



Makita

Wheel Sander

Equipped with Electric Brake

MODEL 9741

INSTRUCTION MANUAL



**DOUBLE
INSULATION**

SPECIFICATIONS

Wheel size (Diameter x Width)	No load speed (RPM)	Dimensions (L x W x H)	Net weight
100 mm x 120 mm (4" x 4-3/4")	3,500	310 mm x 185 mm x 182 mm (12-1/4" x 7-1/4" x 7-1/8")	4.2 kg (9.2 lbs)

- 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. 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.
- 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 plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.
16. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
17. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate 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, 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.
19. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
20. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.

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.

ADDITIONAL SAFETY RULES

1. Inspect for and remove foreign matter such as nails, screws, etc. from the workpiece surface before operation.
2. Do not wear gloves during operation.
3. Hold the tool firmly with both hands.
4. Keep hands away from rotating parts.
5. Do not leave the tool running. Operate the tool only when hand-held.
6. Never attempt to use with the tool held upside down in a vise, etc.

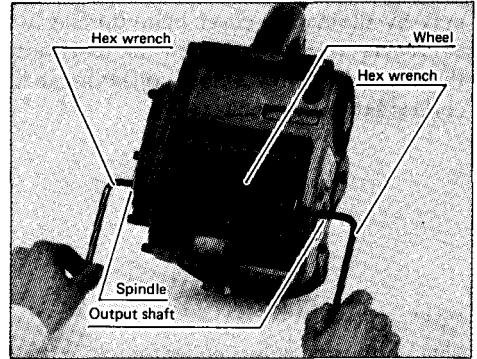
SAVE THESE INSTRUCTIONS.

Removing or installing wheel

CAUTION:

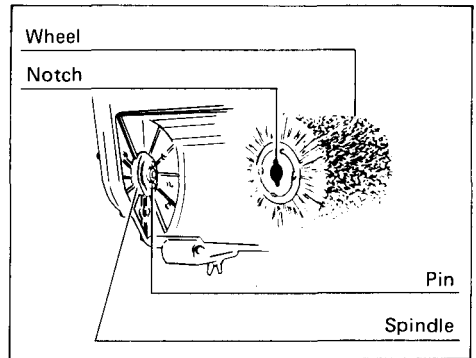
Always be sure that the tool is switched off and unplugged before removing or installing the wheel.

To remove the wheel, insert one hex wrench into the end of the spindle and another hex wrench into the end of the output shaft. Turn the hex wrench in the output shaft clockwise while securely holding the hex wrench in the spindle so that the wheel cannot revolve. Pull the output shaft out from the wheel. Move the wheel slightly away from the spindle and remove the wheel from the tool.



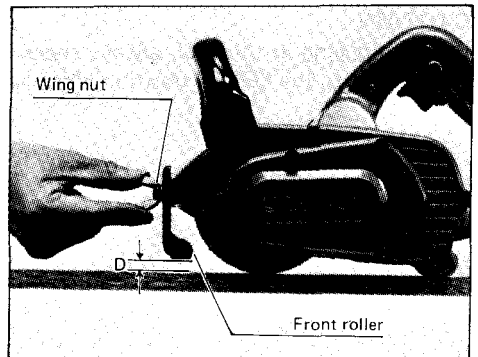
CAUTION: The output shaft has a left hand thread.

To install the wheel, follow the removal procedures in reverse. When installing it, be sure to align the notches in the wheel with the pins on the spindle.



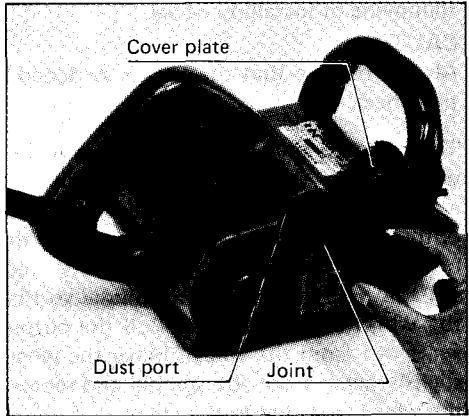
Adjusting front roller

The front roller allows you to apply uniform pressure to the workpiece. To adjust the front roller, set the tool on a flat surface and loosen the wing nut. Adjust the front roller up or down until the clearance distance (D) is about 2 mm (5/64"). Tighten the wing nut securely.



Connecting to dust collector (Optional accessory)

The use of a dust collector makes sanding operations clean and dust collection easy. To connect a dust collector, open the dust port by sliding the cover plate up and in a clockwise direction. Attach the joint onto the dust port. Now a dust collector can be connected to this tool.

