vacuum (max.)		26 kPa
Feed temperature (max.)		50 °C
Water tank capacity (max.)	Solution tank	5.0 L
	Recovery tank	5.0 L
Rated voltage		D.C. 36 V - 40 V max
Dimensions (L x W x H)		471 mm x 312 mm x 398 mm
Net weight		8.9 - 10.1 kg
Protection degree		IPX4

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

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.
	Take particular care and attention.
	Never stand on the appliance.
	Do not let the battery cartridge contact with chemical liquid such as cleaning agent or solvent.
	A representative battery applicable to this appliance.
 Ni-MH Li-ion	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

This appliance is intended for spot wet cleaning on surfaces such as carpets and upholstered furniture. This appliance is suitable for commercial use, for example in hotels, schools, hospitals, factories, shops, offices and rental businesses.

Declarations of Conformity

For European countries only

The EU/UK Declaration of Conformity can be accessed from the following URL.



https://support.makita.biz/doc/doc_index.html

Safety warnings

Cordless spot extractor safety warnings

WARNING: **Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

1. **Operators shall be adequately instructed on the use of the spot extractor.**
2. **This appliance is for indoor use only.**
3. **This appliance shall be stored indoors only.**
4. **Wear protective equipment such as a mask, glasses, rubber gloves, boots, long-sleeved shirt and long pants to avoid exposing your skin during work.** Touching cleaning agents directly may cause personal injury. If the cleaning agent gets into your eyes or adheres to your skin, rinse with clean water and seek medical attention if necessary.
5. Never splash water or cleaning agent towards equipment containing electrical components, such as the interior of ovens.

Additional safety warnings

1. **Do not operate or store the appliance at temperature of 0 °C (32 °F) or below.**
2. **Do not operate the appliance in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** The appliance creates sparks which may ignite the dust or fumes.
3. **Do not use the appliance in a location where hazardous materials or open flame are present.** Doing so may cause a fire or explosion.
4. Do not step onto the appliance.
5. **Do not use the appliance to collect toxic substances such as asbestos.**
6. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the appliance in unexpected situations.
7. **Do not touch the battery area with wet hands.** Touching the battery area with wet hands may cause electric shock.
8. **Do not let the battery cartridge contact with chemical liquid such as cleaning agent or solvent.** Doing so may damage the battery and result in fire or electric shock.
9. **Never splash water or cleaning agent on the appliance.** Failure to follow the instruction may cause breakdown and electric shock.
10. **Never use the appliance to clean electrical devices.** Breakdown and electric shock may occur.
11. **Do not expose the appliance to rain or wet conditions.** Water entering the appliance will increase the risk of electric shock.
12. **Pay careful attention to your surroundings during operation.**
13. **Do not use the appliance in unstable places such as locations where the floor has a steep slope or is very slippery.** There is a danger that

operation could be unstable or the appliance could tip over.

14. **Make sure the battery cover is securely closed when you operate the appliance.**
15. **Do not leave the appliance while the switch is on.**
16. **Before using the appliance, make sure there are no damaged parts and that each part is operating correctly.**
17. **Wear appropriate work attire.**
18. **Only use the appliance to clean fabric surfaces. Do not use the appliance for any other purpose. Do not use the appliance for humans and animals.**
19. **Be sure to close the battery cover.** If cleaning agent adheres to the battery cartridge, it may be damaged and you may get an electric shock.
20. **Do not let the battery cartridge contact with the cleaning agent.** Doing so may damage the battery and result in fire or electric shock.
21. **Do not let familiarity gained from frequent use of appliances allow you to become complacent and ignore appliance safety principles.** A careless action can cause severe injury within a fraction of a second.
22. **When the appliance does not work properly, switch off the appliance.** Have your appliance serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the appliance is maintained.
23. **Do not vacuum following items.**
    - Flammable substances such as oils and solvents
    - Explosive materials
    - Sharp objects
    - Solidifying substances or conductive fine particles (such as metal dust or carbon)
    - Moisture absorbers (drying packs)
    - Large amounts of powder (e.g., flour)
    - Any chemicals other than cleaning agents for extractor
    - Excrement or vomit
24. **Do not block the exhaust vent.** Doing so may result in a fire, excessive heat.
25. **Do not carry the appliance with the tanks filled with a lot of water.** Be aware of the weight of the device during transportation.
26. **Do not work in an improper position.** It may cause personal injury.
27. **Before handling the cleaning agent, read the instructions for the cleaning agent. Operators shall be adequately instructed on how to use the cleaning agent.**
28. **Be sure to put the top cap and the lid of the tanks securely to prevent water from leaking.**
29. **Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.**
30. **Use a commercially available extractor agent with a pH between 5 and 10 after dilution.**
31. **Do not use the appliance to clean clothes or shoes while they are being worn. Do not hold the object to be cleaned with bare hands.**
32. **Be careful not to trip over hoses or other obstacles during the operation.**
33. **Use the appropriate hose and nozzle.** The use of any other accessories or attachments might present a risk of injury.
34. Do not fix the nozzle trigger in the pulled position.
35. **See the chapter "*MAINTENANCE*" for the appropriate details of precautions during user maintenance.**
36. **After using cleaning agent, wipe the appliance and wash out the accessory.** Cleaning agent may deteriorate the appliance.
37. **Make sure the appliance and its accessories are dry before storing them.** If the appliance is not dry enough, mold growth and unpleasant odors may occur.
38. **Before operating, make sure that all the accessories and attachments are properly attached to the appliance.**
39. **Cleaning solution and recovered water in the tanks must be disposed properly in accordance with the instructions of your local authorities.**
40. **Keep the cleaning agent away from children.**
41. **After use, empty water from the tanks and dry them well.**
42. **If any foam or liquid leaks from the appliance, switch it off immediately.**

Battery tool use and care

1. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the appliance.** Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
2. **Disconnect the battery pack from the appliance before making any adjustments, changing accessories, or storing appliance.** Such preventive safety measures reduce the risk of starting the appliance accidentally.
3. **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.
4. **Use appliances only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
5. **When 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.** Shorting the battery terminals together may cause burns or a fire.
6. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
7. **Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.**

8. **Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.**
9. **Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions.** Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
10. **Have servicing performed by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the product is maintained.
11. **Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.**

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.**

SAVE THESE INSTRUCTIONS.

⚠***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.

NOTICE: Makita is not responsible for any accidents resulting from the use of non-genuine Makita batteries or batteries that have been modified. Genuine Makita batteries have been rigorously evaluated for compatibility with Makita tools and chargers, in line with applicable legislation and safety standards.

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.**
5. **Charge the battery cartridge if you do not use it for a long period (more than six months).**

Noise

The typical A-weighted noise level determined according to EN60335-2-68:
Sound pressure level (L_{pA}) : 70 dB(A) or less
Uncertainty (K) : 3 dB (A)

The noise level under working may exceed 80 dB (A).

NOTE: The declared noise emission value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE: The declared noise emission value(s) can also be used in a preliminary assessment of exposure.

⚠***WARNING:*** **Wear ear protection.**

⚠***WARNING:*** **The noise emission during actual use of the power tool can differ from the declared total value(s) depending on the ways in which the tool is used.**

⚠***WARNING:*** **Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).**

Vibration

The continuous vibration total value (tri-axial vector sum) determined according to EN60335-2-68:
Vibration emission (a_h) : 2.5 m/s^2 or less
Uncertainty (K) : 1.5 m/s^2

NOTE: The declared vibration total value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.

