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Hercules 929

Hercules Mini Benchtop Cut-Off Miter Saw Model 929 Instruction Manual

Model: 929 | Brand: Hercules

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your Hercules Mini Benchtop Cut-Off Miter Saw Model 929. Designed for hobby and craft applications, this saw is ideal for precise cuts in small materials such as wood, plastic, and soft metals. Please read this manual thoroughly before initial use and retain it for future reference.



Figure 1.1: Hercules Mini Benchtop Cut-Off Miter Saw Model 929 with its original packaging and instruction manual. The saw is yellow and gray, featuring a compact design suitable for small-scale projects.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury.

- **Read All Instructions:** Familiarize yourself with the saw's operation and potential hazards.
- **Wear Eye Protection:** Always wear safety goggles or safety glasses with side shields.
- **Wear Hearing Protection:** Prolonged exposure to noise from power tools can cause hearing damage.
- **Keep Work Area Clean:** Cluttered areas invite accidents.
- **Do Not Operate in Hazardous Environments:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
- **Keep Children Away:** All visitors should be kept a safe distance from the work area.
- **Secure Workpiece:** Always clamp or secure the material being cut to prevent movement during operation.
- **Avoid Accidental Starting:** Ensure the switch is in the OFF position before plugging in the tool.
- **Do Not Overreach:** Keep proper footing and balance at all times.
- **Maintain Tools With Care:** Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Disconnect Tools:** Unplug the tool from the power source when not in use, before servicing, or when changing accessories like blades.

- **Check for Damaged Parts:** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- **Use Correct Blade:** Ensure the blade is appropriate for the material being cut and is securely installed.
- **No Safety Switch on Trigger:** Be aware that this model may not feature a safety switch on the trigger. Exercise extreme caution to avoid accidental activation.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The standard package for the Hercules Mini Benchtop Cut-Off Miter Saw Model 929 includes:

- Hercules Mini Benchtop Cut-Off Miter Saw (Bare Tool)
- Instruction Manual
- Hex Wrenches (for blade changes and adjustments)
- Material Clamp/Vise



Figure 3.1: The Hercules Mini Benchtop Cut-Off Miter Saw with its accompanying accessories, including hex wrenches and the material clamp.

4. SETUP

4.1 Work Area Preparation

Place the saw on a stable, level workbench. Ensure adequate lighting and clear the area of any debris or obstructions. Secure the saw to the workbench using the provided mounting holes if prolonged or heavy use is anticipated.

4.2 Adjusting the Material Vise

The saw features an adjustable vise to secure your workpiece. Loosen the red knob to slide the vise jaw to the desired position. Place your material against the fence and tighten the red knob firmly to hold the material in place. For angled cuts, adjust the base plate to the desired angle (up to 45 degrees) before securing the material.

