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> STEELITE 13-Inch 12-Amp 2-in-1 Electric Dethatcher and Scarifier (Model DG592) User Instruction Manual

Steelite DG592

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User Instruction Manual

INTRODUCTION

Thank you for choosing the STEELITE 13-Inch 12-Amp 2-in-1 Electric Dethatcher and Scarifier. This versatile tool is designed to improve the health and appearance of your lawn by effectively removing thatch and aerating the soil. With its powerful 12-Amp motor and adjustable depth settings, it provides efficient lawn care for a greener, stronger lawn.

IMPORTANT SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operation.

- **Read the Manual:** Familiarize yourself with all controls and proper use.
- **Personal Protective Equipment:** Always wear safety glasses, sturdy footwear, and hearing protection. Long pants are recommended.
- **Clear the Area:** Before starting, clear the work area of stones, sticks, wires, and other debris that could be thrown by the blades.
- **Keep Bystanders Away:** Ensure children, pets, and other people are at a safe distance (at least 50 feet/15 meters) from the operating area.
- **Inspect the Unit:** Before each use, check for loose fasteners, damaged parts, or worn blades. Do not operate if damaged.
- **Electrical Safety:** Use only with a properly grounded outdoor extension cord rated for the appliance's power requirements. Do not operate in wet conditions.
- **Maintain Control:** Always maintain a firm grip on the handles. Do not overreach.
- **Disconnect Power:** Always unplug the unit before cleaning, performing maintenance, or when making adjustments.
- **Storage:** Store the unit in a dry, secure place out of reach of children.

PACKAGE CONTENTS

Carefully unpack all items and ensure you have received the following:

- STEELITE Dethatcher/Scarifier Unit
- Upper Handle Assembly
- Lower Handle Assembly
- Dethatcher Reel (pre-installed or separate)
- Scarifier Blade Reel
- Collection Bag
- Assembly Hardware (knobs, bolts, cable clips)
- Allen Key (for reel change)
- User Manual

If any parts are missing or damaged, do not assemble or operate the unit. Contact customer support for assistance.

ASSEMBLY AND SETUP

Follow these steps to assemble your STEELITE Dethatcher and Scarifier.

1. Handle Assembly

1. Attach the lower handle assembly to the main unit using the provided bolts and knobs. Ensure a secure fit.
2. Connect the upper handle assembly to the lower handle, securing it with the remaining bolts and knobs.
3. Use the cable clips to secure the power cord along the handle to prevent it from interfering with operation.

