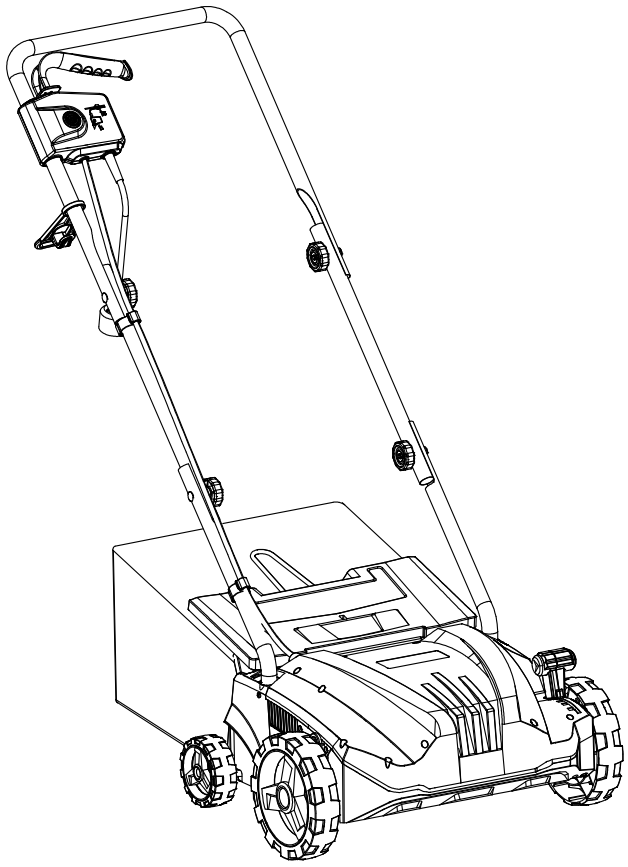
DAPPER

User Manual

Dethatcher & Scarifier

Dapper Dethatcher and Scarifier

Model: DP-LD1107



For any service-related issues, please contact us:
Phone Number: 718-301-8243
Email address: support@dapper-supply.com

Contents

Safety 4
Setup 6
Assembly 7
Operation 11
Maintenance 13
Troubleshooting 14

Safety

Intended Use:
This tool is designed for personal use only and is meant for:

- Scarifying lawns
- Aerating lawns

Important Guidelines:

Use the tool only as instructed in this manual.
This tool is NOT for commercial or heavy-duty use. Misuse can damage the tool and void the warranty.
The manufacturer and retailer are not responsible for any damage or injury caused by improper use.

What NOT to Do:

- Do not use the tool for anything other than its intended purpose.
- Always follow the provided safety, installation, and maintenance instructions.
- Do not modify the tool or use improper parts or accessories.
- Avoid breaking health and safety laws while using the tool.

Additional Warnings:
- Only trained individuals should operate or service the tool. If unsure, seek guidance from an expert.
- Follow all local and national safety regulations while using the tool.
- Do not modify the tool, as this can cause damage or injury.

Residual Risks:
Even with proper use, some risks remain:

Flying debris can cause injury if safety measures aren't followed.
Harmful vibrations may occur if proper handling is ignored.
Always wear proper safety gear and operate the tool carefully to minimize risks.

General Safety Instructions

Important Warnings:

- Always follow the safety instructions to avoid electric shock, fire, or serious injury.
  Save this manual for future reference.
- **Training and Preparation**

- Read Instructions: Understand all operating and safety guidelines before using the tool.
- Do not allow children or anyone with reduced physical, sensory, or mental capabilities to operate the tool.
- Supervise children to ensure they don't play with the tool.
- Keep people, pets, and children away while operating.
- Avoid loose clothes, jewelry, or anything that can get caught in moving parts.
- Always wear sturdy footwear and long pants. Do not use the tool barefoot or in open-toed shoes.
- Remove rocks, debris, or objects that could be thrown by the machine.
- Inspect the scarifier's tines regularly. Replace damaged or worn parts to ensure safe operation.
- Ensure the tool matches the outlet. Never modify the plug.
- Do not expose the tool to rain or wet conditions.
- Inspect the power cord for damage before use. Never use a damaged cord.
- Keep cords away from heat, sharp edges, or moving parts.
- Connect only to a circuit protected by a Residual Current Device (RCD) with a tripping current of 30 mA or less.
- Use only outdoor-rated cords to prevent electric shock.

