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> INGCO Jigsaw UJS57028 570W Professional User Manual

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INGCO Jigsaw UJS57028 570W Professional User Manual

Model: UJS57028

1. IMPORTANT SAFETY INSTRUCTIONS

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. Always wear eye protection and hearing protection.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

2. PRODUCT OVERVIEW

The INGCO UJS57028 Jigsaw is a versatile power tool designed for cutting various materials with precision. Familiarize yourself with its components before operation.



Figure 2.1: Main view of the INGCO UJS57028 Jigsaw, showing its ergonomic design and key features.

Key Features:

- Adjustable cutting angle (0-45°) for bevel cuts.
- 4-speed oscillation function for faster cutting in different materials.
- Non-slip handle for comfortable and secure grip.
- 5 variable speed settings to match the cutting speed to the material.
- Lock-on switch for continuous operation.

3. SPECIFICATIONS

Feature	Specification
Model	UJS57028
Input Power	570W
Voltage	110-120V~50/60Hz
No-load Speed	800-3000 RPM
Cutting Capacity (Wood)	65mm
Cutting Capacity (Steel)	8mm
Cutting Angle	0-45 Degrees
Oscillation Function	4 steps
Power Source	Corded Electric
Included Accessories	3pcs Saw Blades, 1 set Carbon Brushes

Información de producto

Voltaje:110-120V~50/60Hz

Entrada poder:570W

Velocidad sin carga:800-3000rpm

Capacidad de corte:

Madera:65mm

Acero:8mm

Función de péndulo de 4 pasos

Con 3pcs sierra hojas

Con 1juego escobillas de carbón

Empaquetado por caja de color



Figure 3.1: Visual representation of the jigsaw's key specifications.

4. SETUP

4.1 Blade Installation

1. Ensure the jigsaw is unplugged from the power source.
2. Locate the blade clamp mechanism on the front of the tool.

3. Open the blade clamp (refer to the tool's specific mechanism, usually a lever or screw).
4. Insert the shank of the jigsaw blade into the clamp, ensuring it is fully seated.
5. Securely close the blade clamp. Gently pull on the blade to confirm it is firmly held.

4.2 Adjusting Cutting Angle (Bevel Cuts)

The base plate can be tilted for bevel cuts up to 45 degrees.

