

Scheppach MS173-51

Scheppach MS173-51 Petrol Lawn Mower User Manual

INTRODUCTION

Welcome to your Scheppach MS173-51 lawn mower. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new equipment. Please read it thoroughly before first use and keep it for future reference.

SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage:

- Always read and understand the entire manual before operating the lawn mower.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and sturdy footwear.
- Ensure the work area is clear of debris, stones, and other objects that could be thrown by the blades.
- Keep children and pets away from the operating area.
- Never operate the mower with damaged guards or without safety devices in place.
- Refuel in a well-ventilated area with the engine off and cool.
- Disconnect the spark plug wire before performing any maintenance or clearing blockages.

SETUP AND ASSEMBLY

Your Scheppach MS173-51 lawn mower requires some assembly before its first use. Follow these steps carefully.

1. Unpacking

- Carefully remove all components from the packaging.
- Check for any damage or missing parts. Contact your dealer if any issues are found.

2. Handlebar Assembly

- Attach the lower handlebar to the mower deck using the provided bolts and knobs.
- Secure the upper handlebar to the lower section, ensuring all cables are routed correctly and not pinched.

3. Grass Catcher Assembly

- Assemble the grass catcher according to the instructions, if it is not pre-assembled.
- Hook the grass catcher onto the rear discharge chute of the mower.

4. Adding Fuel and Oil

- Fill the engine with the recommended type and amount of engine oil (refer to the engine manual for specifics). Do not overfill.
- Fill the fuel tank with fresh, unleaded gasoline. Do not use E85 or other ethanol blends not approved for small engines.
- Ensure fuel and oil caps are securely tightened.



Figure 1: View of the lawn mower engine and deck, showing potential connection points for assembly or maintenance.

OPERATING INSTRUCTIONS

Before starting, ensure all safety checks are complete and the area is clear.

1. Adjusting Cutting Height

- The cutting height can be adjusted using the lever located on the wheels. There are 7 positions available, ranging from 25 mm to 75 mm.
- Ensure all wheels are set to the same height for an even cut.

2. Starting the Engine

- Ensure the spark plug wire is securely connected.
- Press the primer bulb (if equipped) a few times until fuel is visible.
- Move the throttle lever to the "START" or "CHOKE" position.

- Pull the starter cord firmly until the engine starts. Once started, move the throttle to the "RUN" position.



Figure 2: Proper hand placement on the lawn mower's ergonomic handle during operation.

3. Mowing

- Push the mower forward at a steady pace. The MS173-51 is a walk-behind rotary mower.
- Overlap each pass slightly to ensure complete coverage.
- Avoid mowing wet grass, as it can clog the mower and lead to an uneven cut.
- Empty the grass catcher regularly to maintain optimal performance.

4. Stopping the Engine

- Release the engine brake lever (if applicable).
- Move the throttle lever to the "STOP" position.
- Wait for all moving parts to come to a complete stop before approaching the mower.



Figure 3: A person demonstrating the use of the Scheppach MS173-51 lawn mower on a grassy area.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lawn mower.

1. General Cleaning

- After each use, clean the underside of the mower deck to remove grass clippings and debris. A hose connection might be available for easy cleaning.
- Wipe down the exterior surfaces with a damp cloth.
- Ensure air vents are clear of obstructions.



Figure 4: A person using a hose to clean the underside of the lawn mower deck, a common maintenance task.

2. Blade Inspection and Sharpening

- Regularly inspect the cutting blade for sharpness and damage. A dull blade can tear grass, leading to an unhealthy lawn.
- If necessary, have the blade sharpened or replaced by a qualified service technician.
- Always disconnect the spark plug wire before inspecting or working on the blade.

3. Oil Change

- Change the engine oil after the first 5 hours of operation, and then every 25-50 hours or annually, whichever comes first.
- Refer to the engine manual for the correct procedure and oil type.

4. Spark Plug

- Inspect and clean the spark plug annually or every 50 hours. Replace if worn or fouled.

5. Air Filter

- Clean or replace the air filter regularly, especially when operating in dusty conditions.

6. Storage

- Before long-term storage, drain the fuel tank or add a fuel stabilizer.
- Clean the mower thoroughly and store it in a dry, protected area.

TROUBLESHOOTING

This section addresses common issues you might encounter with your lawn mower.

Problem	Possible Cause	Solution
Engine does not start	No fuel; old fuel; spark plug issue; engine brake not engaged.	Check fuel level; use fresh fuel; inspect/replace spark plug; ensure engine brake is held.
Engine runs rough or stalls	Dirty air filter; old fuel; carburetor issue.	Clean/replace air filter; use fresh fuel; consult service center for carburetor.
Uneven cut	Dull or bent blade; uneven cutting height adjustment; mowing too fast.	Sharpen/replace blade; ensure all wheels are at the same height; reduce mowing speed.
Excessive vibration	Bent blade; loose components; engine imbalance.	Inspect blade for damage; tighten all fasteners; consult service center.

TECHNICAL SPECIFICATIONS

Feature	Detail
Model	MS173-51
Engine Displacement	173 cc
Cutting Width	51 cm
Cutting Height Adjustment	7 positions (25 mm - 75 mm)
Power Source	Gasoline (Petrol)
Operating Mode	Walk-behind Rotary Mower
Material	Alloy Steel
Product Dimensions (L x W x H)	164 x 56 x 113 cm
Item Weight	26.6 kg

WARRANTY AND SUPPORT

Scheppach stands behind the quality of its products.

Warranty Information

This Scheppach MS173-51 lawn mower comes with a **10-year warranty**, ensuring peace of mind for your investment. Additionally, spare parts availability is guaranteed for 7 years within the EU.



Figure 5: Official Scheppach 10-year warranty emblem.

Customer Support

For technical assistance, spare parts, or warranty claims, please contact your authorized Scheppach dealer or visit the official Scheppach website for support contact information.

Manufacturer: SCHEPPACH

Model Number: MS173-51