

Makita®

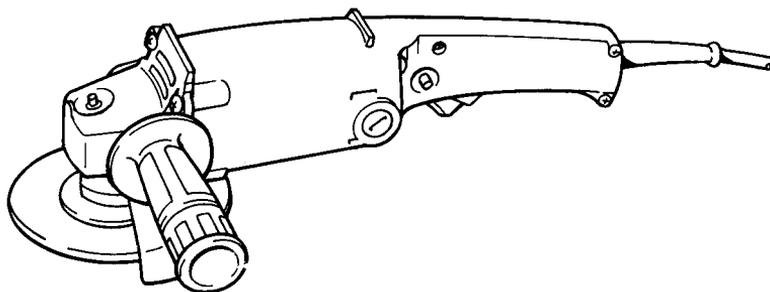
AMERICA

Disc Grinder

125 mm (5'') MODEL 9005B

125 mm (5'') MODEL 9005BZ

INSTRUCTION MANUAL



 **DOUBLE
INSULATION**

SPECIFICATIONS

No load speed (RPM)	AMPS (115 V)	Overall length	Net weight	Power supply cord	Spindle thread
10,000/min.	9 A	356 mm (14'')	3 kg (6.6 lbs)	2.5 m (8.2 ft.)	5/8-11 UNC

• Manufacturer reserves the right to change specifications without notice.

* Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

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. KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
- 2. CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
- 3. KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
- 4. STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
- 5. DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
- 6. USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended; for example, don't use circular saw for cutting tree limbs or logs.
- 7. DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- 8. USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
- 9. DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- 10. SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- 11. DON'T OVERREACH.** Keep proper footing and balance at all times.
- 12. MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
- 13. DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

- 14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- 15. **AVOID UNINTENTIONAL STARTING.** Don't carry tool with finger on switch. Be sure switch is OFF when plugging in.
- 16. **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

TABLE 1 MINIMUM GAGE FOR CORD SETS

			Total Length of Cord in Feet			
			0 – 25	26 – 50	51 – 100	101 – 150
Ampere Rating More Than	Not More Than		A W G			
0	–	6	18	16	16	14
6	–	10	18	16	14	12
10	–	12	16	16	14	12
12	–	16	14	12	Not Recommended	

- 17. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- 18. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
- 19. **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, binding of moving parts, breakage of parts, mounting, and any other conditions 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 otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
- 20. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
- 21. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
- 22. **POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate rating is harmful to the motor.

SAVE THESE INSTRUCTIONS.

Precautions in use

- Check for cracks in the depressed center wheel and for loose or missing screws.
- Always use the guard. It can prevent an accident if a wheel should ever break.
- Before using the disc grinder on an actual workpiece, let it simply run for several minutes first. Watch for flutter that might be caused by poor installation or a poorly balanced wheel.
- Choose a wheel grade in terms of the workpiece material.

How to use

Installing the depressed center wheel

Unplug the tool from the power source and perform the following steps:

1. Place the depressed center wheel flange on the spindle. (Fig. 1)
2. Fit the depressed center grinding wheel over the flange. (Fig. 1)
3. Screw the lock nut onto the spindle. (Fig. 1)

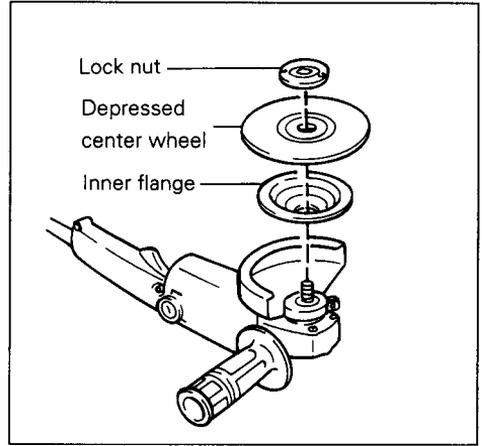


Fig. 1

4. To tighten the wheel lock nut, lock the shaft in place by depressing with your index finger the pin on the lower front of the tool so that it cannot rotate, then use the lock nut wrench and tighten firmly in clockwise direction. (Fig. 2)

