

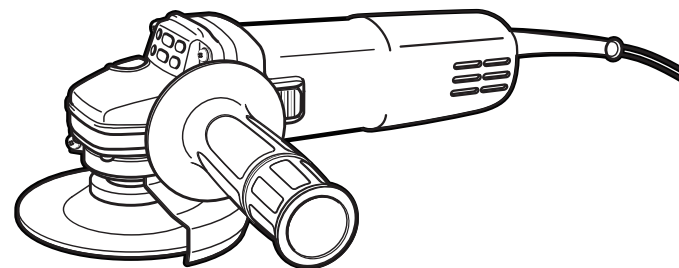


*Professional Series
For Industrial Use Only*



OPERATING MANUAL

ANGLE GRINDER



NBT-AG-100B NBT-AG-115B
NBT-AG-100BC NBT-AG-125BC

SPECIFICATIONS

Rated Voltage: 220-240V

Rated Frequency: 50/60Hz

Rated Input Power: 1000W

No-Load Speed: 11000r/min

Max Disc Diameter: 100/125mm

MADE IN CHINA



Read through carefully and understand
these instructions before use.

GENERAL SAFETY RULES

(For All Tools)

WARNING! Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

Work Area

1. **Keep area clean and well lit.** Cluttered areas and benches invite injuries.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool,** Distractions can cause you to lose control.

Electrical Safety

4. **Power tools must be plugged into an outlet properly installed or grounded in accordance with all codes and ordinances. Never modify the plug in any way. Do not use any adaptor plugs with grounded (earthed) power tools.** The original plug and proper outlet may reduce the risk of electric shock.
5. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts.** Replace damaged cords immediately. Damaged or entangled cords increase the risk of electric shock.
8. **When operating a power tool outside, use only extension cords intended for outdoors use.** These cords may reduce the risk of electric shock.

Personal Safety

9. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
10. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
11. **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
12. **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
13. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
14. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions Ordinary eye or sun glasses are NOT eye protection.
15. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce

dust-related hazards.

Tool Use and Care

- 16. Do not force tool. Use the correct tool for your application.** The correct tool will do the Job better and safer at the rate for which it is designed.
- 17. Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- 18. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- 19. Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- 20. Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
- 21. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.** If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
- 22. Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

Service

- 23. Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
- 24. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

VOLTAGE WARNING:

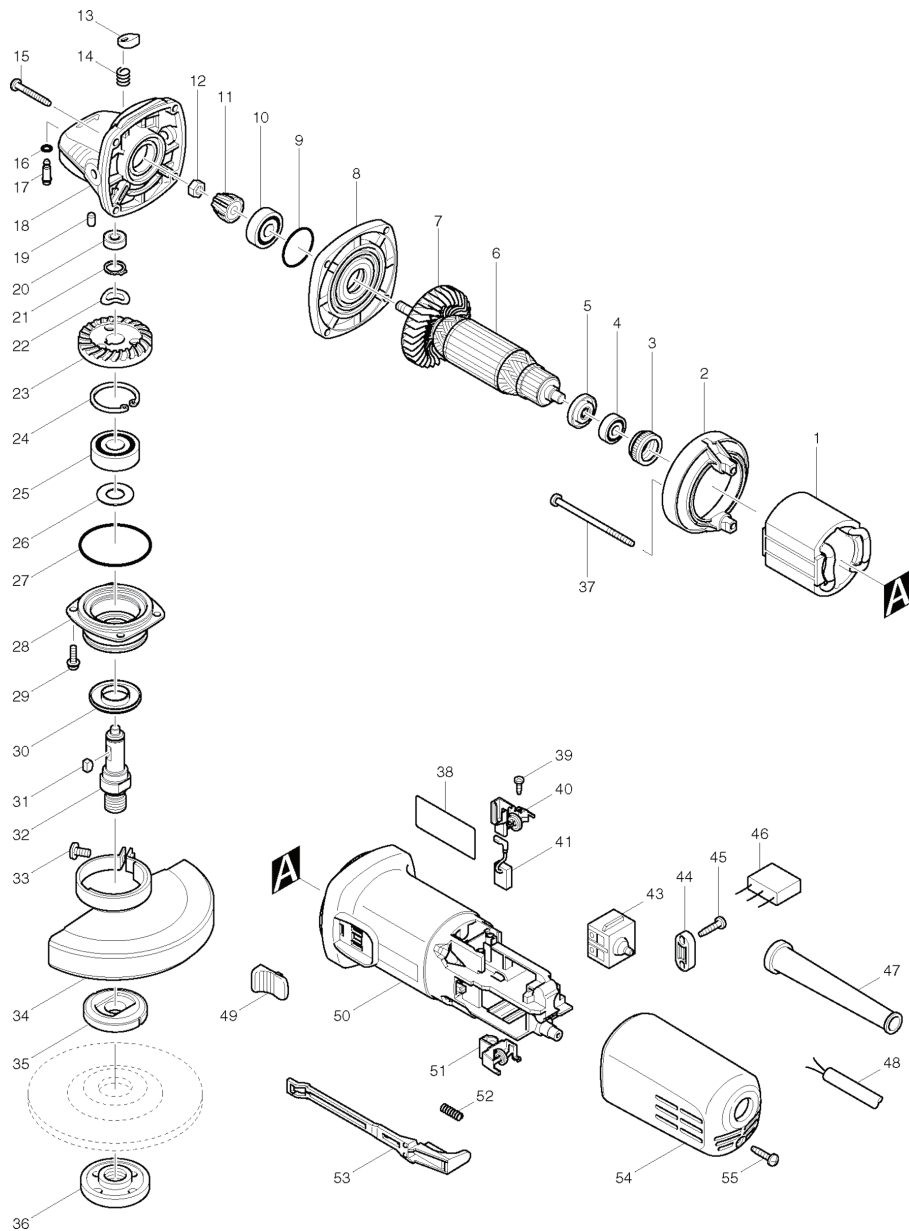
Before connecting the tool to a power source (receptacle, outlet, etc), be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in SERIOUS INJURY to the user, as well as damage to the tool.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

