

Ingco AG8508S

Ingco AG8508S 115mm 950W Angle Grinder User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Ingco AG8508S 115mm 950W Angle Grinder. Before using the tool, please read these instructions thoroughly and retain them for future reference. Proper understanding and adherence to these guidelines will ensure optimal performance and user safety.

2. GENERAL SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow all instructions may result in serious injury.

2.1 Work Area Safety

- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- 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 the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2 Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.

2.3 Personal Safety

- Always wear eye protection. Use safety glasses or goggles.

- Wear appropriate personal protective equipment (PPE) such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.
- Do not overreach. Keep proper footing and balance at all times.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.

3. ANGLE GRINDER SPECIFIC SAFETY

- This power tool is intended to function as a grinder or cut-off tool. Read all safety warnings, instructions, illustrations, and specifications provided with this power tool.
- Do not use accessories that are not specifically designed and recommended by the tool manufacturer.
- The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool.
- Always use the guard provided with the tool. Ensure the guard is securely attached and positioned for maximum safety.
- Hold the tool firmly with both hands. Always use the auxiliary handle.
- Be aware of kickback. Kickback is a sudden reaction to a pinched or snagged rotating wheel.
- Do not use the tool for sanding or wire brushing unless specifically designed for it.
- Never place the tool down until the accessory has come to a complete stop.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Ingco AG8508S Angle Grinder before operation.



Figure 1: Ingco AG8508S 115mm 950W Angle Grinder. This image displays the angle grinder with its main body, auxiliary handle, and a grinding disc attached. The tool features a yellow and black housing with the Ingco logo visible.

Key Components:

1. **Main Handle:** Ergonomic grip for primary control.
2. **Auxiliary Handle:** Provides additional grip and control, can be mounted on either side.
3. **Spindle Lock Button:** Used to lock the spindle for disc changes.
4. **On/Off Switch:** Activates and deactivates the tool.
5. **Wheel Guard:** Protects the user from sparks and debris.
6. **Grinding/Cutting Disc:** The abrasive accessory for material removal or cutting.
7. **Ventilation Slots:** Allow airflow to cool the motor.
8. **Power Cord:** Connects the tool to an electrical outlet.

5. SETUP

5.1 Installing the Auxiliary Handle

The auxiliary handle can be screwed into either the left or right side of the gear housing, depending on user preference and application. Ensure it is tightened securely before use.

5.2 Attaching and Adjusting the Wheel Guard

The wheel guard is crucial for safety. It should be positioned to deflect sparks and debris away from the user. Loosen the guard clamping screw, position the guard, and then securely tighten the screw. Never operate the grinder without the guard properly installed.

5.3 Mounting Grinding/Cutting Discs

1. Ensure the tool is unplugged from the power source.
2. Press and hold the spindle lock button.
3. Using the provided wrench, loosen and remove the outer flange nut.
4. Place the desired grinding or cutting disc onto the spindle, ensuring it sits correctly on the inner flange. The disc should be rated for the tool's speed and application.
5. Replace the outer flange nut and tighten it securely with the wrench while holding the spindle lock button. Do not overtighten.
6. Release the spindle lock button.

Always inspect discs for damage before mounting. Never use cracked or damaged discs.

6. OPERATION

6.1 Power Connection

Connect the power cord to a suitable 240V electrical outlet. Ensure the switch is in the "OFF" position before plugging in.

6.2 Switching On/Off

- To switch on: Push the switch forward to the "ON" position. For continuous operation, some models may have a lock-on button.
- To switch off: Release the switch or press the lock-on button again (if applicable) to return it to the "OFF" position.

Allow the disc to reach full speed before contacting the workpiece.

6.3 Grinding and Cutting Techniques

- **Grinding:** Hold the grinder at an angle of approximately 15-30 degrees to the workpiece. Apply moderate, even pressure. Move the tool smoothly across the surface.
- **Cutting:** Hold the grinder perpendicular (90 degrees) to the workpiece. Apply light, consistent pressure. Do not twist or force the disc, as this can cause kickback or disc breakage.
- Always secure the workpiece to prevent movement during operation.
- Avoid applying excessive pressure, which can reduce disc life and motor efficiency.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your angle grinder.

7.1 Cleaning

- Always unplug the tool before cleaning.
- Keep the ventilation slots clean and free from obstructions to prevent overheating. Use compressed air to blow out dust and debris.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

7.2 Carbon Brush Inspection/Replacement

Carbon brushes wear down over time. If the tool experiences reduced power or excessive sparking, the brushes may need inspection or replacement. This procedure should ideally be performed by a qualified service technician.

7.3 Storage

Store the angle grinder in a dry, secure location out of reach of children. Protect it from moisture and direct sunlight.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	No power supply; faulty switch; worn carbon brushes.	Check power connection and outlet. Ensure switch is fully engaged. Inspect/replace carbon brushes (if applicable).
Excessive vibration.	Damaged or improperly mounted disc; loose components.	Inspect disc for damage and replace if necessary. Ensure disc and flanges are correctly mounted and tightened. Check for loose screws on the tool.
Tool overheats.	Blocked ventilation slots; continuous heavy use; motor overload.	Clean ventilation slots. Allow the tool to cool down. Reduce pressure during operation.

9. SPECIFICATIONS

Model Number	AG8508S
Brand	Ingco
Power Input	950 W
Voltage	240 V
Disc Diameter	115 mm
No-Load Speed	11000 RPM
Weight	5 kg
Dimensions (L x W x H)	Approx. 5 x 10 x 10 cm (Tool body only)
Power Source	Corded Electric

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or service inquiries, please contact Ingco customer service or an authorized service center. Keep your purchase receipt as proof of purchase for warranty claims. For further assistance, you may visit the official Ingco website or contact their customer support channels.