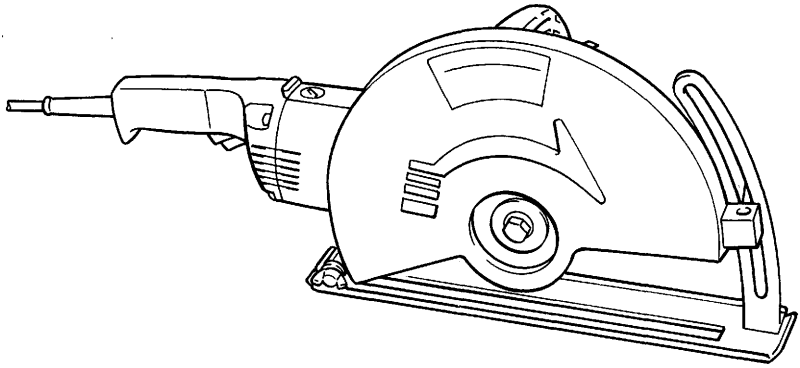
Angle Cutter

255 mm (10") MODEL 4110C

INSTRUCTION MANUAL



DOUBLE INSULATION

SPECIFICATIONS

Wheel diameter	Max. cutting capacity	No load speed (RPM)	Overall length	Net weight
255 mm (10")	75 mm (3")	3,500	620 mm (24-3/8")	9 kg (19.8 lbs)

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

IMPORTANT SAFETY INSTRUCTIONS

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.

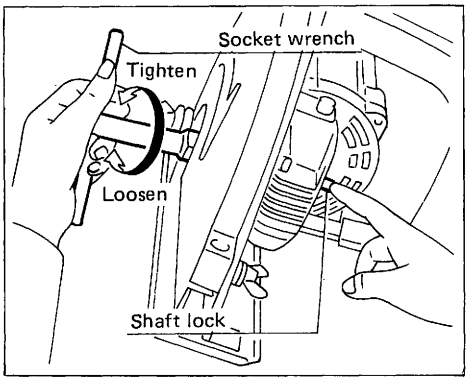
SAVE THESE INSTRUCTIONS.

Removing or installing diamond wheel or cut-off wheel

CAUTION:

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

To remove the wheel, press the shaft lock firmly so that the spindle cannot revolve, then loosen the hex bolt clockwise with the socket wrench. Then remove the flange, and wheel.

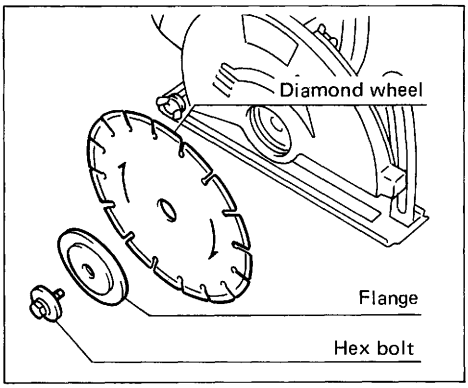


To install the wheel, follow the removal procedure in reverse.

BE SURE TO TIGHTEN THE HEX BOLT SECURELY.

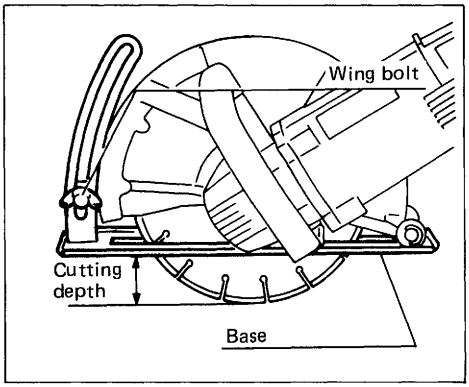
CAUTION:

Use only the Makita socket wrench to install or remove the wheel.



