Royalty Line RK-550

ROYALTY LINE RK-550 55cc 2-in-1 Gasoline Brush Cutter Instruction Manual

Model: RK-550 | Brand: Royalty Line

1. Introduction

This instruction manual provides essential information for the safe and efficient operation, assembly, maintenance, and troubleshooting of your ROYALTY LINE RK-550 55cc 2-in-1 Gasoline Brush Cutter. Please read this manual thoroughly before using the product and keep it for future reference.

The RK-550 is a versatile, powerful, and lightweight fixed-bar brush cutter, designed for users seeking ease of use and professional results in tasks such as clearing brush, profiling shrubs, or trimming grass in hard-to-reach areas, dense vegetation, or where lawnmowers struggle. It is equipped with a powerful 55cc 2-stroke engine with manual start. The indivisible bar design enhances robustness and safety during operation, and the product can be disassembled into two pieces for convenient transport.

2. Safety Information

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury or death.

- **Read the Manual:** Before operation, thoroughly read and understand all instructions and safety warnings in this manual.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses or a face shield, hearing protection, heavy-duty gloves, long pants, and sturdy, non-slip footwear.
- **Work Area:** Ensure the work area is clear of other people, children, and pets. Inspect the area for debris, rocks, or other objects that could be thrown by the cutting attachment.
- **Fuel Handling:** Handle gasoline with extreme care. Mix fuel in a well-ventilated area away from ignition sources. Do not smoke while refueling.
- **Engine Hot:** The engine and muffler become very hot during operation and can cause burns. Allow the engine to cool before touching or performing maintenance.
- **Proper Grip:** Maintain a firm grip on both handles during operation.
- **Avoid Kickback:** Be aware of potential kickback when using the blade, especially when cutting thicker material.
- **Maintenance:** Perform regular maintenance as described in this manual to ensure safe and efficient operation.

3. Product Overview

Key Features

- Gasoline brush cutter with an INDIVISIBLE bar for increased robustness and safety during operation. The product can be disassembled into two pieces for transport in a car trunk.
- Equipped with a universal quick-change adapter. Includes a 3-prong disc and a nylon head. Can accommodate other cutting accessories like 2-prong discs, shredding discs, multi-tooth discs, and chain heads (not included).
- With a 55cc engine and approximately 2.15 HP, this brush cutter is ideal for working on terrain with small shrubs, brambles, areas with small reeds, and general grass cutting.
- INCLUDES: 3-prong disc, refillable nylon head, tool kit, fuel-oil mixing bottle, and shoulder harness.

Components



Figure 3.1: Royalty Line RK-550 55cc Gasoline Brush Cutter engine and handle assembly.



Figure 3.2: Close-up view of the Royalty Line RK-550 engine and fuel tank.



Figure 3.3: Royalty Line RK-550 brush cutter with 3-prong metal blade attached.



Figure 3.4: Royalty Line RK-550 brush cutter with nylon trimmer head attached.

4. Setup and Assembly

4.1 Unpacking

Carefully remove all components from the packaging. Check for any damage during transit. Ensure all listed parts are present: engine unit, shaft sections, handles, guard, 3-prong disc, nylon head, tool kit, fuel mixing bottle, and shoulder harness.

4.2 Assembling the Shaft

1. Align the two shaft sections.
2. Push them together until they click or the locking mechanism engages securely.
3. Tighten any securing bolts or clamps as per the included diagram (refer to the separate assembly diagram if provided).

4.3 Attaching the Cutting Head

The RK-550 comes with a universal quick-change adapter, allowing for easy attachment of the 3-prong disc or nylon head.

1. Ensure the engine is off and the spark plug cap is disconnected.
2. Attach the protective guard to the lower shaft using the provided fasteners. Ensure it is securely mounted to protect against flying debris.
3. To attach the 3-prong disc: Place the disc onto the shaft, ensuring it aligns with the mounting points. Secure it with the washer and nut, tightening firmly with the included tool.

4. To attach the nylon head: Screw the nylon head onto the shaft until it is hand-tight, then use the tool to secure it further if necessary.

4.4 Fuel Mixing

This brush cutter uses a 2-stroke engine and requires a specific gasoline-to-oil mixture. Refer to the engine manufacturer's recommendations for the exact mixing ratio (typically 25:1 or 50:1, depending on the oil type). Use the provided mixing bottle for accurate measurement.