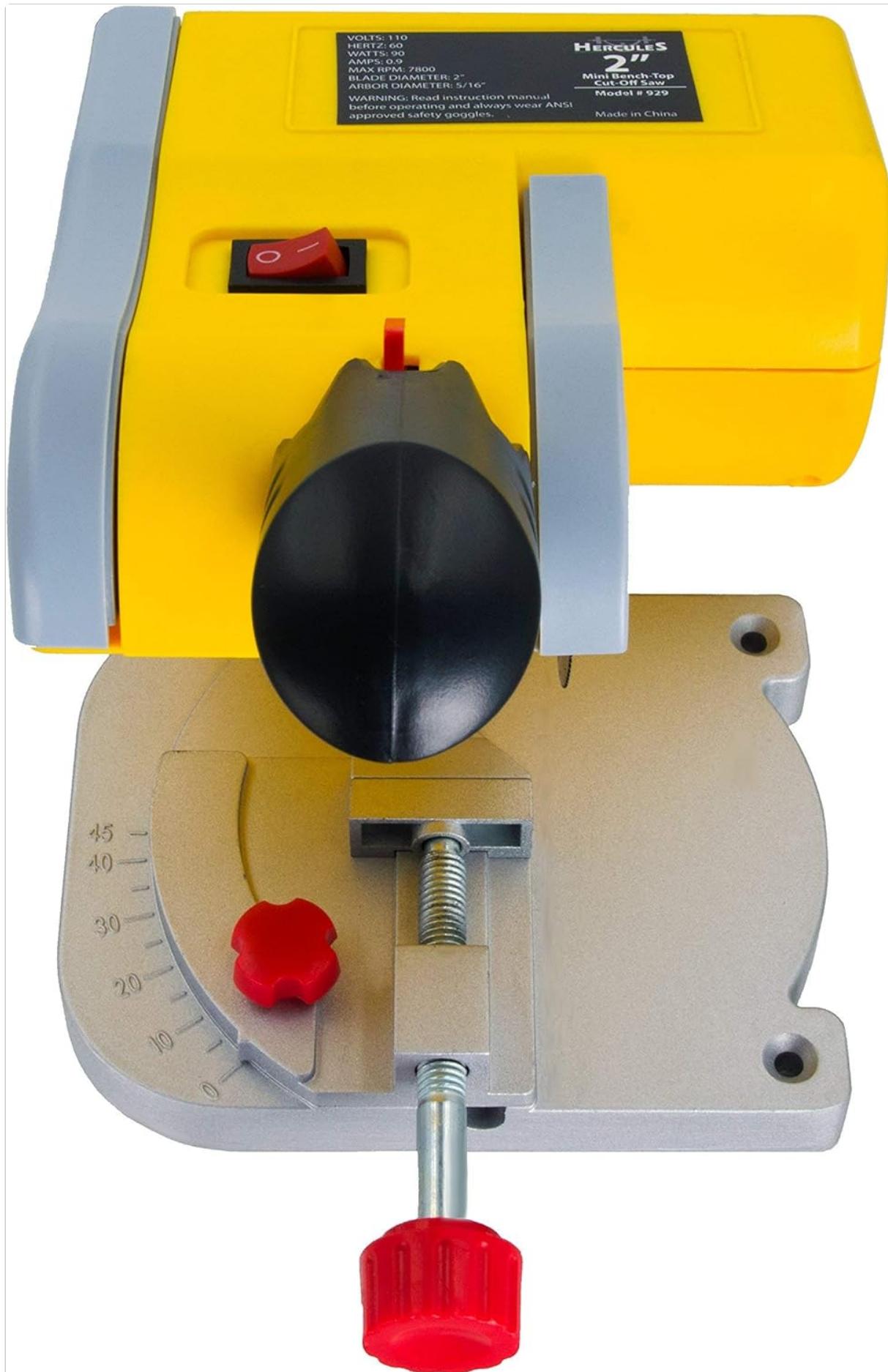


Figure 4.1: Top view of the saw, illustrating the adjustable base plate with angle markings and the material vise for securing workpieces.

4.3 Blade Installation/Replacement

WARNING: Always disconnect the saw from the power source before attempting to change the blade.

1. Remove both blade guards to access the blade.
2. Locate the set screw hole in the center of the belt gear on the left side of the saw. Insert the smaller hex wrench into this hole and push down to prevent the gear from turning.
3. Using the other hex wrench, loosen the screw that holds the blade in place. Turn the screw **counter-clockwise** to loosen.
4. Carefully remove the old blade and replace it with the new blade, ensuring it is centered on the washer.
5. Tighten the blade screw by turning it **clockwise**. Ensure it is snug, but do not overtighten.
6. Reinstall both blade guards securely.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Plug the saw into a standard 110V AC outlet. To turn the saw ON, press the power switch. To turn it OFF, press the switch again. Always ensure the switch is in the OFF position before plugging in or unplugging the tool.

5.2 Making a Cut

1. Ensure your workpiece is securely clamped in the vise.
2. Lower the saw blade slowly to align it with your desired cut line. Raise the blade before starting the saw.
3. Turn the saw ON. Allow the blade to reach full speed (7800 RPM) before beginning the cut.
4. Apply slow, steady, and even pressure to lower the blade through the material. Avoid forcing the saw, as this can bog down the motor and lead to an uneven cut or damage the tool.
5. Once the cut is complete, release the trigger and allow the blade to stop spinning before raising the saw arm.
6. Unclamp the workpiece and remove it from the work area.



Figure 5.1: Side view of the saw demonstrating the blade guard and the downward cutting motion. Always ensure the blade guard is in place during operation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your saw. Always disconnect the saw from the power source before performing any maintenance.

6.1 Cleaning

After each use, clean the saw to remove dust, debris, and material residue. Use a soft brush or compressed air to clear the motor vents and blade area. Do not use solvents or harsh chemicals that could damage plastic components.

6.2 Blade Inspection and Replacement

Inspect the blade regularly for sharpness and damage. A dull or damaged blade can lead to poor cuts and increased motor strain. Refer to Section 4.3 for detailed blade replacement instructions.

6.3 Belt and Pulley Check

Periodically check the drive belt and pulleys for wear or looseness. If the saw motor runs but the blade does not spin, or spins intermittently, the belt pulley may have come loose. Tighten any loose set screws on the pulleys to ensure proper belt tension and operation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Saw does not turn on.	No power supply; faulty switch.	Check power cord and outlet. Ensure switch is fully engaged. If problem persists, contact support.
Motor runs, but blade does not spin or spins intermittently.	Loose belt pulley set screw.	Disconnect power. Remove guards and check set screws on both pulleys. Tighten securely.
Saw bogs down or cuts slowly.	Dull blade; forcing the cut; incorrect blade for material.	Replace blade if dull. Apply less pressure during cutting. Ensure appropriate blade is used for the material.
Blade is off-center after replacement.	Blade not properly seated on washer.	Disconnect power. Re-open blade area and ensure the blade is perfectly centered on the washer before tightening the screw.

8. SPECIFICATIONS

Feature	Detail
Brand	Hercules
Model	929
Power Source	Corded Electric
Voltage	110 Volts
Wattage	80 watts
Speed	7800 RPM
Blade Length	2 Inches
Blade Material	High Speed Steel
Number of Teeth	60
Cutting Angle	Up to 45 Degrees
Surface Recommendation	Wood, Plastic, Soft Metals
Special Feature	Brake
Item Weight	3.7 Pounds
Package Dimensions	9.8 x 5.6 x 4.3 inches
UPC	855170001414

9. WARRANTY & SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please contact Hercules customer service. Refer to the product packaging or the manufacturer's official website for the most current

contact details.

Online Support: Visit the [Hercules Store on Amazon](#) for additional product information and support resources.