

Crown CT15189

Crown JIG SAW 85mm 710W - CT15189

User Instruction Manual

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1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your Crown JIG SAW 85mm 710W, model CT15189. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.



Figure 1: Crown CT15189 Jig Saw. This image shows the main unit of the jig saw, highlighting its ergonomic handle, blade guard, and base plate.

2. SAFETY INSTRUCTIONS

Always adhere to the following safety guidelines to minimize the risk of electric shock, fire, and serious injury.

- **Work Area Safety:** Keep the 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. Power tools create sparks which may ignite the dust or fumes. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- **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. A moment of inattention while operating power tools may result in serious personal injury. Use personal protective equipment. Always wear

eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool.

- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- **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.

3. PRODUCT COMPONENTS

Familiarize yourself with the various parts of your Crown CT15189 Jig Saw.



Figure 2: Jig Saw with included accessories. This image displays the jig saw unit, its retail packaging, and various accessories such as multiple blades and a guide.

1. **Main Unit:** The primary body of the jig saw, housing the motor and internal mechanisms.
2. **Handle:** Ergonomically designed for comfortable grip and control during operation.
3. **Blade Clamp/Chuck:** Mechanism for securely holding the jig saw blade. Features a quick-change system for easy blade replacement.
4. **Base Plate (Shoe):** The flat metal plate that rests on the workpiece, guiding the saw for accurate cuts.
5. **Orbital Action Selector:** A lever or dial (4-position) to adjust the blade's orbital motion for different cutting speeds and material types.
6. **Speed Control Dial:** Allows selection of 6 different levels of preselected timing functions for varying cutting speeds (700-3000 strokes/min).
7. **Power Cord:** For connecting the tool to a 220-230V~50/60HZ power source.
8. **Dust Blower/Extraction Port:** Helps clear sawdust from the cutting line.
9. **Blade Guard:** Transparent guard for safety and visibility of the cutting line.



Figure 3: Orbital Action Selector. This close-up view highlights the 4-position orbital action selector, allowing users to adjust the blade's cutting motion for different materials and speeds.

4. SETUP

Before operating the jig saw, ensure it is properly set up and all safety precautions are observed.

4.1. Blade Installation

1. **Disconnect Power:** Always unplug the jig saw from the power outlet before installing or changing blades.
2. **Open Blade Clamp:** Locate the quick-change blade chuck system. Depending on the design, this may involve lifting a lever, twisting a collar, or pressing a button to open the blade clamp.
3. **Insert Blade:** Insert the shank of the appropriate jig saw blade into the blade clamp opening. Ensure the teeth of the blade are facing forward (towards the front of the tool). Push the blade in until it clicks or is firmly seated.
4. **Secure Blade:** Release the blade clamp mechanism to secure the blade. Gently pull on the blade to confirm it is locked in place and cannot be easily removed.
5. **Select Blade Type:** Use blades suitable for the material you intend to cut (e.g., wood, metal, plastic). The CT15189 supports multiple choices for blades.

4.2. Adjusting the Base Plate (Bevel Cuts)

The base plate can be angled for bevel cuts. Refer to your specific model's instructions for unlocking and setting the desired angle. Ensure the base plate is securely tightened before operation.

4.3. Connecting to Power

Connect the power cord to a standard 220-230V~50/60HZ electrical outlet. Ensure the power switch on the tool is in the "OFF" position before plugging in.

5. OPERATING INSTRUCTIONS

Follow these steps for effective and safe operation of your jig saw.

5.1. Material Preparation

- **Secure Workpiece:** Always clamp the workpiece firmly to a stable surface to prevent movement during cutting.
- **Mark Cut Line:** Clearly mark your desired cutting line on the workpiece.

5.2. Adjusting Orbital Action

The CT15189 features a 4-position orbital action. Adjust this setting based on the material and desired cut quality:

- **Position 0 (No Orbital Action):** For fine, precise cuts in wood, metal, and plastics. Slower cutting, but cleaner edges.
- **Positions 1-3 (Increasing Orbital Action):** For faster, more aggressive cuts in wood and softer materials. Higher numbers provide more aggressive action, suitable for rough cuts.

5.3. Adjusting Speed

The jig saw has 6 different levels of preselected timing function for cutting different materials. Use the speed control dial to set the appropriate strokes per minute (700-3000/min):

- **Lower Speeds:** Ideal for cutting metals, plastics, and delicate materials to prevent overheating and melting.
- **Higher Speeds:** Suitable for faster cutting in wood and softer materials.

5.4. Making a Cut

1. **Start Position:** Place the front edge of the jig saw's base plate flat on the workpiece, ensuring the blade is clear of the material.
2. **Start the Tool:** Turn on the jig saw and allow it to reach full speed before engaging the blade with the material.
3. **Begin Cutting:** Gently guide the blade into the material along your marked line. Apply steady, even pressure. Do not force the tool; let the blade do the work.
4. **Maintain Contact:** Keep the base plate flat against the workpiece throughout the cut to ensure stability and accuracy.
5. **Finish Cut:** Once the cut is complete, turn off the tool and wait for the blade to stop completely before lifting the jig saw from the workpiece.

5.5. Plunge Cuts (Internal Cuts)

For internal cuts without a pilot hole, tilt the jig saw forward so the front edge of the base plate rests on the workpiece and the blade is above the surface. Start the tool, then slowly pivot the tool downwards until the blade plunges through the material. Once through, flatten the base plate and proceed with the cut.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your jig saw.

