

Micro-Mark®

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OPERATING INSTRUCTIONS FOR #85287 MINI GRINDER

As with all machinery there are certain hazards involved with operation and use of the machine. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result. This machine was designed for certain applications only. We strongly recommend that this machine not be modified or used for any application other than for which it was designed.

SAFETY RULES FOR ALL TOOLS

1. Keep guards in place.
2. Keep work area clean. Cluttered areas and benches invite accidents.
3. Don't use power tools in damp or wet locations. Keep work area well lighted.
4. Keep children and visitors away from work area.
5. Don't force tool. It will do the job better and be safer at the rate for which it was designed.
6. Wear proper apparel. Do not wear loose clothing, gloves, neckties, rings, bracelets or other jewelry which could be caught in moving parts. Keep long hair tied back.
7. Always wear eye protection. Also use face or dust mask if operation is dusty.
8. Secure work. Use clamps or a vise to hold work when practical.
9. Disconnect tools before servicing or changing blades, bits, wheels, etc.
10. Never leave tool running unattended.
11. Do not operate tool while under the influence of drugs, alcohol or any medication.

ADDITIONAL INSTRUCTIONS FOR GRINDERS

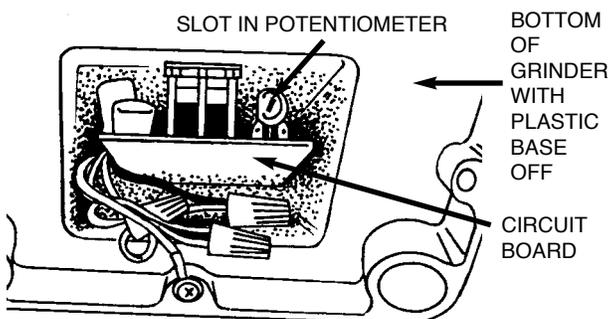
1. Always use grinding wheels that have a bore exactly equal to the arbor of the grinder. Do not use cut-off wheels. Use only grinding wheel or abrasive wheel supplied with grinder.
2. Never use a chipped or cracked grinding wheel. Inspect wheel prior to each use. Inspect new wheels before installation.
3. Never grind on the side of the wheel. Always grind on the face of the wheel only.
4. Sparks are a hazard. Never grind near flammable gas or liquids.
5. Adjust spark guard and tool rest so they are within 1/16" of the wheel. Re-adjust them as the wheel wears.
6. Stand to one side when turning on the power.
7. Grinding creates heat. Do not touch the workpiece until you are sure it has cooled sufficiently.
8. Hold small workpieces in a vise grip plier or hand vise.

Note: Nut holding woven abrasive wheel to shaft has reverse thread. Turn clockwise to loosen.

INTERNAL SPEED ADJUSTMENT – #85287 MINI GRINDER

CAUTION – UNPLUG GRINDER BEFORE PERFORMING ADJUSTMENT DESCRIBED BELOW.

The lowest speed setting on the external knob, as set by the factory, may be too fast for some operations. This low speed setting can be adjusted from beneath the grinder as follows:



1. Unplug grinder.
2. Remove 2 screws holding plastic base to grinder body.
3. After removing plastic base you will see a circuit board with potentiometer as shown to left. In the center of the potentiometer is a small slot which can be turned with a small blade screwdriver. If grinder is too fast, turn the slot slightly counter clockwise until it is vertical. Replace plastic base, plug grinder in, and turn external knob to it's lowest setting.
4. Your grinder should now run slower at the lowest speed setting of the external knob. If an even lower speed is required repeat steps 1 though 3. Turning slot in potentiometer counter clockwise will reduce speed; turning clockwise will increase speed.

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Micro-Mark makes no warranty of any kind, expressed or implied in respect to this product. Buyer assumes all risk and liability whatsoever resulting from use of this product.