NOTE: The declared vibration total value(s) can also be used in a preliminary assessment of exposure.

⚠***WARNING:*** **The vibration emission during actual use of the power tool can differ from the declared total value(s) depending on the ways in which the tool is used.**

⚠***WARNING:*** **Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).**

Names of parts

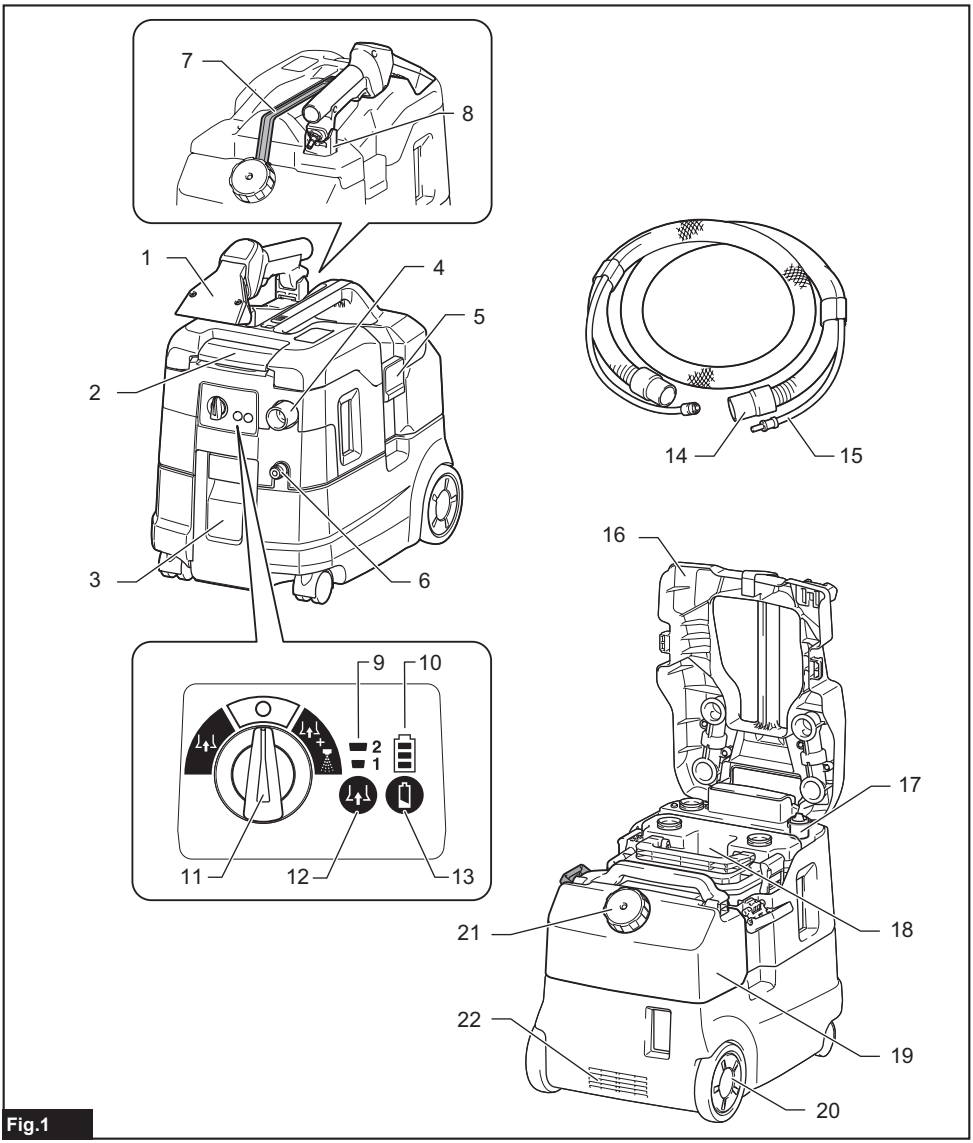


Fig.1

1	Nozzle	2	Operation switch	3	Battery cover	4	Air inlet
5	Latch	6	Water outlet	7	Hose band	8	Nozzle holder
9	Mode indicator	10	Battery indicator	11	Switch lever	12	Mode changing button
13	Remaining battery capacity button	14	Suction hose	15	Spray tube	16	Top cover
17	Filter	18	Recovery tank	19	Solution tank	20	Caster
21	Top cap	22	Exhaust vent				

PREPARATIONS FOR USE

Battery status

Indicating the remaining battery capacity

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

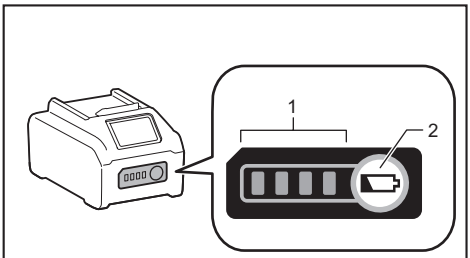


Fig.2

► **1.** Indicator lamps **2.** Check button

Indicator lamps			Remaining capacity
Lighted	Off	Blinking	
			75% to 100%
			50% to 75%
			25% to 50%
			0% to 25%
			Charge the battery.
	↑ ↓		The battery may have malfunctioned.

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

NOTE: The first (far left) indicator lamp will blink when the battery protection system works.

Remaining battery capacity indication

The remaining battery capacity is displayed when you start the operation, or when you press the remaining battery capacity button. The battery indicator lamps light up for few seconds.

Indicator lamps			Remaining battery capacity
On	Off	Blinking	
			50% to 100%
			20% to 50%
			0% to 20%
			Charge the battery

Things to know before use

Work environment

NOTICE: **The appliance is for wet use only. Do not vacuum dry debris, dust, or other dry materials.**

If there are dry debris or dust in the cleaning area, remove them before operation.

Cleaning agent

⚠***WARNING:*** **When using cleaning agent**

- **Follow the instructions for the cleaning agent.**
- **Use a low-foaming cleaning agent or a defoaming agent to minimize foaming.**
- **Dilute the agent in a separate container before adding it to the solution tank.**
- **Use a cleaning agent whose temperature is below 50 °C (122 °F).**

⚠***WARNING:*** **Do not let the battery cartridge contact with cleaning agent. Doing so may damage the battery and result in fire or electric shock.**

NOTICE: **When using cleaning agent, make sure in advance that the agent does not damage the fabrics.** Discoloration, deterioration, or deformation may occur.

Use a commercially available extractor agent with a pH between 5 and 10 after dilution.

Transport

⚠*WARNING:* Before lifting and transporting the appliance

- **Be sure to switch off the appliance.**
- **Make sure the latches on both sides of the appliance are securely locked.**

***NOTICE:* Do not carry the appliance with the tanks filled with a lot of water.** The water may leak from the tanks.

Hold the handle to carry the appliance.

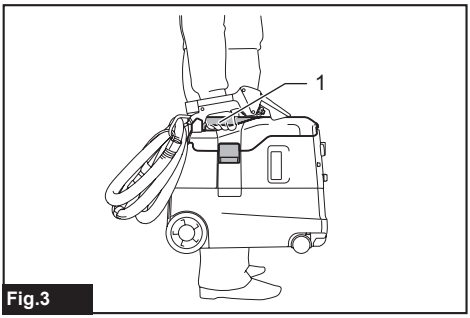


Fig.3

► **1.** Handle

Automatic suction shut-off

⚠*WARNING:* Do not vacuum foam or soapy water. Failure to follow this instruction may result in electric shock or equipment malfunction. If necessary, use a low-foaming cleaning agent or a defoaming agent to minimize foaming.