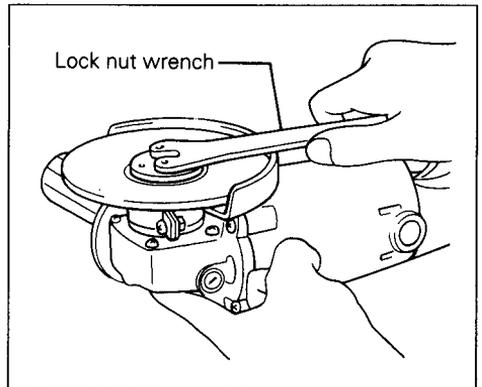


Fig. 2

Switch action

CAUTION:

Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

For Model 9005B

To start the tool, simply pull the trigger. Release the trigger to stop.

For continuous operation, pull the trigger and then push in the lock button. To stop the tool from the locked position, pull the trigger fully, then release it.

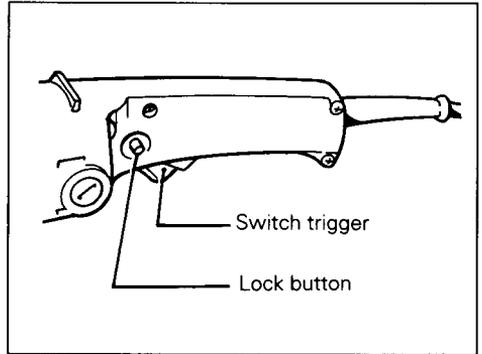


Fig. 3

For Model 9005BZ

To start the tool, simply pull the trigger. Release the trigger to stop.

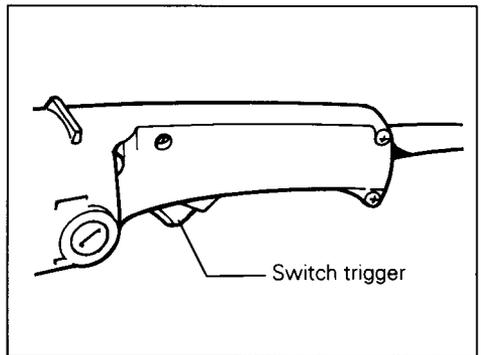


Fig. 4

OPERATION

CAUTION:

After use, always switch off and wait for the wheel to come to a complete stop before placing the tool down.

Hold the tool firmly. Turn the tool on and then apply the wheel or disc to the workpiece.

In general, keep the edge of the wheel or disc at an angle of about 15° to the workpiece surface.

During the break-in period with a new wheel, do not work the grinder in the B direction or it will cut into the workpiece. Once the edge on the wheel has been rounded off by use, the wheel may be worked in both A and B direction.

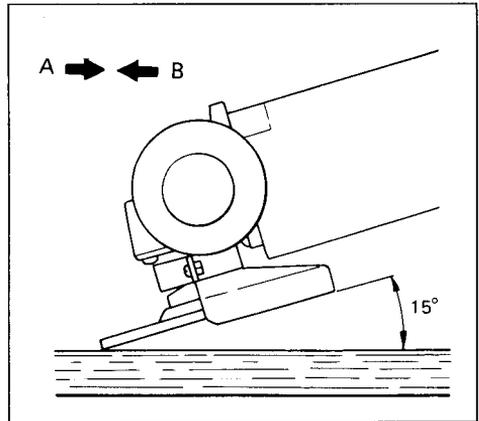


Fig. 5

WARNING:

- It should never be necessary to force the tool. The weight of the tool applies adequate pressure. Forcing and excessive pressure could cause dangerous wheel breakage.
- Continued use of a worn-out wheel may result in wheel explosion and serious personal injury. Depressed center wheel should not be used after it has been worn down to 90 mm (3-1/2") in diameter. Use of the wheel after this point is unsafe and it should be removed from service and rendered unusable by intentional destruction.