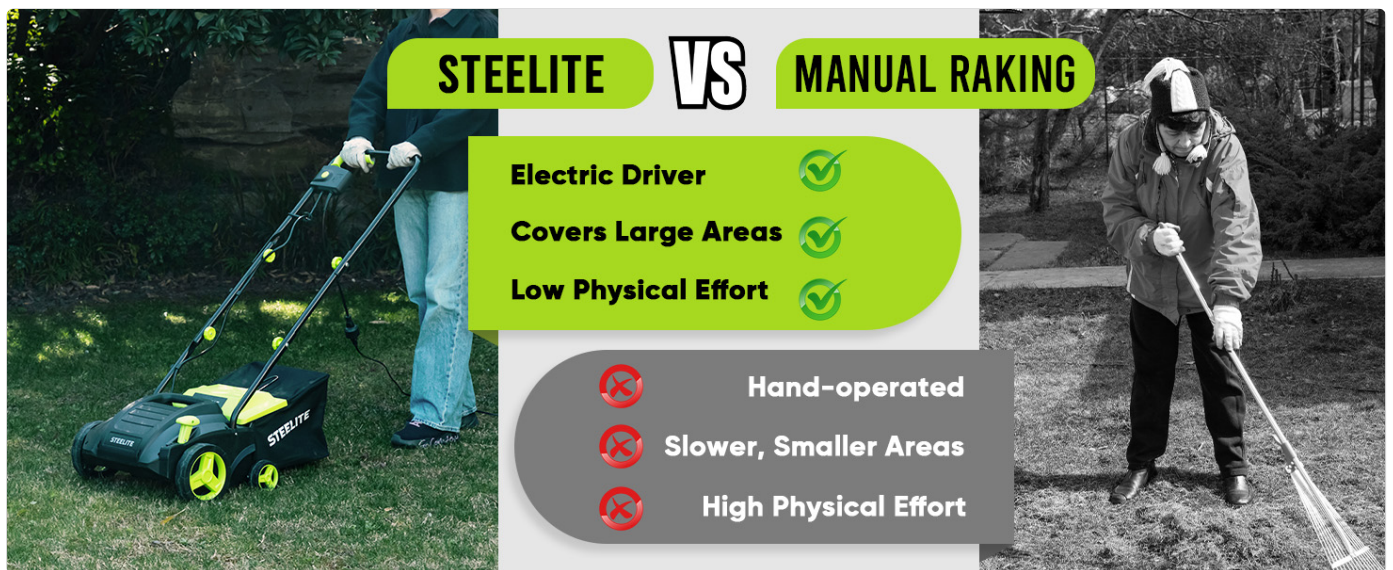


Image: The assembled unit showcasing user-friendly features including cable clips for cord management and wear-resistant wheels.

2. Attaching the Collection Bag

Hook the collection bag onto the designated attachment points at the rear of the unit. Ensure it is securely fastened to prevent debris from escaping.



Image: The STEELITE Dethatcher with its 8-gallon collection bag attached, ready for use.

3. Changing the Reel (Dethatcher or Scarifier)

The unit comes with two interchangeable reels: a dethatcher reel with spring tines and a scarifier reel with rigid blades. Always disconnect power before changing reels.

1. Lay the unit on its side, ensuring the power is disconnected.
2. Locate the reel retention mechanism (usually a bolt or quick-release lever).
3. Use the provided Allen key or appropriate tool to release and remove the currently installed reel.
4. Insert the desired reel (dethatcher or scarifier), aligning it correctly with the drive shaft.
5. Secure the reel in place, ensuring it is firmly seated and locked.



Image: The 2-in-1 versatile lawn care tool, illustrating the dethatcher reel for removing thatch and the scarifier reel for loosening soil.

4. Height Adjustment

The unit features a 4-position height adjustment lever to control the working depth. Adjust the depth based on your lawn's condition and the task (dethatching or scarifying).

- **Position 1 (Deepest):** Approximately -0.47 inches (1.19 cm). Suitable for aggressive scarifying or heavily thatched lawns.
- **Position 2:** Approximately -0.31 inches (0.79 cm). For moderate dethatching or scarifying.
- **Position 3:** Approximately -0.16 inches (0.41 cm). For light dethatching or aeration.
- **Position 4 (Highest):** Approximately 0.23 inches (0.58 cm). For very light dethatching or transport.



4 - POSITION DEPTH

Dethatcher

Scarifier



Image: Diagram illustrating the 4-position depth adjustment for both dethatching and scarifying, showing different penetration levels into the grass and soil.

OPERATION

Before operating, ensure all safety instructions have been read and understood, and the unit is properly assembled.

1. Starting the Unit

1. Connect the waterproof power plug to a suitable outdoor extension cord.
2. Ensure the extension cord is plugged into a grounded outdoor outlet.
3. Press and hold the safety lock button, then squeeze the bail switch lever against the handle to start the motor. Release the safety lock button once the motor starts.



Image: A person demonstrating how to start the unit by pressing the safety button and engaging the bail switch, highlighting the easy-start mechanism.

2. Dethatching Your Lawn

Dethatching removes the layer of dead grass and organic matter that accumulates between the soil surface and green grass blades. This improves water, nutrient, and air penetration.

- Install the dethatcher reel.
- Set the height adjustment to a higher setting (e.g., Position 3 or 4) for initial passes, especially if thatch is light. For heavier thatch, gradually lower the setting.
- Walk at a steady pace, pushing the unit forward in overlapping rows, similar to mowing.
- The 13-inch working path ensures efficient coverage.
- The collection bag will gather some thatch, but for very thick thatch, you may need to rake afterward.



Image: The STEELITE Dethatcher actively removing thatch from a lawn, demonstrating its effectiveness in clearing debris.

