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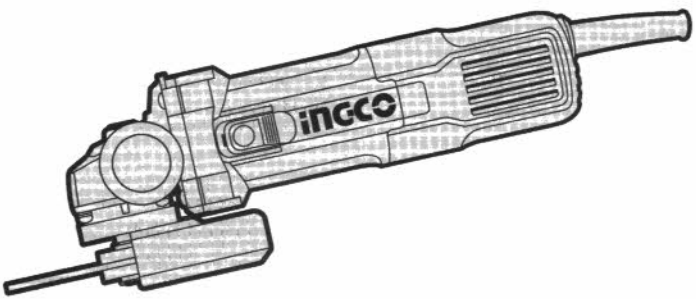
PRODUCT MANUAL

ANGLE GRINDER

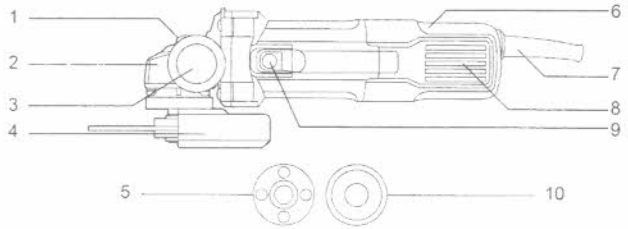


INNOVATED BY INGCO
INDUSTRIAL

AG7118 UAG7118 AG7118xy UAG7118xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

SCAN FOR VIDEO

SPECIFICATIONS



1. Spindle locking button
2. Aluminum gear box
3. Auxiliary handle
4. Disc guard
5. Thread lock flange
6. Housing
7. Power cable sleeve
8. Cooling vents
9. On/off switch button
10. Mounting washer flange

Accessories

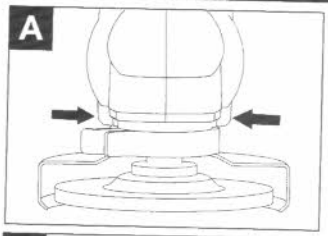
1. 1Pcs Auxiliary handle
2. 1Pcs Spanner

Technical specifications

Model No.	AG7118, AG7118M, AG7118-3 (BS PLug) AG7118-4 (IRAM PLug) AG7118-6 (ISRAEL Plug) AG7118-7 (CHILE Plug) AG7118-8 (BS Plug) AG7118-9 (INMENTRO Plug) AG7118S (SAA Plug)	UAG7118
Rated power	710W	710W
Rated voltage	220-240V~ 50/60Hz	110-120V~ 50/60Hz
No-load speed	12000/min	12000/min
Disc diameter	115mm	4-1/2"
Spindle thread	M14	5/8"-11UNC
Double insulation	⧈	⧈

OPERATION PICTURE

A



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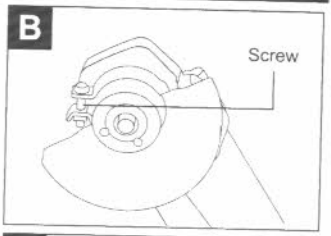

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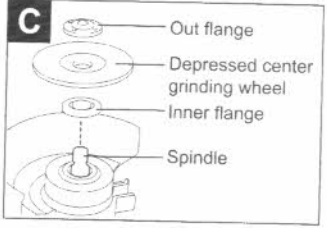
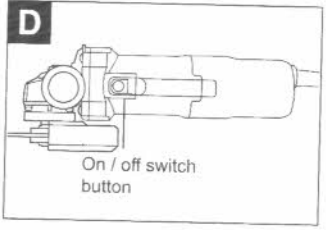
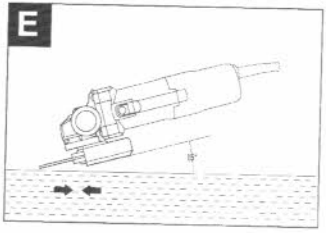


D



E



OPERATION

⚠ **WARNING!**

Before using your angle grinder, be sure to read the instruction manual carefully.

Installing the auxiliary handle (see Figure A)

An auxiliary handle is supplied and can be fixed into both of the two positions on the gearcase. If you are right-handed fit the handle as shown in fig1. If you are left-handed fit the handle the other way round. When using a cutting disc, you can screw the handle into the position on top of the gearcase.

⚠ **NOTE:**

This handle should be used at all times to maintain complete control of the tool.

Adjusting wheel guard (see Figure B)

Adjust the guard to protect your hands and direct grinding debris. Loosen the screw. Position the guard at the required angle. Then tighten the screw.

⚠ **CAUTION!**

Be sure that the guard is secure before starting the angle grinder.

⚠ **WARNING!**

Never use the angle grinder without the disc guard in place.

Fitting the discs (see Figure C)

Place the grinding/cutting disc on top of the inner flange and over the spindle. Ensure that it is firmly located on the raised section of the inner flange. See Figure C. Locate the outer flange over the disc, making sure that the raised side is facing the disc and is fully located in the centre hole of the disc.