Operation Instructions

- Operate only during daylight and good weather.
- Avoid use in rain or stormy conditions.
- Ensure the switch is OFF before plugging in or carrying the tool
- Avoid flammable liquids, gases, or dust. Sparks may cause fires or explosions.
- Always walk with the tool and keep control, especially when reversing or pulling it.
- Avoid overreaching. Keep stable footing to maintain control.
- Do not work on steep slopes or unstable surfaces. Change direction with care.
- Follow manufacturer's instructions and keep hands/feet away from moving parts.
- Always switch off and unplug before lifting, cleaning, or maintaining the tool.
- Use only for its intended purpose. Follow instructions for efficient and safe operation.
- If the switch doesn't work or the tool malfunctions, stop using it immediately.
- Focus on your work and avoid distractions like alcohol, drugs, or fatigue.

Maintenance and Storage

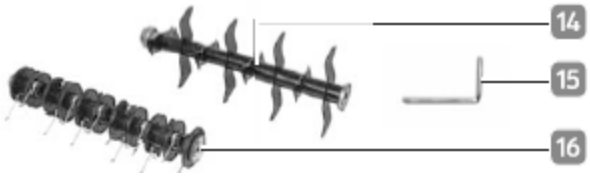
- Disconnect the tool from power before cleaning, adjustments, or repairs.
- Check for damage, wear, or loose parts. Replace or repair as needed to maintain safety.
- Keep in a dry, secure area, away from children or unauthorized use.
- If the tool is damaged, have it repaired by a qualified technician before using. Operating a damaged tool can lead to accidents.
- Always have your tool serviced by a qualified professional using only identical replacement parts to maintain safety and functionality.
- Store the tool out of reach of children and anyone unfamiliar with its operation. Improper use by untrained individuals can be dangerous.

Setup

Parts List:

1. Safety switch
2. ON/OFF lever
3. Upper handle bar
4. Fixing wrenches & Bolts (4x)
5. Middle handle bars (2x)
6. Collection bag
7. Safety flap
8. Wheels
9. Depth adjustment lever
10. Carrying handle
11. Lower handle bars (2x)
12. Cable clips (2x)
13. Mains cable cleat
14. Scarifying roller (mounted)
15. Allen key
16. Lawn rake roller





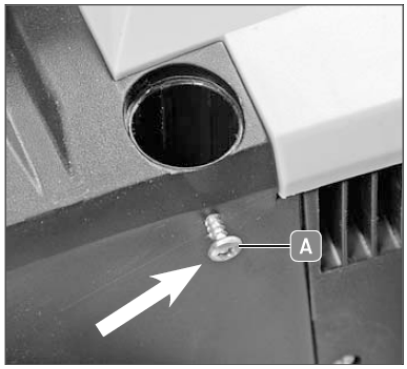
Assembly

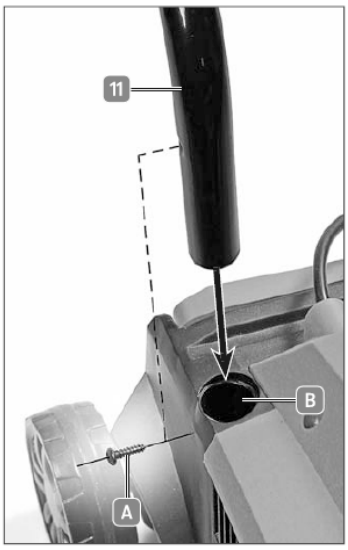
Tools Required:
Phillips-head screwdriver (not included).

WARNING:
Disconnect the scarifier from the power source before performing any maintenance or adjustments.