1. Fill the mixing bottle with the required amount of fresh, unleaded gasoline.
2. Add the correct amount of 2-stroke engine oil to the gasoline.
3. Securely close the bottle and shake well to ensure thorough mixing.
4. Carefully pour the mixed fuel into the brush cutter's fuel tank, avoiding spills.

4.5 Attaching the Harness

Attach the shoulder harness to the designated attachment point on the brush cutter shaft. Adjust the harness straps for a comfortable and balanced fit, ensuring the cutting head is at the correct working height when standing upright.

5. Operating Instructions

5.1 Starting the Engine

1. Place the brush cutter on a flat, stable surface.
2. Ensure the fuel tank is filled with the correct fuel mixture.
3. Set the ON/OFF switch to the 'ON' position.
4. Engage the choke (if cold start).
5. Press the primer bulb several times until fuel is visible.
6. Pull the starter cord firmly and smoothly until the engine starts.
7. Once started, gradually disengage the choke. Allow the engine to warm up for a few moments before beginning work.

5.2 Using the Brush Cutter

Hold the brush cutter firmly with both hands. Maintain a stable stance. Swing the cutting head in a controlled arc, moving from right to left for optimal cutting and debris dispersal. Avoid hitting hard objects or the ground with the cutting attachment.



Figure 5.1: User operating the Royalty Line RK-550 brush cutter in a garden.

5.3 Stopping the Engine

To stop the engine, simply move the ON/OFF switch to the 'OFF' position.

5.4 Operational Videos

Video 5.1: Demonstration of the Royalty Line RK-550 brush cutter in use, showing starting and cutting tall grass.

Video 5.2: Further demonstration of the Royalty Line RK-550 brush cutter, highlighting its effectiveness on various terrains.

Video 5.3: A comprehensive view of the Royalty Line RK-550 brush cutter's performance in a garden setting.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your brush cutter. Always ensure the engine is off and cool, and the spark plug cap is disconnected before performing any maintenance.

6.1 Cleaning

- After each use, clean the cutting head and guard to remove grass, dirt, and debris.
- Wipe down the engine and shaft with a damp cloth. Avoid using harsh chemicals or high-pressure water directly on the engine.

6.2 Spark Plug

- Inspect the spark plug periodically for wear or carbon buildup. Clean or replace as necessary.
- Ensure the spark plug gap is set correctly according to manufacturer specifications.

6.3 Air Filter

- Check the air filter regularly and clean it if it's dirty. A clogged air filter can reduce engine performance.
- Replace the air filter if it is damaged or cannot be cleaned effectively.

6.4 Storage

- Before long-term storage, drain the fuel tank or run the engine until it runs out of fuel to prevent fuel degradation issues.
- Clean the entire unit thoroughly.
- Store the brush cutter in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

7. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Engine won't start	No fuel, incorrect fuel mixture, spark plug issue, clogged fuel filter, choke not set.	Check fuel level and mixture. Inspect/clean/replace spark plug. Clean/replace fuel filter. Adjust choke.
Loss of power during operation	Clogged air filter, incorrect fuel mixture, dull cutting attachment.	Clean/replace air filter. Verify fuel mixture. Replace/sharpen cutting attachment.
Excessive vibration	Damaged or unbalanced cutting attachment, loose components.	Inspect cutting attachment for damage, replace if necessary. Check all bolts and fasteners for tightness.
Engine stalls frequently	Incorrect idle speed, fuel system issue, overheating.	Adjust idle speed. Check fuel lines and filter. Ensure proper ventilation.

8. Technical Specifications

Specification	Value
Model Number	RK-550
Brand	Royalty Line
Engine Type	2-stroke, Gasoline (1E40F-5A)
Displacement	55cc
Maximum Power	1.6 KW / 7500 RPM (approx. 2.15 HP)
Forward Speed	2800 RPM
Operating Speed	7500 RPM
Product Dimensions (L x W x H)	165 x 40 x 12.7 cm
Product Weight (Net / Gross)	7.5 kg / 8.5 kg (approx. 9 kg total)
Color	Orange
Assembly Required	Yes
EU Spare Part Availability	2 Years
Recommended Uses	Edging, brush clearing, grass trimming

9. Warranty and Support

Your ROYALTY LINE RK-550 brush cutter is covered by a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions. For technical support, spare parts, or warranty claims, please contact your retailer or the official Royalty Line customer service. Keep your proof of purchase for warranty validation.

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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Example: How do I reset this device or fix this error?

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