

CROWN CT15188-190



Crown CT15188 Circular Saw

User Instruction Manual

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Crown CT15188 Circular Saw. Please read this manual thoroughly before operating the tool and keep it for future reference. Failure to follow all instructions may result in electric shock, fire, and/or serious injury.

General Power Tool Safety Warnings

- **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. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use personal protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **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.

2. PRODUCT OVERVIEW

The Crown CT15188 is a corded electric circular saw designed for cutting wood and similar materials. It features a 190mm blade and a powerful 1500W motor, operating at 220V/60Hz. Understanding its components is crucial for safe and efficient use.



Image 2.1: The Crown CT15188 Circular Saw, showcasing its main body, handle, blade guard, and base plate.

Key Components



Image 2.2: A detailed diagram illustrating the various parts of a circular saw, including the main handle, auxiliary handle, trigger switch, upper blade guard, lower blade guard, blade, base plate, depth adjustment lever, and bevel adjustment knob.

1. **Main Handle:** Ergonomically designed for primary grip and control.
2. **Auxiliary Handle:** Provides additional grip for stability and control during operation.
3. **Trigger Switch:** Activates and deactivates the motor.
4. **Lock-off Button:** Prevents accidental starting of the saw.
5. **Upper Blade Guard:** Fixed guard covering the top portion of the blade.
6. **Lower Blade Guard:** Retractable guard that covers the blade when not cutting.
7. **Saw Blade:** The cutting accessory, 190mm diameter.
8. **Base Plate (Shoe):** Supports the saw on the workpiece and guides the cut.
9. **Depth Adjustment Lever:** Allows adjustment of the cutting depth.
10. **Bevel Adjustment Knob:** Allows adjustment of the cutting angle (bevel).
11. **Spindle Lock Button:** Used to lock the spindle for blade changes.

3. SETUP

Proper setup ensures safe and accurate operation of your circular saw.

3.1 Unpacking and Inspection



Image 3.1: The Crown CT15188 Circular Saw, its packaging, and included accessories such as the instruction manual and blade wrench.

- Carefully remove the saw and all accessories from the packaging.
- Inspect the tool for any damage that may have occurred during shipping. Do not operate if damaged.
- Ensure all listed components are present: Circular Saw, Saw Blade (if not pre-installed), Blade Wrench, Parallel Guide (if included), User Manual.

3.2 Blade Installation/Removal

WARNING: Always disconnect the saw from the power supply before changing the blade.

1. Place the saw on a stable surface with the blade side facing up.
2. Press and hold the spindle lock button to prevent the blade from rotating.
3. Using the provided blade wrench, loosen the blade retaining bolt by turning it counter-clockwise.
4. Remove the outer flange and the old blade.
5. Clean the inner and outer flanges.
6. Install the new blade, ensuring the rotation arrow on the blade matches the rotation arrow on the saw's upper guard.
7. Replace the outer flange and tighten the blade retaining bolt clockwise with the blade wrench while holding the spindle lock button. Do not overtighten.
8. Release the spindle lock button.

3.3 Adjusting Cutting Depth

The cutting depth should be set so that the blade extends approximately 3-6mm (1/8"-1/4") below the workpiece. This minimizes kickback and provides a cleaner cut.

1. Loosen the depth adjustment lever.
2. Raise or lower the base plate until the desired blade depth is achieved.
3. Tighten the depth adjustment lever securely.

3.4 Adjusting Bevel Angle

The saw can make bevel cuts up to 45 degrees.

1. Loosen the bevel adjustment knob.
 2. Tilt the base plate to the desired angle, indicated on the bevel scale.
 3. Tighten the bevel adjustment knob securely.
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4. OPERATING

Always ensure your work area is clear and you are wearing appropriate personal protective equipment before operating the saw.

4.1 Starting and Stopping the Saw

- **To Start:** Press the lock-off button (if present), then squeeze the trigger switch.
- **To Stop:** Release the trigger switch. The blade will coast to a stop.

4.2 Making a Cut

1. Secure the workpiece firmly with clamps to prevent movement during cutting.
2. Position the saw's base plate flat on the workpiece, ensuring the blade is clear of the material.
3. Start the saw and allow the blade to reach full speed before engaging the material.
4. Slowly and steadily push the saw forward through the workpiece, maintaining firm contact with the base plate. Do not force the saw.
5. Once the cut is complete, release the trigger switch and allow the blade to stop completely before lifting the saw from the workpiece.

4.3 Kickback Prevention

Kickback is a sudden reaction to a pinched, bound, or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator. To avoid kickback:

- Maintain a firm grip on the saw with both hands.
 - Ensure the workpiece is properly supported and stable.
 - Never cut freehand.
 - Do not overreach.
 - Ensure the blade is sharp and clean.
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5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your circular saw.

5.1 Cleaning

- **WARNING:** Disconnect the saw from the power supply before cleaning.
- Regularly clean the ventilation openings to prevent motor overheating.
- Remove sawdust and debris from the blade guard and base plate using a brush or compressed air.
- Keep handles dry, clean, and free from oil and grease.

5.2 Blade Care

- Inspect the blade regularly for sharpness, cracks, or missing teeth. Replace damaged blades

immediately.

- Clean resin and pitch buildup from the blade using a suitable blade cleaner.

