

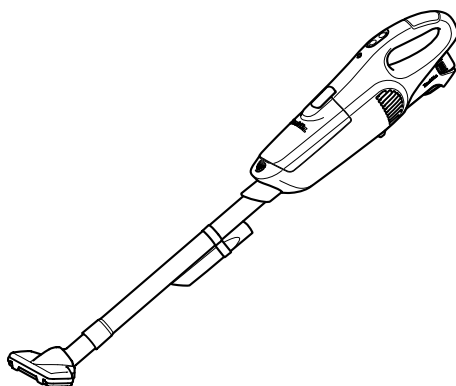
INSTRUCTION MANUAL



Cordless Cleaner

CL072D

CL102D



011517

IMPORTANT: Read Before Using.

ENGLISH (Original instructions)

SPECIFICATIONS

Model		CL072D	CL102D
Capacity	with a dust bag	0.50 L	
	with a paper pack	0.33 L	
Continuous use	HIGH	Approx. 8 min.	Approx. 13 min.
	LOW	Approx. 16 min.	Approx. 21 min.
Overall length		984 mm	
Net weight		1.0 kg	1.1 kg
Rated voltage		D.C. 7.2 V	D.C. 10.8 V

- Due to our continuing programme of research and development, the specifications herein are subject to change without notice.
- Specifications and battery cartridge may differ from country to country.
- Weight, with battery cartridge, according to EPTA-Procedure 01/2003

END004-4

Symbols

The following show the symbols used for the equipment. Be sure that you understand their meaning before use.



- Read instruction manual.



Cd
Ni-MH
Li-Ion

- Only for EU countries

Do not dispose of electric equipment or battery pack together with household waste material!

In observance of European Directive 2002/96/EC on waste electric and electronic equipment, 2006/66/EC on batteries and accumulators and waste batteries and accumulators and their implementation in accordance with national laws, electric equipment and battery pack that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

ENE017-1

Intended use

The tool is intended for collecting dry dust.

ENA005-3

IMPORTANT

SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

READ ALL INSTRUCTIONS BEFORE USING THIS APPLIANCE.

WARNING - To reduce the risk of fire, electric shock or 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 filters in place.**
14. **Do not charge the battery outdoors.**
15. **This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**

16. Children should be supervised to ensure that they do not play with the appliance.

SAVE THESE INSTRUCTIONS.

This appliance is intended for household use.

ENB114-2

ADDITIONAL SAFETY RULES

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, benzine, 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.

ENC007-6

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 battery cartridge.
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 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. Be careful not to drop or strike battery.
9. Do not use a damaged battery.

SAVE THESE INSTRUCTIONS.

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.

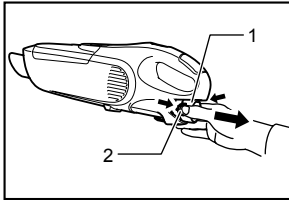
FUNCTIONAL DESCRIPTION

CAUTION:

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

Installing or removing battery cartridge

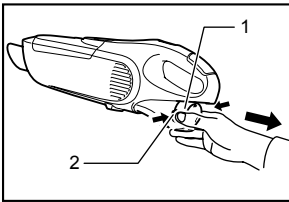
For Model CL072D



1. Battery cartridge
2. Button

011525

For Model CL102D



1. Battery cartridge
2. Button

011568

- Always switch off the tool before insertion or removal of the battery cartridge.
- To remove the battery cartridge, withdraw it from the tool while pressing the buttons on both sides of the cartridge.
- To insert the battery cartridge, hold it so that the battery cartridge front shape fits to that of the battery installment opening and slip it into place. Always insert it all the way until it locks in place with a little click. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

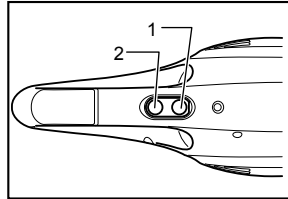
Battery protection system

The cleaner is equipped with the protection system, which automatically cuts off the output power for its long service life.

The cleaner stops during operation when the cleaner and/or battery are placed under the following situation. This is caused by the activation of protection system and does not show the cleaner trouble.

- When the cleaner is overloaded:
At this time, release the switch trigger and remove causes of overload and then pull the switch trigger again to restart.
- When the remaining battery capacity gets low:
Recharge the battery cartridge.

Switch action

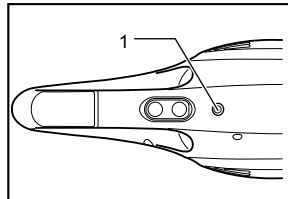


1. HIGH/LOW button
2. OFF button

011519

To start the cleaner, simply press the "HIGH/LOW" button. To switch off, press the "OFF" button. To change the cleaner speed, press the "HIGH/LOW" button. The first press on this button is for high speed and the second press for low speed and then each press on this button repeats the high/low speed cycle alternatively.

