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SHZICMY 16-inch Electric Chainsaw

SHZICMY 16-inch Electric Chainsaw User Manual

Model: 16-inch Electric Chainsaw | Brand: SHZICMY

Safety | Contents | Setup | Operation | Maintenance & Support | Troubleshooting | Specifications | Warranty

1. Important Safety Instructions

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

General Safety

- **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. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and sturdy footwear. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- **Chainsaw Specific Safety:** Always hold the chainsaw firmly with both hands when operating. Ensure the chain brake is engaged when starting the chainsaw and when moving between cuts. Be aware of kickback, which can occur when the moving chain contacts an object at the upper tip of the guide bar.

Emergency Procedures

- In case of an emergency, immediately release the trigger and unplug the chainsaw from the power source.
- Familiarize yourself with the location and operation of the chain brake for rapid activation.

2. Package Contents

Verify that all items are present and undamaged upon unpacking. If any parts are missing or damaged, contact customer support.

- SHZICMY 16-inch Electric Chainsaw Unit
- Guide Bar
- Saw Chain
- Guide Bar Cover
- Installation Tool (Socket Wrench)
- User Manual

3. Setup and Assembly

3.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect the chainsaw and accessories for any signs of damage during transit. Ensure the power cord is intact.



Figure 1: Overview of the SHZICMY 16-inch Electric Chainsaw.

3.2 Guide Bar and Chain Installation

1. Ensure the chainsaw is unplugged from the power source.
2. Remove the chain cover by loosening the retaining nuts/knobs.
3. Place the saw chain around the drive sprocket. Ensure the cutting edges of the chain are facing the correct direction (refer to the arrow on the guide bar or chainsaw body).

4. Slide the guide bar onto the studs, ensuring the chain fits into the guide bar groove.
5. Replace the chain cover and hand-tighten the retaining nuts/knobs. Do not fully tighten yet.

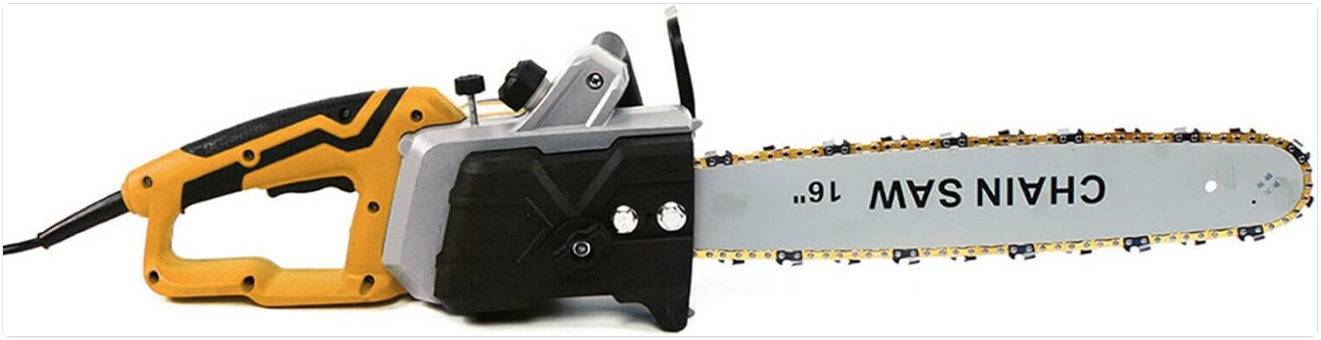


Figure 2: Side view illustrating the guide bar and chain assembly.

3.3 Chain Tension Adjustment

Proper chain tension is crucial for safe and efficient operation. This model features external tool-free adjustment.

1. With the chain cover still slightly loose, locate the chain tensioning knob/screw on the side of the chainsaw.
2. Turn the tensioning knob clockwise to increase chain tension, or counter-clockwise to decrease it.
3. Adjust until the chain is snug against the bottom of the guide bar, but can still be pulled freely by hand. There should be no slack on the underside of the guide bar, and the drive links should not come out of the guide bar groove.
4. Once the tension is correct, fully tighten the retaining nuts/knobs on the chain cover using the provided installation tool.
5. Re-check chain tension after tightening the cover. It may change slightly.



Figure 3: Detail of the external tool-free chain tension adjustment knob.

3.4 Chain Lubrication

This electric chainsaw features an automatic chain lubrication system with controllable oil flow. Use only high-quality bar and chain oil.

1. Locate the oil reservoir cap, typically on the top or side of the chainsaw body.
2. Unscrew the cap and fill the reservoir with appropriate bar and chain oil. Do not overfill.
3. Replace the cap securely.
4. Some models may have an oil flow adjustment screw. Adjust as needed for optimal lubrication, typically a steady drip during operation.