As water accumulates in the recovery tank, the float gradually rises. When the tank becomes full and the float blocks the air outlet, the appliance will automatically shut off. In this case, switch off the appliance immediately and empty the water from the tank.

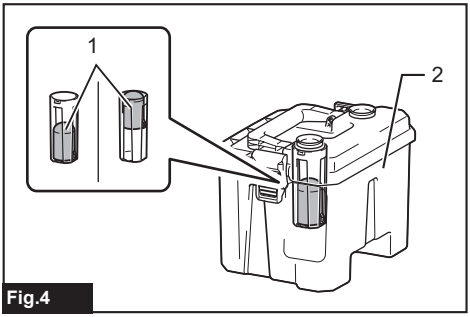


Fig.4

► **1.** Float **2.** Recovery tank

Protection function

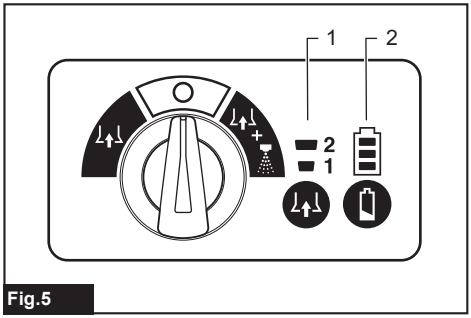


Fig.5

► **1.** Mode indicator **2.** Battery indicator

Indicator lamps			Status
On	Off	Blinking	
Mode indicator 2 1			10-minute continuous pumping operation
Mode indicator 2 1			Overload
			Overheat
Battery indicator			Overdis-charged

Overload protection

When normal operation is not possible, such as when a foreign object is caught in the fan motor, when excessive rotation occurs due to a malfunctioning float, or when the recovery tank is full, the appliance automatically stops. The mode indicator lamps blink. In this situation, turn the appliance off and remove the battery cartridge to eliminate the cause of the overload. Then turn the appliance on to restart.

Overheat protection

When the appliance is overheated, the appliance automatically stops and the mode indicator lamps blink. In this case, switch off and remove the battery cartridge, then let the appliance and the battery cartridge cool. Blockages and excessive suction can also cause overheating. In this case, remove any debris or water.

Overdischarge protection

When the battery capacity is not enough or when the battery temperature is high, the appliance automatically stops and the battery indicator lamp blinks. In this case, remove the battery cartridge from the appliance. Recharge with a battery charger equipped with a cooling fan or replace with a fully charged battery cartridge.

Protections against other causes

Protection system is also designed for other causes that could damage the appliance and allows the appliance to stop automatically. Take all the following steps to clear the causes, when the appliance has been brought to a temporary halt or stop in operation.

1. Turn the appliance off, and then turn it on again to restart.
2. Charge the battery(ies) or replace it/them with recharged battery(ies).
3. Let the appliance and battery(ies) cool down.

If no improvement can be found by restoring protection system, then contact your local Makita Service Center.

USAGE

Installing and removing battery cartridge

⚠***WARNING:*** **Always switch off the appliance before installing or removing of the battery cartridge.** If install the battery cartridge with the appliance is on, it may cause an accident.

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

⚠***WARNING:*** **Do not touch the battery with your hands after handling the cleaning agent, as it may be hazardous.**

⚠***WARNING:*** **Hold the appliance and the battery cartridge firmly when installing or removing battery cartridge.** Failure to do so may cause them to slip off your hands and result in damage to the appliance and battery cartridge and a personal injury.

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

⚠***WARNING:*** **After installing or removing the battery, be sure to close the battery cover.**

⚠***CAUTION:*** **Be careful not to get your fingers caught when opening and closing the battery cover.**

Installing

1. Pull the battery cover hook and open the battery cover.

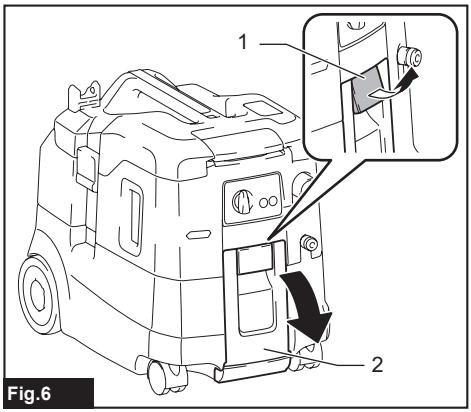


Fig.6

► **1.** Battery cover hook **2.** Battery cover

2. 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.

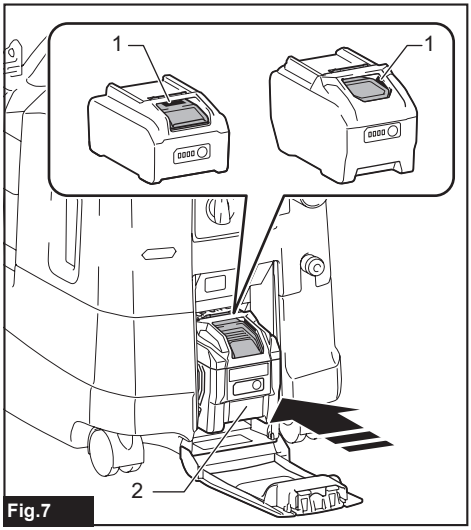


Fig.7

► **1.** Red indicator **2.** Battery cartridge

3. Close the battery cover firmly.

Removing

1. Pull the battery cover hook and open the battery cover.

2. Press the button on the front of the battery cartridge and pull the battery forward.

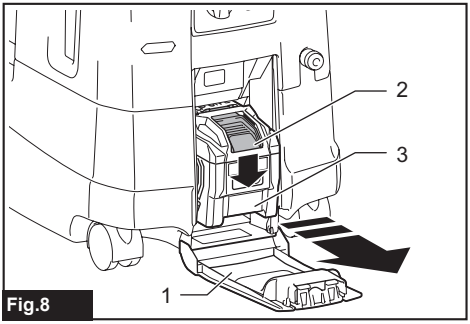


Fig.8

► **1.** Battery cover **2.** Button **3.** Battery cartridge

3. Close the battery cover firmly.

Installing and removing accessories

⚠*WARNING:* When installing and removing the accessory, always switch off the appliance and remove the battery cartridge.

Installing and removing the hose

⚠*CAUTION:* Do not bend or step on the hose forcefully.

⚠*CAUTION:* Do not move the appliance by pulling the hose.

The hose assembly consists of the suction hose and the spray tube. Attach and detach them separately.

Installing the hose

1. Insert the suction hose (black end) firmly into the air inlet of the appliance. Make sure the suction hose is inserted securely and does not come off.

2. Insert the spray tube straight into the water outlet of the appliance until it locks in place with a little click. Make sure the spray tube is inserted securely and does not come off.
If you insert the spray tube at an angle, it may not be installed properly. In this case, press the ring-1 towards the appliance. Then, insert the spray tube straight into the water outlet again.