6.1. Cleaning

- **Disconnect Power:** Always unplug the tool before cleaning.

- **Remove Dust and Debris:** Use a brush or compressed air to remove sawdust and debris from the ventilation openings, blade area, and base plate. The unique sealing structure helps prevent dust from entering the reciprocating system.
- **Wipe Down:** Wipe the exterior of the tool with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2. Blade Replacement

Replace blades when they become dull or damaged. Refer to Section 4.1 for blade installation instructions. Always use sharp blades for efficient and safe cutting.

6.3. Cord Inspection

Regularly inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it replaced by a qualified service technician.

6.4. Storage

Store the jig saw in a dry, secure location, out of reach of children. Protect it from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Crown CT15189 Jig Saw.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; Power cord damaged; Switch faulty.	Check power outlet and circuit breaker. Inspect power cord for damage. If switch is faulty, seek professional repair.
Blade not cutting efficiently or burning wood.	Dull or incorrect blade; Too much feed pressure; Incorrect speed setting.	Replace with a sharp, appropriate blade for the material. Reduce feed pressure. Adjust speed setting (higher for wood, lower for metal/plastic).
Excessive vibration.	Loose blade; Damaged blade; Worn internal components.	Ensure blade is securely installed. Replace damaged blade. If problem persists, seek professional service.
Blade bends or breaks.	Forcing the tool; Incorrect blade for material thickness; Blade hitting an obstruction.	Do not force the tool. Use appropriate blade for material. Ensure workpiece is clear of obstructions.
Dust accumulation despite sealing structure.	Blocked dust port; Excessive fine dust.	Clear any blockages from the dust port. For very fine dust, consider using a vacuum attachment if available.

If you encounter issues not listed here or if solutions do not resolve the problem, contact Crown customer support or a qualified service center.

8. SPECIFICATIONS

Technical specifications for the Crown JIG SAW 85mm 710W - CT15189.

Feature	Detail
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Feature	Detail
Model Number	CT15189
Type	Jig Saw (Saws and Cutters)
Power Source	Corded Electric
Voltage Frequency	220-230V~50/60HZ
Input Power	710W
No Load Speed	700-3000/min (RPM)
Stroke Length	26mm
Max. Cutting Capacity (Wood)	85mm
Max. Cutting Capacity (Aluminum)	20mm
Max. Cutting Capacity (Steel)	10mm
Orbital Action	4 Position
Speed Control	6 different levels of preselected timing function
Handle Material	Plastic (Ergonomic design)
Blade Material	High Speed Steel (Multiple choices for blade)
Special Features	Depth Adjustment, Quick change blade chuck system, Unique sealing structure to prevent dust entering reciprocating system
Included Components	Multiple Blades
Item Weight	2.9 Kilograms
Product Dimensions (L x W x H)	28 x 6.5 x 19 cm
Color	Grey

9. WARRANTY & SUPPORT




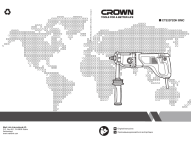
Crown products are manufactured to high-quality standards. For information regarding warranty coverage and customer support, please refer to the warranty card included with your product or visit the official Crown website.

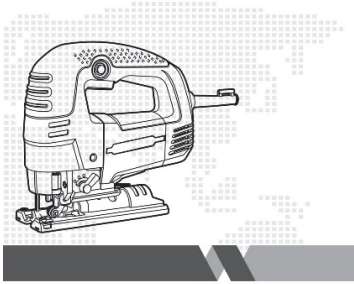
Extended warranty options may be available through third-party providers such as Salama Care. Please check with your retailer for details on 1-Year or 2-Year extended warranty plans.

For technical assistance, spare parts, or service inquiries, please contact an authorized Crown service center.

You can visit the official Crown store for more information: [Crown Official Store](#)

Related Documents

	<p>Crown CT28010XS-4 Cordless Rotary Hammer Manual</p> <p>Official instruction manual for the Crown CT28010XS-4 cordless rotary hammer, detailing specifications, safety guidelines, and usage instructions.</p>
	<p>Crown ALW 100T Washing Machine User Manual</p> <p>This user manual provides important safety information, operating instructions, and maintenance guidance for the Crown ALW 100T washing machine. Learn about installation, control panel overview, program selection, and troubleshooting.</p>
	<p>CROWN Rotary Hammer CT18180-CT18183 BMC: User Manual & Safety Guide</p> <p>Comprehensive user manual and safety guide for CROWN CT18180 BMC, CT18181 BMC, CT18182 BMC, CT18183 BMC rotary hammers, covering operation, safety, and technical specifications.</p>
	<p>CROWN CT32072DH BMC Rotary Hammer - User Manual and Safety Instructions</p> <p>This document provides comprehensive instructions and safety guidelines for the CROWN CT32072DH BMC Rotary Hammer. It covers technical specifications, operating procedures, safety precautions, and maintenance information.</p>



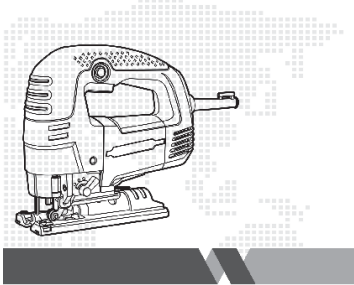
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