

Manual # 443



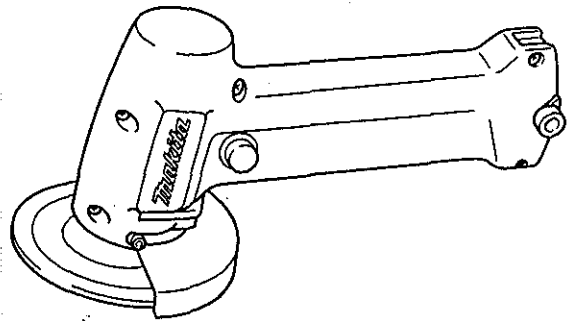
06334001

Machine Type: 06 334

Angle Grinder 100mm
Cordless.

Cordless Grinder

MODEL 9500D



001017

INSTRUCTION MANUAL

⚠ WARNING:

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

SPECIFICATIONS

Model	9500D
Wheel diameter	100 mm
No load speed (min ⁻¹)	5,500
Overall length	225 mm
Net weight	1.0 kg
Rated voltage	D.C.7.2V

- Due to our continuing programme of research and development, the specifications herein are subject to change without notice.

- Note: Specifications may differ from country to country.

Intended use

The tool is intended for grinding ferrous materials.

For European countries only

Noise and Vibration
The typical A-weighted sound pressure level is not more than 70 dB (A).

The noise level under working may exceed 85 dB (A).

– Wear ear protection.

The typical weighted root mean square acceleration value is not more than 2.5 m/s².

EC-DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product is in compliance with the following standards of standardized documents, EN50260, EN55014 in accordance with Council Directives, 89/336/EEC, 99/37/EC.

Yasuhiko Kanazaki CE 2003

YK

Director

MAKITA INTERNATIONAL EUROPE LTD.
Michigan Drive, Tongwell, Milton Keynes, Bucks MK15 8JD, ENGLAND

SAFETY INSTRUCTIONS

ENMA002-2

⚠ WARNING:
When using battery operated tools basic safety precautions, including the following, should be followed to reduce the risk of fire, leaking batteries and personal injury: **Read these instructions before operating this product and save these instructions.**

For safe operators:

1. Keep work area clean. Cluttered areas and benches invite injuries.
2. Consider the work environment. Do not expose the tool to rain. Keep work area well lit. Do not use tools in the presence of flammable liquids or gases.
3. Keep children away. Do not let visitors touch the tool. Keep visitors away from work area.
4. Store batteries or idle tools. When not in use, tools and batteries should be stored separately in a dry, high or locked up place, out of reach of children.

Ensure that battery terminals cannot be shorted by other metal parts such as screws, nails, etc.

5. Do not force the tool. It will do the job better and safer at the rate for which it was intended.

6. Use the right tool. Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for purposes not intended.

7. Dress properly. Do not wear loose clothing or jewellery, they can be caught in moving parts. Non-skid footwear is recommended when working outdoors. Wear protecting hair covering to contain long hair.

8. Use protective equipment. Use safety glasses and if the cutting operation is dusty, a face or dust mask.

9. Connect dust extraction equipment. If devices are provided for the connection of dust extraction and collection ensure these are connected and properly used.

10. Do not abuse the supply cord (if fitted). Never carry the tool by the cord or yank it to disconnect from the socket. Keep the cord away from heat, oil and sharp edges.

11. Secure the work. Use clamps or a vice to hold the work. It is safer than using your hand and it frees both hands to operate the tool.

12. Do not over-reach. Keep proper footing and balance at all times.

13. Maintain tools with care. Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cords periodically and if damaged have repaired by an authorized service facility.

14. Disconnect tools. Where the design permits, disconnect the tool from its battery pack when not in use, before servicing and when changing accessories such as blades, bits and cutters.

15. Remove adjusting keys and wrenches. Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

16. Avoid unintentional starting. Do not carry the tool with a finger on the switch.

17. Stay alert. Watch what you are doing. Use common sense. Do not operate the tool when you are tired.

18. Check damaged parts. Before further use of the tool, 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, free running 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 facility unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.

