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› DMSIDN 18-inch Gas Powered Chainsaw Model m324 User Manual

DMSIDN m324

DMSIDN 18-inch Gas Powered Chainsaw User Manual

Model: m324 | Brand: DMSIDN

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DMSIDN 18-inch Gas Powered Chainsaw, Model m324. Please read this manual thoroughly before operating the chainsaw to ensure proper use and to prevent injury or damage.



Image 1.1: DMSIDN 18-inch Gas Powered Chainsaw. This image displays the overall design of the chainsaw, featuring its orange and black housing, 18-inch guide bar, and chain.

2. SAFETY INFORMATION

Operating a chainsaw can be hazardous. Always prioritize safety to prevent serious injury. Adhere to all warnings and instructions provided.

2.1 General Safety Guidelines

- **Personal Protective Equipment (PPE):** Always wear appropriate safety gear, including a helmet, eye protection, hearing protection, heavy-duty gloves, and safety boots.
- **Work Area:** Ensure the work area is clear of bystanders, pets, and obstacles. Maintain a firm footing and balance.
- **Fuel Handling:** Handle gasoline with extreme care. Refuel in a well-ventilated area away from ignition sources.
- **Kickback Prevention:** Be aware of kickback risks. Avoid cutting with the tip of the guide bar.
- **Proper Grip:** Always hold the chainsaw firmly with both hands, with thumbs and fingers encircling the handles.
- **Weather Conditions:** Do not operate in adverse weather conditions such as heavy rain, strong winds, or icy conditions.

2.2 Product-Specific Safety Features

- **Dual Protection Switch:** The safety lock and on/off button must be pressed simultaneously to start the chainsaw, preventing accidental activation.
- **Thicker and Wider Brake Baffle:** Designed to prevent sawdust and debris from splashing towards the operator during use.
- **Overheat and Explosion Protection:** Integrated safety mechanisms to protect the user and the equipment.

Security Assured



Image 2.1: Chainsaw Security Features. This image highlights the thicker and wider brake baffle and the dual protection switch,

3. SETUP AND ASSEMBLY

3.1 Unpacking and Components

Carefully remove all components from the packaging. Verify that all parts are present and undamaged.

- Gas Chainsaw Unit
- Guide Plate (18-inch)
- Chain
- Baffle Plate
- Guide Plate Protection Sleeve
- Gasoline Bottle
- Funnel
- Pair of Gloves
- English Instructions Manual (this document)
- Assembly Accessories (tools)



Image 3.1: Chainsaw Package Contents. This image displays all items included in the product package, such as the chainsaw body, guide bar, chain, tools, and safety accessories.

3.2 Assembly Steps

1. **Install the Guide Plate:** Remove the chain cover nuts and the chain cover. Position the guide plate onto the studs.
2. **Install the Chain:** Carefully place the chain around the sprocket and guide bar, ensuring the cutting edges face the correct direction. Adjust chain tension as per instructions in the Maintenance section.
3. **Install the Baffle Plate:** Secure the baffle plate in its designated position, typically near the chain and guide bar, to protect against debris.
4. **Secure Chain Cover:** Reinstall the chain cover and tighten the nuts, ensuring the chain tension is correct before fully tightening.

3.3 Fuel and Oil Preparation

- **Fuel Mixture:** This chainsaw requires a 2-stroke gasoline engine fuel mixture. The recommended oil-gasoline mixture ratio

is **1:20-25**. Use high-quality 2-stroke engine oil and unleaded gasoline. Mix thoroughly in the provided gasoline bottle.

- **Fuel Tank:** Fill the fuel tank (capacity: 550ml/18.6oz) with the prepared fuel mixture. Do not overfill.
- **Chain Oil:** Fill the chain oil tank (capacity: 260ml/8.79oz) with appropriate bar and chain oil. This lubricates the chain and guide bar during operation.

