



# Makita

アメリカ

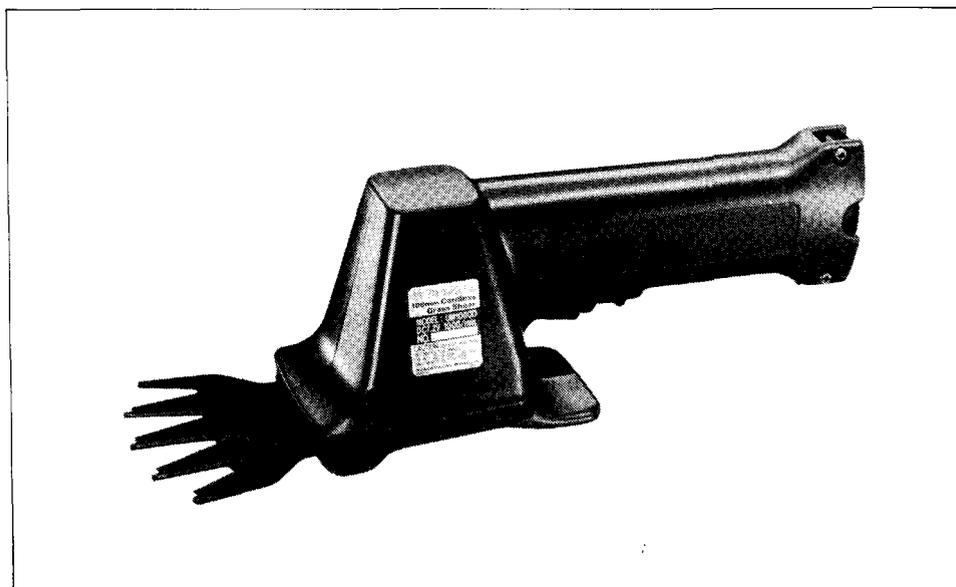
## CORDLESS GRASS SHEAR

100 mm (4") MODEL UM1000D

100 mm (4") MODEL UM1000DW

With Fast Charger

### INSTRUCTION MANUAL



#### SPECIFICATIONS

• Model UM1000D

Effective cutting width	Strokes per min.	Dimensions (L x W x H)	Net weight
100 mm (4")	1,000	320 mm x 100 mm x 108 mm (12-5/8" x 4" x 4-1/4")	1 kg (2.2 lbs)

• Battery Cartridge 7000

• Model DC7100 Fast Charger

Voltage	Charging time	Input	Output
7.2 V	1 Hr.	A.C. only 50 Hz - 60 Hz	D.C. 7.2 V

\* Manufacturer reserves the right to change specifications without notice.

\* Note: Specifications may differ from country to country.

# **IMPORTANT SAFETY INSTRUCTIONS**

## **(For All Tools)**

**WARNING: WHEN USING ELECTRIC TOOLS, 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. Avoid Dangerous Environment — Don't use appliances in damp or wet locations.
3. Don't Use In Rain.
4. Keep Children Away — All visitors should be kept at a distance from work area.
5. 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.
6. Use Right Appliance — Do not use appliance for any job except that for which it is intended.
7. Avoid Unintentional Starting — Don't carry appliance with finger on switch.
8. Don't grasp the exposed cutting blades or cutting edges when picking up or holding the appliance.
9. Don't 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.
10. Don't Overreach — Keep proper footing and balance at all times.
11. Store Idle Appliances Indoors — When not in use, appliances should be stored indoors in dry, high or locked-up place — out of reach of children.
12. 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.

# IMPORTANT SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS** – This manual contains important safety and operating instructions for battery charger.
2. Before using battery charger, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
3. **CAUTION** – To reduce risk of injury, charge only MAKITA Battery 7000. Other types of batteries may burst causing personal injury and damage.
4. Do not expose charger to rain or snow.
5. 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.
6. To reduce risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. 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:
  - a. That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
  - b. That extension cord is properly wired and in good electrical condition; and
  - c. 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

9. Do not operate charger with damaged cord or plug – replace them immediately.
10. 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.
11. 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.
12. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.

