

TCS-115-A

Generic TCS115A Mini Circular Saw Instruction Manual

Model: TCS-115-A

Brand: Generic

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe operation, maintenance, and setup of your Generic TCS115A Mini Circular Saw. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury.

General Safety Warnings

- Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and gloves.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away while operating the power tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always unplug the saw from the power source before making any adjustments, changing accessories, or storing the tool.
- Secure the workpiece firmly to prevent movement during cutting.
- Avoid accidental starting. Ensure the switch is in the off-position before plugging in.
- Maintain a firm grip on the saw with both hands during operation.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x TCS115A Mini Circular Saw
- 1 x Elbow Dust Port
- 1 x Hex Key
- 1 x Metal Handle
- 1 x Parallel Guide
- 6 x Blades:
 - 2 x 120mm TCT Blades for wood cuts
 - 2 x 115mm HSS Blades for wood and soft metal cuts
 - 2 x 115mm Grit Diamond Blades for tile cuts



Hard Alloy



Steel



Resin

Image: The included set of six blades, featuring TCT blades for wood, HSS blades for wood and soft metal, and diamond blades for tile.

3. PRODUCT FEATURES

- **Powerful Motor:** Equipped with a 5.8 Amp copper motor, delivering 3500 RPM for efficient cutting.
- **Versatile Blades:** Includes 6 blades suitable for cutting wood, soft metal, and tile.
- **Adjustable Cutting:** Offers flexible 0-45° bevel cutting and adjustable depth up to 1-11/16 inches (42.9mm) at 90° and 1-3/8 inches (34.9mm) at 45°.
- **Laser Guide:** Integrated laser for enhanced cutting accuracy and straight lines.
- **Ergonomic Metal Handle:** Provides a firm grip, reduces fatigue, and enhances cutting stability. It is easily installed and removed without auxiliary tools.
- **Safety Design:** Features a double protection switch to prevent accidental activation.
- **Dust Port:** Allows connection to a shop vacuum for a cleaner work environment.

4. SETUP

4.1 Installing the Metal Handle

1. Locate the threaded port on the front of the saw housing.
2. Screw the metal handle clockwise into the port until it is securely tightened. No additional tools are required.

4.2 Installing/Changing the Blade

1. **Ensure the saw is unplugged from the power source.**
2. Press and hold the spindle lock button to prevent the blade from rotating.
3. Using the provided hex key, loosen the blade arbor screw by turning it counter-clockwise.
4. Remove the outer flange and the old blade.
5. Clean any dust or debris from the blade flanges.
6. Place the new blade onto the arbor, ensuring the teeth are pointing in the direction of the arrow on the saw guard.
7. Replace the outer flange and tighten the blade arbor screw clockwise with the hex key while holding the spindle lock button. Ensure the blade is securely fastened.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To turn the saw ON, press the double protection switch (safety button) and then squeeze the trigger switch.
- To turn the saw OFF, release the trigger switch. The double protection switch ensures the saw does not start accidentally.



Vacuum Adapter Keeps Work Environment Clean
Double-safety Switch Ensures Safe Operation

Image: The saw's ergonomic design, highlighting the double safety switch for secure operation and the dust port for debris management.

5.2 Adjusting Cutting Depth

1. **Ensure the saw is unplugged.**
2. Loosen the depth adjustment lever located on the side of the saw.
3. Raise or lower the base plate to achieve the desired cutting depth. Use the depth scale for precise measurement.
4. Tighten the depth adjustment lever securely before operation.

5.3 Adjusting Bevel Angle (0-45°)

1. **Ensure the saw is unplugged.**
2. Loosen the bevel adjustment knob/lever.
3. Tilt the base plate to the desired angle between 0° and 45°. Refer to the angle scale for accuracy.
4. Tighten the bevel adjustment knob/lever firmly before operation.



Image: The saw's capability to adjust cutting depth (up to 1-11/16 inches at 90°) and bevel angle (up to 45° with 1-3/8 inches depth).

5.4 Using the Laser Guide

- The integrated laser guide projects a line onto the workpiece, indicating the cutting path.
- Align the laser line with your marked cut line for precise and straight cuts.



Metal Handle For Firm Grip Laser Design For Straight Cuts

Image: A user operating the mini circular saw, demonstrating the laser guide projecting a red line for accurate straight cuts.

5.5 Dust Collection

- Attach the elbow dust port to the saw's dust extraction outlet.
- Connect a shop vacuum hose to the dust port to collect sawdust and debris, maintaining a cleaner work area.

6. MAINTENANCE

6.1 Cleaning

- **Always unplug the saw before cleaning.**
- Regularly clean the saw's ventilation openings to prevent overheating. Use a soft brush or compressed air.
- Wipe down the exterior of the saw with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Remove sawdust and debris from the blade guard and base plate to ensure smooth operation and accurate cuts.

6.2 Blade Care

- Inspect blades before each use for damage, dullness, or missing teeth. Replace damaged blades immediately.
- Keep blades sharp for optimal cutting performance and safety.
- Store blades properly to prevent damage and corrosion.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Saw does not start	No power supply; Safety switch not engaged; Faulty power cord/switch	Check power connection; Ensure both safety and trigger switches are pressed; Inspect power cord/switch for damage.
Poor cutting performance / Excessive effort required	Dull or incorrect blade; Incorrect cutting depth; Overloading the saw	Replace with a sharp, appropriate blade; Adjust cutting depth; Reduce feed rate, do not force the saw.
Saw vibrates excessively	Loose blade; Damaged blade; Loose components	Tighten blade arbor screw; Replace damaged blade; Check all fasteners for tightness.
Laser guide not visible	Dirty laser lens; Low battery (if applicable)	Clean laser lens; Replace CR2032 batteries (if applicable, check manual for battery compartment).

8. SPECIFICATIONS

Feature	Specification
Model Number	TCS-115-A
Power Source	Corded Electric
Motor Power	5.8 Amps (696 Watts)
No-Load Speed	3500 RPM (3600 RPM listed in some specs)
Max Cutting Depth (90°)	1-11/16 inches (42.9mm)
Max Cutting Depth (45° Bevel)	1-3/8 inches (34.9mm)
Bevel Capacity	0° to 45°
Handle Material	Metal
Item Weight	3.85 kg
Product Dimensions	45L x 18W x 12.5H Centimetres
Blade Material	High Speed Steel (HSS) for some blades

Feature	Specification
Laser Batteries (if applicable)	CR2032 batteries required (for laser)

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This Generic TCS115A Mini Circular Saw comes with a **30-day limited warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage resulting from misuse, abuse, neglect, unauthorized repairs, or normal wear and tear.

9.2 Customer Support

For technical assistance, warranty claims, or questions regarding your product, please contact the retailer or manufacturer's customer service department. Please have your model number (TCS-115-A) and proof of purchase available when contacting support.