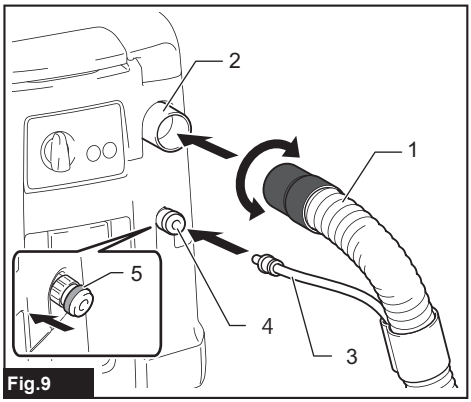


Fig.9

► **1.** Suction hose **2.** Air inlet **3.** Spray tube **4.** Water outlet **5.** Ring-1

3. Rotate the ring-2 on the water outlet in the direction of the arrow. The orange line will be visible when the water outlet is in a locked position.

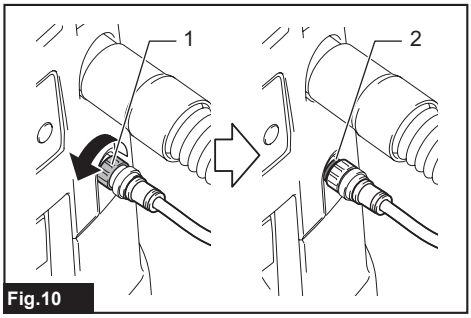


Fig.10

► **1.** Ring-2 on the water outlet **2.** Orange line

NOTE: Some moisture may remain inside the pump as an operation test is performed prior to shipment.

Removing the hose

⚠*CAUTION:* Before removing the spray tube, turn the switch lever to "OFF"(O). Then, pull the trigger of the nozzle to release the pressure in the tube.

1. Remove the suction hose by following the installation steps in reverse.

2. To remove the spray tube, rotate the ring-2 in the direction of the arrow and unlock it.
Then, keep pressing the ring-1 towards the appliance and remove the spray tube from the water outlet.

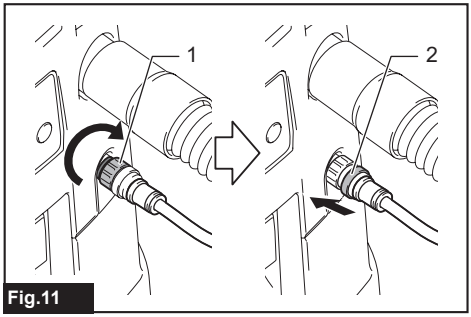


Fig.11

► **1.** Ring-2 on the water outlet **2.** Ring-1

Installing and removing the nozzle

Installing the nozzle

1. Insert the nozzle firmly into the suction hose (gray end). Make sure the suction hose does not come off by pulling it.

2. Insert the spray tube straight into the one-touch joint on the nozzle until it locks in place with a little click. Make sure the spray tube is inserted securely and does not come off.
If you insert the spray tube at an angle, it may not be installed properly. In this case, press the ring-1 in the direction of the arrow. Then insert the spray tube straight into the one-touch joint on the nozzle again.

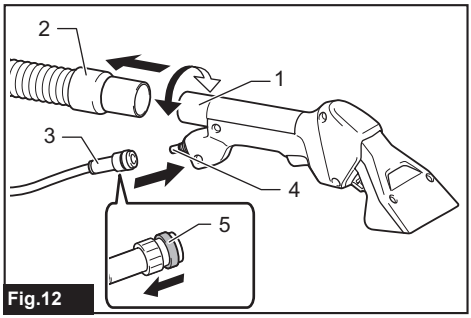


Fig.12

► **1.** Nozzle **2.** Suction hose **3.** Spray tube **4.** One-touch joint **5.** Ring-1

3. Rotate the ring-2 on the spray tube in the direction of the arrow. The orange line will be visible when the spray tube is in a locked position.

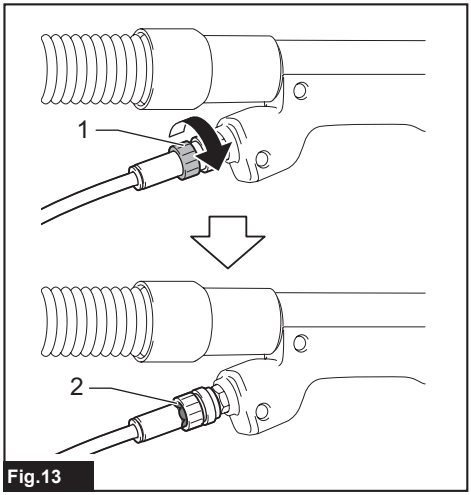


Fig.13

► **1.** Ring-2 on the spray tube **2.** Orange line

NOTE: Some moisture may remain inside the pump as an operation test is performed prior to shipment.

Removing the nozzle

⚠***CAUTION:*** **Before removing the spray tube, turn the switch lever to "OFF"(O). Then, pull the trigger of the nozzle to release the pressure in the tube.**

1. Remove the suction hose by following the installation steps in reverse.

2. To remove the spray tube, rotate the ring-2 in the direction of the arrow and unlock it.
Then, keep pressing the ring-1 in the direction of the arrow and remove the spray tube from the nozzle.

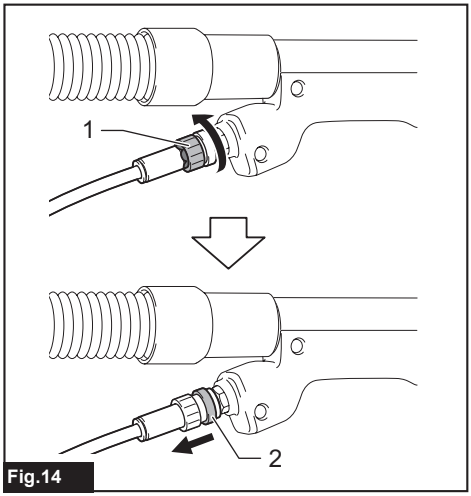


Fig.14

► **1.** Ring-2 **2.** Ring-1

Operating the appliance

Install the accessory before use.

Filling the solution tank

⚠*CAUTION:* See the "Cleaning agent" section for the use of cleaning agent.

⚠*CAUTION:* Switch off the appliance before you fill the solution tank.

⚠*CAUTION:* Be careful not to get your fingers caught when you open and close the top cover. There is a danger of injury.

⚠*CAUTION:* Be careful not to get your fingers caught when you install and remove the tanks.

⚠*CAUTION:* When you fill the solution tank, be sure to put the bottom cap of the tank on securely.

⚠*CAUTION:* After you fill the solution tank, be sure to put the top cap on securely.

⚠*CAUTION:* Use a cleaning agent whose temperature is below 50 °C (122 °F).

Without removing the solution tank from the appliance.