Assembling the Handle:

1. Loosen the two Phillips-head screws (marked A) on the scarifier housing.

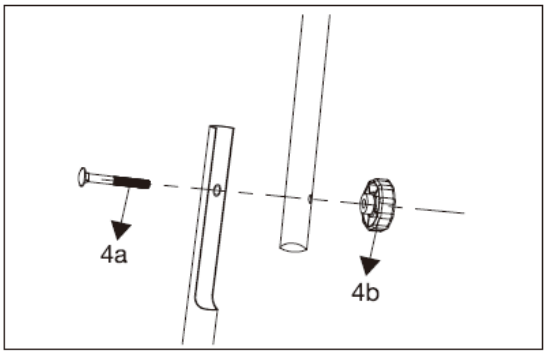




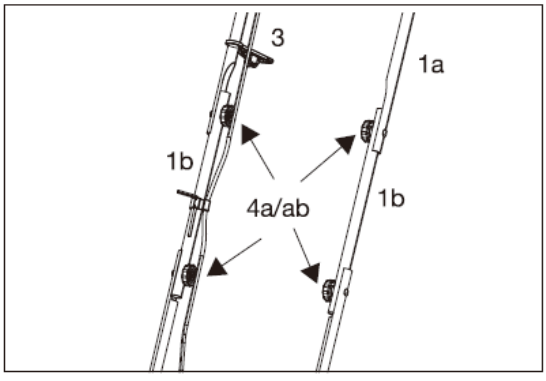
2. Slide the two lower handle bars (marked 11) into the corresponding openings (marked B) on the scarifier **housing.**
3. Secure the lower handle bars by tightening the Phillips-head screws.

Attach the Middle Handle Parts:

4. Fit the two middle handle parts (1b) to the lower handle parts using the bolts (4b) and knurled nuts (4a).
   Install the Cord Strain Relief:



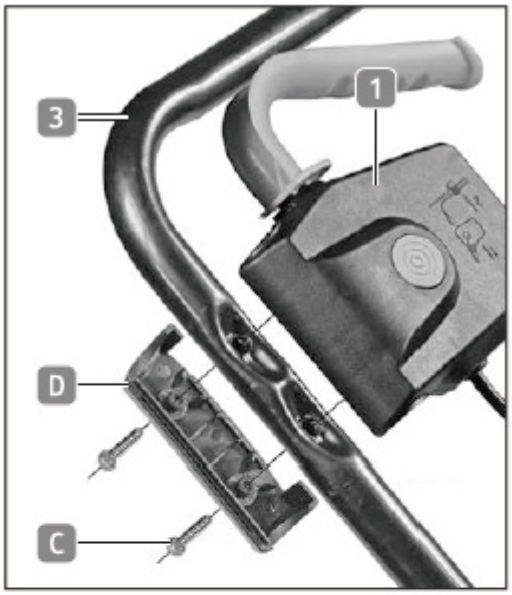
5. Guide the cord strain relief (3) over the top part of the handle (1a) on the switch side.
   Fasten it to the middle handle parts using the bolts and knurled nuts.



Assembling the Safety Switch

Remove the Plate:

Loosen the Phillips-head screws (C) on the underside of the safety switch (1) and remove the plate (D).



Install the Safety Switch:

Insert the safety switch from above and the plate from below onto the upper handle bar (3).
Secure the unit using the two Phillips-head screws (C).

Secure the Mains Cable:

Position the mains cable along the handle bars and secure it using the two cable clips (12).



Assembling the Collection Bag
CAUTION: Never use the scarifier without a functional safety flap.

The collection bag is designed for use only with this scarifier.

1. Lift the Safety Flap:
Raise the safety flap (7).

2. Attach the Collection Bag:
   Use the two hooks on the collection bag (6) to mount it into the notches on the scarifier housing.
   Ensure the safety flap is seated flush, which secures the collection bag in place.



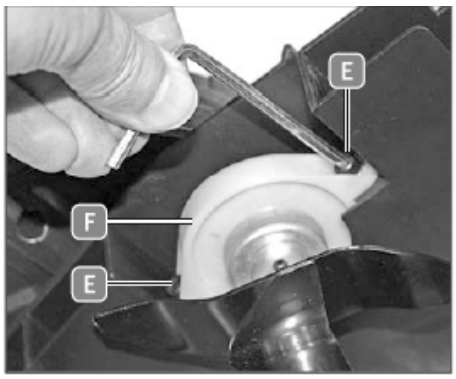
Replacing the Roller

WARNING:
Disconnect the scarifier from the power source before performing any maintenance or adjustments.
Use only accessories authorized by the manufacturer.