ADDITIONAL SAFETY RULES

1. Ensure that the power switch is in the OFF position and unplugged before carrying out any work on the tool.
2. Use your tool at a lower input than specified on the nameplate; otherwise the finish may be spoiled and working efficiency reduced by motor overload.
3. Never operate this power tool without wheel guard. Keep guards in place.
4. Use only wheels with maximum operating speed at least as high as "No-Load Speed" indicated on the power tool 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.

MAINTENANCE

1	FIELD 115V	32	SPINDLE
2	BAFFLE PLATE	33	P.H. SCREW M5X14
3	LABYRINTH RUBBER RING	34	WHEEL COVER ASS'Y
4	BALL BEARING 607LLB	35	INNER FLANGE 45
5	INSULATION WASHER	36	LOCK NUT 5/8-45
	RESIN WASHER		LOCK NUT 5/8-45
6	ARMATURE ASS'Y 115V	37	TAPPING SCREW 4X70
7	FAN 56		TAPPING SCREW 4X70
8	GEAR HOUSING COVER	38	NAME PLATE
9	O-RING 26	39	TAPPING SCREW 3X10
10	BALL BEARING 629LLB	40	BRUSH HOLDER
	BALL BEARING 629LLB	41	CARBON BRUSH SET, 195001-2
	BALL BEARING 629LLB		CARBON BRUSH SET, 195001-2
11	SPIRAL BEVEL GEAR 10		CARBON BRUSH CB325
12	HEX. NUT M6	43	SWITCH PS-10
13	PIN CAP		SWITCH DPX-2110-R
14	COMPRESSION SPRING 8	44	STRAIN RELIEF
15	TAPPING SCREW 4X30	45	TAPPING SCREW PT 4X18
16	O RING 5	47	CORD GUARD 8
17	SHOULDER PIN 4	48	CORD (2X18X8 SJ)
18	GEAR HOUSING		CORD
19	RUBBER PIN 4	49	SWITCH KNOB
20	BALL BEARING 696ZZ		SWITCH KNOB
21	RETAINING RING S-12	50	MOTOR HOUSING CPL.
22	WAVE WASHER 12	51	BRUSH HOLDER
23	SPIRAL BEVEL GEAR 37	52	COMP. SPRING 4
	SPIRAL BEVEL GEAR 37	53	SWITCH LEVER C
24	RETAINING RING R-32	54	REAR COVER
25	BALL BEARING 6201DDW	55	TAPPING SCREW PT 4X18
26	FLAT WASHER 12		GRIP 36
27	O RING 45		LOCK NUT WRENCH 28
28	BEARING BOX,		LOCK NUT WRENCH 28
29	P.H. SCREW M4X14		4-1/2" GRINDING WHEEL 25/PK
30	LABYRINTH RING		4 1/2 GRINDING WHEEL BULK
31	WOODRUFF KEY 4		



6. Use only flanges specified for this tool.
7. Be careful not to damage the spindle, flanges (especially the installing surface) or bolt. Damage to these parts could result in wheel breakage.
8. Keep hands away from rotating parts.
9. Make sure the wheel is not contacting the workpiece before the switch is turned on.
10. Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced wheel.
11. Watch out for flying sparks. Hold the tool so that sparks fly away from you and other persons or flammable materials.
12. Do not leave the revolving grinder unattended on the floor. Operate the tool only when hand-held.
13. Avoid overload operation. Stop operation immediately if you notice anything abnormal.
14. Do not push in the lock pin while the spindle is running.
15. Do not touch the workpiece immediately after operation; it may be extremely hot and could burn your skin.
16. Do not work with materials containing asbestos.
17. To ensure the designed operational integrity of power tools, do not remove installed covers or screws.
18. Be sure to use an earth-leakage circuit breaker (30mA), if work area is too hot and wet or poisoned by electric dust.

