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› [INGCO GBC5434421 Gasoline Grass Trimmer & Brush Cutter User Manual](#)

### Ingco GBC5434421

# INGCO GBC5434421 Gasoline Grass Trimmer & Brush Cutter User Manual

Model: GBC5434421

## 1. IMPORTANT SAFETY INFORMATION

Read this manual carefully before operating the INGCO GBC5434421 Gasoline Grass Trimmer & Brush Cutter. Failure to follow instructions can result in serious injury or property damage. Keep this manual for future reference.

### General Safety Precautions:

- **Personal Protective Equipment (PPE):** Always wear safety glasses or goggles, hearing protection, heavy-duty long pants, long sleeves, and sturdy non-slip footwear. Consider a face shield and gloves.
- **Work Area:** Clear the work area of debris, rocks, and other objects that could be thrown by the cutting attachment. Keep bystanders, children, and pets at least 15 meters (50 feet) away.
- **Fuel Handling:** Handle gasoline with extreme care. It is highly flammable. Store fuel in approved containers, in a well-ventilated area, away from ignition sources. Never refuel a hot engine.
- **Inspection:** Before each use, inspect the unit for loose fasteners, damaged parts, and proper assembly. Do not operate if any part is damaged.
- **Operation:** Operate the tool only in good daylight or adequate artificial light. Maintain a firm grip on both handles. Do not overreach. Maintain proper footing and balance at all times.
- **Engine:** Never operate the engine in an enclosed space where dangerous carbon monoxide fumes can accumulate.

