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> Ingco AG24008E Angle Grinder User Manual

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Model: AG24008E

1. INTRODUCTION

Thank you for choosing the Ingco AG24008E Angle Grinder. This power tool is designed for a variety of applications, including grinding, sanding, wire brushing, polishing, and cutting. To ensure safe and efficient operation, please read this manual thoroughly before use and keep it for future reference. Proper understanding and adherence to these instructions will help prevent accidents and ensure the longevity of your tool.

2. GENERAL SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual with the tool for reference.

2.1. General Power Tool Safety Warnings

- **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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when appropriate. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

2.2. Specific Angle Grinder Safety Warnings

- This power tool is intended to function as a grinder, sander, wire brush, polisher, or cutting tool. Read all safety warnings, instructions, illustrations, and specifications provided with this power tool.
- Always use the correct type of disc for the application. Ensure the disc is securely mounted and undamaged.
- Never operate the tool without the guard properly installed and adjusted for maximum safety.
- Hold the tool firmly with both hands during operation.

- Be aware of kickback, which is a sudden reaction to a pinched or snagged rotating wheel.

3. COMPONENTS

Familiarize yourself with the main parts of your Incco AG24008E Angle Grinder:



An image showing the Incco AG24008E Angle Grinder. The tool features a yellow and black body, a silver gear housing, and an auxiliary handle. A cutting disc is attached, partially covered by a black guard. The power cord extends from the rear.

- **Main Body:** Houses the motor and internal components.
- **Auxiliary Handle:** Provides additional grip and control during operation.
- **Disc Guard:** Protects the user from sparks, debris, and accidental contact with the rotating disc.
- **Spindle Lock Button:** Used to lock the spindle for easy disc changes.
- **On/Off Switch:** Controls the power to the tool.
- **Power Cord:** Connects the tool to the electrical supply.
- **Grinding/Cutting Disc:** The consumable accessory used for various applications.

4. SETUP

4.1. Unpacking

Carefully remove the tool and all accessories from the packaging. Inspect for any damage that may have occurred during transit. Do not discard packaging material until you have checked all components.

4.2. Attaching the Auxiliary Handle

1. The auxiliary handle can be screwed into one of the three threaded holes on the gear housing (left, right, or top) depending on your working preference and application.
2. Ensure the handle is tightened securely before operation.

4.3. Mounting the Disc Guard

1. Loosen the screw on the disc guard clamp.
2. Position the guard over the spindle housing, ensuring it covers the disc adequately and protects the user.
3. Tighten the screw firmly to secure the guard in place.

4.4. Installing/Changing the Grinding/Cutting Disc

1. Ensure the tool is unplugged from the power source.
2. Press and hold the spindle lock button.
3. Using the supplied wrench, loosen and remove the outer flange nut by turning it counter-clockwise.
4. Remove the old disc (if applicable).
5. Place the new disc onto the inner flange, ensuring it sits flush. The disc must have a diameter of 230mm.
6. Replace the outer flange nut and tighten it clockwise with the wrench while holding the spindle lock button. Do not overtighten.
7. Release the spindle lock button.

5. OPERATING INSTRUCTIONS

5.1. Before Operation

- Ensure all safety guards and handles are correctly installed and tightened.
- Verify the disc is suitable for the material and application, and that it is securely mounted.
- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, gloves, and a dust mask.
- Check the workpiece is securely clamped or held.

5.2. Switching On/Off

1. **To Switch On:** Plug the tool into a suitable power outlet. Press the ON switch. For continuous operation, engage the lock-on button (if present).
2. **To Switch Off:** Release the ON switch. If locked on, press the switch again to release the lock-on button. Wait for the disc to come to a complete stop before setting the tool down.

5.3. General Operation Tips

- Allow the tool to reach full speed before contacting the workpiece.
- Apply light, even pressure. Do not force the tool, as this can damage the disc and motor.
- Move the tool smoothly across the workpiece.
- For cutting, use a cutting disc and make shallow passes to avoid overheating and kickback.
- For grinding, hold the tool at a slight angle to the workpiece.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

6.1. Cleaning

- Always unplug the tool before cleaning.
- Clean the ventilation openings regularly to prevent overheating. Use a soft brush or compressed air.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2. Inspection

- Regularly inspect the power cord for damage. If damaged, have it replaced by a qualified technician.
- Check the auxiliary handle and disc guard for tightness and damage.

- Inspect discs before each use for cracks, chips, or excessive wear.

6.3. Storage

Store the tool in a dry, secure place out of reach of children. Protect it from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your Ingco AG24008E, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	No power supply; Damaged power cord; Faulty switch	Check power outlet and circuit breaker; Inspect power cord for damage; Contact service center if switch is faulty.
Excessive vibration	Damaged or unbalanced disc; Loose disc flange; Worn bearings	Replace disc; Tighten flange nut; Contact service center for bearing replacement.
Tool overheats	Blocked ventilation; Overloading the tool; Worn motor brushes	Clean ventilation slots; Reduce load on the tool; Have brushes inspected/replaced by a service center.
Sparks excessively	Worn motor brushes; Incorrect disc for material	Have brushes inspected/replaced; Use appropriate disc for the material.

If the problem persists after attempting these solutions, please contact Ingco customer support or an authorized service center.

8. SPECIFICATIONS

The following are the technical specifications for the Ingco AG24008E Angle Grinder:

Feature	Specification
Brand	Ingco
Model Number	AG24008E
Voltage	220-240 V ~ 50/60 Hz
Input Power	2400W
No-load Speed	6300/min
Disc Diameter	230mm
Brush Diameter	150mm
Item Code	AG24008E
Package Dimensions	60 x 50 x 10 cm
Color	Red
Style	Angled

Feature	Specification
Material	Metal
Power Source	Corded Electric
Number of Items	1
Batteries Required?	No
Item Weight	5 Kilograms
ASIN	B07VMHFS8J
Available on Amazon.it from	23 July 2019

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Ingco website. Keep your purchase receipt as proof of purchase for any warranty claims.

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