

## RYOBI EKK-2370

# RYOBI EKK-2370 Brush Cutter Instruction Manual

Model: EKK-2370

## 1. SAFETY INSTRUCTIONS

Always prioritize safety when operating the RYOBI EKK-2370 brush cutter. Failure to follow these instructions may result in serious injury or property damage.

### 1.1 Personal Protective Equipment (PPE)

- Always wear safety glasses or a face shield to protect against flying debris.
- Wear sturdy, non-slip footwear and long pants to protect legs and feet.
- Use hearing protection (earplugs or earmuffs) to prevent noise-induced hearing loss.
- Wear heavy-duty gloves for improved grip and hand protection.

### 1.2 Work Area Safety

- Clear the work area of stones, metal objects, wire, and other debris that could be thrown by the cutting attachment.
- Keep bystanders, children, and pets at a safe distance (at least 15 meters / 50 feet) from the operating area.
- Do not operate the brush cutter in poor lighting conditions or on slippery surfaces.
- Avoid operating near flammable liquids or gases.

### 1.3 Fuel Handling

- Mix fuel outdoors in a well-ventilated area.
- Use a proper fuel container.
- Do not smoke while handling fuel.
- Wipe up any spilled fuel immediately.
- Never refuel a hot engine. Allow the engine to cool before adding fuel.

## 2. PRODUCT OVERVIEW

The RYOBI EKK-2370 is a powerful brush cutter designed for efficient clearing of dense vegetation, tall grass, and small brush. Familiarize yourself with its components before operation.



**Figure 1:** RYOBI EKK-2370 Brush Cutter. This image displays the complete brush cutter assembly, including the engine unit, shaft, handle, and cutting blade.

## 2.1 Main Components

- **Engine Unit:** Houses the engine, fuel tank, and air filter.
- **Shaft:** Connects the engine to the cutting head.
- **Handlebar:** Provides control and comfort during operation.
- **Throttle Trigger:** Controls engine speed.
- **Stop Switch:** Immediately shuts off the engine.
- **Cutting Head:** Attaches the blade or trimmer line.
- **Guard:** Protects the operator from flying debris.

## 3. SETUP AND ASSEMBLY

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Before first use, ensure all components are correctly assembled and fuel is properly mixed.

### 3.1 Handlebar Assembly

1. Attach the handlebar to the shaft using the provided clamps and bolts.
2. Adjust the handlebar position for comfortable operation, ensuring easy access to the throttle and stop switch.
3. Tighten all bolts securely.

### 3.2 Cutting Head Installation

1. Ensure the engine is off and the spark plug cap is disconnected.
2. Mount the guard securely to the shaft.
3. Attach the desired cutting blade or trimmer head according to the instructions provided with the accessory. Ensure it is properly seated and tightened.

### 3.3 Fuel Mixing

The EKK-2370 uses a 2-stroke engine. It requires a mixture of unleaded gasoline and 2-stroke engine oil. Refer to the engine oil manufacturer's instructions for the correct mixing ratio (typically 50:1 or 25:1).

- Use fresh, unleaded gasoline with an octane rating of 89 or higher.

- Use high-quality 2-stroke engine oil specifically designed for air-cooled engines.
- Mix the fuel and oil in a separate, approved fuel container. Shake well before pouring into the brush cutter's fuel tank.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Starting the Engine

1. Place the brush cutter on a flat, stable surface.
2. Ensure the stop switch is in the 'ON' position.
3. Prime the carburetor by pressing the primer bulb several times until fuel is visible.
4. Move the choke lever to the 'CLOSED' (cold start) position.
5. Pull the starter rope firmly and steadily until the engine fires (usually 1-3 pulls).
6. Once the engine fires, move the choke lever to the 'OPEN' position.
7. Pull the starter rope again until the engine starts and runs smoothly.
8. Allow the engine to warm up for a few minutes before beginning operation.

### 4.2 Operating the Brush Cutter

- Hold the brush cutter firmly with both hands.
- Maintain a balanced stance.
- Start cutting at a low throttle setting and gradually increase as needed.
- Use a sweeping motion, cutting from right to left for optimal efficiency and debris control.
- Avoid hitting hard objects with the cutting blade.
- If the cutting head becomes jammed, immediately release the throttle and turn off the engine before clearing the obstruction.

### 4.3 Stopping the Engine

Release the throttle trigger and move the stop switch to the 'OFF' position.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your RYOBI EKK-2370 brush cutter. Always disconnect the spark plug cap before performing any maintenance.

### 5.1 Cleaning

- After each use, clean the exterior of the brush cutter, especially the cutting head and guard, to remove grass, dirt, and debris.
- Ensure cooling fins on the engine are free of obstructions.

### 5.2 Air Filter

- Check the air filter regularly (daily or after every few hours of use).
- Clean or replace the air filter if it is dirty or clogged. A dirty air filter can reduce engine performance and increase fuel consumption.

### 5.3 Spark Plug

- Inspect the spark plug periodically (e.g., every 25 hours of operation).
- Clean or replace the spark plug if it is fouled or worn. Ensure the gap is set correctly according to specifications.

5.4 Cutting Blade/Trimmer Head

- Inspect the cutting blade for sharpness and damage before each use. Sharpen or replace dull/damaged blades.
- For trimmer heads, ensure the line is properly loaded and replace worn line as needed.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your RYOBI EKK-2370 brush cutter.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke position, fouled spark plug, clogged fuel filter	Check fuel level, adjust choke, clean/replace spark plug, clean/replace fuel filter
Engine runs poorly/lacks power	Dirty air filter, incorrect fuel mixture, fouled spark plug, carburetor issues	Clean/replace air filter, use correct fuel mixture, clean/replace spark plug, consult service center for carburetor
Excessive vibration	Damaged or unbalanced cutting blade, loose components	Inspect and replace blade if damaged, tighten all bolts and fasteners

7. SPECIFICATIONS

Key technical specifications for the RYOBI EKK-2370 brush cutter.

- **Model:** EKK-2370
- **Engine Type:** 2-stroke, air-cooled
- **Fuel Mixture:** Gasoline and 2-stroke oil (refer to oil manufacturer for ratio)
- **Cutting Attachment:** Blade or trimmer head (interchangeable)
- **ASIN:** B01BKJGNWI



**Figure 2:** RYOBI Clean Engine Technology. This image highlights that RYOBI's clean engine significantly reduces unburnt gas emissions and complies with 3rd stage voluntary emission regulations, clearing a regulatory standard value of 50g/kWh or less.

## 8. WARRANTY AND SUPPORT

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For warranty information, technical support, or to purchase replacement parts, please refer to the official RYOBI website or contact your authorized RYOBI dealer. Keep your proof of purchase for warranty claims.

This product is a parallel import. Warranty terms may vary. Please consult your retailer for specific warranty details.