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Total TS1141856

Total Circular Saw TS1141856 User Manual

Model: TS1141856 | Brand: Total

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Total Circular Saw Model TS1141856. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

SAFETY INFORMATION

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

- Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and dust mask.
- Ensure the workpiece is securely clamped before cutting.
- Keep hands clear of the cutting area and the rotating blade.
- Disconnect the saw from the power source before making any adjustments or changing blades.
- Do not operate the saw in damp or wet conditions.
- Keep the work area clean and well-lit.
- Use only blades designed for the saw and the material being cut.

COMPONENTS OVERVIEW

Familiarize yourself with the main parts of your circular saw:



Figure 1: Overall view of the Total Circular Saw TS1141856, showing the blade guard, handle, motor housing, and base plate.

1. **Blade Guard:** Retracts automatically during cutting to expose the blade.
2. **Handle:** Main grip for operating the saw.
3. **Motor Housing:** Contains the motor and internal components.
4. **Base Plate (Shoe):** Rests on the workpiece and guides the saw.
5. **Depth Adjustment Lever:** Used to set the cutting depth.
6. **Bevel Adjustment Lever:** Used to set the cutting angle (bevel).
7. **Blade:** The cutting component, 185mm diameter.
8. **Spindle Lock Button:** Used to lock the spindle for blade changes.
9. **Power Switch:** Activates the motor.

SETUP

1. Blade Installation

1. Ensure the saw is unplugged from the power source.
2. Press and hold the spindle lock button.
3. Using the provided wrench, loosen the blade retaining nut by turning it counter-clockwise.
4. Lift the lower blade guard and remove the old blade (if applicable).
5. Place the new 185mm blade onto the spindle, ensuring the teeth are pointing in the direction of rotation (usually indicated by an arrow on the saw and blade).

6. Tighten the blade retaining nut clockwise with the wrench while holding the spindle lock button. Do not overtighten.

2. Adjusting Cutting Depth

The cutting depth should be set so that the blade extends approximately 1/8 inch (3mm) below the workpiece.

1. Loosen the depth adjustment lever.
2. Raise or lower the base plate to achieve the desired cutting depth.
3. Tighten the depth adjustment lever securely.