19. Warning. The use of any accessory or attachment, other than recommended in this instruction manual or the catalog, may present a risk of personal injury. Ensure that the battery pack is correct for the tool. Ensure that the outside surface of battery pack or tool is clean and dry before plugging into charger. Ensure that batteries are charged using the correct charger recommended by the manufacturer. Incorrect use may result in a risk of electric shock, overheating or leakage of corrosive liquid from the battery.

20. Have your tool repaired by a qualified person. This tool is constructed in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

21. Disposal of battery. Ensure battery is disposed of safely as instructed by the manufacturer.

ADDITIONAL SAFETY RULES

ENB031-6

1. Always use eye and ear protection. Other personal protective equipment such as dust mask, gloves, helmet and apron should be worn.

2. Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

3. Keep guards in place.

4. Use only wheels with correct size and wheels having a maximum operating speed at least as high as the highest No Load Speed marked on the tool's nameplate. When using depressed center wheels, be sure to use only fiberglass-reinforced wheels.

5. Check the wheel carefully for cracks or damage before operation. Replace cracked or damaged wheel immediately.

6. Observe the instructions of the manufacturer for correct mounting and use of wheels. Handle and store wheels with care.

7. Do not use separate reducing bushings or adaptors to adapt large hole abrasive wheels.

8. Use only flanges specified for this tool.

9. Do not damage the spindle, the flange (especially the installing surface) or the lock nut. Damage to these parts could result in wheel breakage.

10. For tools intended to be fitted with threaded hole wheel, ensure that the thread in the wheel is long enough to accept the spindle length.
11. Before using the tool on an actual workpiece, test run the tool at the highest no load speed for at least 30 seconds in a safe position. Stop immediately if there is any vibration or wobbling that could indicate poor installation or a poorly balanced wheel. Check the tool to determine the cause.
12. Check that the workpiece is properly supported.
13. Hold the tool firmly.
14. Keep hands away from rotating parts.
15. Make sure the wheel is not contacting the workpiece before the switch is turned on.
16. Use the specified surface of the wheel to perform the grinding.
17. Do not use cutting off wheel for side grinding.
18. Watch out for flying sparks. Hold the tool so that sparks fly away from you and other persons or flammable materials.
19. Pay attention that the wheel continues to rotate after the tool is switched off.
20. Do not touch the workpiece immediately after operation; it may be extremely hot and could burn your skin.
21. Position the tool so that the power cord always stays behind the machine during operation.
22. If working place is extremely hot and humid, or badly polluted by conductive dust, use a short-circuit breaker (30 mA) to assure operator safety.
23. Do not use the tool on any materials containing asbestos.
24. Do not use water or grinding lubricant.
25. Ensure that ventilation openings are kept clear when working in dusty conditions. If it should become necessary to clear dust, first disconnect the tool from the mains supply (use non metallic objects) and avoid damaging internal parts.
26. When use cut-off wheel, always work with the dust collecting wheel guard required by domestic regulation.
27. Cutting discs must not be subjected to any lateral pressure.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CARTRIDGE

ENC004-1

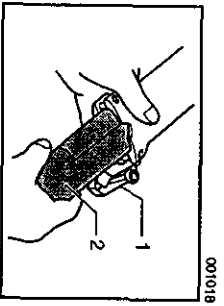
1. Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
 2. Do not disassemble battery cartridge.
 3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, 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. Always cover the battery terminals with the battery cover when the battery cartridge is not used.
 6. Do not short the battery cartridge:
 7. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50°C (122°F).
 8. 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.
 9. Be careful not to drop or strike battery.
 - (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.

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.
4. Charge the Nickel Metal Hydride battery cartridge when you do not use it for more than six months.

FUNCTIONAL DESCRIPTION

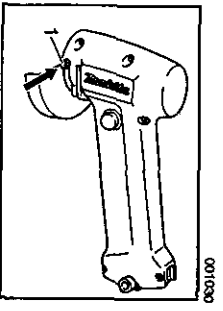


1. Set Plate
2. Battery cartridge

- ⚠ **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

- 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 to prevent the battery cartridge from accidentally falling out of 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.

