

Dong Cheng DSM03-100A

Dongcheng DSM03-100A 710-Watt Angle Grinder User Manual

Model: DSM03-100A

1. INTRODUCTION

This manual provides essential instructions for the safe operation, assembly, maintenance, and troubleshooting of your Dongcheng DSM03-100A 710-Watt Angle Grinder. Please read this manual thoroughly before using the tool to ensure safe and efficient operation. Keep this manual for future reference.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electric power tools to reduce the risk of fire, electric shock, and personal injury. Familiarize yourself with all warnings and instructions.

- Wear appropriate personal protective equipment (PPE) such as safety glasses, hearing protection, and gloves.
- Ensure the work area is 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.
- Keep children and bystanders away while operating a power tool.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool.
- Do not overreach. Keep proper footing and balance at all times.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

3. PRODUCT OVERVIEW

The Dongcheng DSM03-100A is a 710-Watt angle grinder designed for various metalworking tasks including cleaning, burring, weld groove preparation, sanding, and grinding. It features a robust design with a pure copper armature for reliable performance.



Figure 1: Dongcheng DSM03-100A Angle Grinder. This image shows the blue-bodied angle grinder with a grinding wheel attached and a protective guard in place.

4. SETUP

4.1 Attaching the Side Handle

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

4.2 Installing the Grinding Wheel and Guard

1. Ensure the tool is unplugged from the power source.
2. Position the protective guard over the spindle housing. Adjust it to cover the maximum possible area of the grinding wheel, protecting against sparks and debris. Tighten the guard securely.
3. Place the inner flange onto the spindle.
4. Mount the grinding wheel onto the spindle, ensuring it sits flush against the inner flange.
5. Screw the outer flange onto the spindle and tighten it firmly using the provided wrench. Press the spindle lock button to prevent the spindle from rotating while tightening.
6. Verify that the grinding wheel is correctly seated and the guard is properly adjusted and secured.

4.3 Power Connection

Connect the angle grinder to a suitable power outlet. Ensure the voltage and frequency of the power supply match the specifications listed on the tool's nameplate.

5. OPERATING INSTRUCTIONS

5.1 Starting and Stopping

- **To Start:** Push the ON/OFF switch forward to the 'I' position.
- **To Stop:** Push the ON/OFF switch backward to the 'O' position.

5.2 General Operation

- Always hold the angle grinder firmly with both hands, using the main handle and the side handle.
- Allow the tool to reach full speed before making contact with the workpiece.
- Apply light, even pressure. Do not force the tool, as this can lead to kickback or damage to the tool/workpiece.
- Maintain a safe distance from the rotating wheel and ensure sparks are directed away from yourself and flammable materials.
- For cutting operations, ensure the workpiece is securely clamped.
- After use, turn off the tool and wait for the wheel to stop completely before setting it down.

6. MAINTENANCE

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

- **Cleaning:** After each use, clean the tool thoroughly. Remove dust and debris from ventilation openings using compressed air. Do not use water or chemical cleaners.
- **Carbon Brushes:** Periodically check the carbon brushes for wear. Replace both brushes simultaneously when they are worn down to their limit mark. This should be done by a qualified service technician.
- **Power Cord:** Inspect the power cord regularly for damage. If damaged, have it replaced by an authorized service center to avoid electrical hazards.
- **Storage:** Store the angle grinder in a dry, secure place, out of reach of children, when not in use.

7. TROUBLESHOOTING

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

- **Tool does not start:**
 - Check if the power cord is securely plugged into a live outlet.
 - Ensure the ON/OFF switch is fully engaged.
 - Inspect the power cord for damage.
 - Check the carbon brushes for wear.
- **Excessive vibration:**
 - Ensure the grinding wheel is correctly installed and tightened.
 - Check the grinding wheel for damage or imbalance; replace if necessary.
- **Reduced power or overheating:**
 - Ensure ventilation openings are clear of dust and debris.
 - Avoid applying excessive pressure during operation.

- Check carbon brushes for wear.

If the problem persists after attempting these solutions, contact an authorized service center.

8. SPECIFICATIONS

Feature	Specification
Model	DSM03-100A
Rated Power Input	710-Watt
Wheel Diameter	16mm (4 Inch)
No Load Speed	13000 RPM
Armature Type	Pure Copper
Item Weight	1.6 kg
Product Dimensions (LxWxH)	33.6 x 10.7 x 13.4 cm

9. WARRANTY AND SUPPORT

This product is covered by a warranty policy. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty card included with your purchase or contact the retailer/manufacturer directly. For technical support, spare parts, or service, please reach out to your authorized Dong Cheng service center or the point of purchase.

Importer: A CUBE TOOLS AND HARDWARE LLP

Manufacturer: Jiangsu Dongcheng Power Tools Co., Ltd.