## **ADDITIONAL SAFETY RULES FOR CHARGER & BATTERY CARTRIDGE**

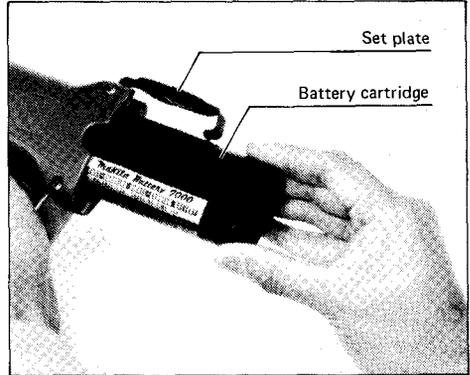
1. Do not charge Battery Cartridge when temperature is BELOW 10°C (50°F) or ABOVE 40°C (104°F).
2. Do not attempt to use a step-up transformer, an engine generator or DC power receptacle.
3. Do not allow anything to cover or clog the charger vents.
4. Do not short the battery cartridge:
  - (1) Do not 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.
5. Do not store the tool and Battery Cartridge in locations where the temperature may reach or exceed 50°C (122°F).
6. 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.**

## Installing or removing battery cartridge

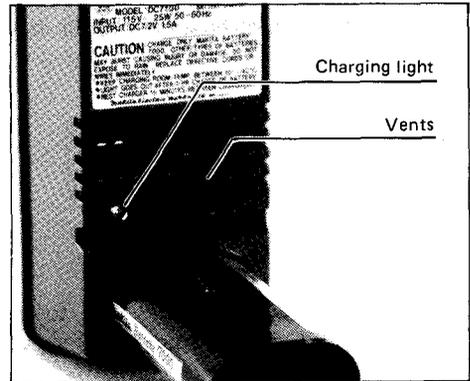
- Always switch off the tool before insertion or removal of the battery cartridge.
- To remove the battery cartridge, pull out the set plate on the bottom of the tool and grasp both sides of the cartridge while withdrawing it from the barrel.
- To insert the battery cartridge, align the tongue on the 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

Plug the fast charger into your power source. 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 fast charger. Insert the cartridge fully into the port so that it rests on the charger port floor. Check to see that the charging light comes on. When it goes out, you may remove the fully charged battery cartridge. After charging, unplug the charger from the power source.



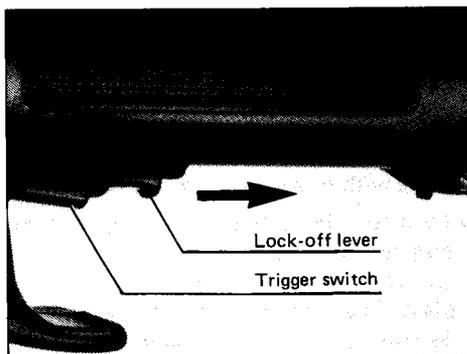
## CAUTION :

- Your new battery cartridge is not charged. You will need to charge it before use.
- If you try to charge a cartridge from a just-operated tool, sometimes the charging light will not come on. If this occurs, let the cartridge cool off for a while. Then re-insert it and try to charge it once more.
- When you charge a new battery cartridge or a battery cartridge which has not been used for a long period, 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 a couple of times.
- If you wish to charge two battery cartridges, allow 15 minutes between chargings on the fast charger.

### Switch action

To prevent the trigger from being accidentally pulled, a lock-off lever is provided as a safety feature.

To start the tool, slide the lock-off lever in the direction of the arrow and pull the trigger. Release the trigger to stop.

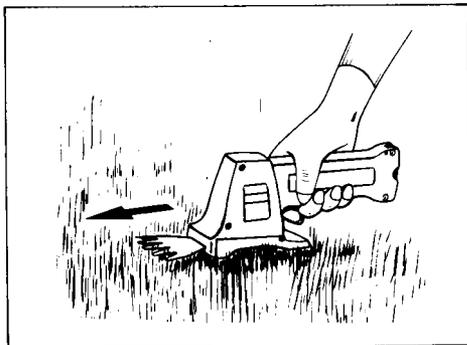


### CAUTION:

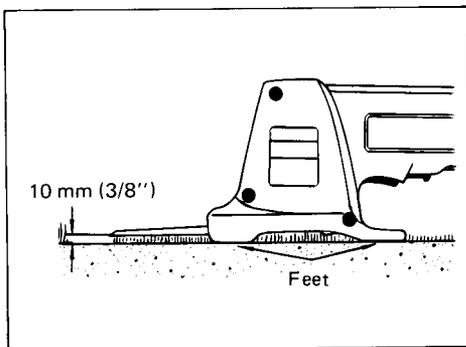
Before inserting the battery cartridge into the tool, always check to see that the trigger switch actuates properly and returns to the "OFF" position when released.

### Operation

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



This method will cause the grass to be evenly trimmed about 10 mm (3/8") above the ground.