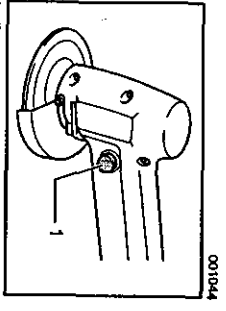


1. Shaft lock

- ⚠ **CAUTION:**
- Never actuate the shaft lock when the spindle is moving. The tool may be damaged.
 - Press the shaft lock to prevent spindle rotation when installing or removing accessories.

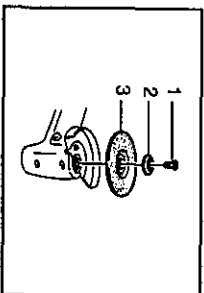
Shaft lock

Switch action



- ⚠ **CAUTION:**
- Before inserting the battery cartridge into the tool, always check to see that the switch button actuates properly.
 - Switch can be locked in "ON" position for ease of operator comfort during extended use. Apply caution when locking tool in "ON" position and maintain firm grasp on tool.
- To start the tool, simply press the switch button. Release the switch button to stop. For continuous operation, press the switch button fully, then release it. To stop the tool from the locked position, press the switch button fully again, then release it.

ASSEMBLY



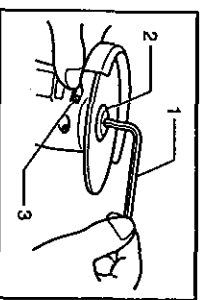
1. Screw
2. Outer flange
3. Depressed center wheel

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

Installing or removing depressed center wheel

- ⚠ **CAUTION:**
- Always be sure that the tool is switched off and the battery cartridge is removed before installing or removing the wheel.
 - Fit the wheel and outer flange onto the spindle and temporarily secure with the screw.
 - To tighten the screw, press the shaft lock firmly so that the spindle cannot revolve, then use the hex wrench to securely tighten the screw clockwise.

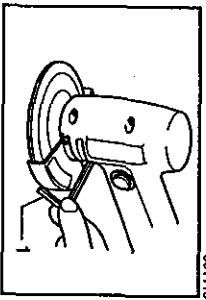
To remove the wheel, follow the installation procedure in reverse.



1. Hex wrench
2. Screw
3. Shaft lock

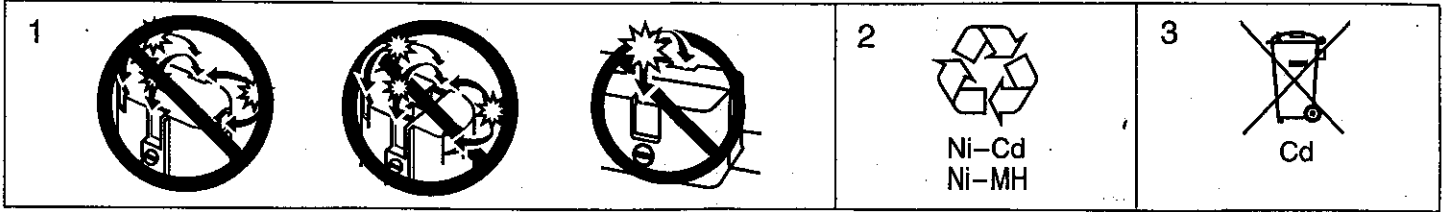
Hex wrench storage

When not in use, store the hex wrench as shown in the figure to keep it from being lost.



1. Hex wrench

本產品在歐洲、日本、美國均有售。如有任何疑難，請向最近之 Makita 經銷商或服務中心查詢。



SYMBOLS ON MAKITA BATTERIES

Makita batteries are indicated with symbols.
Be sure that you understand their meaning before use.

Meaning of Symbols (1-3):

1. Do not short batteries.
2. Always recycle batteries.
3. Do not discard batteries into garbage can or the like.

Note:

The recycling method may differ from country to country, or state (province) to state (province). Consult with your nearest Makita Authorized Service Center or Distributor.