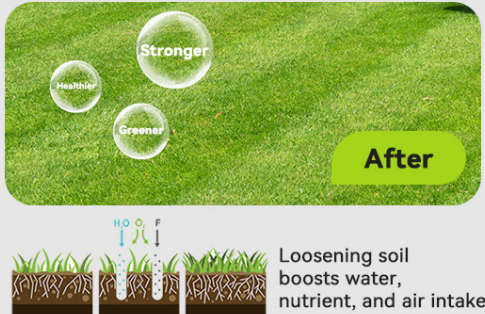
3. Scarifying Your Lawn

Scarifying involves cutting into the soil surface to improve aeration and prepare for overseeding. This is a more aggressive process than dethatching.

- Install the scarifier blade reel.
- Start with a higher depth setting (e.g., Position 2 or 3) and gradually lower it if needed, to avoid damaging the lawn.
- Make passes in a consistent pattern.
- Scarifying will loosen soil and create channels for new seed and nutrients.

REVIVE YOUR LAWN WITH POWER





After

Loosening soil boosts water, nutrient, and air intake



Before

Image: The STEELITE Scarifier in operation, demonstrating how it loosens soil to boost water, nutrient, and air intake for healthier grass.

4. Collection Bag Usage

The 8-gallon collection bag is designed to gather removed thatch and debris. For very dense thatch or aggressive scarifying, the bag may fill quickly. It is often more efficient to remove the bag and rake up the debris manually after completing the passes.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your unit. Always disconnect power before performing any maintenance.

- **Cleaning:** After each use, clean the unit thoroughly. Remove any grass, dirt, or debris from the housing, reels, and wheels. Use a damp cloth; do not spray water directly onto the motor or electrical components.
- **Reel Inspection:** Regularly inspect the dethatcher tines and scarifier blades for wear or damage. Replace worn or bent tines/blades to maintain effectiveness.
- **Storage:** Store the unit in a dry, well-ventilated area. The foldable handle allows for compact storage. Ensure the power cord is neatly wrapped and secured.
- **Cord Care:** Inspect the power cord and extension cord for any cuts, fraying, or damage before each use. Replace damaged cords immediately.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not start	Power cord not plugged in Safety lock button not pressed Bail switch not engaged Circuit breaker tripped Damaged power cord/switch	Ensure power cord is securely plugged into a live outlet. Press and hold the safety lock button before squeezing the bail switch. Engage the bail switch fully. Reset the circuit breaker. Inspect cords for damage; replace if necessary. Contact support if issue persists.

Problem	Possible Cause	Solution
Poor dethatching/scarifying performance	Incorrect height setting Worn or damaged tines/blades Reel clogged with debris	Adjust the height setting to a lower position. Inspect and replace worn dethatcher tines or scarifier blades. Disconnect power and clear any debris from the reel.
Excessive vibration or noise	Loose components Damaged reel or motor Debris caught in reel	Check all fasteners and tighten if loose. Disconnect power and inspect the reel for damage. Clear any caught debris. If vibration persists, discontinue use and contact support.

Problem	Possible Cause	Solution
Collection bag not filling	Bag not properly attached Thatch/debris too dense Discharge chute clogged	Ensure the collection bag is securely attached. For very dense thatch, manual raking after passes may be necessary. Disconnect power and clear any blockages in the discharge chute.

SPECIFICATIONS

Feature	Detail
Model Number	DG592
Power Source	AC Electric
Motor	12-Amp
Working Width	13 inches (33 cm)
Height Adjustment	4 Positions
Minimum Cutting Height	0.41 cm (0.16 inches)
Maximum Cutting Height	1.19 cm (0.47 inches)
Collection Bag Capacity	8 Gallons
Product Dimensions (L x W x H)	52.5 x 30.8 x 42.5 cm
Item Weight	11.7 kg (25.8 lbs)
Material	Plastic
Manufacturer	STEELITE

WARRANTY AND SUPPORT

This STEELITE product is covered by a **2-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or to order replacement parts, please contact STEELITE customer service:

- **Email:** service@steelitetool.com
- Please have your model number (DG592) and proof of purchase available when contacting support.

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.

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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.

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