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› TCE Torin ACP01U 4-inch Mini Cordless Chainsaw User Manual

TCE ACP01U

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Model: ACP01U

1. IMPORTANT SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this mini cordless chainsaw. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Personal Protective Equipment (PPE):** Always wear safety goggles to protect your eyes from flying debris. Wear non-slip gloves for a secure grip and hand protection.
- **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.
- **Electrical Safety:** 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.
- **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.
- **Battery Safety:** Use only the specified charger for the battery pack. Do not use battery packs with any other power tools.
- **Kickback Prevention:** Be aware of kickback. Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.

2. PRODUCT OVERVIEW

The TCE Torin ACP01U Mini Cordless Chainsaw is designed for efficient wood cutting, garden pruning, tree pruning, and shrub pruning. It features a powerful motor and a durable chain for effective operation.



Figure 2.1: Key Components of the TCE Torin Mini Cordless Chainsaw.

This diagram illustrates the main parts of the chainsaw: the high hardness chain for cutting, the guide plate that supports the chain, a protective baffle to shield against debris, the power switch for activation, a security lock button for safe operation, a non-slip handle for comfortable grip, and the rechargeable battery that powers the unit.

HIGH SECURITY



Step1

Press the lock button



Step2

Press the switch button



Figure 2.2: Detailed Features of the Chainsaw.

This image highlights the chainsaw's key advantages: a security lock button for preventing accidental starts, a high-power copper motor for efficient performance, quality rechargeable batteries for extended use, and an anti-splash baffle for user protection during operation.

3. SETUP

3.1 Battery Installation

Ensure the battery is fully charged before first use. To install the battery, align the battery pack with the base of the chainsaw handle and slide it in until it clicks securely into place.

Your browser does not support the video tag.

Video 3.1: Battery Installation and Initial Operation.

This video demonstrates how to correctly install the battery into the chainsaw and the initial steps to activate the tool, including pressing the safety catch before starting the chain saw.

3.2 Chain and Guide Plate Installation/Replacement

The chainsaw comes with the chain and guide plate pre-installed. If replacement or re-installation is necessary, follow these steps:

1. **Step 1:** Unscrew the screws on the side cover and remove the cover.
2. **Step 2:** Carefully remove the guide plate and the chain. When installing a new chain, ensure the sawteeth are facing forward, indicating correct installation direction.
3. **Step 3:** Install the guide plate and adjust the chain slack using a screwdriver. The chain should have a slight amount of play but not be too loose.
4. **Step 4:** Close the lid and tighten the screws securely.



Figure 3.1: How to Change the Chainsaw Chain.

