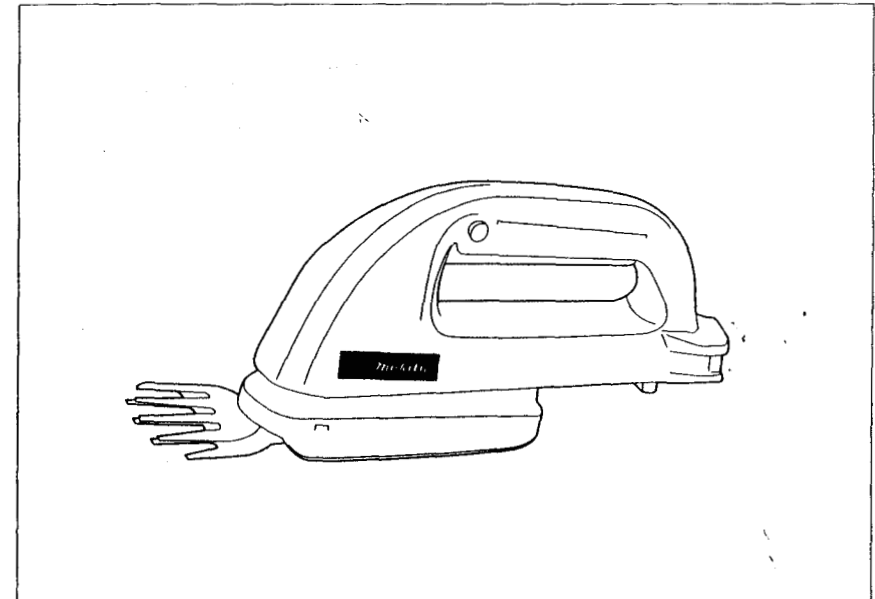




# Cordless Grass Shear

100 mm (4") MODEL UM104D

## INSTRUCTION MANUAL



### 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.

### SPECIFICATIONS

Effective cutting width	Strokes per min.	Dimensions (L x W x H)	Net weight		
100 mm (4")	1,000	307 mm x 97 mm x 138 mm (12-3/32" x 3-13/16" x 5-7/16")	1.1 kg (2.4 lbs)		
Battery Cartridge	Voltage	Battery Charger	Input	Output	Charging time
7033	7.2 V	DC1411	A.C. only 50 Hz - 60 Hz	D.C. 7.2 V - 14.4 V	65 min.

- Manufacturer reserves the right to change specifications without notice.
- Note: Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.  
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

### Makita Corporation

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

884385-062

PRINTED IN JAPAN  
2001-1N

# IMPORTANT SAFETY INSTRUCTIONS

(FOR ALL APPLIANCES)

**WARNING:** When using electric gardening appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

## READ ALL INSTRUCTIONS

1. Be aware that this appliance is always in an operating condition, because it does not have to be plugged into an electrical outlet.
2. Do not operate appliances in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Appliances create sparks which may ignite the dust or fumes.
3. **Avoid Dangerous Environment** — Do not use appliances in damp or wet locations.
4. Do not use or charge appliance in rain, or in wet locations.
5. **Keep Children Away** — All visitors should be kept at a distance from work area.
6. **Dress Properly** — Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
7. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.
8. **Use Right Appliance** — Do not use appliance for any job except that for which it is intended.
9. **Avoid Unintentional Starting** — Do not carry appliance with finger on switch. Be sure switch is off before inserting battery pack.
10. Do not grasp the exposed cutting blades or cutting edges when picking up or holding the appliance.
11. Do not Force Appliance — It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
12. Do not Overreach — Keep proper footing and balance at all times.
13. Stay Alert — Watch what you are doing. Use common sense. Do not operate appliance when you are tired.
14. Store Idle Appliances Indoors — When not in use, appliances should be stored indoors in dry, and high or locked-up place — out of reach of children.