1. Remove the top cap on the solution tank.

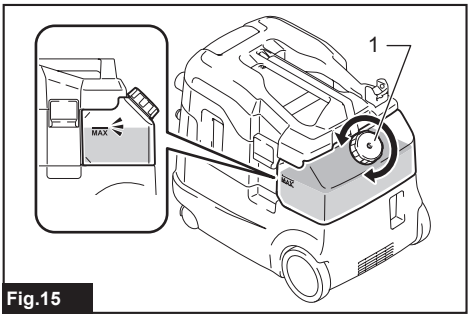


Fig.15

► **1.** Top cap

2. Fill the cleaning solution into the solution tank. Be sure not to fill over the MAX line.

3. Close the top cap on the solution tank.

Removing the tank from the appliance

1. Unlock the latches on both sides of the appliance and open the top cover.

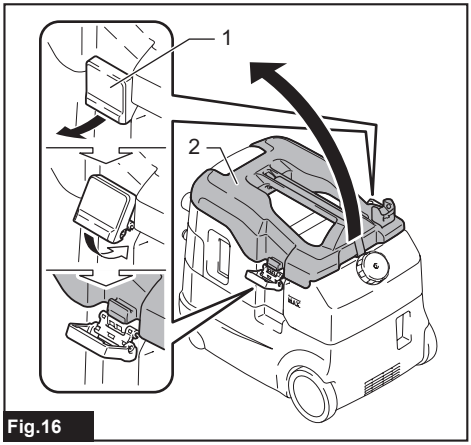


Fig.16

► **1.** Latch **2.** Top cover

2. Take out the solution tank.

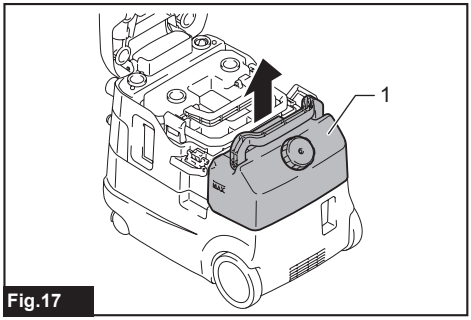


Fig.17

► **1.** Solution tank

3. Remove the top cap on the solution tank. At this time, make sure that the tank stands stable and does not tip over.

4. Fill the cleaning solution into the solution tank. Be sure not to fill over the MAX line.

5. Close the top cap on the solution tank.

6. Place the solution tank into the appliance.

7. Close the top cover and lock the latches on both sides of the appliance.

Switch action

⚠*WARNING:* Before installing the battery cartridge into the appliance, always check that the switch lever is in "OFF" (O) position.

Indicator	Operation mode
	Suction only
+	Suction and spraying operation

1. To switch on the appliance, turn the switch lever to or . To switch off the appliance, turn the switch lever to the "OFF" (O) position.

2. Press the operation switch to start suction. To stop suction, press the operation switch again.

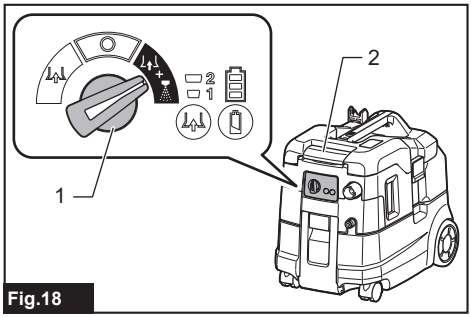


Fig.18

► **1.** Switch lever **2.** Operation switch

When the switch lever is in , you can spray the cleaning solution by pulling the trigger on the nozzle.

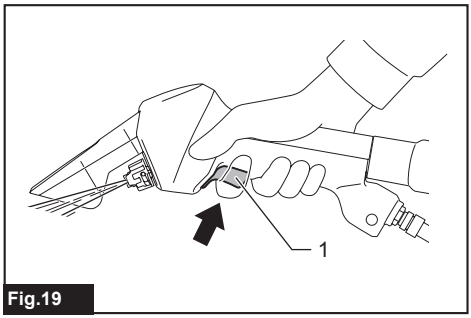


Fig.19

► **1.** Trigger

NOTE: Even when the power is turned off, cleaning solution comes out if it remains in the spray tube. If you pull the trigger, cleaning solution will be discharged.

Changing the suction mode

The appliance is equipped with two suction modes. You can change the suction levels by pressing the mode changing button.

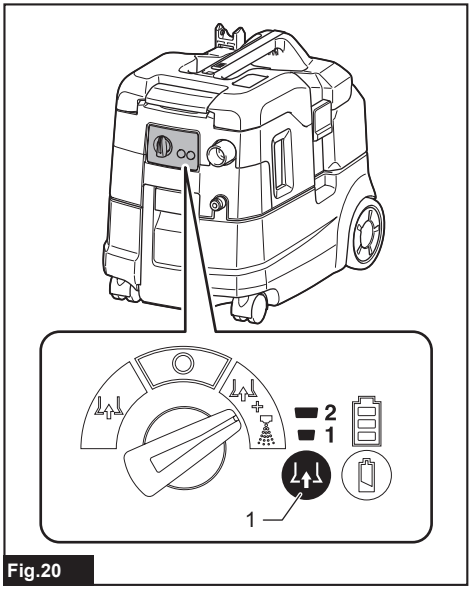


Fig.20

► **1.** Mode changing button

Cleaning operation

⚠***CAUTION:*** **Before operating the appliance**

- **Remove dry debris or dust in the cleaning area.**
- **Fill the cleaning solution into the solution tank.**
- **Check the strainer, filter and sponge for any blockages.**
- **Make sure in advance that the cleaning agent does not damage the fabrics.** Discoloration, deterioration, or deformation may occur.

⚠***CAUTION:*** **Do not keep the spraying operation for over 5 minutes with the solution tank empty.**

⚠***CAUTION:*** **Make sure the air is properly circulated during operation.**

NOTE: If the area is heavily soiled, spray the cleaning solution on it beforehand. This step helps loosen the dirt and makes it easier to remove.

This appliance cleans fabric surfaces by extracting dirt together with the cleaning solution.

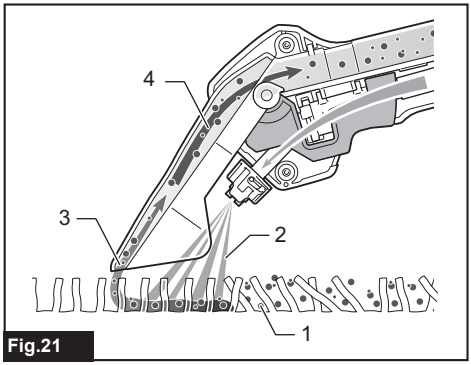


Fig.21

► **1.** Dirt **2.** Cleaning solution **3.** Dirt with cleaning solution **4.** Recovered water

1. Place the front edge of the nozzle cover firmly onto the cleaning area.

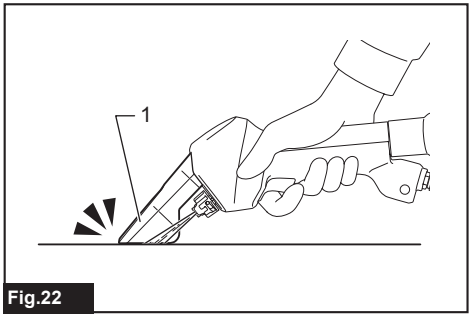


Fig.22

► **1.** Nozzle cover

2. Press the operation switch on the appliance.

3. Keep pressing the trigger on the nozzle and pull the nozzle in the direction of the arrow.

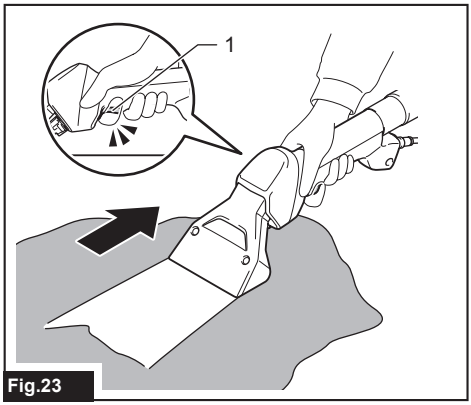


Fig.23

► **1.** Trigger

4. When the cleaning area is wet, do not pull the trigger on the nozzle. Use only the suction.

For suction-only operation, the appliance can be used even when the power switch is set to .

