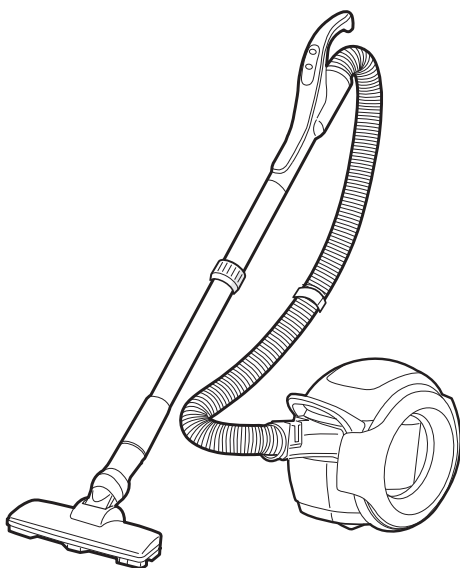


INSTRUCTION MANUAL



Cordless Cyclone Cleaner

DCL501



IMPORTANT: Read Before Using.

SPECIFICATIONS

Model	DCL501
Capacity	250 mL
Continuous use (with battery BL1850B)	HIGH (2) : Approx. 29 min. LOW (1) : Approx. 64 min.
Dimensions (L x W x H) (with battery BL1850B)	352 mm x 189 mm x 252 mm (13-7/8" x 7-7/16" x 9-7/8")
Net weight (with battery BL1850B)	3.8 kg (8.4 lbs)
Rated voltage	D.C. 18 V
Standard battery cartridges	BL1815N, BL1820B, BL1830, BL1830B, BL1840B, BL1850B, BL1860B

- Due to our continuing program 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

USA012-1

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 leave appliance when battery fitted. Remove battery from appliance when not in use and before servicing.
2. Do not expose to rain. Store indoors.
3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.

4. Use only as described in this manual. Use only manufacturer's recommended attachments.
5. 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.
6. Do not handle appliance with wet hands.
7. 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.
8. Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts.
9. Turn off all controls before removing the battery cartridge.
10. Use extra care when cleaning on stairs.
11. Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
12. Use only the charger supplied by the manufacturer to recharge.
13. Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
14. Do not use without filters in place.

15. Do not charge the battery outdoors.

SAVE THESE INSTRUCTIONS.

This appliance is intended for household use.

USB062-3

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, 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.

USD305-1

Symbols

The followings show the symbols used for the appliance.

- | | |
|---|------------------|
| V | • volts |
| — | • direct current |

ENC007-8

IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CARTRIDGE

1. Disconnect the battery cartridge from the appliance before making any adjustments, changing accessories, or storing appliance. Such preventive safety measures reduce the risk of starting the appliance accidentally.
2. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery cartridge may create a risk of fire when used with another battery cartridge.
3. Use appliances only with specifically designated battery cartridges. Use of any other battery cartridges may create a risk of injury and fire.
4. When battery cartridge 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.

5. 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.
6. Do not use a battery cartridge or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
7. Do not expose a battery cartridge or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C (265°F) may cause explosion.
8. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
9. Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
10. Do not disassemble battery cartridge.
11. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
12. 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.
13. 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.
14. Do not store the appliance and battery cartridge in locations where the temperature may reach or exceed 50 °C (122 °F).
15. 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.
16. Be careful not to drop or strike battery.
17. Do not use a damaged battery.
18. Follow your local regulations relating to disposal of battery.

SAVE THESE INSTRUCTIONS.

Tips for maintaining maximum battery life

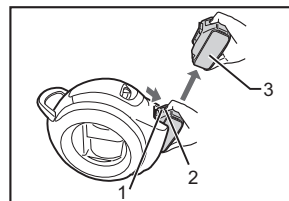
1. Charge the battery cartridge before completely discharged. Always stop appliance operation and charge the battery cartridge when you notice less appliance power.
2. Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
3. Charge the battery cartridge with room temperature at 10 °C - 40 °C (50 °F - 104 °F). Let a hot battery cartridge cool down before charging it.
4. Charge the battery cartridge once in every six months if you do not use it for a long period of time.

PREPARATION

⚠ CAUTION:

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

Installing or removing battery cartridge



1. Red indicator
2. Button
3. Battery cartridge

⚠ CAUTION:

- Always switch off the appliance before installing or removing of the battery cartridge.
- Hold the appliance and the battery cartridge firmly when installing or removing battery cartridge. Failure to hold the appliance and the battery cartridge firmly may cause them to slip off your hands and result in damage to the appliance and battery cartridge and a personal injury. To remove the battery cartridge, slide it from the appliance while sliding the button on the front of the cartridge.
- Take care not to trap finger(s) between cleaner and battery as shown in diagram when loading battery. Trapping finger(s) may cause injury.