15. **Maintain Appliance With Care** — Keep cutting edge sharp and clean for best performance and to reduce the risk of injury. Follow instructions for lubricating and changing accessories. Inspect appliance cord periodically, and if damaged, have it repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
16. **Check Damaged Parts** — Before further use of the appliance, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless indicated elsewhere in this manual.
17. **A battery operated appliance with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery.** A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.
18. **Use battery operated appliance only with specifically designated battery pack.** Use of any other batteries may create a risk of fire.
19. **Remove adjusting keys or wrenches before turning the appliance on.** A wrench or a key that is left attached to a rotating part of the appliance may result in personal injury.
20. **Do not use appliance if switch does not turn it on or off.** An appliance that cannot be controlled with the switch is dangerous and must be repaired.
21. **Disconnect battery pack from appliance or place the switch in the locked or off position before making any adjustments, changing accessories, cleaning, removing material from the appliance or storing the appliance.** Such preventive safety measures reduce the risk of starting the appliance accidentally.
22. **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 sparks, burns, or a fire.
23. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one appliance may create a risk of injury when used on another appliance.
24. **Appliance service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel may result in a risk of injury.
25. **When servicing an appliance, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.

## ***Specific Safety Rules***

US8054-1

1. Keep hands away from blades.
2. Before cutting grass, remove foreign matter such as rocks and large sticks from the work area. Be careful not to catch foreign matter between blades, otherwise blades may be jammed. If this happens, switch the appliance off. Then remove the obstruction from the blades.
3. When not in use, be sure to cover the blades with blade cover.

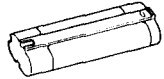
**SAVE THESE INSTRUCTIONS.**

## ACCESSORIES

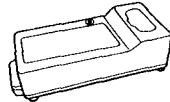
### CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

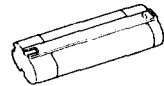
- Battery cartridge 7000



- High capacity battery charger Model DC1411



- Battery cartridge 7033



- Battery cover



- Shear blade assembly



- Blade cover



## IMPORTANT SAFETY INSTRUCTIONS FOR CHARGER & BATTERY CARTRIDGE

- SAVE THESE INSTRUCTIONS** – This manual contains important safety and operating instructions for battery charger.
- Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
- CAUTION** – To reduce risk of injury, charge only MAKITA rechargeable batteries marked on the charger label. Other types of batteries may burst causing personal injury and damage.
- Do not expose charger to rain or snow.
- Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.
- To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
- Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:
  - That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
  - That extension cord is properly wired and in good electrical condition; and
  - That wire size is at least as large as the one specified in the table below.

TABLE 1  
RECOMMENDED MINIMUM AWG SIZE FOR  
EXTENSION CORDS FOR BATTERY CHARGERS

Length of Cord (Feet)	25	50	100	150
AWG Size of Cord	18	18	18	16

- Do not operate charger with damaged cord or plug – replace them immediately.
- Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
- Do not disassemble charger or battery cartridge; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
- If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
- 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.

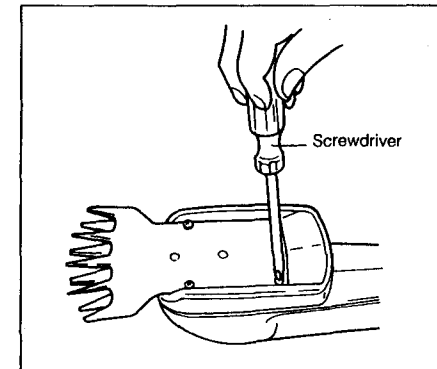
## ADDITIONAL SAFETY RULES FOR CHARGER & BATTERY CARTRIDGE

1. Do not charge Battery Cartridge when temperature is BELOW 10°C (50°F) or ABOVE 40°C (104°F).
2. Do not attempt to use a step-up transformer, an engine generator or DC power receptacle.
3. Do not allow anything to cover or clog the charger vents.
4. Always cover the battery terminals with the battery cover when the battery cartridge is not used.
5. A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
  - (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.
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.

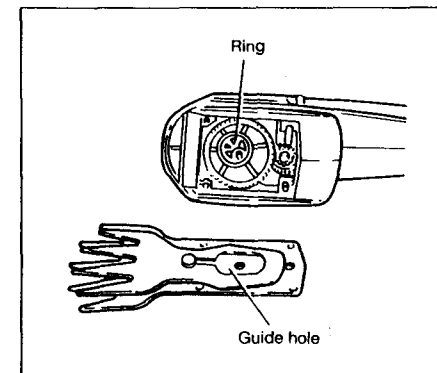
**SAVE THESE INSTRUCTIONS.**

### Removing or installing blade

Seriously damaged blades or blades that have been sharpened numerous times should be replaced. Replacement is accomplished by loosening the screws and removing the blades.