Tools Required:
Allen key (4 mm, included in the supply).

- Turn the scarifier over.
- Loosen Screws:
  Loosen the two Allen screws (E) holding the roller suspension (F) in place.
- Lift the Roller:

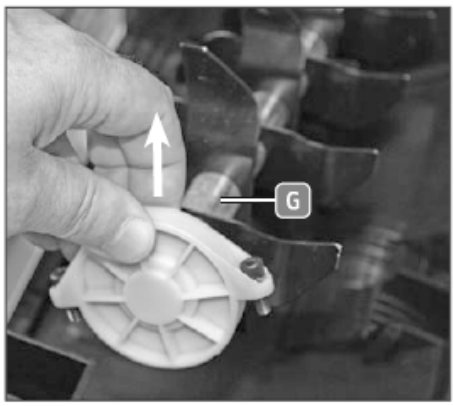
- Lift the roller (G) to free the suspension.

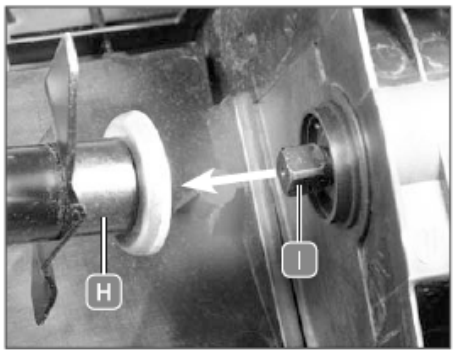


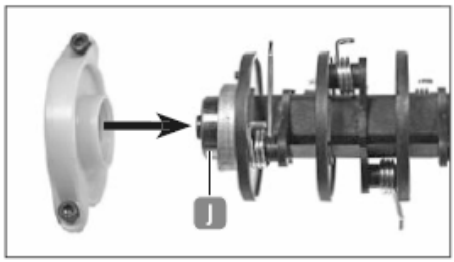
- Remove the Roller:
  Take out the roller (H) from the drive spindle (I).

- Detach the Suspension:
  Remove the roller suspension from the ball bearings (J) of the roller.

- Install the New Roller:
  Attach the roller suspension onto the ball bearings (J) of the new roller.
  Reassemble the roller in reverse order.







Setting the Working Depth
Notice:

Always set the working depth lever to position 4 for transportation.
Do not use the scarifier while the lever is in position 4.
Steps to Adjust Working Depth:



Pull the working depth lever (9) upward.
Engage the lever in one of the positions 1–3 for operation.

Working Depth Chart:

Position	Scarifying Depth	Rake Depth
1	-0.47"	-0.47"
2	-0.31"	-0.31"
3	-0.16"	-0.16"
4	Only for transport	Only for transport

Operation

Power Requirements:

Designed for single-phase AC 120V~60Hz with protective insulation.
Ensure the mains voltage matches the rating on the scarifier's plate.

Using an Extension Cable:

If the outlet is far, use an extension cable with a minimum conductor diameter of 1.5 mm².
Keep the extension cable as short as possible.
Cable Protection:

Use the mains cable cleat to prevent damage to the power and extension cables.