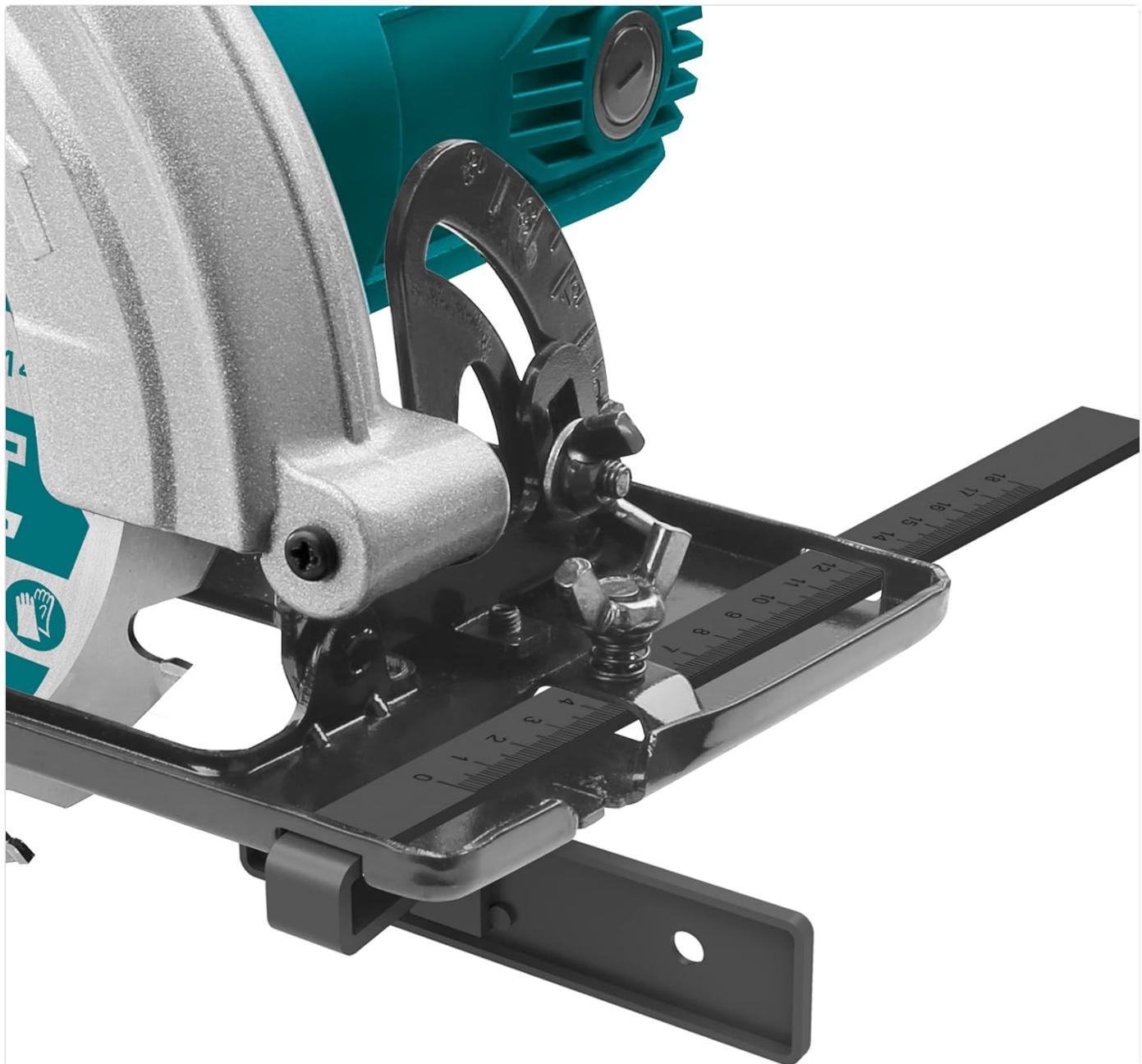


Figure 2: Close-up view of the base plate and adjustment mechanisms for cutting depth and bevel angle.

3. Adjusting Bevel Angle

The saw can make bevel cuts up to 45 degrees.

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

OPERATING INSTRUCTIONS

1. General Operation

Before starting, ensure the workpiece is stable and marked for cutting. Connect the saw to a 220-240V~50/60Hz power supply.



Figure 3: The circular saw in operation, demonstrating a straight cut on a wooden board. Note the sawdust being generated.

1. Hold the saw firmly with both hands.
2. Align the blade with your cutting line.
3. Press the power switch to start the motor. Allow the blade to reach full speed (4800rpm) before beginning the cut.
4. Slowly push the saw forward through the workpiece, maintaining a steady, even pressure. Do not force the saw.
5. Once the cut is complete, release the power switch and allow the blade to stop completely before lifting the saw from the workpiece.



Figure 4: A user demonstrating safe operation of the circular saw, wearing appropriate personal protective equipment including a hard hat, safety glasses, and a dust mask.

2. Using the Parallel Guide

The parallel guide (rip fence) can be used for making straight cuts parallel to the edge of the workpiece.

1. Slide the parallel guide into the slots on the front of the base plate.
2. Adjust the guide to the desired width from the blade and tighten its locking screw.
3. Keep the guide firmly against the edge of the workpiece during the cut.

MAINTENANCE

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

- **Cleaning:** After each use, unplug the saw and use a brush or compressed air to remove sawdust and debris from the motor vents, blade guard, and base plate.
- **Blade Care:** Inspect the blade regularly for dullness, damage, or missing teeth. Replace dull or damaged blades immediately.
- **Cord Inspection:** Check the power cord for any cuts, fraying, or damage. Do not use the saw if the cord is damaged.
- **Lubrication:** This tool is designed for maintenance-free operation. Do not lubricate internal components.
- **Storage:** Store the saw in a dry, secure location out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Saw does not start	No power supply; Faulty switch; Damaged cord	Check power outlet and connections; Consult qualified technician for switch/cord repair.

Problem	Possible Cause	Solution
Blade binds or smokes	Dull blade; Incorrect cutting depth; Forcing the saw; Improper blade for material	Replace blade; Adjust cutting depth; Reduce feed rate; Use appropriate blade.
Inaccurate cuts	Blade not properly installed; Base plate not square to blade; Loose adjustments	Reinstall blade correctly; Check and adjust base plate squareness; Tighten all adjustment levers.
Excessive vibration	Damaged or unbalanced blade; Loose components	Replace blade; Check all fasteners for tightness.

SPECIFICATIONS

Feature	Detail
Model Number	TS1141856
Type	Circular Saw
Power Source	Corded Electric
Brand	Total
Voltage	220-240V~50/60Hz
Input Power	1400W
No-load Speed	4800rpm
Blade Diameter	185x20mm
Cutting Capacity (45°)	44mm
Cutting Capacity (90°)	65mm
Adjustable Cutting Depth	Yes
Adjustable Bevel Cutting	Yes
Item Weight	5.29 Kilograms
Product Dimensions	10 x 20 x 37 cm
Handle Material	Plastic
Special Features	Bevel Capability

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official Total Tools website or contact their customer service. Keep your purchase receipt as proof of purchase.

Online Resources: www.totaltools.com