MAINTENANCE

CAUTION:

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

Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

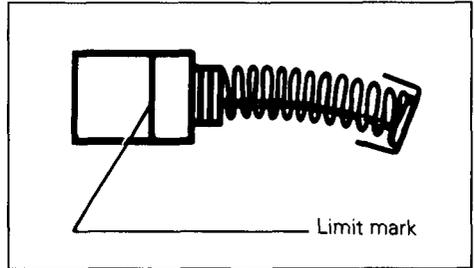


Fig. 6

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

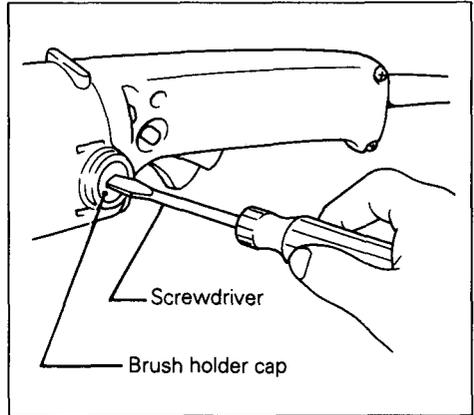


Fig. 7

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

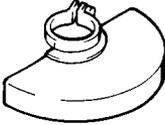
ACCESSORIES

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.

• **Wheel cover assembly**

Part No. 134219-0



• **Inner flange 82**

(For depressed center wheel)
Part No. 224361-6



• **Depressed center wheel**



Part No.	Grit	Size (mm)
741407-8	24	125 x 6 x 22 (5" x 1/4" x 7/8")

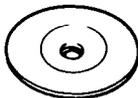
• **Lock nut 5/8-40**

(For depressed center wheel)
Part No. 224509-0

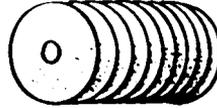


• **Rubber pad 115 mm (4-5/8")**

Part No. 743015-1



• **Abrasive discs 125 mm (5")**



Part No.	Grit	Discs per pkg
742072-A-5	24	10
742073-A-5	36	
742074-A-5	50	
742075-A-5	80	
742076-A-5	100	