Ángulo de corte ajustable de 0-45°

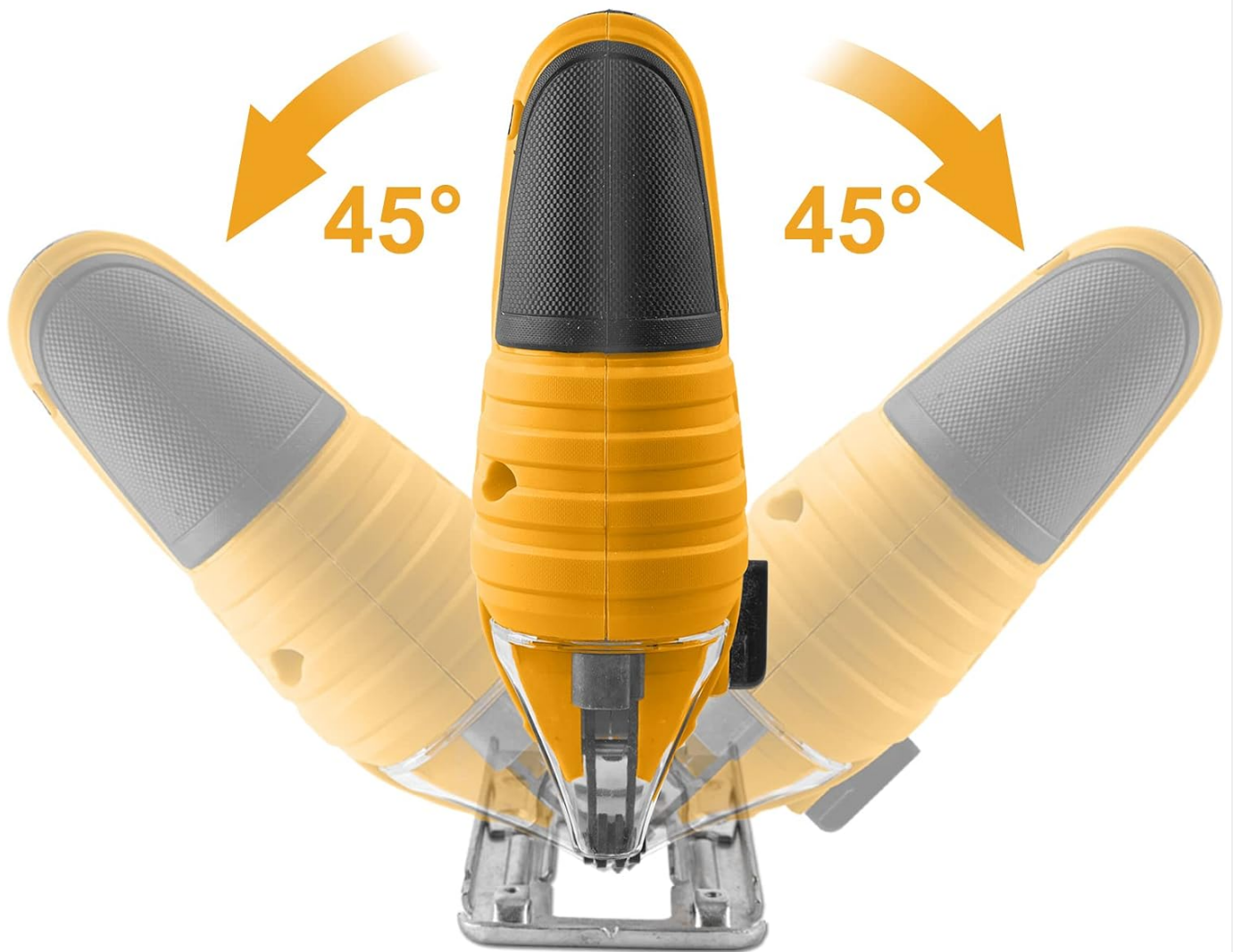


Figure 4.1: The jigsaw's base plate can be adjusted for bevel cuts from 0 to 45 degrees.

1. Unplug the tool.
2. Loosen the screws or lever that secure the base plate.
3. Tilt the base plate to the desired angle (0-45°). Use the angle scale for reference.
4. Tighten the screws or lever firmly to secure the base plate in position.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To turn on the jigsaw, press the trigger switch.
- To turn off, release the trigger switch.
- For continuous operation, press the trigger switch and then engage the lock-on button. To release, press the trigger switch again.

Interruptor de bloqueo

Seguro de operar



Figure 5.1: Location of the lock-on switch for safe and continuous operation.

5.2 Variable Speed Control

The jigsaw features 5 variable speed settings, allowing you to adjust the cutting speed according to the material and desired finish.

5 velocidades variables



Figure 5.2: The speed control dial, offering 5 variable settings for different materials.

- Rotate the speed control dial to select the appropriate speed. Lower speeds are suitable for harder materials or intricate cuts, while higher speeds are for softer materials and faster cutting.

5.3 Oscillation Control (Pendulum Function)

The 4-step oscillation function allows the blade to move in an elliptical motion, increasing cutting speed, especially in wood.

4 modos de oscilación



Figure 5.3: The oscillation mode selector, offering 4 settings for varied cutting performance.

- **Setting 0 (No Oscillation):** For fine, precise cuts in wood, plastic, and metal.
- **Settings 1-3 (Increasing Oscillation):** For faster, rougher cuts in wood and softer materials. Higher settings provide more aggressive cutting.

5.4 Cutting Techniques

Always ensure the workpiece is securely clamped.



Figure 5.4: Proper grip and positioning of the jigsaw during operation on a wooden workpiece.



Figure 5.5: Top-down view of the jigsaw in use, demonstrating control and visibility of the cutting line.



Figure 5.6: Close-up of the jigsaw blade making a cut in wood, highlighting the cutting action.

- **Straight Cuts:** Guide the jigsaw along a marked line, keeping the base plate flat on the workpiece.
- **Curve Cuts:** Use a narrower blade and apply steady, even pressure, allowing the blade to follow the curve.
- **Plunge Cuts:** For internal cuts without a pilot hole, tilt the tool forward so the front edge of the base plate rests on the workpiece. Start the tool, then slowly lower the blade into the material. This technique requires caution.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your jigsaw. Always unplug the tool before performing any maintenance.

- **Cleaning:** Keep the ventilation openings clear and clean. Regularly remove sawdust and debris from the base plate and blade area using a brush or compressed air.
- **Blade Replacement:** Replace dull or damaged blades promptly. Refer to section 4.1 for blade installation.
- **Carbon Brushes:** The tool includes a set of carbon brushes. Inspect them periodically for wear. Replace both brushes when one is worn down to approximately 1/4 inch (6mm). Refer to the specific instructions in the full manual for brush replacement.
- **Cord Inspection:** Regularly inspect the power cord for damage. If damaged, have it repaired by a qualified technician.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	No power supply; faulty switch; worn carbon brushes.	Check power connection; test outlet; replace switch; replace carbon brushes.
Blade not cutting efficiently	Dull or incorrect blade; incorrect speed/oscillation setting.	Replace blade; ensure correct blade for material; adjust speed/oscillation.
Excessive vibration	Loose blade; damaged blade; worn internal components.	Secure blade; replace blade; contact service center.
Smoke or burning smell	Overloading the tool; dull blade; motor issue.	Reduce cutting pressure; replace blade; discontinue use and seek professional service.

8. WARRANTY AND SUPPORT

INGCO products are manufactured to high-quality standards and are guaranteed against manufacturing defects. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official INGCO website. For technical support, spare parts, or service inquiries, please contact your local INGCO dealer or authorized service center.

Manufacturer: INGCO

Website: [www.ingco.com](#) (Example link, actual link may vary)

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