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 on the upper side of the button, it is not locked completely.

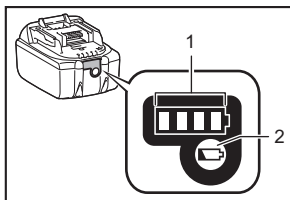
⚠ CAUTION:

- Always install the battery cartridge fully until the red indicator cannot be seen. If not, it may accidentally fall out of the appliance, causing injury to you or someone around you.
- Do not install the battery cartridge forcibly. If the cartridge does not slide in easily, it is not being inserted correctly.

Indicating the remaining battery capacity

(Only for battery cartridges with "B" at the end of the model number.)

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



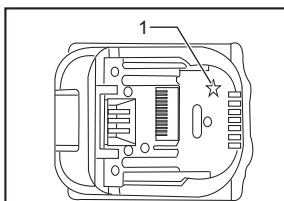
1. Battery indicator
2. Check button

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.

Battery protection system (Lithium-ion battery with star marking)



1. Star marking

Lithium-ion batteries with a star marking are equipped with a protection system. This system automatically cuts off power to the appliance to extend battery life.

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

- **Overloaded:**
The appliance is operated in a manner that causes it to draw an abnormally high current. In this situation, switch off the appliance and stop the application that caused the appliance to become overloaded. Then restart the appliance.

If the appliance does not start, the battery is overheated. In this situation, let the battery cool before restarting the appliance.

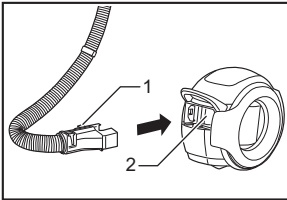
- Low battery voltage:
The remaining battery capacity is too low and the appliance will not operate. In this situation, remove and recharge the battery.

Installing or removing attachments

⚠ CAUTION:

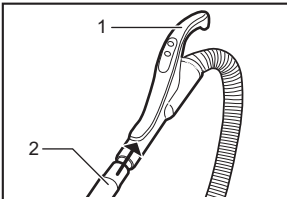
- Always be sure that the appliance is switched off and the battery cartridge is removed before carrying out any work on the appliance.
- Firmly push the nozzle or zoom pipe into the handle while twisting to securely attach to ensure that they do not come loose during use.

Attach the hose connector to the suction hose opening on the appliance. Press the release button to disconnect the hose.



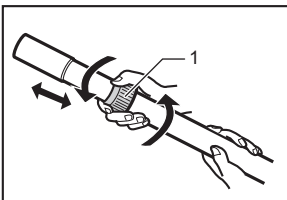
1. Release button
2. Suction hose opening

Insert the zoom pipe into the end of the handle.



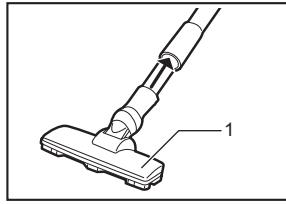
1. Handle
2. Zoom pipe

Loosen the zoom pipe ring and adjust the pipe length. After adjustment, tighten the ring.



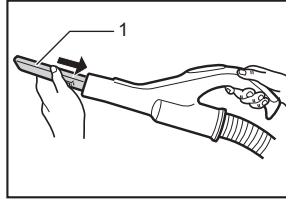
1. Ring

Attach the nozzle to the zoom pipe.



1. Nozzle

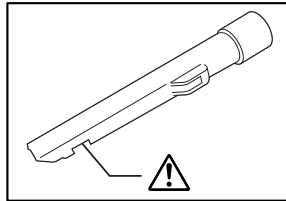
Attach the crevice nozzle to the handle or zoom pipe to use to clean crevices and other narrow, hard-to-reach areas.



1. Crevice nozzle

⚠ CAUTION:

- Do not cover the hole of the crevice nozzle. It may cause overheat and result in damage to the appliance.



Attaching the shoulder belt

⚠ CAUTION:

- When hanging the appliance on your shoulder, always hold the appliance itself by hand to prevent it from dropping. Dropping the appliance may cause injury or property damage. Use the shoulder belt to hang the appliance on your shoulder for cleaning a high place.

