

AL-KO 119884

AL-KO Highline 51.9 SP-H Petrol Lawn Mower User Manual

Model: 119884

1. INTRODUCTION AND SAFETY INFORMATION

Thank you for choosing the AL-KO Highline 51.9 SP-H Petrol Lawn Mower. This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your new lawn mower. Please read this manual thoroughly before initial use and keep it for future reference.

1.1 General Safety Warnings

- **Read the Manual:** Always read and understand the entire instruction manual before operating the machine.
- **Personal Protective Equipment (PPE):** Wear appropriate safety gear, including sturdy footwear, long trousers, and hearing protection.
- **Keep Clear:** Ensure that other persons, especially children and pets, are kept at a safe distance from the operating area.
- **Fuel Handling:** Handle fuel with extreme care. Petrol is highly flammable. Refuel outdoors and do not smoke while refueling.
- **Slope Operation:** Exercise extreme caution when operating on slopes. Mow across the face of slopes, never up and down.
- **Inspection:** Before each use, inspect the machine for damaged parts, loose fasteners, or fuel leaks.

2. PRODUCT OVERVIEW

The AL-KO Highline 51.9 SP-H is a robust petrol lawn mower designed for efficient lawn care. It features a 51 cm cutting width, a powerful 3.2 kW engine, and a self-propelled drive system for effortless operation. Key functionalities include central cutting height adjustment, mulching, and side discharge.



Figure 2.1: AL-KO Highline 51.9 SP-H Petrol Lawn Mower, front-side view.

2.1 Key Features

- **Cutting Width:** 51 cm for efficient coverage of large areas.
- **Engine Power:** 3.2 kW for reliable performance.
- **Self-Propelled:** Wheel drive for reduced effort during operation.
- **Central Cutting Height Adjustment:** Easy adjustment from 30 mm to 80 mm.
- **4INONE Function:** Mowing, catching, mulching, and side discharge capabilities.

3. SETUP AND INITIAL PREPARATION

3.1 Unpacking and Assembly

1. Carefully remove all components from the packaging.
2. Unfold and secure the handle assembly using the provided fasteners. Ensure all cables are routed correctly and not pinched.
3. Assemble the grass catcher according to the instructions and attach it to the mower.



Figure 3.1: Mower showing the 4INONE function label, indicating versatility.

3.2 Initial Checks and Fueling

1. **Engine Oil:** Before first use, check the engine oil level. If necessary, add suitable 4-stroke engine oil up to the 'MAX' mark on the dipstick. Refer to the engine manual for oil specifications.
2. **Fuel:** Fill the fuel tank with fresh, unleaded petrol (minimum 95 RON). Do not overfill. Ensure the fuel cap is securely tightened.
3. **Spark Plug:** Verify that the spark plug cable is securely connected to the spark plug.

4. OPERATING INSTRUCTIONS

4.1 Starting and Stopping the Engine

1. **Starting:** Ensure the spark plug cable is connected. Push the primer bulb (if equipped) 3-5 times. Hold the engine brake lever (safety bar) against the handle. Pull the starter cord firmly until the engine starts.
2. **Stopping:** Release the engine brake lever. The engine will stop automatically.

4.2 Adjusting Cutting Height

The cutting height can be centrally adjusted using a single lever. This mower offers 7 cutting height positions from 30 mm to 80 mm.

1. Ensure the engine is switched off and the blade has stopped rotating.
2. Locate the central cutting height adjustment lever, typically on the side of the mower deck.
3. Pull the lever outwards and move it to the desired height setting. Release the lever to lock it into position.



Figure 4.1: Side view of the mower, illustrating its profile and handle position.

4.3 Mowing Techniques

- For best results, mow when the grass is dry.
- Avoid cutting more than one-third of the grass height at a time.
- Overlap each pass slightly to ensure an even cut.
- Change mowing direction regularly to prevent matting of the grass.

4.4 Mulching Function

The mulching function finely chops grass clippings and returns them to the lawn as natural fertilizer. To engage mulching:

1. Remove the grass catcher.
2. Insert the mulching plug into the discharge opening.
3. Ensure the mulching plug is securely in place before starting the engine.

4.5 Side Discharge Function

For areas with very tall grass where catching is not desired, the side discharge function can be used.

1. Remove the grass catcher and mulching plug.

2. Attach the side discharge chute to the side opening of the mower deck.
3. Ensure the chute is securely attached before operation.



Figure 4.2: Illustration of MAXAIRFLOW technology, enhancing grass collection and mulching performance.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AL-KO lawn mower. Always switch off the engine, disconnect the spark plug cap, and allow the engine to cool before performing any maintenance.

5.1 After Each Use

- **Cleaning:** Clean the mower deck, grass catcher, and wheels of grass clippings and dirt. Use a brush or a damp cloth. Do not use high-pressure cleaners.
- **Inspection:** Check for any loose screws, nuts, or damaged parts. Tighten or replace as necessary.

5.2 Blade Care

The cutting blade should be inspected regularly for wear, damage, or imbalance. A dull or damaged blade can lead to an uneven cut and increased engine strain.

- **Sharpening:** Have the blade sharpened by a qualified service technician.

- **Replacement:** Replace severely damaged or unbalanced blades with genuine AL-KO spare parts.

5.3 Engine Maintenance

Refer to the separate engine manual for detailed maintenance schedules and procedures for the engine components.

- **Air Filter:** Clean or replace the air filter regularly, especially in dusty conditions.
- **Spark Plug:** Inspect and clean the spark plug annually. Replace if worn.
- **Oil Change:** Change the engine oil after the first 5 operating hours, then annually or every 50 operating hours.

5.4 Storage

- Clean the mower thoroughly.
- Drain the fuel tank or add a fuel stabilizer if storing for more than 30 days.
- Store the mower in a dry, well-ventilated area, protected from frost and direct sunlight.

6. TROUBLESHOOTING

This section provides solutions for common issues you might encounter. For problems not listed here or if solutions do not resolve the issue, contact AL-KO customer support or a qualified service center.

Problem	Possible Cause	Solution
Engine does not start	No fuel; Spark plug cable loose; Engine brake lever not engaged; Dirty spark plug; Old fuel.	Add fresh fuel; Connect spark plug cable; Hold engine brake lever; Clean/replace spark plug; Drain and refill with fresh fuel.
Uneven cutting result	Dull or damaged blade; Incorrect cutting height; Mowing too fast.	Sharpen/replace blade; Adjust cutting height; Mow at a slower pace.
Excessive vibration	Bent or unbalanced blade; Loose engine mounting bolts.	Inspect and replace blade if bent/unbalanced; Check and tighten all bolts.
Engine loses power	Dirty air filter; Clogged fuel filter; Low oil level.	Clean/replace air filter; Clean/replace fuel filter; Check and top up oil.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	Highline 51.9 SP-H
Part Number	119884
Engine Power	3.2 kW
Cutting Width	51 cm

Feature	Specification
Cutting Height Adjustment	Central, 7 positions
Minimum Cutting Height	30 mm
Maximum Cutting Height	80 mm
Weight	36.3 kg
Sound Power Level	98 dB
Material	Alloy Steel, Plastic
Drive Type	Self-propelled (wheel drive)
Functions	Mowing, Catching, Mulching, Side Discharge

8. WARRANTY AND SUPPORT

Your AL-KO Highline 51.9 SP-H Petrol Lawn Mower is covered by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration. Keep your proof of purchase for warranty claims.

8.1 Customer Support

For technical assistance, spare parts, or service, please contact your authorized AL-KO dealer or visit the official AL-KO website for contact information in your region. When contacting support, please have your model number (119884) and serial number ready.