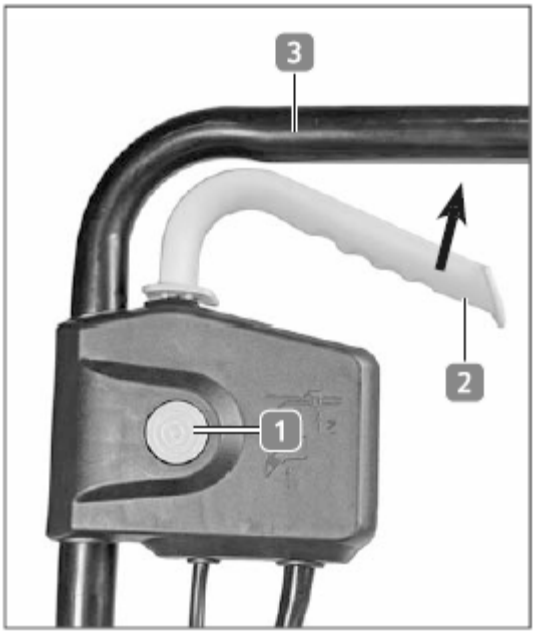


Securing the Mains Cable

Create a loop with the cable.
Pass the loop through the eye of the mains cable cleat (13).
Secure the cable using the clip.

Switching ON/OFF

Before Switching ON:
Tilt the scarifier slightly backward for a safe start.



Switching ON:

1. Press the safety switch (1).
2. Pull the ON/OFF lever (2).
3. Lower the scarifier gently back to the ground.
4. Hold the upper handle bar (3) with both hands while operating.

Switching OFF:

1. Release the ON/OFF lever (2).

Work Instructions

Scarifying

Scarify only dry lawns.

Set the depth:
Blades should cut grass by only a few millimeters.
Use position 1 for maximum depth and position 3 for minimum depth.
Prepare the lawn: Mow to a height of half inch before scarifying (use the lawn mower's lowest setting).

Operate the scarifier:
Move quickly over the lawn and avoid staying in one spot to prevent grass damage.
Work in a checkered pattern, moving first lengthwise, then across.
When changing direction, lift the blades by pressing the handle.

After scarifying:
- Sow grass seeds in bare spots.
- Rake up the loosened material.
- Spread a half inch layer of soil, sand, or lawn quartz to improve aeration.

Raking Lawns
- Lawn raking is useful all year and recommended.Raking creates small holes to improve drainage and prevent waterlogging.
- The collected material goes into the collection bag.
- Raking reduces soil compaction, increases oxygen, and supports healthy grass growth.
- Rake mowed lawns every 3-4 weeks during the growing season.

Maintenance

Maintenance, Cleaning, and Storage

WARNING: Disconnect from power before any maintenance or cleaning.

- Regularly check the rollers for wear or damage.
- Replace worn or damaged rollers for optimal performance.
- Use only original replacement parts for repairs.

Cleaning
CAUTION: Never immerse the scarifier in water.

- Use a dry cloth to clean the scarifier. Avoid strong or abrasive cleaning agents or solvents.
- Ensure all parts are completely dry before use. Do not let water enter the scarifier.
- Clean the scarifier housing, safety flap, and collection bag immediately after use.
- Clean the motor vents to remove grass and dirt.

Storage
- Use the original packaging or cover the product with a cloth to protect it from dust.
- Store the scarifier in a safe place, out of reach of children.
- The ideal storage temperature is 50°F to 86°F (10°C to 30°C).

Steps for Storage:

- Turn the product off.
- Clean as described above.
- Store in a dark, dry, frost-free, well-ventilated location.

Transport
- Use the original packaging to protect the scarifier from shocks and vibrations.
- Always carry the scarifier using the designated handle.

Troubleshooting

Problem	Possible Cause	Solution
The motor does not start	Power supply is faulty	Check the mains connection.
	Mains cable is faulty	Check the mains cable.
	On/Off switch is faulty	Contact customer service.
	Scarifier housing is blocked	Clean the scarifier housing.
Motor performance is decreasing	Soil is too hard	Reduce the working depth.
	Roller is worn out	Replace the roller.
	Scarifier housing is blocked	Clean the housing and reduce depth.
Motor stops	Extension cable is loose	Check the extension cable connection.
Bad scarifying result	Roller is worn out	Replace the roller.
	Incorrect scarifying depth	Adjust the working depth.
	Grass too high	Mow the lawn.

Technical Specifications

Model:DP-LD1107
Rated Voltage: 120V~60Hz
Rated Power: 12A
Working Width: 13 inches
Working Depth:

Position	Scarifying Depth	Raking Depth
1	-0.47 inches	-0.47 inches
2	-0.31 inches	-0.31 inches
3	-0.16 inches	-0.16 inches


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