Battery power lamp



1. Battery power lamp

011518

- When the remaining battery capacity gets low, the battery power lamp blinks.
- When the remaining battery capacity gets much lower, the tool stops during operation and the battery power lamp lights up for about ten seconds. At this time, remove the battery cartridge from the tool and charge it.

NOTE:

- The time at which the battery power lamp start blinking or lighting up depends on the temperature at work place and the battery cartridge conditions.

ASSEMBLY

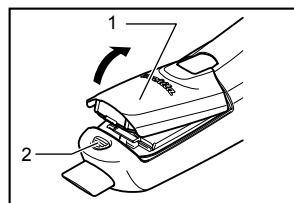
⚠CAUTION:

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

Disposing of Dust

⚠CAUTION:

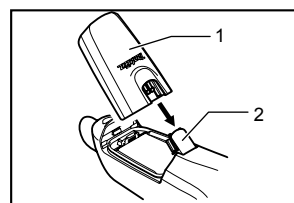
- Empty the cleaner before it becomes too full, or the suction force weakens.
- Be sure to empty out the dust inside the cleaner itself. Failure to do so may cause the sponge filter to be clogged or the motor to be damaged.
- Never throw away the dust stopper because it should be used whenever either the dust bag or the dust pack is used.



1. Front cover
2. Button

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- Push the button to open the front cover. Opening it until a click is heard allows a positive stop at that position.



1. Front cover
2. Front cover joint

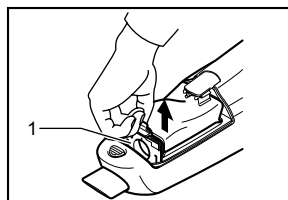
011531

NOTE:

- The cleaner is constructed in such a way that the front cover comes off when trying to force the front cover open at the angle of more than 90°. If the front cover comes off, insert it into the front cover joint in place.

⚠CAUTION:

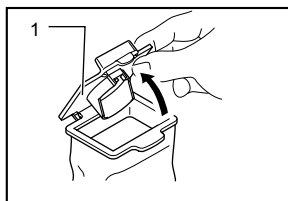
- When closing the front cover, be careful not to pinch your fingers.



1. Dust stopper

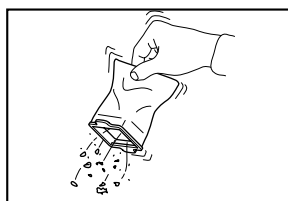
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- Pull out both the orange-colored dust stopper and dust bag together at the same time.



1. Dust stopper

008920



008921

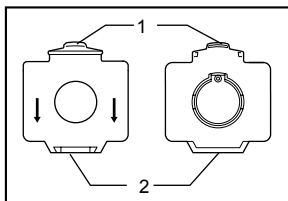
- Remove the dust stopper and empty the cleaner.

Dust bag and paper pack

Install either dust bag or paper pack before using cleaner. Use the dust stopper when installing either dust bag or paper pack.

Dust bag are usable many times repeatedly by cleaning it out. Paper pack is a throw-away type. Throw away the entire paper pack without emptying when it has become full.

Installing dust bag

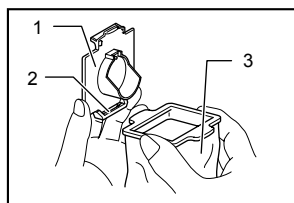


1. Upper side of dust stopper
2. Lower side of dust stopper

008930

Use the dust stopper when installing dust bag. Be careful not to take the upper side for the lower side by mistake

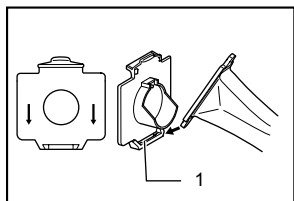
because they are different each other.



008935

1. Dust stopper
2. Groove
3. Dust bag

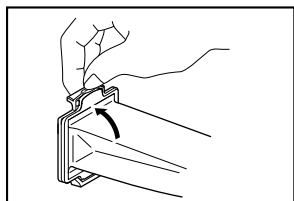
1. Insert the protrusion of the dust bag into the groove in the dust stopper as shown in the figure.



008932

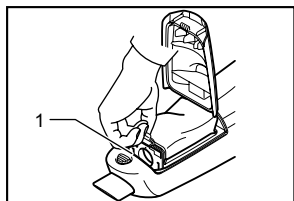
1. Lower groove

2. There is no distinction between the upper and lower sides of the dust bag. You may insert its protrusion of any side into the lower groove of the dust stopper.



