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HYUNDAI LM5103G M

HYUNDAI LM5103G M Gasoline Lawnmower Instruction Manual

Model: **LM5103G M** | Brand: **HYUNDAI**

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your HYUNDAI LM5103G M Gasoline Lawnmower. Please read this manual thoroughly before operating the machine and keep it for future reference.

The HYUNDAI LM5103G M is a small, light, and robust mulching lawnmower featuring a 51 cm cutting width and side discharge capability. It is equipped with a powerful, economical, and reliable Hyundai engine (2.9 kW / 3.9 hp at 2,800 rpm, 170.1 cc, OHV) and a solid, powder-coated, corrosion-resistant metal housing.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating the lawnmower. Failure to follow these instructions can result in serious injury or property damage.

- Read and understand all instructions before operating the machine.
- Keep children and pets away from the operating area.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, sturdy footwear, and long pants.
- Inspect the area for objects that could be thrown by the blade before mowing. Remove stones, sticks, wires, and other debris.
- Never operate the lawnmower in wet grass or rain.
- Refuel in a well-ventilated area with the engine off and cool. Avoid spilling fuel.
- Do not operate the machine if guards or safety devices are damaged or not in place.
- Always turn off the engine and disconnect the spark plug wire before performing any maintenance, cleaning, or clearing blockages.
- Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on

slopes.

3. SETUP AND ASSEMBLY

The HYUNDAI LM5103G M requires some assembly before first use. Follow these steps carefully:

1. **Unpacking:** Carefully remove all components from the packaging. Check for any damage during transit.
2. **Handle Assembly:** Attach the upper handle to the lower handle, and then attach the complete handle assembly to the main unit. Secure all bolts and knobs firmly.
3. **Adding Engine Oil:** The engine is shipped without oil. Fill the engine with the recommended type and amount of engine oil (refer to the engine manual for specifics, typically 0.6 liters of SAE 30 or 10W-30). Do not overfill.
4. **Adding Fuel:** Fill the fuel tank with fresh, unleaded gasoline. Do not use E85 or other ethanol blends higher than E10. Ensure the fuel cap is securely tightened.
5. **Mulching Plug / Side Discharge Deflector:** Decide whether to use the mulching function or side discharge.
 - For mulching, ensure the side discharge deflector is closed and the mulching plug is inserted.
 - For side discharge, remove the mulching plug and attach the side discharge deflector.

26 KG

LEICHT UND KOMPAKT



SCHNITTBREITE

51 CM

Figure 1: Overview of the HYUNDAI LM5103G M Lawnmower, highlighting its compact design and 51 cm cutting width.

SEITLICHER AUSWURF



Figure 2: The side discharge feature of the lawnmower, allowing grass clippings to be expelled to the side.

4. OPERATING INSTRUCTIONS

4.1. Starting the Engine

1. Ensure the spark plug wire is securely connected.
2. Move the throttle lever to the "START" or "CHOKE" position (if applicable).
3. Press the primer bulb 3-5 times (if equipped) until fuel is visible in the bulb.
4. Hold the engine brake lever against the handle.
5. Pull the starter rope with a firm, steady motion until the engine starts. Do not let the rope snap back.
6. Once the engine starts, gradually move the throttle lever to the "RUN" position.

2.9 KW / 3.9 PS

BENZINMOTOR



SEILZUGSTART

Figure 3: The gasoline engine with its pull-start mechanism, providing reliable power for mowing.

4.2. Adjusting Cutting Height

The lawnmower features a central 6-fold height adjustment system, allowing cutting heights from 25 mm to 75 mm.

- Turn off the engine and wait for the blade to stop completely.
- Locate the height adjustment lever, typically near one of the wheels.
- Pull the lever outwards and move it to the desired height setting. Ensure all wheels are set to the same height.



Figure 4: The 6-fold central height adjustment system, allowing precise control over cutting height from 25 mm to 75 mm.

4.3. Mowing Techniques

- For best results, mow when the grass is dry.
- Do not remove more than one-third of the grass height in a single pass.
- Overlap cutting swaths slightly to ensure even coverage.
- When mulching, ensure the grass is not too long or wet to prevent clogging.
- The large, double ball-bearing wheels provide good mobility and are lawn-friendly, making it easy to maneuver.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lawnmower.

5.1. General Cleaning

- After each use, clean the underside of the mower deck to prevent grass buildup. Turn off the engine, disconnect the spark plug, and tilt the mower.

- Wipe down the exterior with a damp cloth. Do not use a high-pressure washer directly on the engine or electrical components.

5.2. Blade Care

- Regularly inspect the blade for sharpness and damage. A dull blade tears grass, leading to an unhealthy lawn.
- Sharpen or replace the blade as needed. Always use genuine HYUNDAI replacement parts.
- When handling the blade, wear heavy-duty gloves.

ROBUSTES GEHÄUSE



KORROSIONSCHUTZ DURCH PULVERBESCHICHTUNG

Figure 5: The robust, powder-coated metal housing and cutting blade, designed for corrosion resistance and efficient mowing.

5.3. Engine Maintenance

- **Oil Change:** Change the engine oil after the first 5 hours of operation, then every 25-50 hours or annually, whichever comes first.
- **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 or fouled.
- **Fuel System:** At the end of the mowing season, either run the engine until it runs out of fuel or use a fuel stabilizer to prevent fuel degradation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine does not start	No fuel; old fuel; spark plug disconnected; engine brake not engaged; clogged fuel filter; dirty spark plug.	Add fresh fuel; check spark plug connection; engage engine brake; clean/replace fuel filter; clean/replace spark plug.
Engine runs poorly or stalls	Dirty air filter; old fuel; carburetor issues; incorrect engine oil level.	Clean/replace air filter; use fresh fuel; consult service center for carburetor; check oil level.
Uneven cut	Dull or bent blade; uneven wheel height adjustment.	Sharpen or replace blade; ensure all wheels are set to the same cutting height.
Excessive vibration	Bent blade; loose blade bolts; engine imbalance.	Inspect and replace bent blade; tighten blade bolts; consult service center for engine issues.

7. SPECIFICATIONS

Feature	Detail
Brand	HYUNDAI
Model Number	LM5103G M
Power Source	Gasoline powered
Engine Power	2.9 kW (3.9 hp) at 2,800 rpm, 170.1 cc, OHV
Cutting Width	51 cm
Cutting Height Adjustment	Central, 6 positions (25 mm - 75 mm)
Operating Mode	Manual (Push)
Material	Metal (Powder-coated, corrosion-resistant housing)
Item Weight	26.2 Kilograms
Product Dimensions (D x W x H)	134.5 x 104 x 67.5 cm
Wheel Size	178 mm / 254 mm (Front/Rear)
Assembly Required	Yes
First Available Date	January 15, 2020

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product at the time of purchase. HYUNDAI products are distributed and supported by HPP Pro GmbH in Germany, Austria, Luxembourg, and Switzerland.

For service, repairs, or technical assistance, please contact your authorized HYUNDAI dealer or the central service station of HPP Pro GmbH. Ensure you have your model number (LM5103G M) and purchase details available when contacting support.

You can find more information about HYUNDAI lawnmowers and support options on the official HYUNDAI power equipment website or through your local distributor.



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