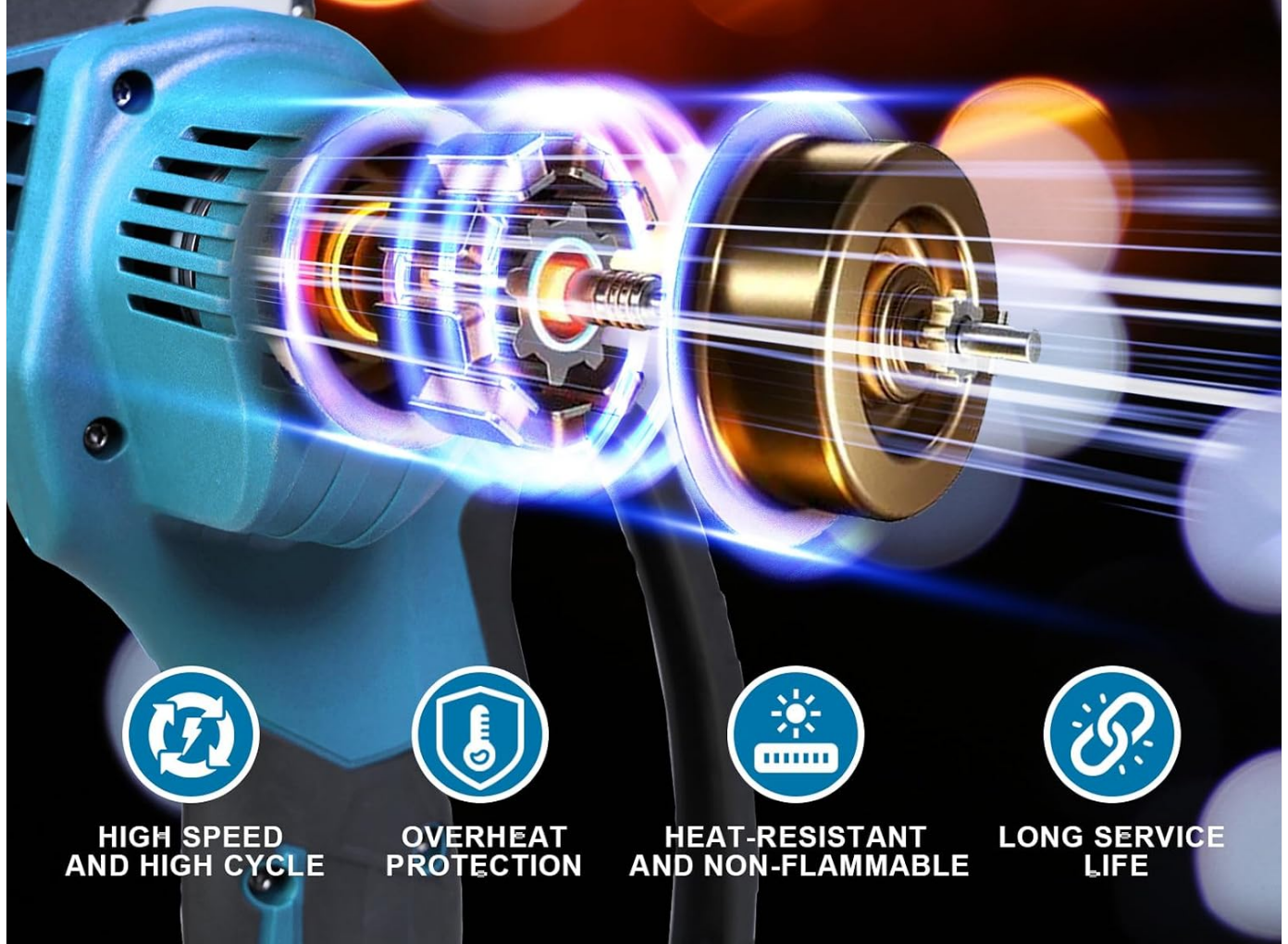
This image provides a step-by-step visual guide for changing the chainsaw chain. It shows how to unscrew the cover, remove the old chain and guide plate, correctly install the new chain ensuring the teeth face the right direction, adjust the chain tension, and finally re-secure the cover by tightening the screws.

4. OPERATION

Before operating, ensure all safety precautions are observed and the battery is fully charged and securely installed.

1. **Starting the Chainsaw:** To start the chainsaw, first press the safety lock button, then press the power switch (trigger). The safety lock prevents accidental activation.
2. **Cutting Technique:** Hold the chainsaw firmly with both hands. Position the chainsaw against the material to be cut. Apply steady, even pressure. Allow the chainsaw to do the work; do not force it.
3. **Protective Baffle:** The integrated protective baffle helps prevent wood chips from splashing during operation. Always ensure it is in place.
4. **Applications:** This mini chainsaw is suitable for various tasks including forest cutting, pruning, gardening, and carpentry DIY.

HIGH POWER PREMIUM COPPER MOTOR



**HIGH SPEED
AND HIGH CYCLE**



**OVERHEAT
PROTECTION**



**HEAT-RESISTANT
AND NON-FLAMMABLE**



**LONG SERVICE
LIFE**

Figure 4.1: Chainsaw Activation Steps.

This image demonstrates the two-step process for safely activating the chainsaw: first, press the security lock button, and then press the main power switch (trigger) to start the motor and chain.

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2*1500MA 21V RECHARGEABLE BATTERY

//////

WORKING TIME: 30-40 MINS*2



**OVER-VOLTAGE
PROTECTION**



**OVER-CHARGE
PROTECTION**



**OVER-TEMPERATURE
PROTECTION**

Figure 4.2: Chainsaw in Use with Splash Prevention.

This image shows the chainsaw actively cutting a branch, highlighting the effectiveness of the protective baffle in preventing wood chips from scattering, thus enhancing user safety.