⚠ **NOTE:**

When clamping thin section metal diamond discs, the outer flange must be reversed so that the flat/dished side screws against the disc hub.

Press and hold down the spindle lock button and tighten the outer flange using the two-pin locking wrench. It may be necessary to turn the spindle to fully locate the spindle lock button.

When the outer flange washer is tight, release the spindle lock button and remove the wrench.

Switch (see Figure D)

The On/Off trigger switch is sprung in the OFF position. The angle grinder is started by pushing forward the on/off switch (See Figure D). To stop the angle grinder, release the on/off switch and it will return to the OFF position.

⚠ WARNING!

The disc will continue rotate for a few seconds after the angle grinder has been switched off.

Always wait until the disc has stopped completely before putting the angle grinder down. Do not attempt to operate the spindle lock button while the disc is still rotating.

To use grinder (see Figure E)

⚠ Attention:

Do not switch the grinder on whilst the disc is in contact with the workpiece. Allow the disc to reach full speed before starting to grind. Hold your angle grinder with one hand on the main handle and other hand firmly around d the auxiliary handle.

Always position the guard so that as much of the expose d disc as possible is pointing away from you. Be prepared for a stream of sparks when the disc touches the metal.

For best tool control, material removal and minimum overloading, maintain an angle between the disc and work surface of approximately 15°-30° when grinding and 10°-15° When sanding. Exert light pressure on abrasive discs for efficient operation. Pushing too hard will cause a drop in speed and may result in motor overload and damage.

Use caution when working into corners as contact with the intersecting surface may cause the grinder to jump or twist, when grinding is complete allow the workpiece to cool. Do not touch the hot surface.

Overload

Overloading will cause damage to the motor of your angle grinder. This can happen if your angle grinder is subjected to heavy use for prolonged periods of time.
Do not in any circumstances, attempt to exert too much pressure on your angle grinder to speed up your work.
The abrasive discs operate more efficiently when light pressure is exerted, thus avoiding a drop in the speed of your angle grinder. If your angle grinder becomes too hot, run your angle grinder under no load for 2-3 minutes until it has cooled to normal operation temperature.

Working hints for your angle grinder

a) Your angle grinder is useful for both cutting through metals, ie. for r removing screw heads, and also for cleaning / preparing surfaces, ie. before and after welding operations.
b) Different types of wheel/cutters will allow the grinder to meet various needs. Typically, grinding wheels/cutting discs are available for mild steel, stainless steel, stone and brick. Diamond impregnated discs are available for very hard materials.
c) If the grinder is used on soft metals such as aluminium the wheel will soon clog and will have to be changed.
d) At all times, let the grinder do the work, do not force it or apply excessive pressure to the wheel/disc.
e) If cutting a slot ensure that the cutter is kept aligned with the slot, twisting the cutter may cause the disc to shatter. If cutting through thin sheet, only allow the cutter to just project through the material, excessive penetration can increase the chance of causing damage.
f) If cutting stone or brick, it is advisable to use a dust extractor.

Maintenance

⚠ WARNING!

Ensure the grinder is disconnected from the mains power supply before attempting any maintenance.

a) Keep the grinder ventilation slots clean and free from obstructions. If available, blow compressed air into the vents to clear any internal dust (safety goggles must be worn when undertaking this process).

b) Keep the outer case of the grinder clean and free from grease. Do not wash with water or use solvents or abrasive. Use only mild soap and a damp cloth to clean the tool. Never let any liquid get inside the tool. Never immerse any part of the too into a liquid.
c) Your angle grinder requires no additional lubrication. There are no user serviceable parts in your power tool.
d) Always store your power tool in a dry place.
e) If you see some sparks flashing in the ventilation slots, this normal and will not damage your power tool.

Troubleshooting

Although your new angle grinder is really very simple to operate, if you do experience problems, please check the following:

a) If your grinder will not operate, check the power at the mains plug.
b) If your grinder wheel wobbles or vibrates, check that outer flange is tight, check that the wheel is correctly located on the flange plate.
c) If there is any evidence that the wheel is damaged, do not use as the damaged wheel may disintegrate, remove it and replace with a new wheel. Dispose of old wheels sensibly.
d) If working on aluminium or a similar soft alloy, the wheel will soon become clogged and will not grind effectively.

Environmental protection

Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

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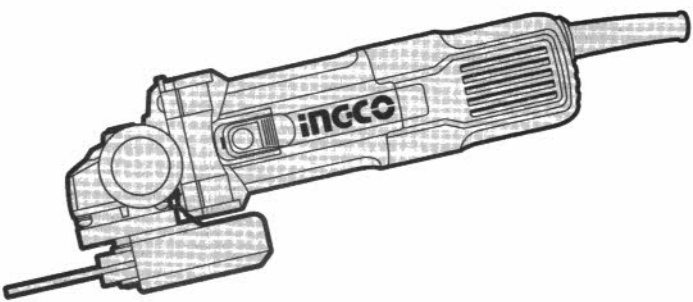

MADE IN CHINA 0324.V02

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