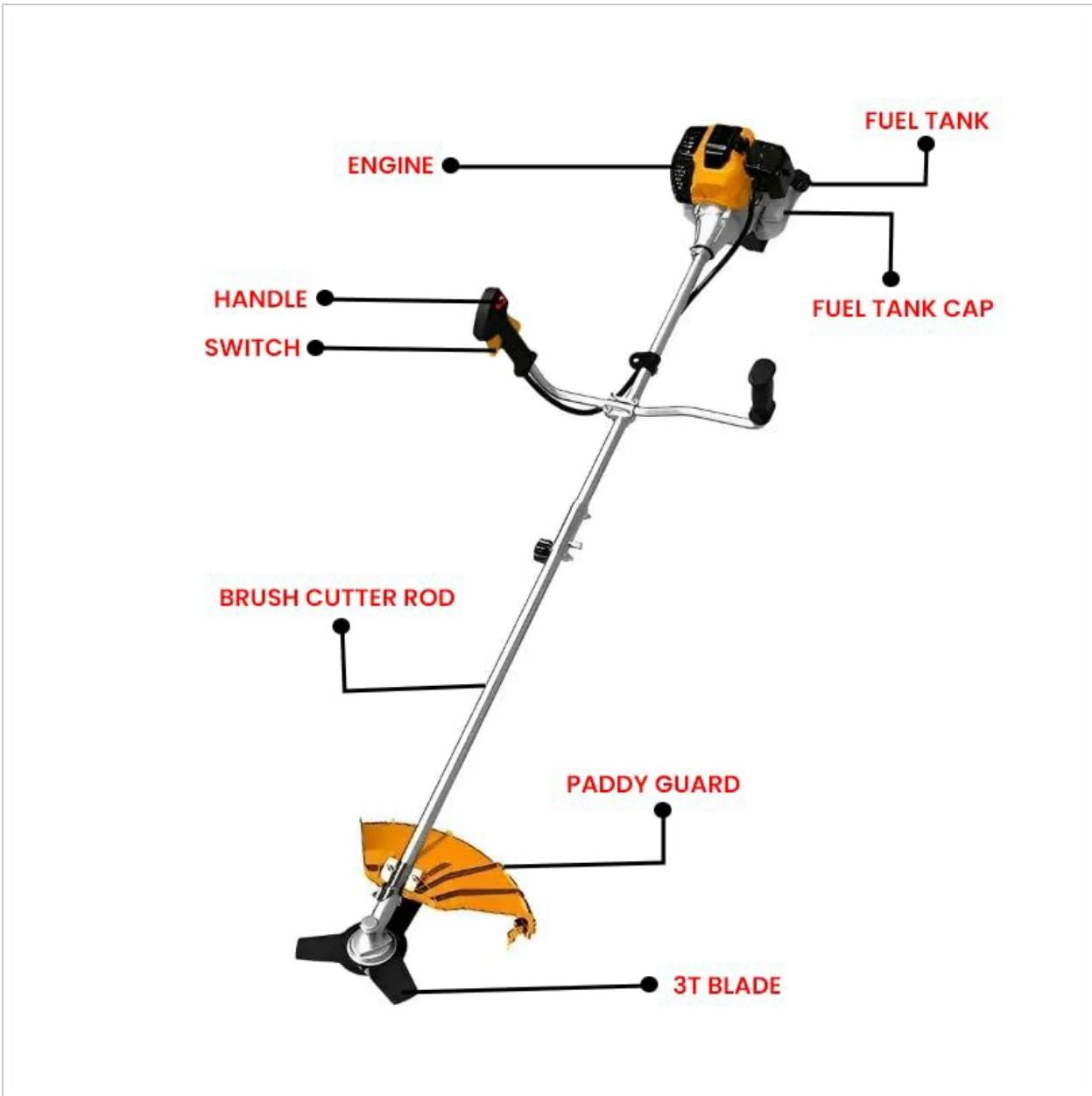
## 2. PRODUCT OVERVIEW

The INGCO GBC5434421 is a versatile 2-in-1 gasoline-powered tool designed for both grass trimming and brush cutting. It features a robust 42.7cc 2-stroke engine, providing efficient performance for various landscaping tasks.

### Included Components:

- 1 x Brush Cutter Unit
- 1 x Line Spool (ALS25405)
- 1 x 3-Teeth Blade (255mm)

## Component Identification:



This image displays a labeled diagram of the INGCO GBC5434421 Gasoline Grass Trimmer & Brush Cutter. Key components identified include the Engine, Fuel Tank, Fuel Tank Cap, Handle, Switch, Brush Cutter Rod, Paddy Guard, and the 3T Blade.

This visual aid helps users identify the different parts of the machine.



This image shows the INGCO GBC5434421 unit, highlighting its removable shaft feature for easier storage and transport. Also visible are the included accessories: a 3-teeth blade and a line spool, demonstrating the tool's dual functionality.

## 3. SETUP AND ASSEMBLY

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The INGCO GBC5434421 requires some assembly before first use. Follow these general steps:

### 3.1 Assembly:

- 1. Attach the Handle:** Secure the handlebar assembly to the main shaft using the provided fasteners. Ensure it is positioned comfortably for operation.
- 2. Install the Guard:** Mount the safety guard (paddy guard) above the cutting attachment. This guard protects against thrown debris.
- 3. Attach Cutting Attachment:** Depending on your task, attach either the line spool for grass trimming or the 3-teeth blade for brush cutting. Ensure the attachment is securely fastened according to the instructions in the separate attachment manual (if provided) or the main unit's specific instructions.
- 4. Check Connections:** Verify all connections and fasteners are tight before proceeding.

### 3.2 Fuel Mixing:

This unit uses a 2-stroke engine and requires a specific gasoline-to-oil mixture. Use fresh, unleaded gasoline with an octane rating of 89 or higher, mixed with high-quality 2-stroke engine oil designed for air-cooled engines.

- Mixing Ratio:** Refer to the engine manufacturer's recommendations, typically a 25:1 or 50:1 ratio (e.g., 25 parts gasoline to 1 part oil). Always follow the oil manufacturer's instructions for the correct ratio.
- Procedure:** Mix the fuel in an approved fuel container. First, add half the required gasoline, then all the 2-stroke oil, and finally the remaining gasoline. Shake the container thoroughly to ensure proper mixing.
- Filling the Fuel Tank:** With the engine off and cool, carefully fill the fuel tank (1200ml capacity) using a funnel to prevent spills. Do not overfill. Securely replace the fuel tank cap.

## 4. OPERATING INSTRUCTIONS

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Familiarize yourself with the controls and operating procedures before starting the engine.

## 4.1 Starting the Engine:

1. Place the unit on a flat, stable surface.
2. Set the engine switch to the "ON" position.
3. Engage the choke lever (if cold start).
4. Press the primer bulb several times until fuel is visible in the return line.
5. Pull the starter cord firmly and smoothly until the engine attempts to start (usually 3-5 pulls).
6. Once the engine fires, disengage the choke lever.
7. Pull the starter cord again until the engine starts and runs smoothly.
8. Allow the engine to warm up for a few moments before engaging the throttle.