DETAILED ADVANTAGES



SECURITY LOCK BUTTON



NON-SLIP HANDLE



QUALITY BATTERIES



HIGH POWER COPPER MOTOR



ANTI-SPLASH BAFFLE

Figure 4.3: Versatile Applications of the Mini Chainsaw.

This composite image displays the chainsaw being used for various tasks: cutting a tree trunk, sawing through a piece of wood, logging bamboo, and pruning branches in an orchard, showcasing its versatility for different cutting needs.

5. MAINTENANCE

- **Chain Sharpening:** Regularly check the sharpness of the chain. A dull chain can reduce cutting efficiency and increase the risk of kickback. Sharpen or replace the chain as needed.
- **Chain Tension:** Ensure the chain tension is correct. A chain that is too loose can derail, and a chain that is too tight can cause excessive wear to the guide bar and motor.
- **Cleaning:** After each use, clean the chainsaw, especially the guide bar and chain, to remove sawdust and debris. Use a brush or compressed air. Ensure the battery is removed before cleaning.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Charge batteries fully before long-term storage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Chainsaw does not start	Battery not installed correctly or discharged. Safety lock not engaged.	Ensure battery is fully charged and properly seated. Press the safety lock button before pressing the power switch.
Poor cutting performance	Dull chain. Incorrect chain tension.	Sharpen or replace the chain. Adjust chain tension as per instructions.
Chain derails frequently	Chain too loose. Worn guide bar.	Adjust chain tension. Inspect guide bar for wear and replace if necessary.
Overheating	Continuous heavy use. Blocked ventilation.	Allow the tool to cool down. Clear any debris from ventilation openings.

7. SPECIFICATIONS

Brand: TCE

Model Number: ACP01U

Power Source: Battery Powered

Motor Power: 550 Watts (High powered premium copper motor)

Rotational Speed: 3200 rpm

Chain Speed: 16.4 ft/s

Guide and Chain Material: 65 gauge manganese steel

Battery Type: 2 x 12V-1500mA Lithium Ion rechargeable batteries (included)

Battery Life: 30-40 minutes per battery

Item Weight: 4.83 Pounds

Product Dimensions: 13.78"L x 4.53"W x 7.87"H

Manufacturer: Torin

UPC: 810104646451

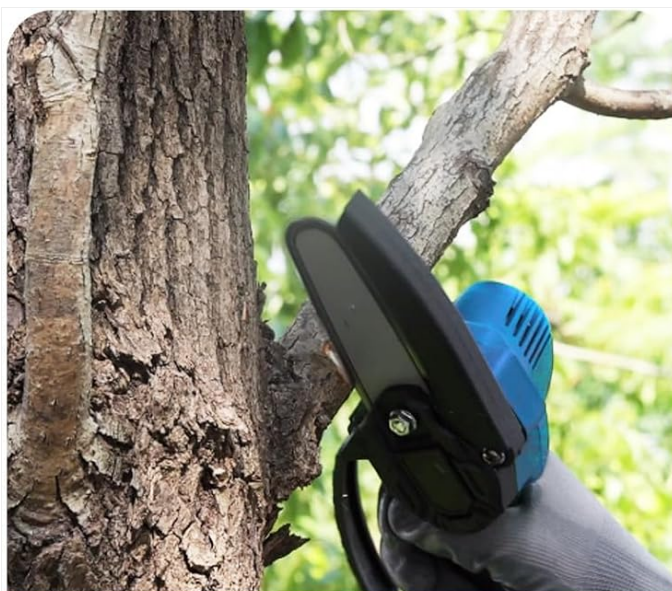


SPLASH PREVENTION



Figure 7.1: High Power Copper Motor Features.

This image highlights the advanced features of the chainsaw's high-power premium copper motor, including its capability for high speed and high cycle operation, built-in overheat protection, heat-resistant and non-flammable components, and design for long service life.



TRUNK CUTTING



WOOD CUTTING



BAMBOO LOGGING



ORCHARD PRUNING

Figure 7.2: Rechargeable Battery Protection Features.

This image details the features of the 2x1500mA 21V rechargeable battery, emphasizing its built-in protections against over-voltage, over-charge, and over-temperature, ensuring safe and reliable power delivery for 30-40 minutes of working time per battery.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact TCE customer service. Refer to your purchase documentation for specific warranty terms and conditions.

You can visit the official TCE Store for more information: [TCE Store on Amazon](#)

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