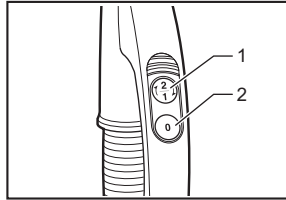


Loop the shoulder belt around both the carrying handle and the belt holder and then run it through the stopper as shown in the diagram.

OPERATION

Switch action

1. ON (2/1) button
2. OFF (0) button



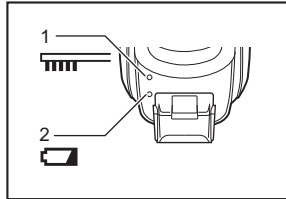
To start the cleaner, simply press the ON (2/1) button.

To switch off, press the OFF (0) button. To change the cleaner speed, press the ON (2/1) button. The first press on this button is for high speed and the second press for low speed. Each press on this button repeats the speed change alternatively.

Indicator lamps

The indicator lamps light up or flash to indicate the status of the appliance.

1. Filter indicator (orange lamp)
2. Battery indicator (red lamp)

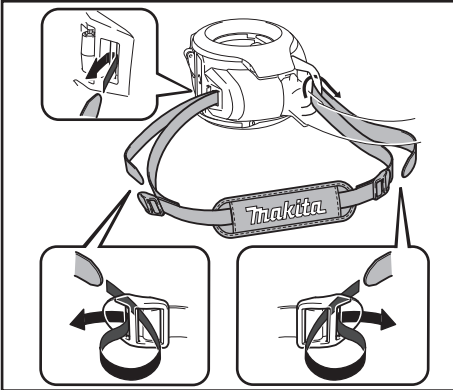
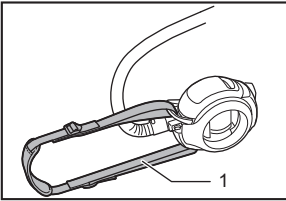


Filter indicator (orange lamp)	Lighting on	The filter is dirty. Clean the filter. Refer to Section "Cleaning the filter (after work)".
	Blinking rapidly	The filter is clogged with dust. Wash the filter. Refer to Section "Cleaning the filter (thoroughly cleaning)".
Battery indicator (red lamp)	Blinking	The battery power is getting low.
	Lighting on	The battery is very low and the appliance will stop. Charge the battery.

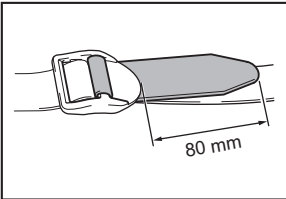
NOTE:

- Always remove dust frequently. Suction power will be reduced if there is too much dust in cleaner.

1. Shoulder belt

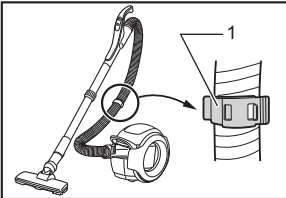


Pull the ends of the belt up so that they are at least 80 mm (3") from the top of the stopper.

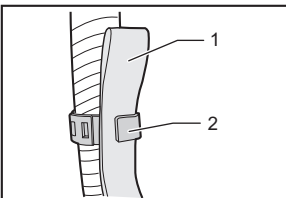


Attach the hose hook at around the midpoint along the hose. Store the shoulder belt in the hose hook when not using it.

1. Hose hook



1. Shoulder belt
2. Hose hook



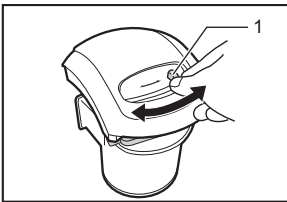
MAINTENANCE

⚠ CAUTION:

- Always be sure that the appliance is switched off before attempting to perform inspection or maintenance.
- Place newspapers or a garbage can underneath to work over. The newspapers or garbage can will catch any falling dust from the appliance.

Cleaning the filter (after work)

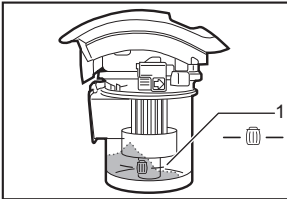
After use, move the filter cleaning lever back and forth around ten times to loosen dust from the filter.



1. Cleaning lever

Disposing of dust

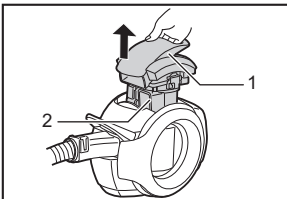
Dispose of dust before the level exceeds the Dust Full line. The suction power may drop if the level exceeds this line. Dispose of dust before it reaches the line, including it accumulates at one side only.