Emptying the recovery tank

⚠*WARNING:* When you empty the recovery tank, always switch off the appliance and remove the battery cartridge.

⚠*WARNING:* Be careful not to get your fingers caught when you open and close the top cover. There is a danger of injury.

⚠*WARNING:* Be careful not to get your fingers caught when you install and remove the recovery tank.

⚠*CAUTION:* Recovered water must be disposed properly in accordance with the instructions of your local authorities.

1. Unlock the latches on both sides of the appliance and open the top cover.

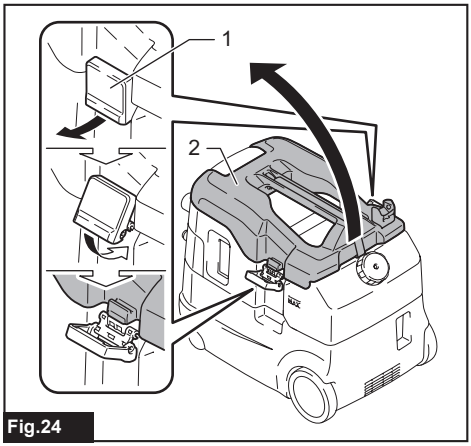


Fig.24

► **1.** Latch **2.** Top cover

2. Take out the recovery tank.

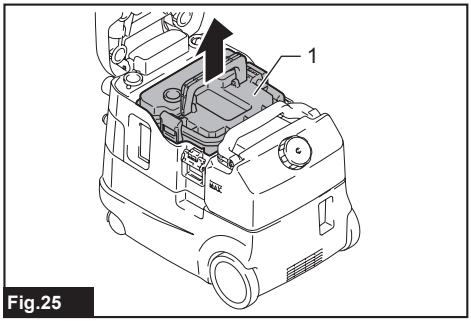


Fig.25

► **1.** Recovery tank

3. Unlock the latches on both sides of the recovery tank.

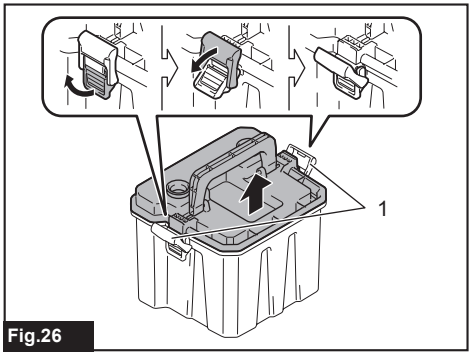


Fig.26

► **1.** Latches

4. Take off the lid of the recovery tank and empty the water.

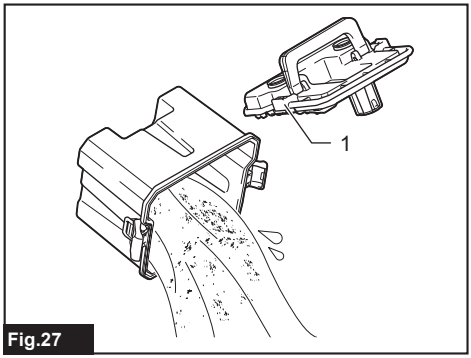


Fig.27

► **1.** Lid

NOTE: When you empty the recovery tank, be sure to remove the lid. Failure to do so causes water to leak through the gap between the tank and the lid.

After use

⚠***WARNING:*** **If the appliance is not in use, switch off the appliance and remove the battery cartridge.**

⚠***WARNING:*** **Be careful not to get your fingers caught when opening and closing the top cover, or when installing and removing the tanks.**

Cleaning the appliance body

NOTICE: **Do not wash the appliance body with water.** Doing so may cause a breakdown.

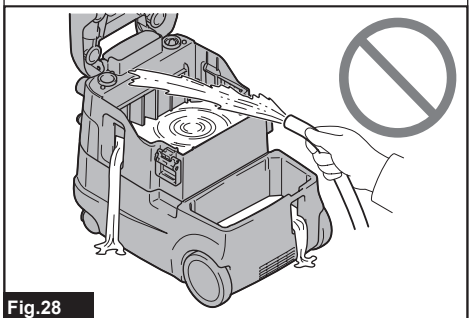


Fig.28

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

To remove dirt from the appliance body, wipe it using a cloth that has been moistened with a small amount of diluted neutral detergent.

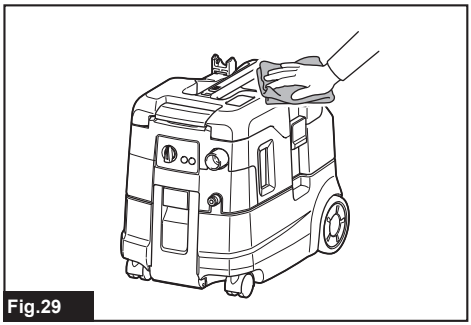


Fig.29

Cleaning the nozzle and the hose

⚠***CAUTION:*** **Do not vacuum too much water at once. Water may seep into the appliance, or overload may cause a malfunction.**

1. Turn the switch lever to or .

2. Press the operation switch on the appliance to start water suction.

3. Water washes the inside of the nozzle and the suction hose.

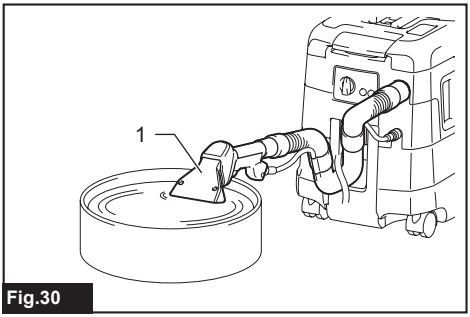


Fig.30

► **1.** Nozzle

NOTE: To wash the inside of the spray tube, turn the switch lever to + . Then, pull the trigger. Water in the solution tank will be pumped out the nozzle.

NOTE: After using the cleaning agent, fill the solution tank with a small amount of fresh water and perform the above steps.

NOTE: When you clean only the hose, remove the nozzle from the hose and insert the hose into the solution tank as shown in the figure.