## 4.2 Stopping the Engine:

To stop the engine, simply move the engine switch to the "OFF" position.

## 4.3 Operating as a Grass Trimmer:

- Use the line spool attachment for cutting grass and light weeds.
- Hold the unit with both hands, maintaining a comfortable and balanced stance.
- Keep the cutting head parallel to the ground.
- Advance the cutting line by tapping the cutting head on the ground while the engine is running at full throttle (if it's a bump-feed head).
- Work in a sweeping motion, cutting from right to left for optimal debris deflection.

## 4.4 Operating as a Brush Cutter:

- Use the 3-teeth blade for thicker brush, saplings, and dense weeds.
- Ensure the blade is sharp and securely attached.
- Always maintain a firm grip and control.
- Cut with a controlled, deliberate motion. Avoid striking hard objects.
- Be aware of kickback, which can occur if the blade strikes an object unexpectedly.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your INGCO GBC5434421. Always ensure the engine is off and cool before performing any maintenance.

### 5.1 Cleaning:

- After each use, clean the exterior of the unit, especially the cutting head and guard, to remove grass clippings and debris.
- Use a damp cloth; avoid using harsh chemicals or high-pressure water.

### 5.2 Air Filter:

- Inspect the air filter regularly (e.g., every 10 hours of operation).
- Clean or replace a dirty air filter to ensure proper engine performance and prevent damage.

### 5.3 Spark Plug:

- Check the spark plug periodically (e.g., every 25 hours).
- Clean or replace if it is fouled, worn, or damaged. Ensure the gap is correct.

### 5.4 Cutting Attachments:

- **Line Spool:** Replace the trimmer line when it runs out. Use 2.4mm diameter line.
- **3-Teeth Blade:** Inspect the blade for sharpness, cracks, or damage before each use. Sharpen or replace as necessary. Always use genuine INGCO replacement parts.

### 5.5 Storage:

- For long-term storage, drain the fuel tank or run the engine until it runs out of fuel to prevent fuel degradation.
- Clean the unit thoroughly.
- Store in a dry, well-ventilated area, out of reach of children.

## 6. TROUBLESHOOTING

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This section provides solutions to common operational issues.

Problem	Possible Cause	Solution
Engine won't start	No fuel or incorrect fuel mix Spark plug fouled or damaged Choke not set correctly Engine switch OFF	Check fuel level and mix Clean or replace spark plug Adjust choke Set switch to ON
Engine starts then stalls	Clogged fuel filter Dirty air filter Incorrect carburetor adjustment	Clean or replace fuel filter Clean or replace air filter Consult service center
Poor cutting performance	Dull or damaged blade/line Engine running at low RPM Excessive material being cut	Sharpen or replace blade/line Ensure full throttle Cut smaller sections
Excessive vibration	Loose cutting attachment Damaged or unbalanced blade	Tighten attachment Replace blade

## 7. SPECIFICATIONS

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Technical specifications for the INGCO GBC5434421 Gasoline Grass Trimmer & Brush Cutter:

- **Model:** GBC5434421
- **Brand:** Ingco
- **Engine Displacement:** 42.7cc

- **Rated Power:** 1.25kW (2HP)
- **Max Speed:** 9000 RPM
- **Engine Type:** 2-stroke, air-cooled, single-cylinder
- **Fuel Tank Capacity:** 1200ml
- **Cutting Path (Trimmer):** 420mm
- **Line Spool:** 2.4mm x 4m (ALS25405)
- **Blade Type:** 3-teeth blade
- **Blade Diameter:** 255mm
- **Item Weight:** 5 Kilograms
- **Product Dimensions:** 99L x 12.5W Centimeters
- **Power Source:** Gas Powered
- **Assembly Required:** Yes



This image shows the INGCO GBC5434421 Gasoline Grass Trimmer & Brush Cutter positioned in a green field. Overlaid text highlights key performance specifications: Power: 2HP, Speed: 9000RPM, and Displacement: 42.7cc, emphasizing the tool's robust capabilities.

## 8. WARRANTY AND SUPPORT

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For warranty information, technical support, or to purchase replacement parts, please contact your authorized INGCO dealer or the seller directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Ingco Tools

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