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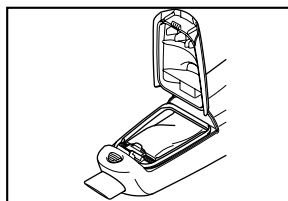
3. Overlap the frame of dust stopper with that of the dust bag.



011528

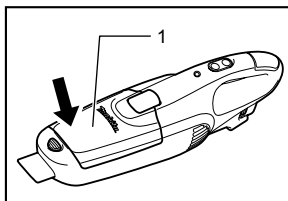
1. Cleaner cavity

4. Place the dust stopper and the dust bag together into the cleaner cavity in the same direction of arrow on the dust stopper. Insert them all the way into the slots in the cleaner cavity.



011529

5. Place the entire cloth part of the dust bag inside the tool itself.

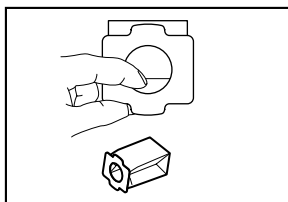


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1. Front cover

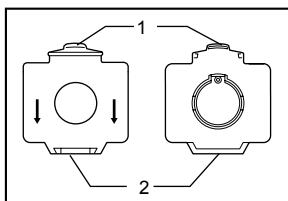
6. Close the front cover completely.

Installing the paper pack



008928

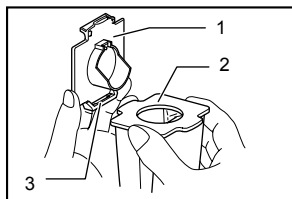
1. Unfold the entrance of the paper pack before setting it on the dust stopper.



008930

1. Upper side of dust stopper
2. Lower side of dust stopper

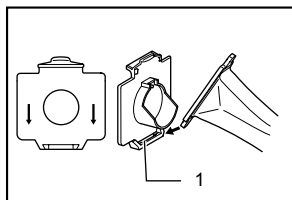
Use the dust stopper also when installing dust pack. Be careful not to take the upper side for the lower side by mistake because they are different each other.



1. Dust stopper
2. Dust pack
3. Groove

008931

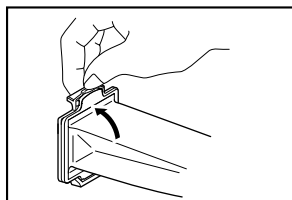
2. Insert the protrusion of the dust pack into the groove in the dust stopper as shown in the figure.



1. Lower groove

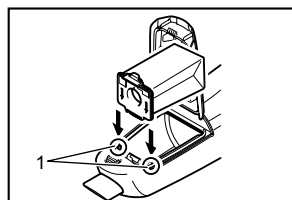
008932

3. There is no distinction between the upper and lower sides of the dust pack. You may insert its protrusion of any side into the lower groove of the dust stopper.



008933

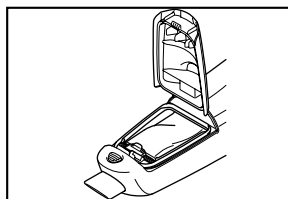
4. Overlap the frame of dust stopper with that of the dust pack.



1. Cleaner cavity

011530

5. Place the dust stopper and the dust pack together into the cleaner cavity in the same direction of arrow on the dust stopper. Insert them all the way into the slots in the cleaner cavity.



011529

6. Place the entire container part of the dust pack inside the tool itself.
7. Close the front cover completely.

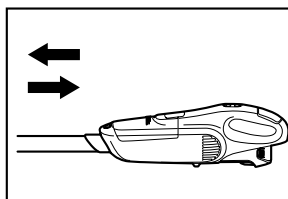
⚠CAUTION:

- Forgetting to install the dust bag or the dust pack, failure to insert the dust stopper together with the dust bag or the dust pack all the way into the slots or using a broken or ripped bag, may allow dust to get into the motor. This may result in motor failure.
- Do not fold the cardboard at its opening when installing the paper pack, .
- Never throw away the dust stopper because it need to be used repeatedly whenever either the dust bag or the dust pack is used.
- The paper pack for the cleaner is an important component for maintaining the tool performance. Using other than the genuine paper pack may cause smokes or ignition.

OPERATION

⚠CAUTION:

- To connect attachments, such as nozzle, twist-insert attachment in direction of arrow to ensure secure connection during use. To disconnect attachment, twist-extract also in direction of arrow.

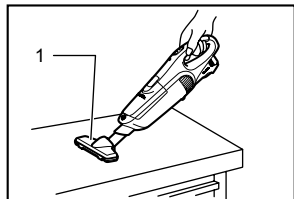


011520

Cleaning (Suction)

Nozzle

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

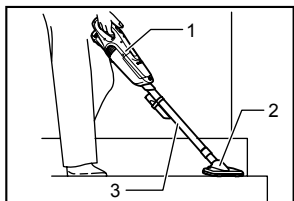


1. Nozzle

011521

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 while standing erect.