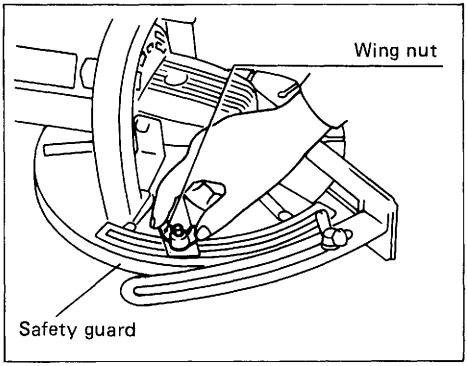
Cutting depth adjustment

1. Loosen the wing bolt.
2. Obtain the desired cutting depth.
3. Tighten the wing bolt.



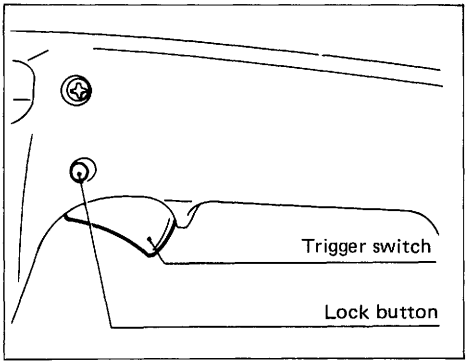
Securing safety guard

The safety guard can be adjusted about 80 degrees, after you loosen the wing nut. Adjust to the desired angle, then secure the wing nut.



Switch action

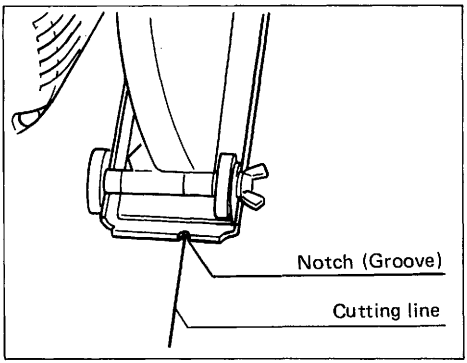
To start the tool, simply pull the trigger. Release the trigger to stop. For continuous operation, pull the trigger and then push in the lock button. To stop the tool from the locked position, pull the trigger fully, then release it.



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

The cut is made by pulling the tool toward you (not by pushing away from you). Align the notch on the base with your cutting line when performing a cut.



CAUTION:
Forcing and exerting excessive pressure or allowing the wheel to bend, pinch or twist in the cut can cause overheating of the motor and dangerous kickback of the tool.

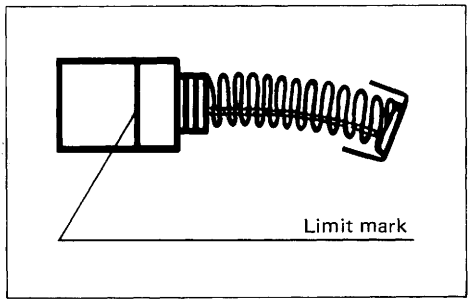
MAINTENANCE

CAUTION:

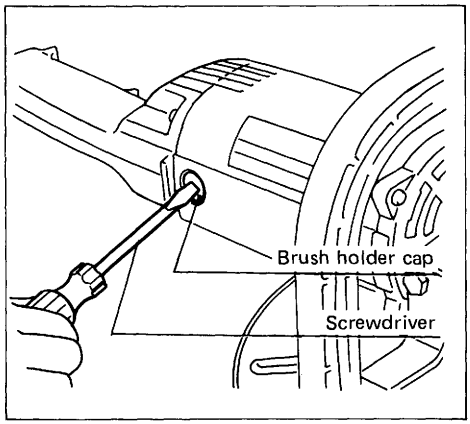
Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

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.



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.



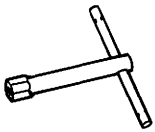
To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

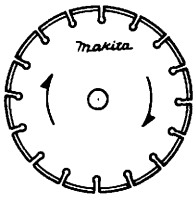
CAUTION:

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.