4. OPERATING INSTRUCTIONS

4.1 Starting the Chainsaw

1. Place the chainsaw on a flat, stable surface.
2. Engage the chain brake by pushing the front hand guard forward.
3. Set the choke lever to the 'CLOSED' position (for cold starts).
4. Press the primer bulb several times until fuel is visible in the return line.
5. Hold the chainsaw firmly with one hand on the front handle and place your foot on the rear handle.
6. Pull the starter cord with a brisk, steady motion until the engine fires (usually a few pulls).
7. Once the engine fires, move the choke lever to the 'OPEN' position.
8. Pull the starter cord again until the engine starts and runs smoothly.
9. Allow the engine to warm up for a few moments. Disengage the chain brake before cutting.

4.2 Cutting Techniques

Always maintain a firm grip with both hands. Stand with your feet apart for balance. Plan your cuts to avoid kickback and ensure the tree or limb falls in a safe direction. Start cutting at full throttle. Do not force the saw; let the chain do the work.

Versatile Application



Wood Cutting



Forest Felling



Tree Pruning



Shrub Pruning

Image 4.1: Chainsaw Versatile Application. This image illustrates various uses of the chainsaw, including wood cutting, forest felling, tree pruning, and shrub pruning, demonstrating its versatility.

4.3 Stopping the Chainsaw

To stop the engine, release the throttle trigger and press the engine stop switch to the 'OFF' position. Engage the chain brake for safety when not actively cutting.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your chainsaw.

5.1 Regular Maintenance Tasks

- **Air Filter Cleaning:** The chainsaw features a jet air cleaning system. Regularly inspect and clean the air filter to maintain engine performance and prevent premature wear.
- **Chain Tension:** Check chain tension frequently. A properly tensioned chain should be snug against the guide bar but still

allow you to pull it around by hand.

- **Chain Sharpening:** A sharp chain is crucial for efficient and safe cutting. Sharpen the chain regularly or replace it when dull.
- **Guide Bar Maintenance:** Clean the guide bar groove and oil holes. Flip the guide bar periodically to ensure even wear.
- **Spark Plug Inspection:** Inspect the spark plug for wear and proper gap. Replace if necessary.

5.2 Storage

For long-term storage, drain all fuel from the tank and run the engine until it stops to clear the carburetor. Clean the chainsaw thoroughly. Apply a light coat of oil to metal parts to prevent rust. Store the chainsaw in a dry, secure location, out of reach of children.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your chainsaw.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, fouled spark plug, flooded engine.	Check fuel level and mixture. Adjust choke. Clean/replace spark plug. Clear flooded engine by pulling starter cord with choke open.
Loss of power during operation	Dirty air filter, dull chain, incorrect fuel mixture.	Clean air filter. Sharpen or replace chain. Verify correct fuel-oil ratio.
Chain does not move	Chain brake engaged, chain too tight, clutch issue.	Disengage chain brake. Adjust chain tension. Consult a service technician if clutch is suspected.
Excessive vibration	Loose components, damaged chain/guide bar.	Check and tighten all fasteners. Inspect chain and guide bar for damage and replace if necessary.

7. SPECIFICATIONS

Detailed technical specifications for the DMSIDN 18-inch Gas Powered Chainsaw.

Feature	Specification
Engine Type	Single-cylinder, Air-cooled, Two-stroke Gasoline Engine
Displacement	58cc
Power	3.2kW (4.4 HP)
RPM	10,500 rpm (max)
Idle Speed	2800-3200 r/min
Oil-Gasoline Mixture Ratio	1:20-25
Ignition System	C.D.I
Starting Method	Hand Pull Start

Feature	Specification
Fuel Tank Volume	550ml (18.6oz)
Chain Oil Tank Volume	260ml (8.79oz)
Carburetor Type	Diaphragm Type
Guide Plate Size	45.72cm (18 inches)
Cutting Range (Diameter)	Up to 20.32cm (8 inches)
Product Dimensions (L x W x H)	83 x 23 x 28 cm (32.67 x 9.05 x 11.02 inches)
Gross Weight	7.4 kg (16.31 lbs)
Main Material	Aluminum Alloy + Manganese Steel + PP



Image 7.1: Chainsaw Dimensions. This image provides a visual representation of the chainsaw with its key dimensions labeled in both centimeters and inches.

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. DMSIDN is committed to providing quality products and support.

If you require technical assistance or have questions not covered in this manual, please contact DMSIDN customer support through the retailer where the product was purchased.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question