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Metabo W 750-115

Metabo W 750-115 4.5" Angle Grinder User Manual

Model: W 750-115 | Brand: Metabo

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Metabo W 750-115 4.5" Angle Grinder. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

The Metabo W 750-115 is a robust, universal, and economical angle grinder designed for various applications. It features a powerful motor with good overload capacity, a twist-proof protective cover, and auto-stop carbon brushes to protect the motor.

2. General Safety Instructions

Always observe the following basic safety precautions when operating power tools to reduce the risk of fire, electric shock, and personal injury.

2.1 Work Area Safety

- Keep 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.

2.3 Personal Safety

- Always wear eye protection. Use safety glasses or goggles.
- Wear hearing protection when operating the grinder for extended periods.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.

- Stay alert, watch what you are doing and use common sense when operating a power tool.

3. Product Components

The Metabo W 750-115 Angle Grinder typically includes the following main components:

- Angle Grinder Unit
- Side Handle
- Protective Wheel Guard
- Spanner Wrench (for disc changes)

Figure 1: The Metabo W 750-115 Angle Grinder, showing the main body, side handle, and protective wheel guard. The grinding disc is also visible.

4. Setup and Assembly

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 tightened securely before operation.

4.2 Installing the Protective Guard

The protective guard is twist-proof and essential for safety. Loosen the clamping screw, position the guard to cover the grinding disc and direct sparks away from you, then tighten the screw firmly.

4.3 Mounting the Grinding Disc

1. Ensure the grinder is unplugged.
2. Press the spindle lock button to prevent the spindle from rotating.
3. Place the inner flange onto the spindle.
4. Position the grinding disc onto the inner flange, ensuring it sits flat.
5. Screw the outer flange (locking nut) onto the spindle.
6. Use the spanner wrench to firmly tighten the outer flange.

5. Operating Instructions

5.1 Power On/Off

To switch the grinder on, slide the power switch forward. For continuous operation, push the switch further forward until it locks. To switch off, release the switch or press the rear part of the switch if it is locked.

5.2 Grinding Techniques

- Always hold the grinder firmly with both hands.
- Allow the disc to reach full speed before contacting the workpiece.
- Apply moderate pressure. Excessive pressure can overload the motor and reduce disc life.
- Maintain a consistent angle (typically 15-30 degrees for grinding) to the workpiece.
- Move the grinder smoothly across the surface.
- Ensure sparks are directed away from yourself and others, and away from flammable materials.

Figure 2: An individual demonstrating the use of the Metabo angle grinder for cutting metal, illustrating proper handling and the direction of sparks during operation.

6. Maintenance

6.1 Cleaning

Regularly clean the ventilation slots of the grinder to prevent overheating. Use a soft brush or compressed air to remove dust and debris. Do not use water or chemical cleaners.

6.2 Carbon Brush Replacement

The grinder is equipped with auto-stop carbon brushes. When the brushes wear down, the tool will automatically shut off to prevent motor damage. Carbon brushes should be replaced by qualified personnel using original Metabo spare parts.

6.3 Storage

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

7. Troubleshooting

Problem	Possible Cause	Solution
Grinder does not start	No power supply; Worn carbon brushes; Faulty switch	Check power cord and outlet; Replace carbon brushes (professional service recommended); Contact service center
Excessive vibration	Damaged or improperly mounted disc; Loose components	Inspect and replace disc if damaged, ensure proper mounting; Check all screws and tighten if necessary
Overheating	Blocked ventilation slots; Excessive load	Clean ventilation slots; Reduce pressure during operation; Allow tool to cool down

8. Technical Specifications

Feature	Specification
Brand	Metabo
Model Number	W 750-115
Power Source	Electric
Voltage	120 Volts
Wattage	750 watts
Maximum Rotational Speed	11000 RPM
Item Weight	4 Pounds (approx. 1.8 kg)
Product Dimensions	15 x 5 x 5 inches (approx. 38.1 x 12.7 x 12.7 cm)
Cord Length	96 Inches (approx. 2.44 meters)
Included Components	Grinder, handle, wheel guard

9. Warranty Information

Metabo products are manufactured to the highest quality standards. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Metabo website. Keep your purchase receipt as proof of purchase for any warranty claims.

10. Customer Support

For technical assistance, spare parts, or service, please contact Metabo customer support or visit their official website:

Website: www.metabo.com

Brand Store: Metabo Amazon Store

When contacting support, please have your model number (W 750-115) and serial number (if applicable) ready.

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