5.3 Storage

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

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your circular saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply Faulty switch Motor overload protection activated	Check power cord and outlet Contact service center Allow motor to cool, reduce load
Blade binds or stalls during cut	Dull blade Improper cutting depth Workpiece not properly supported Forcing the saw	Replace or sharpen blade Adjust cutting depth Secure workpiece firmly Reduce feed rate
Poor cut quality (rough, splintering)	Dull or incorrect blade type Incorrect cutting depth Too fast feed rate	Use a sharp blade suitable for the material Adjust cutting depth Reduce feed rate
Excessive vibration	Damaged or unbalanced blade Loose components	Replace blade Check and tighten all fasteners

7. SPECIFICATIONS

Technical data for the Crown CT15188 Circular Saw.

Feature	Specification
Model Number	CT15188-190
Power Source	Corded Electric
Voltage	220 Volts
Wattage	1500 watts
Blade Diameter	190 mm
No-Load Speed	5000 RPM
Item Weight	4.4 Kilograms

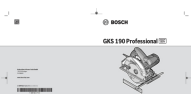
Feature	Specification
Product Dimensions (L x W x H)	29.5 x 22 x 25 cm
Material	Alloy Steel (Blade), Nylon (Handle)
Special Features	Depth Adjustment

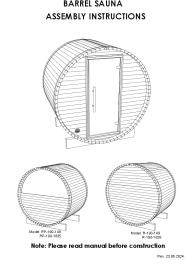
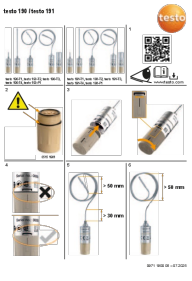
8. WARRANTY AND SUPPORT

Crown power tools are manufactured to high-quality standards. For warranty information, service, or technical support, please refer to the warranty card included with your product or contact your local Crown authorized service center. Keep your purchase receipt as proof of purchase.

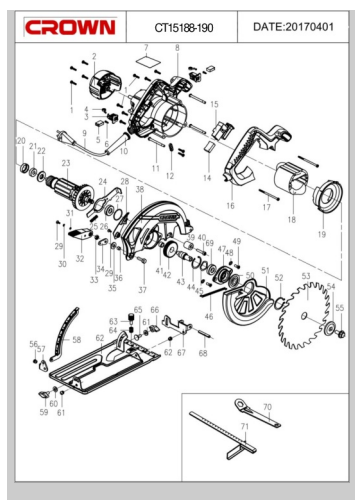
For additional support or inquiries, please visit the official Crown website or contact their customer service department.

Related Documents - CT15188-190

	WORKZONE 1500W Circular Saw with Laser M1Y-DU10-190 User Manual and Safety Guide Official operating instructions and safety guide for the WORKZONE 1500W Circular Saw with Laser, model M1Y-DU10-190. Includes assembly, technical data, maintenance, disposal, and warranty information.
	Radio Station 190 (Ra 190) Technical Manual - Part II Detailed technical manual for the Radio Station 190 (Ra 190), covering construction, function, service, and technical data. This manual is intended for service personnel and provides in-depth information on the transmitter, receiver, and associated components.
	Bosch GKS 190 Professional Circular Saw Operating Manual and Safety Instructions Comprehensive operating manual and safety guide for the Bosch GKS 190 Professional circular saw. Features include detailed instructions, technical specifications, and safety warnings for effective wood cutting.

 BARREL SAUNA ASSEMBLY INSTRUCTIONS Note: Please read manual before construction	Barrel Sauna Assembly Instructions - RP-190-149, R-190-149 Comprehensive assembly instructions for Barrel Sauna models RP-190-149, RP-190-1835, R-190-149, and R-190-1835. This guide provides detailed steps, part lists, and diagrams to facilitate the construction of your barrel sauna.
 Testo 190/191	Testo 190/191 Data Loggers: User Guide and Specifications Comprehensive guide to the Testo 190 and Testo 191 series of data loggers, covering features, specifications, and usage instructions. Includes information on temperature and humidity monitoring for various applications.
 Access Crown	Access Crown Temporary Crown and Bridge Material - Instructions for Use Comprehensive instructions for using Access Crown temporary crown and bridge material, including product description, indications, contraindications, application steps, repair procedures, additional uses, mixing timeline, and safety information. Suitable for dental professionals.

Documents - CROWN – CT15188-190



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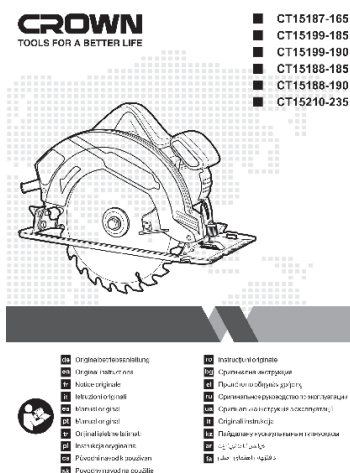
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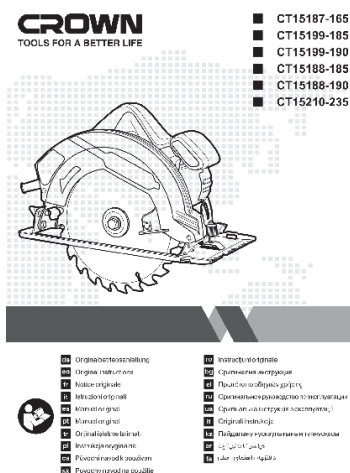
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