- **Socket wrench 17**
  Part No. 782210-8

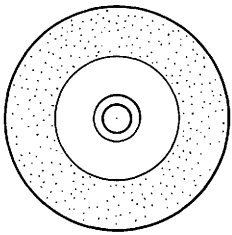


- **Diamond wheel**
  For all stone and masonry materials, tiles etc.



Part No.	Diameter (mm)	Hole diameter (mm)	Blade type
792290-6	255 (10")	1"	Dry

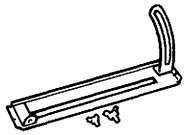
- **Abrasive cut-off wheel**
  For all ferrous materials (steel, cast iron) and other hard metals.
  Reinforced bond to reduce breakage.



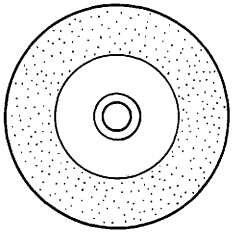
Part No.	Diameter (mm)	Hole diameter (mm)	Wheels per pkg
792301-7	305 (12")	1"	5

Reinforced with 3 pcs. of fiberglass.

- **Base set**
  Part No. JPA 122263
  (For obtaining the desired cutting depth)



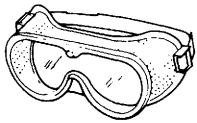
- **Abrasive cut-off wheel**
  For cutting masonry materials, concrete, marble, slate, etc.
  Reinforced bond to reduce breakage.



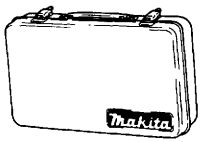
Part No.	Diameter (mm)	Hole diameter (mm)	Wheels per pkg
792293-0	305 (12")	1"	5

Reinforced with 3 pcs. of fiberglass.