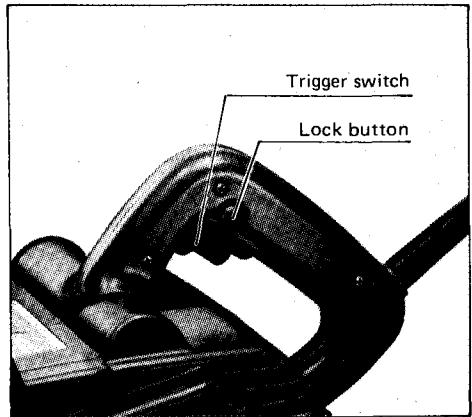


CAUTION:

When not using a dust collector, close the dust port opening with the cover plate.

Switch action

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.

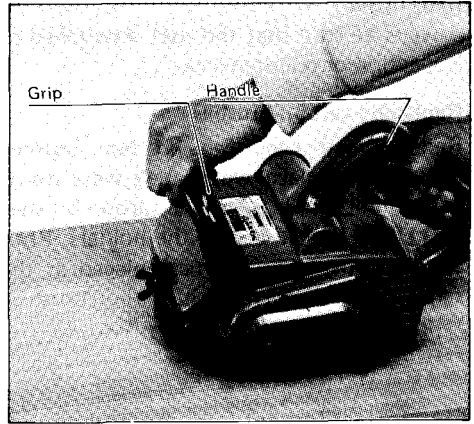


CAUTION:

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

Operation

Hold the tool firmly with both hands on the handle and the grip in front. Place the tool on the workpiece surface and move the tool gently forward and backward while applying slight downward pressure.



CAUTION:

- The tool should not be in contact with the workpiece surface when you turn the tool on or off. Damage to the tool or the workpiece surface and injury to the operator may result.
- Apply slight downward pressure only. Excessive pressure may decrease tool efficiency, shorten wheel service life and possibly gouge the workpiece surface.

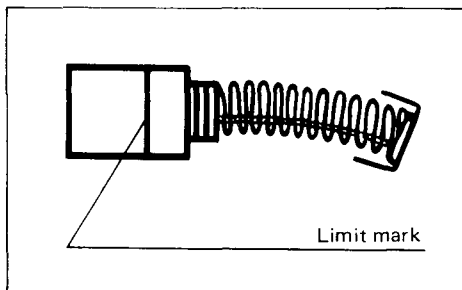
MAINTENANCE

CAUTION:

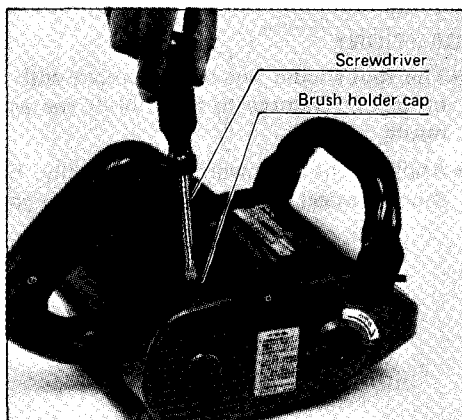
Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

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 Makita carbon brushes.



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.



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.

● Joint

Part No. 410899-9



● Hex wrench

Part No. 783204-6



● Nylon brush wheel



Part No.	Grit	Width
794384-3	80	120 mm (4-3/4")
794379-6	100	
794383-5	240	

If the sanding action of the nylon brush wheel begins to diminish, dress the wheel by sanding soft wood for several minutes.