1. Dust Full line
— ☐ —

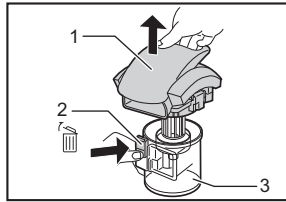
To dispose of dust, follow the procedure below.

1. Raise the Cup Release lever to eject the dust cup assembly.



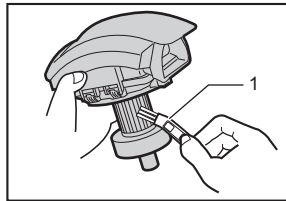
1. Cup Release lever
2. Dust cup assembly

2. Press the  button to remove the cover. Dispose of the dust in the dust cup.



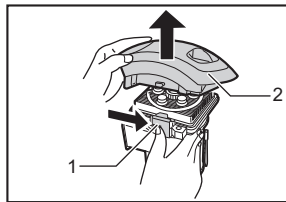
1. Cover
2.  button
3. Dust cup

3. Use the cleaning brush attached to the dust cup to brush away dust inside the cup.



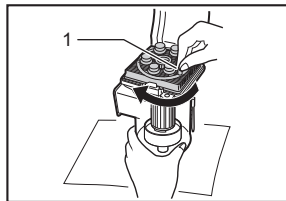
1. Cleaning brush

4. Move the red lever on the filter cover in the direction of the arrow to flip the filter cover open.



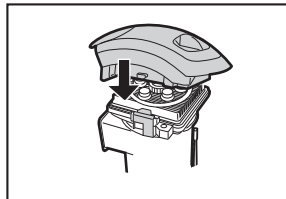
1. Red lever
2. Filter cover

5. Grasp the knob and spin it around ten times.

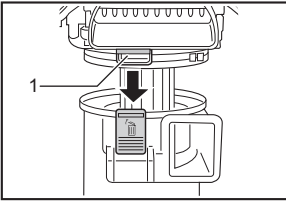


1. Knob

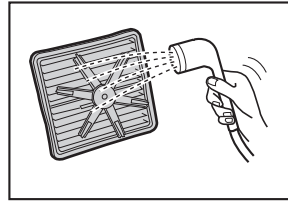
6. Close the filter cover.



7. Attach the dust cup to the cover.



1. Yellow indicator



8. Attach the dust cup assembly to the appliance body.

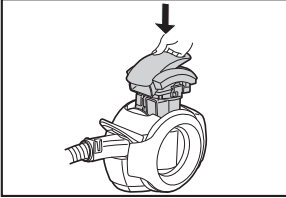
Cleaning the cleaner body

From time to time wipe off the outside (cleaner body) of the cleaner using a cloth dampened in soapy water.

⚠ CAUTION:

- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.
- Dry it out thoroughly before use. An insufficiently dried filter may cause poor suction and shorten the service life of the motor.

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



Cleaning the filter (thoroughly cleaning)

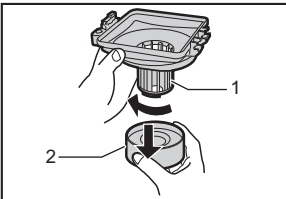
Wash out the filter if it gets too dirty, when suction power drops, or the orange lamp starts flashing.

Remove the dust cup, filter cover, filter, and cylindrical filter apart and wash each separately to clean them. Use plain water or a neutral detergent solution to wash each part.

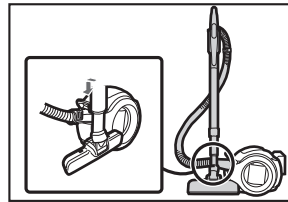
After washing the parts, leave them out to fully dry and then put them back together.

STORAGE

Shorten the zoom pipe and insert the hook into the holder securely.



1. Cylindrical filter (upper)
2. Cylindrical filter (lower)



TROUBLE SHOOTING

Before asking for repairs, check the following points.

Symptom	Area to be investigated	Fixing method
Weak suction power	• Is dust cup full of dust?	• Empty dust from dust cup.
	• Is filter clogged?	• Dust down or wash filter.
	• Is battery exhausted?	• Recharge battery.
Not working	• Is battery exhausted?	• Recharge battery.

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.

OPTIONAL ACCESSORIES

⚠ CAUTION:

- These accessories or attachments are recommended for use with your appliance 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.

- Makita genuine battery and charger

NOTE:

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

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita

will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- the tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Makita Corporation

3-11-8, Sumiyoshi-cho,
Anjo, Aichi 446-8502 Japan