When installing the new blades, rotate the gear so that its ring is positioned in the blade guide hole. With the blades held in this position, replace the screws and tighten them securely.



### CAUTION:

Do not remove the grease on the gears or gear housing when replacing the blades.

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

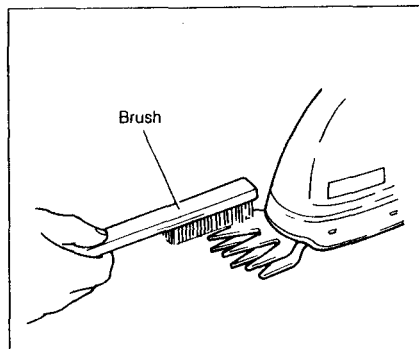
## MAINTENANCE

### CAUTION:

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

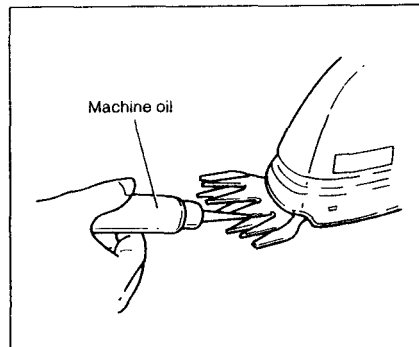
### Blade maintenance

After operation, clean off the blades (both sides) with a stiff brush. Then wipe the blades with a cloth and coat them with light machine oil.

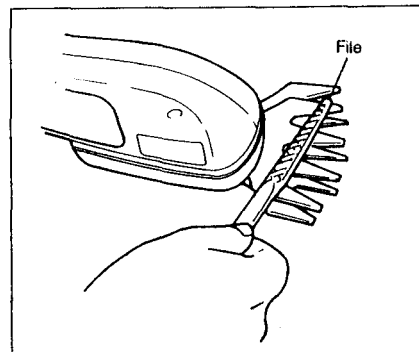


### CAUTION:

Dirt and corrosion cause excessive blade friction and shorten the operating time per battery charge.



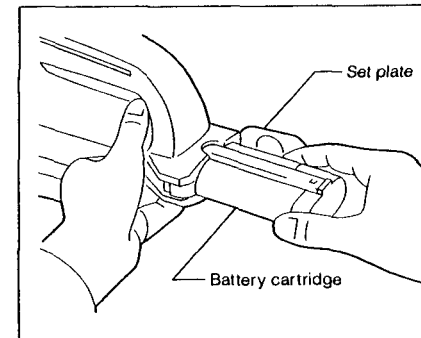
If the blades become dull or slightly damaged by contact with foreign matter, they can usually be restored to their original performance by sharpening with a file.



## FUNCTIONAL DESCRIPTION

### Installing or removing battery cartridge

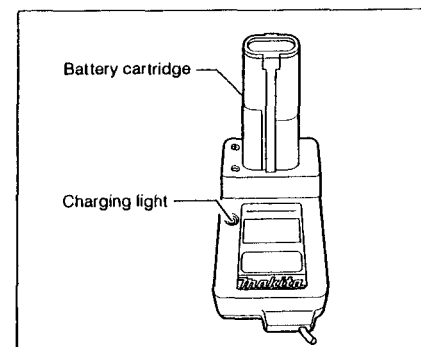
- Always switch off the tool before insertion or removal of the battery cartridge.
- To remove the battery cartridge, pull out the set plate on the tool and grasp both sides of the cartridge while withdrawing it from the tool.
- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Snap the set plate back into place. Be sure to close the set plate fully before using the tool.



- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

### Charging

- Your new battery cartridge is not charged. You will need to charge it before use. Use the high capacity battery charger Model DC1411 to charge the battery cartridge.



- Plug the high capacity battery charger into the proper A.C. voltage source. The charging light will flash in green color.

- Insert the battery cartridge so that the plus and minus terminals on the battery cartridge are on the same sides as their respective markings on the high capacity battery charger. Insert the cartridge fully into the port so that it rests on the charger port floor.

- When the battery cartridge is inserted, the charging light color will change from green to red and charging will begin. The charging light will remain lit steadily during charging.

- When the charging light color changes from red to green, the charging cycle is complete and the charger will switch into its "trickle charge (maintenance charge)" mode.

- After charging, unplug the charger from the power source.