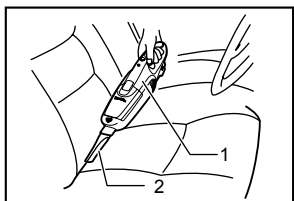


1. Cleaner
2. Nozzle
3. Extension wand

011522

Corner nozzle

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

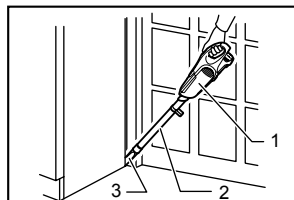


1. Cleaner
2. Corner nozzle

011523

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.



1. Cleaner
2. Extension wand
3. Corner nozzle

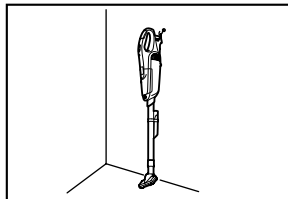
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MAINTENANCE

⚠CAUTION:

- Always be sure that the tool is switched off before attempting to perform inspection or maintenance.

After use

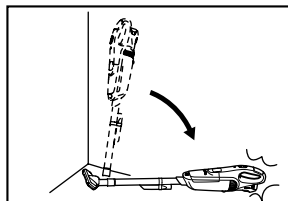


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When storing the cleaner, hang it from a nail using the hand strap.

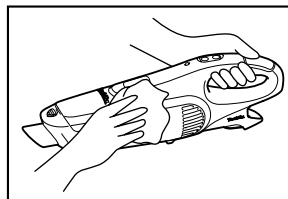
NOTE:

- Putting the cleaner against the wall without any other support cause the cleaner to fall down and be damaged.



011567

Cleaning

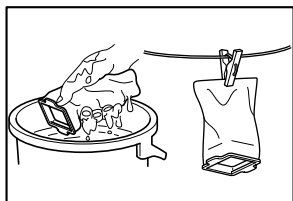


011533

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, dust bag/dust pack mounting area and the dust stopper.

⚠CAUTION:

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



008934

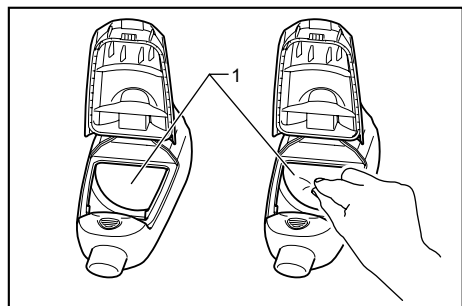
Wash the dust bag in soapy water when it is clogged with dust and the cleaner power becomes small. Dry it out thoroughly before use. An insufficiently dried bag may cause poor suction and shorten the service life of the motor.

NOTE:

- Dust pack is a throw-away type.

When the sponge filter is clogged with dust, remove it from the cleaner and then wipe it off or wash in water.

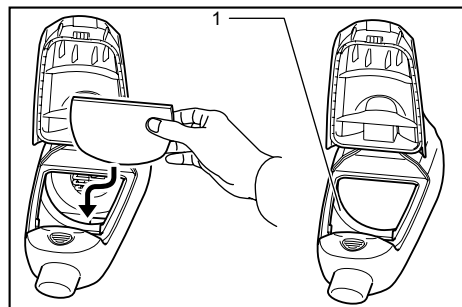
Removing and installing the sponge filter



1. Sponge filter

011534

To remove the sponge filter, remove the dust bag or dust pack and then pinch and take it out.



1. Recessed wall

011535

Press in the whole edge of the sponge filter against the recessed wall inside the dust bag/dust pack mounting area.

⚠CAUTION:

- After cleaning sponge filter, be sure to install it on the cleaner. If washed in water, dry it up before installing. An insufficiently dried sponge filter may shorten the service life of the motor.

Things to Check Before Asking for Repairs

Symptom	Area to be investigated	Fixing method
Weak suction power	Is dust bag or paper pack full of dust ?	Empty dust bag or paper pack.
	Is dust bag clogged ?	Dust down or wash the dust bag.
	Is paper pack clogged ?	Replace paper pack.
	Is battery cartridge exhausted ?	Charge the battery cartridge.
Not working	Is battery cartridge exhausted ?	Charge the battery cartridge.

011566

NOTE:

- Do not attempt to repair cleaner by yourself.

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

ACCESSORIES

CAUTION:

- These accessories or attachments are recommended for use with your Makita cleaner 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
- Round brush
- Flexible hose
- Paper pack
- Various type of Makita genuine batteries and chargers

[illegible]

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