4. Operating Instructions

4.1 Pre-Operation Checks

- Ensure the chain is properly tensioned and lubricated.
- Check that all nuts, bolts, and screws are securely tightened.
- Inspect the power cord for any damage or fraying.
- Verify the chain brake is functional and engaged.
- Clear the work area of any obstacles, bystanders, or pets.

4.2 Starting the Chainsaw

1. Ensure the chain brake is engaged (pushed forward towards the guide bar).
2. Plug the chainsaw into a suitable 220V, 50Hz power outlet. Use an appropriate extension cord if necessary, rated for outdoor use and the chainsaw's power requirements.
3. Hold the chainsaw firmly with both hands, one on the front handle and one on the rear handle.
4. Disengage the chain brake by pulling the handguard back towards the operator.
5. Press the safety lock-off button (if present) and then squeeze the trigger switch to start the motor.



Figure 4: The chain brake mechanism, which also serves as a handguard.

4.3 Cutting Techniques

- **General Cutting:** Always start the cut with the chain running at full speed. Apply light pressure. Let the chainsaw do the work.
- **Avoid Kickback:** Be extremely careful to avoid contact with the guide bar tip. Kickback can cause the chainsaw to suddenly move upwards and backwards towards the operator.
- **Felling Small Trees:** For small trees, make an undercut on the side of the desired fall, then make the felling cut from the opposite side, slightly above the undercut.
- **Limbing:** When limbing, work from the bottom up, supporting the branch to prevent pinching the guide bar.

4.4 Stopping the Chainsaw

Release the trigger switch to stop the motor. Engage the chain brake immediately after stopping the cut or when moving to another work area. Unplug the chainsaw from the power source when not in use or when leaving it unattended.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your chainsaw. Always unplug the chainsaw

before performing any maintenance.

5.1 Cleaning

- After each use, clean sawdust, chips, and debris from the guide bar, chain, and motor housing.
- Use a brush or compressed air. Do not use water to clean the motor housing.
- Wipe down exterior surfaces with a damp cloth.

5.2 Chain Sharpening

A sharp chain is essential for efficient and safe cutting. Sharpen the chain regularly or have it professionally sharpened. Refer to the chain manufacturer's specifications for the correct file size and sharpening angles.

5.3 Guide Bar Maintenance

- Periodically remove the guide bar and clean the groove to remove accumulated sawdust and debris.
- Check the guide bar for burrs or uneven wear. File down any burrs.
- Flip the guide bar periodically to ensure even wear on both sides.

5.4 Storage

- Before storing, ensure the chainsaw is clean and the oil reservoir is empty or nearly empty to prevent leaks.
- Apply a light coat of oil to the chain and guide bar to prevent rust.
- Store the chainsaw in a dry, secure location, out of reach of children and away from direct sunlight or extreme temperatures.
- Always use the guide bar cover when storing or transporting the chainsaw.

6. Troubleshooting

Before attempting any repairs, always unplug the chainsaw from the power source.

Problem	Possible Cause	Solution
Chainsaw does not start	Not plugged in; Power outlet fault; Chain brake engaged; Faulty power cord	Check power connection; Test outlet with another device; Disengage chain brake; Inspect power cord for damage.
Chain does not move	Chain brake engaged; Chain too tight; Obstruction in guide bar/sprocket	Disengage chain brake; Adjust chain tension; Clear any obstructions.
Poor cutting performance	Dull chain; Incorrect chain tension; Insufficient lubrication	Sharpen or replace chain; Adjust chain tension; Refill oil reservoir and check oil flow.
Excessive vibration	Loose components; Damaged chain or guide bar	Check all fasteners; Inspect chain and guide bar for damage and replace if necessary.
Oil leakage	Loose oil cap; Damaged oil reservoir; Normal residual oil	Tighten oil cap; Inspect reservoir for cracks; Some residual oil is normal, especially after use. Store properly.

7. Specifications

Feature	Specification
Model	16-inch Electric Chainsaw
Brand	SHZICMY
Power	2000 W
Voltage	220 V, 50 Hz
Speed	400 rpm
Guide Bar Length	16 inches (approx. 40 cm)
Max Cutting Wood Size	35 cm
Material	Plastic casing / Aluminum gear
Chain Adjustment	External, tool-free
Lubrication System	Automatic, controllable oil flow
Product Dimensions	22 x 80 cm (approx.)
Weight	5.3 kg

8. Warranty and Support

8.1 Warranty Information

Specific warranty details may vary by region and retailer. Please retain your proof of purchase for any warranty claims. The manufacturer warrants this product against defects in material and workmanship under normal use for a period specified at the point of purchase. This warranty does not cover damage due to misuse, abuse, neglect, unauthorized repairs, or normal wear and tear.

8.2 Customer Support

For technical assistance, spare parts, or warranty inquiries, please contact your retailer or the manufacturer's customer service department. Have your product model and serial number (if applicable) ready when contacting support.

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