### CAUTION:

- The high capacity battery charger Model DC1411 is for charging Makita battery cartridge. Never use it for other purposes or for other manufacturer's batteries.

- When you charge a new battery cartridge or a battery cartridge which has not been used for a long period of time, it may not accept a full charge. This is a normal condition and does not indicate a problem. You can recharge the battery cartridge fully after discharging it completely and recharging a couple of times.

- If you charge a battery cartridge from a just-operated tool or a battery cartridge which has been left in a location exposed to direct sunlight or heat for a long time, the charging light may flash in red color. If this occurs, wait for a while. Charging will begin after the battery cartridge cools. The battery cartridge will cool faster if you remove the battery cartridge from the high capacity battery charger.
- If the charging light flashes alternately in green and red color, a problem exists and charging is not possible. The terminals on the charger or battery cartridge are clogged with dust or the battery cartridge is worn out or damaged.

#### Trickle charge (Maintenance charge)

If you leave the battery cartridge in the charger to prevent spontaneous discharging after full charge, the charger will switch into its "trickle charge (maintenance charge)" mode and keep the battery cartridge fresh and fully charged.

#### Tips for maintaining maximum battery life

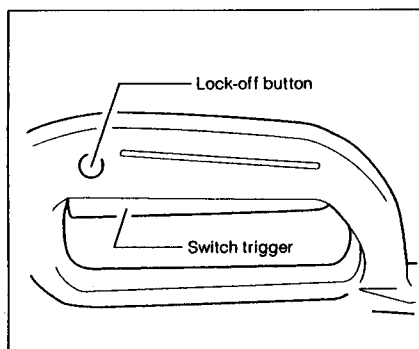
1. Charge the battery cartridge before completely discharged.  
Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. Never recharge a fully charged battery cartridge.  
Overcharging shortens the battery service life.
3. Charge the battery cartridge with room temperature at 10°C – 40°C (50°F – 104°F).  
Let a hot battery cartridge cool down before charging it.
4. Charge the Nickel Metal Hydride battery cartridge when you do not use it for more than six months.

#### Switch action

##### CAUTION:

Before inserting the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To prevent the trigger from being accidentally pulled, a lock-off button is provided. To start the tool, push in the lock-off button and pull the trigger. Release the trigger to stop.

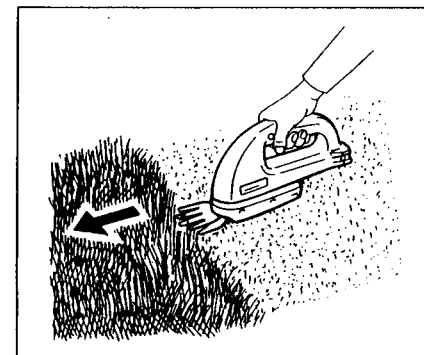


#### OPERATION

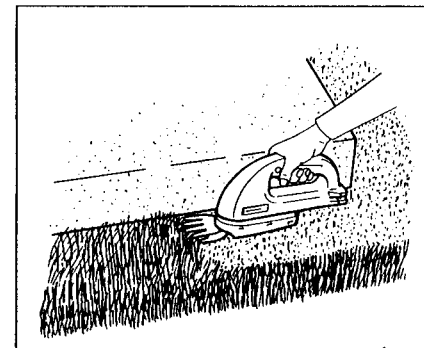
Turn the tool on and hold it so that the "foot" of the tool rest on the ground. Then gently move the tool forward into the area to be cut.

##### WARNING:

Keep hands away from blades.



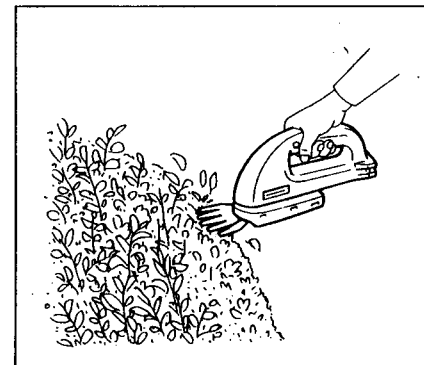
When trimming around curb, fence or trees, move the tool along them. Be careful not to contact them with the blades.



##### CAUTION:

Do not contact the ground with the blades. The blades will be dulled, causing poor performance.

When trimming twigs and foliage, do not attempt to trim too much at a time. Proceed gently. Also, do not attempt to cut thick branches.





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