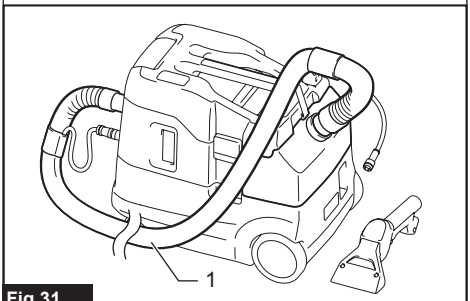


Fig.31

► **1.** Hose

Cleaning the solution tank

1. Open the top cover of the appliance and take out the solution tank.

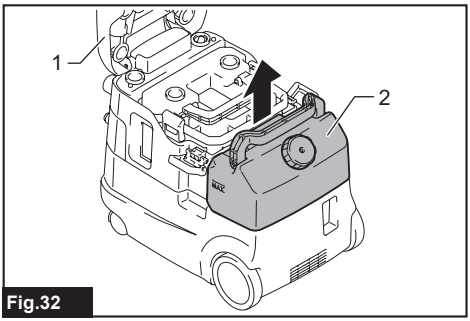


Fig.32

► **1.** Top cover **2.** Solution tank

2. Remove the top cap on the solution tank and empty the water from the tank.

3. Rinse the inside of the solution tank with fresh water. At this time, you can take off the bottom cap of the tank.

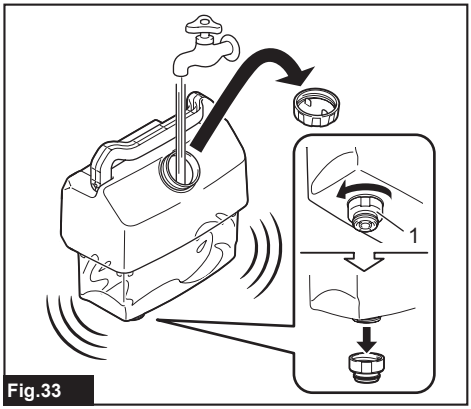


Fig.33

► **1.** Bottom cap

4. Dry the solution tank.

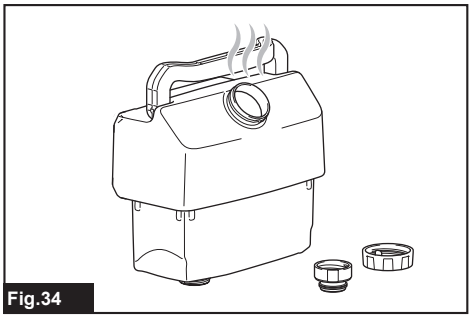


Fig.34

Cleaning the recovery tank

1. Open the top cover of the appliance and take out the recovery tank.

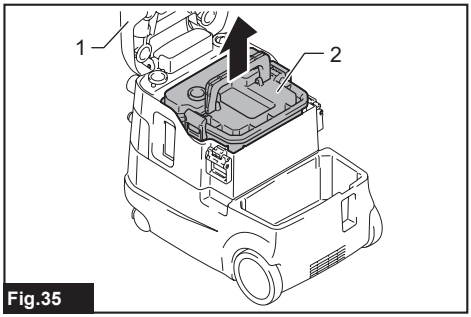


Fig.35

► **1.** Top cover **2.** Recovery tank

2. Unlock the latches on both sides of the recovery tank and take out the lid.

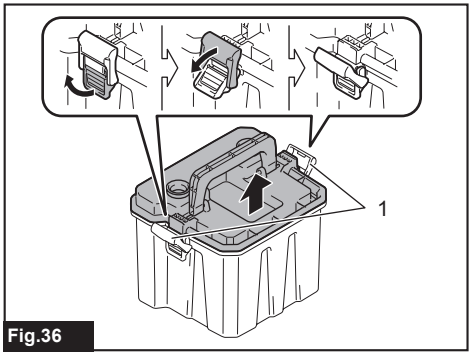


Fig.36

► **1.** Latches

3. Rinse the recovery tank and the lid with fresh water. When the lid is heavily soiled, you can disassemble and wash it.

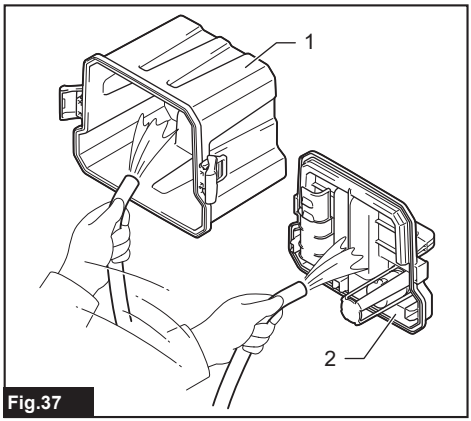


Fig.37

► **1.** Recovery tank **2.** Lid

4. Dry the recovery tank and the lid.

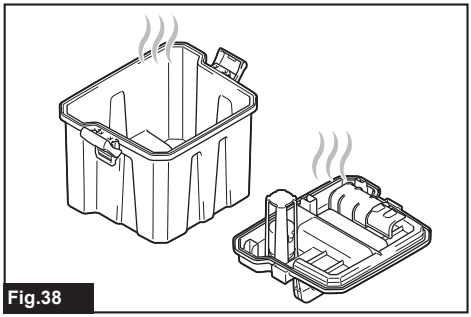


Fig.38

NOTE: To disassemble the lid, keep pressing the hooks and then, pull out the guide and float cage in the direction of the arrow.
Be sure to assemble them correctly before use. Failure to do so may cause a malfunction.

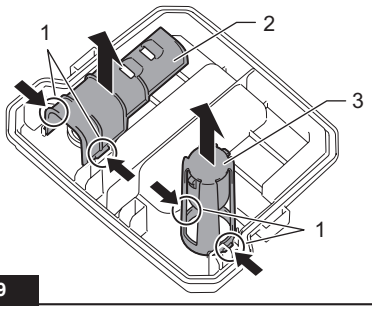


Fig.39

► **1.** Hooks **2.** Guide **3.** Float cage

Storage

⚠***CAUTION:*** **When storing the appliance, make sure the battery cartridge is removed.**

⚠***CAUTION:*** **Only use the hose band to secure the hose to the appliance.** Failure to do so may cause personal injury.

⚠***CAUTION:*** **Make sure the appliance and its accessories are dry before storing them.** If the appliance is not dry enough, mold growth and unpleasant odors may occur.

Storing the nozzle

You can store the nozzle in the nozzle holder.

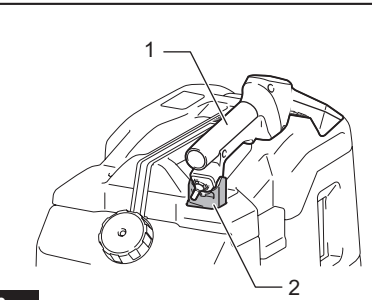


Fig.40

► **1.** Nozzle **2.** Nozzle holder

Storing the hose

You can store the suction hose with both ends connected to each other.

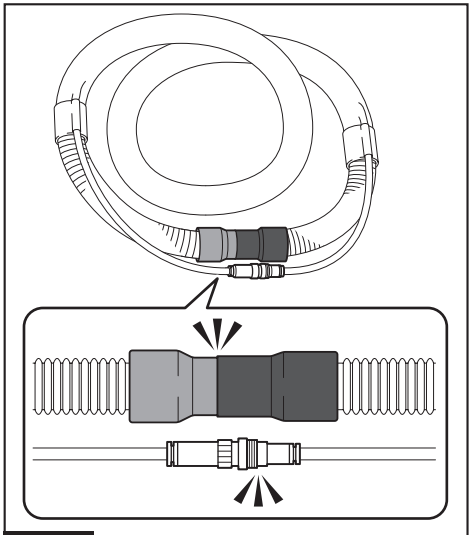


Fig.41

You can fit the hose to the appliance using the hose band. Hang the hose band on one of the hooks on the handle as shown in the figure.