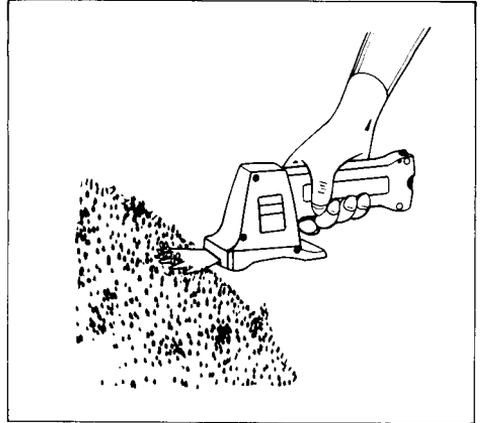
### CAUTION:

Do not contact the ground with the blades, or 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.

**NOTE :**

You can expect up to 45 minutes running time on a single charge.



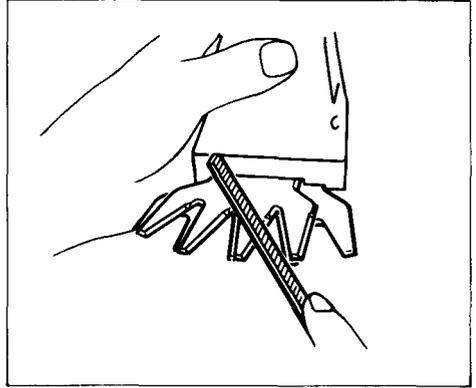
## MAINTENANCE

### CAUTION:

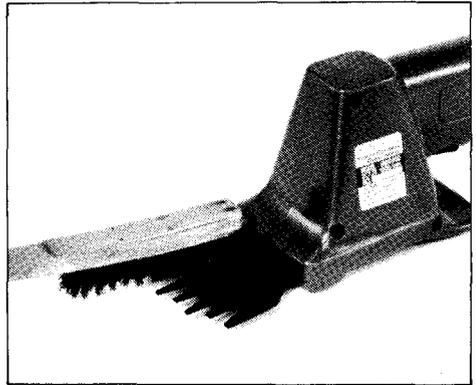
Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

### Blade maintenance

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.

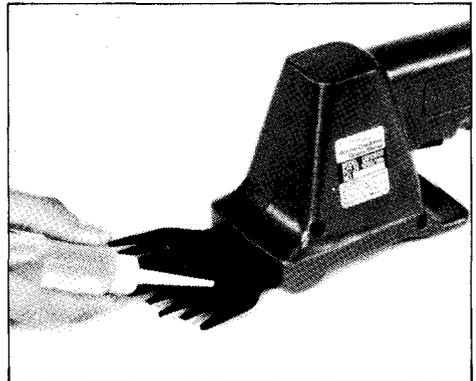


After operation, clean off the blades (both sides) with a stiff brush. Then wipe the blades with a cloth and coat them with light machine oil.



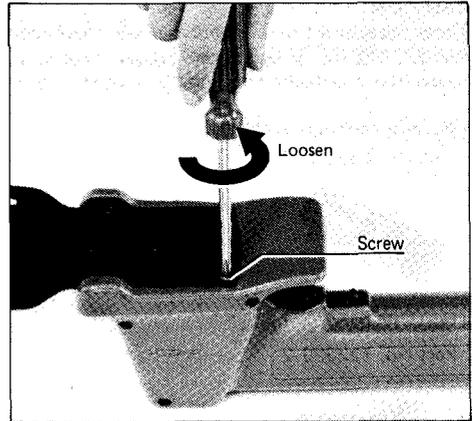
### CAUTION:

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

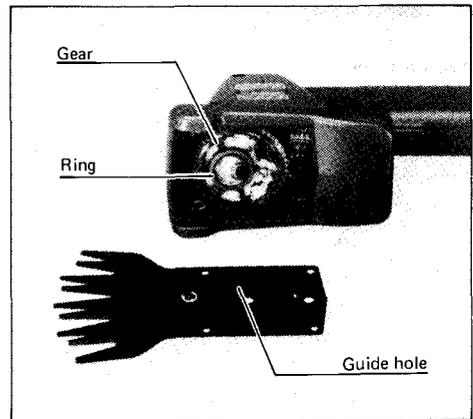


### Removing or installing blade

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, any other maintenance of adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