SAVE THESE INSTRUCTIONS.

WARNING! MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

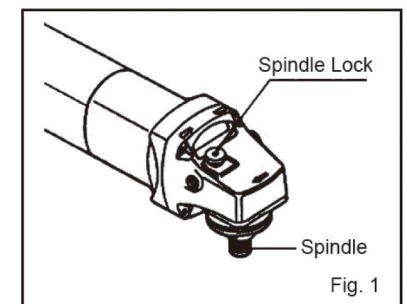
INSTRUCTIONS FOR OPERATION

Spindle Lock

CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.
- Never actuate the spindle lock when the spindle is moving. The tool may be damaged.

Press the spindle lock to prevent spindle rotation when installing or removing accessories. (Fig. 1)



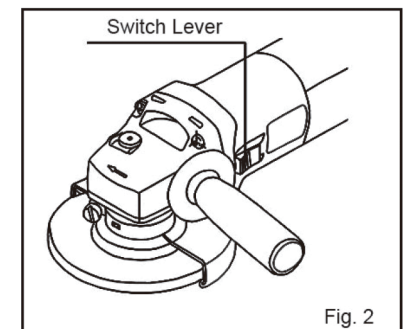
Switch Operation

CAUTION:

Before plugging in the tool, always check to see that the switch actuates properly and returns to the "OFF" position when the rear of the switch lever is depressed.

To switch ON, depress the rear of the switch lever and push it forward. Then depress the front of the switch lever to lock it.

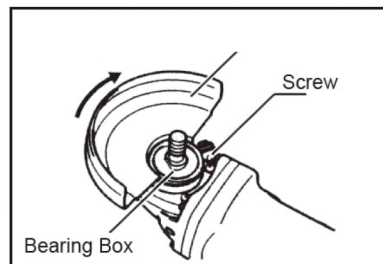
To switch OFF, depress the rear of the switch lever. (Fig. 2)



Installing or Removing the Wheel Guard

CAUTION:

- Always be sure that the tool is switched OFF and unplugged before installing or removing the wheel guard.
 - Never actuate the shaft lock when the spindle is moving. The tool may be damaged.
- Mount the wheel guard with the protrusion on the wheel guard band aligned with the notch on the bearing box. Then rotate the wheel guard around 180 degrees. Be sure to tighten the screw securely. (Fig. 3)
- To remove the wheel guard, follow the installation procedure in reverse.

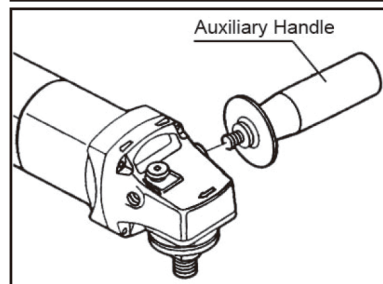


Installing the Auxiliary Handle

CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.
- Always be sure that the auxiliary handle is installed securely before operation.

Screw the auxiliary handle securely on either side of the tool head (gear housing). (Fig. 4)



Installing or Removing the Depressed Center Wheel

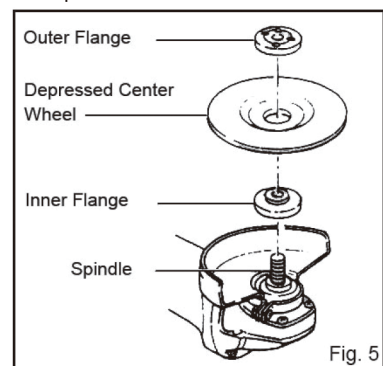
CAUTION:

- Always be sure that the tool is switched OFF and unplugged before installing or removing the wheel.
- When using a depressed center grinding wheel, the wheel guard must be fitted on the tool so that the closed side of the guard always points toward the operator.

Screw the inner flange onto the spindle. Then fit the wheel on over the inner flange and screw the outer flange onto the spindle. (Fig. 5)

Press the spindle lock firmly so that the spindle cannot revolve and then use the lock nut wrench to tighten the outer flange securely.