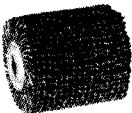
● Cotton buff wheel 120

Part No. 794381-9



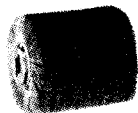
● Wheel 120-40

Part No. 794380-1



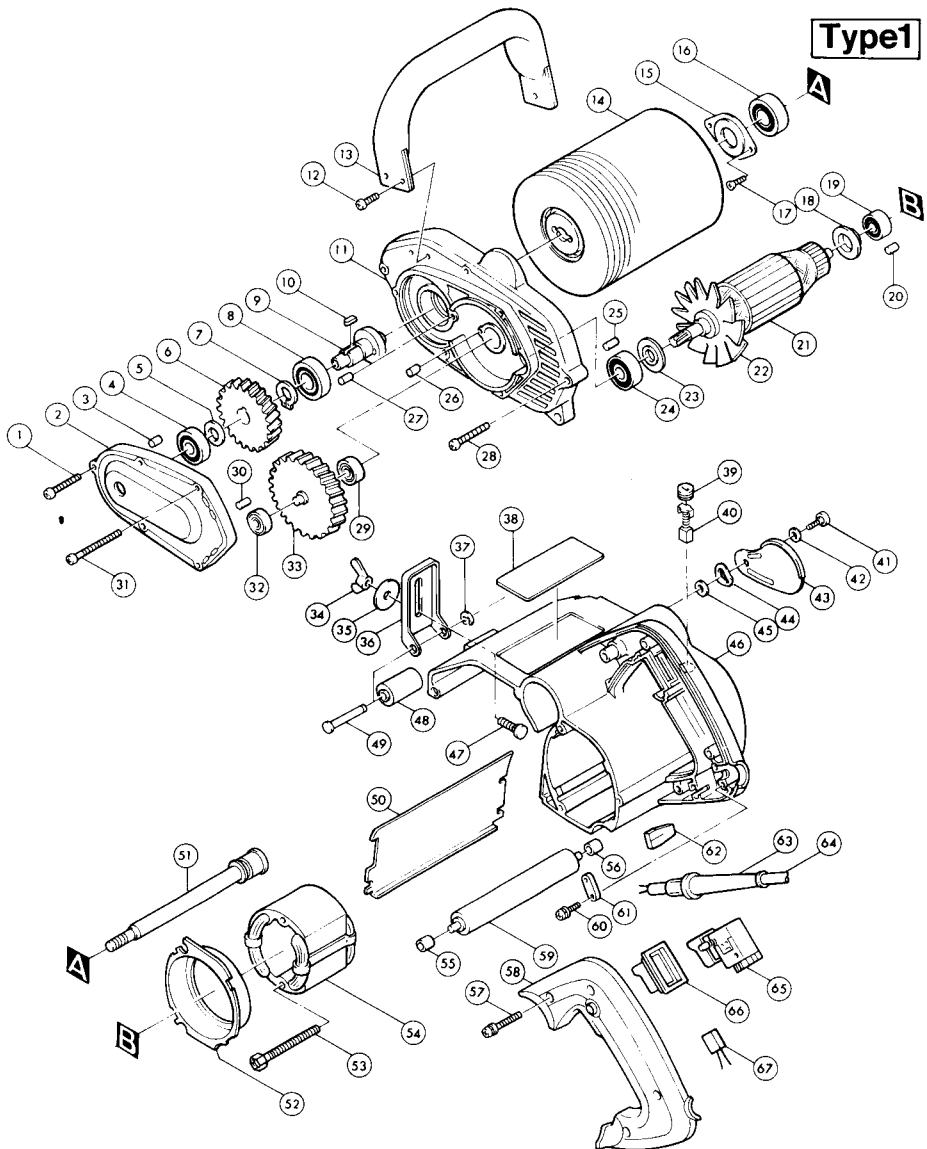
● Wire brush wheel 120

Part No. 794382-7





WHEEL SANDER Model 9741



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

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	3	Pan Head Screw M5x28	34	1	Wing Nut M6
2	1	Gear Housing Cover	35	1	Flat Washer 6
3	1	Rubber Pin 4	36	1	Depth Guide
4	1	Ball Bearing 6001LLB	37	1	Stop Ring E—5
5	1	Flat Washer 12	38	1	Name Plate
6	1	Helical Gear 53	39	2	Brush Holder Cap
7	1	Retaining Ring S—15	40	2	Carbon Brush
8	1	Ball Bearing 6002DDW	41	1	Pan Head Screw M4
9	1	Spindle	42	1	Thin Washer 6
10	1	Key 4	43	1	Cover Plate
11	1	Gear Housing	44	1	Wave Washer 15
12	3	Pan Head Screw M5x14	45	1	Flat Washer 4
13	1	Grip	46	1	Housing
14	1	Wheel	47	1	Cap Square Neck Bolt M6x20
15	1	Bearing Retainer 44	48	1	Front Roller
16	1	Ball Bearing 6003DDW	49	1	Pin 7
17	2	Countersunk Head Screw M4x14	50	1	Plate
18	1	Insulation Washer	51	1	Arbor
19	1	Ball Bearing 608LLB	52	1	Baffle Plate
20	1	Rubber Pin 4	53	2	Hex. Bolt M5x60 (With Washer)
21	1	ARMATURE ASSEMBLY (With Item 18, 19 & 21 — 24)	54	1	FIELD ASSEMBLY
22	1	Fan 68	55	1	Sleeve 6
23	1	Dust Seal 10	56	1	Sleeve 6
24	1	Ball Bearing 6000LLB	57	4	Pan Head Screw M4x28 (With Washer)
25	1	Rubber Pin 4	58	1	Handle Cover
26	1	Rubber Pin 4	59	1	Roller
27	1	Rubber Pin 6	60	2	Pan Head Screw M4x18 (With Washer)
28	3	Pan Head Screw M5x35	61	1	Strain Relief
29	1	Ball Bearing 626	62	1	Sponge Seal
30	1	Rubber Pin 4	63	1	Cord Guard
31	2	Pan Head Screw M5x55	64	1	Cord
32	1	Ball Bearing 626	65	1	Switch
33	1	Gear 64	66	1	Switch Cover

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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