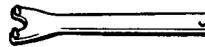
• **Lock nut 5/8-48**

(For abrasive discs)
Part No. 224517-1



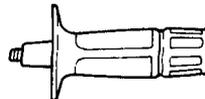
• **Lock nut wrench 28**

Part No. 782412-7

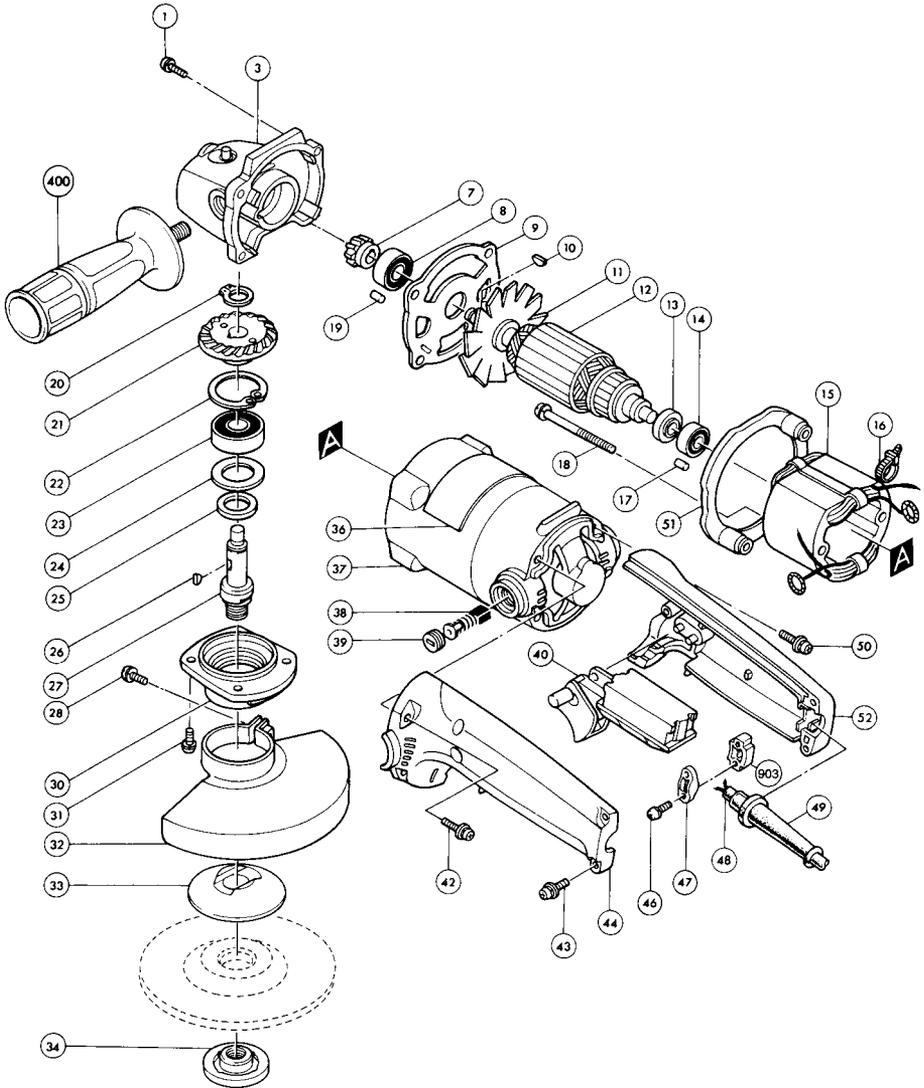


• **Grip (36)**

Part No. 152492-0



125 mm (5") DISC GRINDER Model 9005B Model 9005BZ



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

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<u>MACHINE</u>			<u>MACHINE</u>		
1	4	Pan Head Screw M5x25 (With Washer)	28	1	Pan Head Screw M5x16
3	1	Gear Housing	30	1	Bearing Box
7	1	Spiral Bevel Gear 13	31	4	Hex' Socket Head Bolt M4x14
8	1	Ball Bearing 6000DDW	32	1	Wheel Cover
9	1	Plate	33	1	Inner Flange
10	1	Woodruff Key 3	34	1	Lock Nut
11	1	Fan 70	36	1	Name Plate
12	1	ARMATURE ASSEMBLY (With Item 11 — 14)	37	1	Motor Housing
13	1	Insulation Washer	38	2	Carbon Brush
14	1	Ball Bearing 608DDW	39	2	Brush Holder Cap
15	1	FIELD ASSEMBLY	40	1	Switch
17	1	Rubber Pin 4	42	2	Pan Head Screw M5x28 (With Washer)
18	2	Pan Head Screw M5x65 (With Washer & Bond)	43	3	Pan Head Screw M4x22 (With Washer)
19	1	Rubber Pin 4	44	1	Handle Set (With Item 52)
20	1	Retaining Ring S - 12	46	2	Tapping Screw M4x18
21	1	Spiral Bevel Gear 34	47	1	Strain Relief
22	1	Retaining Ring R - 32	48	1	Cord
23	1	Ball Bearing 6201DDW	49	1	Cord Guard
24	1	Flat Washer 21	50	2	Pan Head Screw M5x28 (With Washer)
25	1	Felt Ring 20	51	1	Baffle Plate
26	1	Woodruff Key 3	52	1	Handle Set (With Item 44)
27	1	Spindle	400	1	Grip 36
			903	1	Strain Relief

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.

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