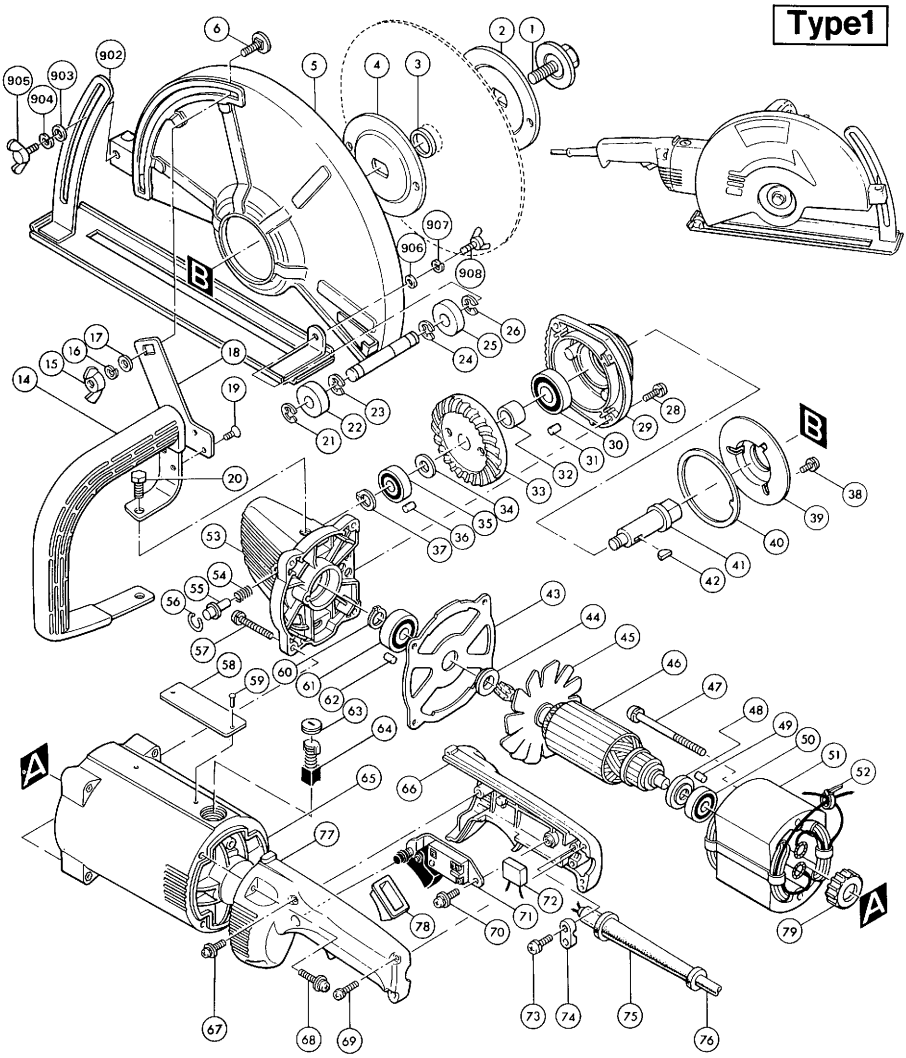
- **Safety goggle**
  Part No. 191686-2



- **Steel carrying case**
  Part No. 182528-1



255mm(10")
CUTTER
Model 4110C



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

ITEM NO.	NO. USED	DESCRIPTION
MACHINE		
1	1	Hex. Bolt M10x25
2	1	Inner Flange 100
3	1	Ring 20
4	1	Inner Flange 100
5	1	Safety Cover
6	1	Cap Square Neck Bolt M8x24
14	1	Grip
15	1	Wing Nut M8
16	1	Spring Washer 8
17	1	Flat Washer 8
18	1	Lock Plate
19	2	Countersunk Head Screw M5x8
20	2	Hex. Bolt M8x16
21	1	Stop Ring E–9
22	1	Ring 12
23	1	Stop Ring E–9
24	1	Stop Ring E–9
25	1	Ring 12
26	1	Stop Ring E–9
28	4	Hex. Socket Head Bolt M5x22 (With Washer)
29	1	Bearing Box
30	1	Ball Bearing 6203LLB
31	1	Rubber Pin 4
32	1	Sleeve 17
33	1	Spiral Bevel Gear 55
34	1	Flat Washer 10
35	1	Ball Bearing 6200LLB
36	1	Rubber Pin 4
37	1	Retaining Ring S–10
38	3	Pan Head Screw M5x10 (With Washer)
39	1	Pressure Plate
40	1	Plate B
41	1	Spindle
42	1	Woodruff Key 4
43	1	Baffle Plate
44	1	Bush 15
45	1	Fan 100
46	1	ARMATURE ASSEMBLY (With Item 44 – 46, 48 & 50)
47	2	Pan Head Screw M5x85 (With Washer)
48	1	Insulation Washer
49	1	Rubber Pin 4
50	1	Ball Bearing 6000DDW
51	1	FIELD ASSEMBLY
52	1	Band
53	1	Gear Housing
54	1	Compression Spring 7
55	1	Pin 6
56	1	Ring Spring 8
57	4	Pan Head Screw M5x40 (With Washer)
58	1	Name Plate
59	2	Rivet 0–5
60	1	Retaining Ring S–15
61	1	Ball Bearing 6202LLB
62	1	Rubber Pin 6
63	2	Brush Holder Cap
64	2	Carbon Brush
65	1	Motor Housing
66	1	Handle Set (With Item 77)
67	2	Pan Head Screw M4x25 (With Washer)
68	2	Pan Head Screw M5x28 (With Washer)
69	1	Pan Head Screw M4x25 (With Washer)
70	1	Pan Head Screw M4x6 (With Washer)
71	1	Switch
72	1	Noise Suppressor
73	1	Pan Head Screw M4x18 (With Washer)
74	1	Strain Relief
75	1	Cord Guard
76	1	Cord
77	1	Handle Set (With Item 66)
78	1	Dust Cover
79	1	Rubber Ring 26
902	1	Base Set
903	1	Flat Washer 8
904	1	Spring Washer 8
905	1	Wing Bolt M8x15
906	1	Flat Washer 6
907	1	Spring Washer 6
908	1	Wing Bolt M6x12

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

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