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



Grinding and Sanding Operation

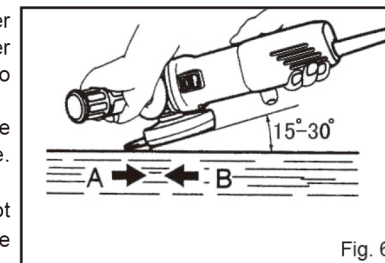
WARNING:

- 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.
- ALWAYS replace wheel if tool is dropped while grinding.
- NEVER bang or hit grinding disc or wheel onto work.
- Avoid bouncing and snagging the wheel, especially when working corners, sharp edges etc. This can cause loss of control and kickback.

- NEVER use tool with wood cutting blades and other sawblades. Such blades when used on a grinder frequently kick and cause loss of control leading to personal injury.

Hold the tool firmly, turn the tool on and then apply the wheel or disc at an angle of about 15° to the workpiece. (Fig. 6)

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 of the wheel has been rounded off by use, the wheel may be worked in both A and B directions. (Fig. 6)



CAUTION:

After operation, always switch off the tool and wait until the wheel has come to a complete stop before putting the tool down.

MAINTENANCE AND INSPECTION

CAUTION ! !

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

After Use

Blow away dust from the inside of the tool by running the tool at an idle for a while. Brush off accumulation of dust on the base.

Accumulation of dust in the motor or on the base may cause a malfunction of the tool.

Inspecting the Depressed Center Wheel

Ensure that the depressed center wheel is free of cracks and surface defects.

Inspecting the Mounting Screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screws be loose, retighten them immediately. Failure to do so could result serious hazard.

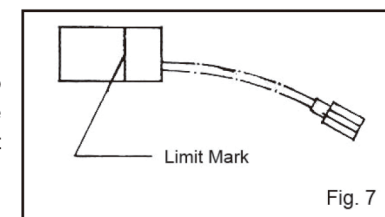
Maintenance of the Motor

The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and /or wet with oil or water.

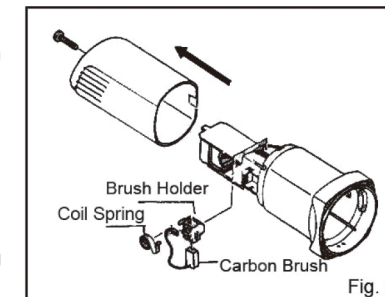
Replacing Carbon Brushes

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. 7)

Use a screwdriver to remove the rear cover. Disconnect the carbon brush from the brush holder, then draw the coil spring and take out the worn carbon bush and replace new one; Release the coil spring and reconnect the carbon brush with the brush holder. And then tighten the rear cover securely. (Fig. 8)



※ To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by authorized centers, always using original replacement parts.





Return receipt

WARRANTY CARD

DEALER'S NAME AND ADDRESS: _____

Please fill all the details and return the warranty registration card within 7 days from the date of purchase to the Dealer's address mentioned above. Unregistered warranty card is not applicable for any warranty service.

MODEL NO.: _____ SERIAL NO.: _____

NAME: _____ DATE OF PURCHASE: _____

ADDRESS: _____

WARRANTY POLICY

CONGRATULATIONS for becoming a proud owner of NEWBEAT power tool(s). It is warranted to be free of defects from workmanship and materials for the period of SIX MONTHS from the date of original purchase.

This warranty covers the normal operation of the products and excludes damage caused by

- A) Accident, negligence, abuse and improper use.
 - B) fire, flood and natural calamities;
 - C) unauthorized repairs and alterations;
 - D) wrong voltage/wild voltage fluctuation;
 - E) entry into machine of water, slurry, dust, etc.;
 - F) normal wear and tear;
 - G) seal, carbon brush and other spare parts that easy to be worn and broken;
 - H) rough transportation after sale.
 - I) improper or lack of maintenance as indicated in the Operation Instructions;
 - J) not using our company original spare parts & accessories as stipulated.
- WARRANTY STRICTLY FOR ARMATURE AND FIELD COIL ONLY.

To ensure the effectiveness of this warranty, the following particulars must be entered on the Warranty Card on the date of purchase: Dealer's stamp, the date of purchase, the particular of buyer.

PLEASE KEEP THIS WARRANTY CARD SAFE WITH YOU. WARRANTY WILL NOT BE PROVIDED WITHOUT THIS WARRANTY CARD. This warranty is neither Assignable nor Transferable. Should any trouble develop during this six months period, return the COMPLETE tool, together with the warranty card and purchase bill of the related machine, to where it was bought for repair.

Note: The contents of this warranty card may be changed without prior notice and we reserves the authority for final interpretation.



Customer copy

WARRANTY CARD

MODEL NO.: _____ SERIAL NO.: _____

NAME: _____

ADDRESS: _____

DATE OF PURCHASE: _____

DEALER'S STAMP & SIGNATURE: _____



WARRANTY CARD



MADE IN CHINA