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› WnewTools Miter Gauge (Model ATOOL1400436) Instruction Manual

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For precise angle cuts on table saws

1. INTRODUCTION

The WnewTools Miter Gauge is a precision accessory designed for use with table saws and some band saws. It facilitates accurate angle cuts by guiding the workpiece parallel to the saw blade. This manual provides detailed instructions for the proper setup, operation, and maintenance of your miter gauge to ensure optimal performance and safety.



Figure 1: The WnewTools Miter Gauge, fully assembled and ready for use.

2. PRODUCT OVERVIEW

This miter gauge features a robust design with a brass handle for comfortable and secure grip. It includes a long guide bar that fits into standard table saw miter slots, and a pivoting head with an angle scale for precise adjustments. The locking mechanism ensures the set angle remains stable during operation.

Key Components:

- **Miter Bar:** The long guide that slides in the table saw's miter slot.
- **Pivoting Head:** The half-moon shaped component that allows angle adjustments.
- **Angle Scale:** Marked in degrees for precise angle setting.
- **Locking Mechanism:** Secures the pivoting head at the desired angle.
- **Brass Handle:** Provides a comfortable and firm grip for operation.
- **Adjustable Stop:** Located on the miter bar for fine-tuning fit in the miter slot.



Figure 2: Miter Gauge components including the main unit, Allen keys, and washers.

3. SETUP INSTRUCTIONS

3.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect the miter gauge for any signs of damage during transit. If any damage is found, do not proceed with assembly or use, and contact customer support.
3. Ensure all listed components are present: miter gauge assembly, brass handle, Allen keys, and washers.

3.2 Installation on Table Saw

1. Identify the miter slot on your table saw. The WnewTools Miter Gauge is designed to fit standard slots. Refer to the dimensions provided in the specifications section for compatibility.
2. Slide the miter bar into the table saw's miter slot.
3. Adjust the small brass knob on the side of the miter bar to ensure a snug fit within the miter slot. It should slide smoothly without excessive play. Use the included washers if necessary to achieve a tighter fit.

4. Ensure the miter gauge slides freely and parallel to the saw blade.



Figure 3: Dimensional diagram of the miter gauge, useful for checking compatibility with your table saw's miter slot.



Figure 4: Top-down view illustrating the miter bar, which slides into the table saw's miter slot.

4. OPERATING INSTRUCTIONS

4.1 Adjusting the Angle

1. Loosen the locking mechanism (typically a knob or lever) that secures the pivoting head.
2. Rotate the pivoting head until the indicator aligns with the desired angle on the angle scale. The scale typically ranges from 0 to 60 degrees in both directions.
3. Once the desired angle is set, firmly tighten the locking mechanism to prevent any movement during the cut.



Figure 5: Close-up view of the angle scale and locking knob, demonstrating how to set precise angles.

4.2 Making a Cut

1. Ensure the miter gauge is securely installed in the table saw's miter slot and the desired angle is locked.
2. Place the workpiece firmly against the flat face of the miter gauge.
3. With the saw blade lowered and the saw turned off, slide the miter gauge and workpiece forward to check the cut path. Ensure there are no obstructions.
4. Turn on the table saw.
5. Slowly and steadily push the miter gauge and workpiece through the saw blade, maintaining firm contact with the miter gauge face.
6. Once the cut is complete, turn off the saw and wait for the blade to stop before removing the workpiece and miter gauge.

Safety Note: Always wear appropriate safety gear, including eye protection and hearing protection, when operating power tools. Keep hands clear of the saw blade at all times.

5. MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your WnewTools Miter Gauge.

- **Cleaning:** After each use, wipe down the miter gauge with a clean, dry cloth to remove sawdust and debris. For stubborn residue, a mild cleaner can be used, ensuring it does not damage the finish or markings.
- **Lubrication:** Periodically apply a light coat of dry lubricant to the miter bar to ensure smooth sliding in the table saw slot. Avoid excessive lubrication that could attract sawdust.

- **Inspection:** Regularly check all fasteners and moving parts for tightness. Tighten any loose screws using the appropriate Allen keys.
- **Storage:** Store the miter gauge in a clean, dry environment to prevent rust and damage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your miter gauge.

- **Issue: Miter gauge sticks or binds in the table saw slot.**
 - **Solution:** Check the adjustable stop on the miter bar. Loosen it slightly to reduce friction. Clean the miter slot and miter bar to remove any debris. Apply a dry lubricant to the miter bar.
- **Issue: Miter gauge has too much play in the table saw slot.**
 - **Solution:** Tighten the adjustable stop on the miter bar to expand it slightly, creating a snugger fit. Ensure the washers are correctly installed if provided for your model.
- **Issue: Angle cuts are not accurate.**
 - **Solution:** Ensure the locking mechanism is fully tightened after setting the angle. Verify that the angle indicator is correctly aligned with the desired mark on the scale. Check for any debris preventing the pivoting head from seating properly.

7. SPECIFICATIONS

Feature	Detail
Brand	WnewTools
Model Number	ATOOL1400436
Product Dimensions	17.7"L x 7"W x 3.3"H
Item Weight	3.32 pounds
Handle Material	Copper (Brass)
Blade Material (Miter Gauge components)	High Speed Steel (likely referring to precision components)
Surface Recommendation	Aluminum, Brass, Copper, Plastic (for cutting applications with a saw)
Special Feature	Depth Adjustment (for miter bar fit)
Included Components	Attachments (Miter Gauge, Brass Handle, Allen Keys, Washers)

8. WARRANTY INFORMATION

The WnewTools Miter Gauge (Model ATOOL1400436) comes with a **Limited Warranty**. For specific details regarding the terms, conditions, and duration of your warranty, please refer to the warranty card included with your product or contact WnewTools customer support. This warranty typically covers defects in materials and workmanship under normal use.

9. CUSTOMER SUPPORT

If you have any questions, require assistance with setup or operation, or need to report a defect, please contact WnewTools customer support. Please have your model number (ATOOL1400436) and purchase information ready when contacting support.

For the most up-to-date contact information, please visit the official WnewTools website or refer to the contact details provided in your product packaging.