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Brand: Milwaukee | Model: 2780-20

PRODUCT OVERVIEW

The Milwaukee 2780-20 M18 4-1/2"/5" Paddle Switch No-Lock Grinder is a versatile and powerful cordless tool designed for various applications including grinding, cutting, and distressing. It operates on an 18-volt M18 battery system, offering portability and convenience. Key features include an 8500 RPM motor, a 4-1/2"/5" wheel diameter, and a paddle switch with a no-lock design for enhanced safety and control. The grinder is lightweight at 5.8 lbs and comes with essential accessories like flange nuts, a wheel guard, and a spanner wrench.



Image of the Milwaukee 2780-20 M18 4-1/2"/5" Paddle Switch No-Lock Grinder, showcasing its red and black body, side handle, and grinding wheel.

SETUP

Before operating your Milwaukee M18 Grinder, ensure proper setup for safe and efficient use.

Battery Installation

- Ensure the grinder is turned off and the paddle switch is disengaged.
- Align the M18 battery pack with the battery slot on the grinder.
- Slide the battery into place until it clicks securely. Check the battery meter on the battery itself to ensure sufficient charge.

Handle Attachment

- The side handle can be attached to either side of the grinder head for left or right-handed operation.
- Screw the handle firmly into the threaded opening on the desired side.

Wheel/Disc Installation

- Press the spindle lock button located on the grinder head to prevent the spindle from rotating.
- Use the provided spanner wrench to loosen and remove the outer flange nut.
- Place the desired 4-1/2" or 5" grinding or cutting disc onto the spindle, ensuring it sits flush against the inner flange.
- Replace the outer flange nut and tighten it securely with the spanner wrench while holding the spindle lock button.
- Ensure the wheel guard is properly positioned to deflect debris away from the user.

OPERATING INSTRUCTIONS

The Milwaukee 2780-20 Grinder features a paddle switch design for intuitive and safe operation.

Starting and Stopping the Grinder

- To start the grinder, lift the safety lever on the paddle switch and simultaneously depress the paddle switch. The tool will begin to operate.
- To stop the grinder, simply release the paddle switch. The no-lock feature ensures the tool stops quickly, enhancing user safety.

General Usage Tips

- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves, when operating the grinder.
- Maintain a firm grip on the grinder with both hands, utilizing the side handle for stability.
- Allow the disc to reach full operating speed before making contact with the workpiece.
- Apply steady, even pressure. Avoid excessive force, which can lead to kickback or damage to the disc/tool.
- For cutting applications, use a thin cutting disc and make shallow passes.
- For grinding or distressing wood, use appropriate flap discs or wire brushes.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Milwaukee M18 Grinder.

- **Cleaning:** After each use, clean the tool with a soft, damp cloth. Remove any dust, debris, or metal shavings from the air vents and around the spindle area. Do not use harsh chemicals or abrasive cleaners.
- **Disc Inspection:** Regularly inspect grinding and cutting discs for wear, cracks, or damage. Replace worn or damaged discs immediately.
- **Brushless Motor:** This grinder features a brushless motor, which generally requires less maintenance than brushed motors. However, ensure proper airflow to prevent overheating.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Storage:** Store the grinder in a dry, secure location, out of reach of children and unauthorized users.

TROUBLESHOOTING

If you encounter issues with your Milwaukee M18 Grinder, refer to the following common troubleshooting steps:

- **Tool Not Starting:**
 - Check if the battery is fully charged and properly inserted.
 - Ensure the paddle switch safety lever is fully lifted before depressing the paddle switch.
 - Verify that the battery contacts on both the tool and battery are clean and free of debris.
- **Reduced Power/Performance:**
 - The battery may be low on charge. Recharge or replace the battery.
 - The grinding disc may be worn or dull. Replace the disc.
 - Ensure the correct type of disc is being used for the application.
- **Excessive Vibration:**
 - Check if the grinding disc is properly installed and tightened.
 - Inspect the disc for damage or imbalance. Replace if necessary.
 - Ensure the side handle is securely attached.
- **Overheating:**
 - Allow the tool to cool down.
 - Ensure air vents are clear of obstructions.
 - Avoid continuous heavy-duty use without breaks.

If problems persist after attempting these steps, contact Milwaukee customer support or an authorized service center.

SPECIFICATIONS

Feature	Specification
Brand	Milwaukee
Model Number	2780-20 (Item model number: T28586)
Voltage	18 Volts DC
Wheel Diameter	4-1/2"/5"
Maximum Rotational Speed	8500 RPM
Arbor Size	5/8"-11
Power Source	Cordless
Switch Style	Paddle No-Lock
Item Weight	5.26 pounds
Material	Cast Iron, Metal
Package Dimensions	13.35 x 8.31 x 3.7 inches
UPC	696498587699

WARRANTY AND SUPPORT

Milwaukee stands behind the quality of its products. The Milwaukee 2780-20 M18 Grinder comes with a comprehensive 5-year warranty from the date of manufacture.

For warranty claims, repairs, or technical support, please visit the official Milwaukee website. You can typically register your product and initiate a service request by entering the serial number of your tool. Milwaukee's support team will guide you through the process, which may include repair or replacement of the unit based on the warranty terms.

For additional information or to find an authorized service center, please refer to the contact information provided on the Milwaukee website or in your product's packaging.