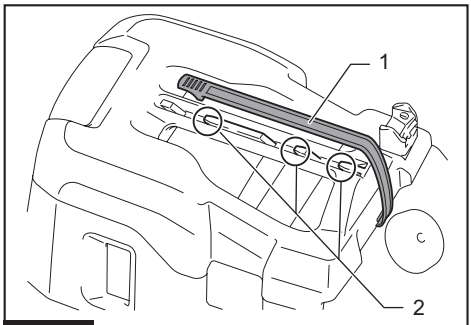


Fig.42

► **1.** Hose band **2.** Hooks

Hose securing example

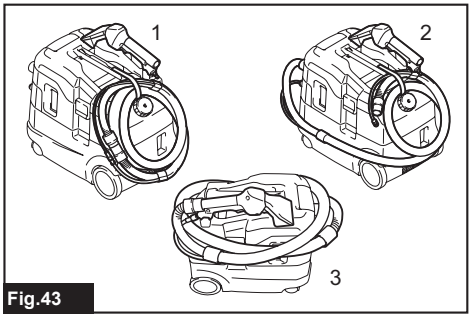


Fig.43

► **1.** Disconnecting the hose from the appliance **2.** Connecting the hose to the appliance **3.** Wrapping the hose around the appliance

Storage location

Store the appliance in the following location.

- Out of the reach of children
- Out of direct sunlight
- Out of humidity
- In weather-protected areas
- In temperatures above 0 °C (32 °F)

MAINTENANCE/ INSPECTION

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

⚠***WARNING:*** **Do not perform inspection or maintenance with wet hands.** Electric shock or other serious injuries may occur.

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

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

Maintenance

Strainer and sponge

NOTICE: **Always install the strainer and the sponge when you operate the appliance.** Water will not be pumped out from the solution tank. The sponge also reduces water drips when the solution tank is removed.

NOTICE: **Before you operate the appliance, check the strainer and the sponge for any blockages.**

NOTICE: **Do not scrub the strainer with hard objects such as brushes or spatulas.**

NOTICE: **Do not clean the strainer with a blower or a high pressure washer.**

Wash the strainer and the sponge regularly with water. When there is debris or dust in the strainer, water will not be pumped out of the solution tank.

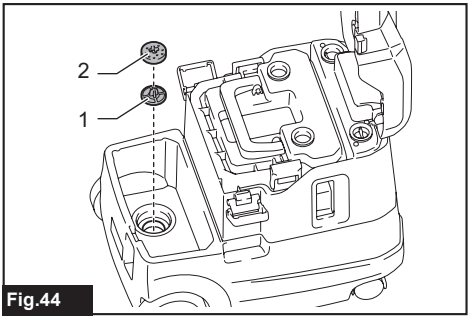


Fig.44

► **1.** Strainer **2.** Sponge

Filter

NOTICE: **Always install the filter when you operate the appliance.**

NOTICE: **Before you operate the appliance, make sure there is no debris or dust in the filter.**

NOTICE: **Do not scrub the filter with hard objects such as brushes or spatulas.**

NOTICE: **Do not clean the filter with a blower or a high pressure washer.**

Remove debris or dust from the filter regularly. Blockages in the filter may decrease its suction power. Clean the filter regularly with water and dry it well. Make sure the filter is dry before use.

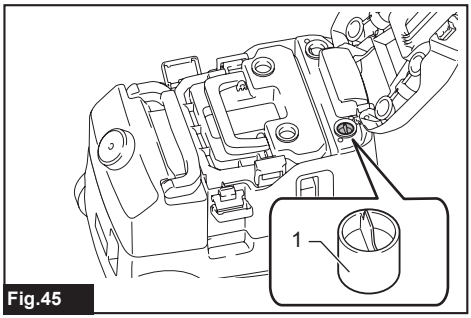


Fig.45

► **1.** Filter

Nozzle tip

NOTICE: **Before you operate the appliance, check the nozzle tip for any debris or dust.**

NOTICE: **If the cleaning agent does not dispense properly, check the nozzle for any blockages.**

Disassembling

1. Rotate the nozzle tip holder in the direction of the arrow to remove it.

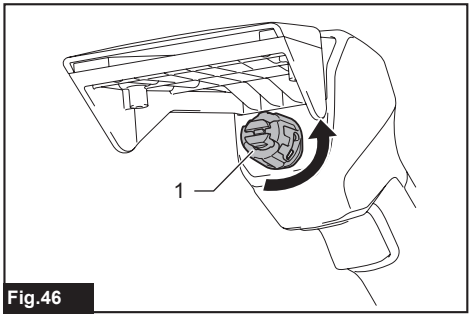


Fig.46

► **1.** Nozzle tip holder

2. Remove the seal ring and nozzle tip from the holder, and wash them with water. If there is blockage in the nozzle tip, remove it using a thin wire.

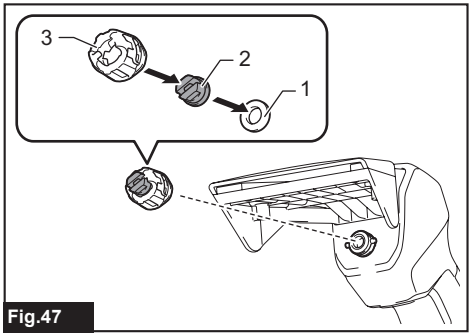


Fig.47

► **1.** Seal ring **2.** Nozzle tip **3.** Nozzle tip holder

Assembling

1. Align the notch on the nozzle tip with the protrusion on the nozzle tip holder and assemble them.

2. Fit the seal ring into the nozzle tip holder in the direction of the arrow.

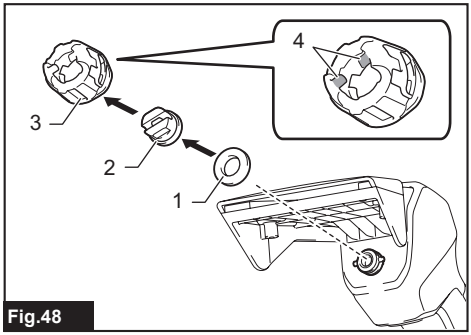


Fig.48

► **1.** Seal ring **2.** Nozzle tip **3.** Nozzle tip holder **4.** Protrusion on the nozzle tip holder

3. Align the groove on the nozzle tip holder with the protrusion on the nozzle. Rotate the nozzle tip holder in the direction of the arrow to secure it.

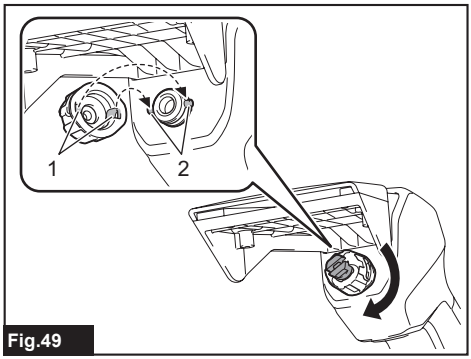


Fig.49

► **1.** Groove on the nozzle tip holder **2.** Protrusion on the nozzle

Nozzle cover

Be sure to check the nozzle cover for any debris or dust before use.

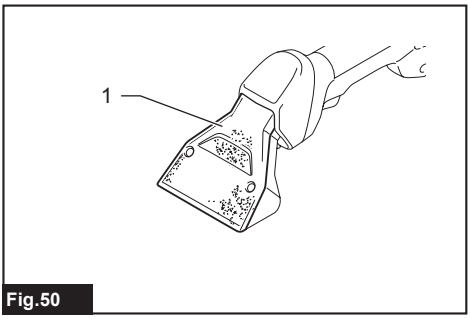


Fig.50

► **1.** Nozzle cover

OPTIONAL ACCESSORIES

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

For details of separately sold items, refer to the catalog or contact the dealer or our sales office.

- Hose
- Nozzle
- 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.

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