## 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**

Part No. 632003-2



- **Shear blade assembly**

Part No. 122292-2



- **Blade cover**

Part No. 410540-4



- **Fast charger**

Model DC7100



- **Battery holster**

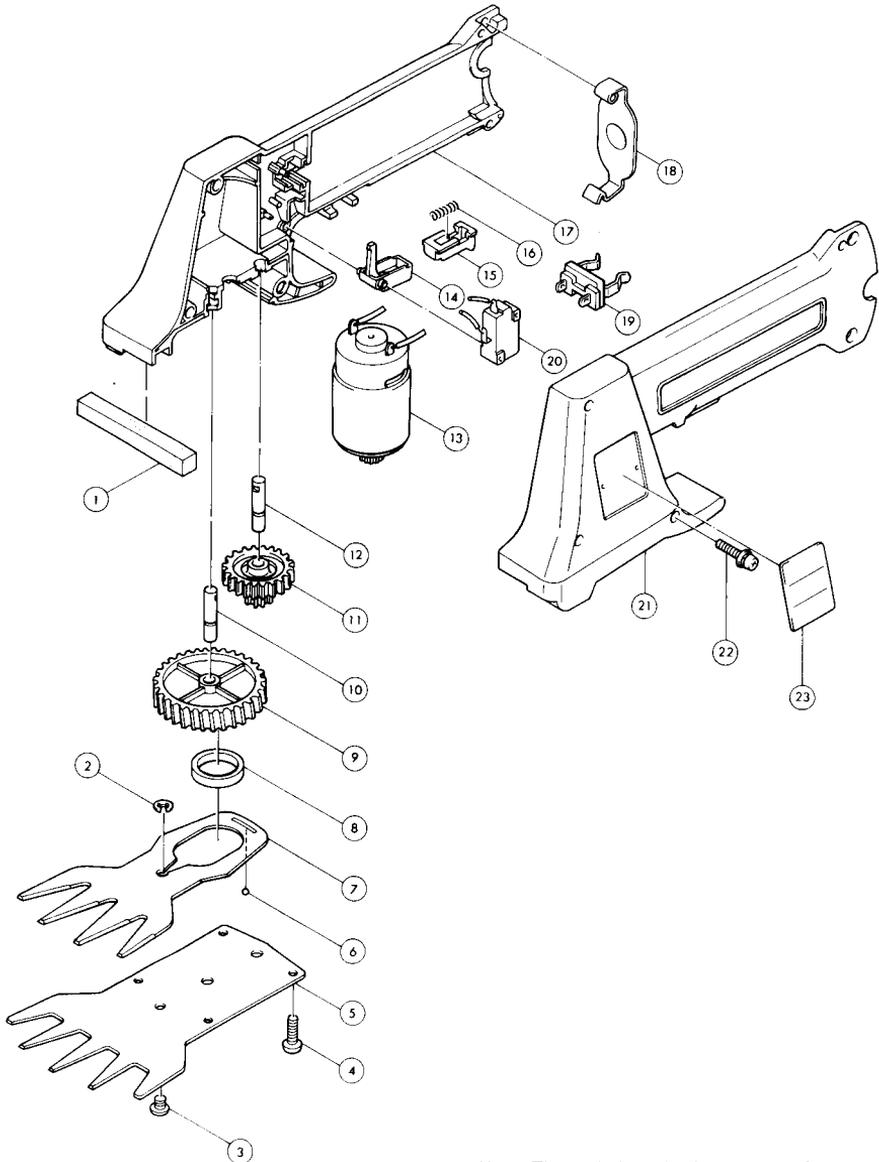
Holster holds extra battery.

Part No. 823033-3C




**Makita**

# 100 mm (4") CORDLESS GRASS SHEAR Model UM1000D



Note: The switch and other part configurations may differ from country to country.



ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<b>MACHINE</b>			<b>MACHINE</b>		
1	1	Sponge Seal	13	1	Motor
2	1	Stop Ring E-4	14	1	Switch Lever
3	1	Pin 5	15	1	Lock-off Lever
4	4	Pan Head Screw M4x15	16	1	Compression Spring 3
5	1	Shear Blade B	17	1	Housing R
6	1	Steel Ball 3.5	18	1	Set Plate
7	1	Shear Blade A	19	1	Battery Holder
8	1	Ring 21	20	1	Switch
9	1	Helical Gear 52	21	1	Housing L
10	1	Shaft	22	5	Pan Head Screw M4x22 (With Washer)
11	1	Gear 14-34	23	1	Name Plate
12	1	Shaft			

Note: The switch and other part specifications 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.



**Makita Electric Works, Ltd.**

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