

## Roadoor 67DBD67DBD86744F68

# Roadoor 52cc Gasoline Grass Trimmer & Brush Cutter User Manual

Model: 67DBD67DBD86744F68

Brand: Roadoor

## 1. SAFETY INFORMATION

Operating any power tool requires strict adherence to safety guidelines to prevent injury and damage. Please read and understand all safety warnings before operating this grass trimmer and brush cutter.

### General Safety Warnings

- **Eye Protection:** Always wear appropriate eye protection, such as safety glasses or goggles, to shield against flying debris.
- **Personal Protective Equipment (PPE):** Wear sturdy footwear, long pants, and hearing protection. Gloves are recommended for better grip and protection.
- **Maintain Safe Distance:** Keep bystanders, children, and pets at a safe distance (at least 15 meters / 50 feet) from the operating area.
- **Clear Work Area:** Before starting, inspect the work area for objects that could be thrown or entangled, such as rocks, wire, or other debris.
- **Fuel Handling:** Handle gasoline in a well-ventilated area, away from open flames or sparks. Do not smoke while refueling.
- **Engine Off Before Maintenance:** Always turn off the engine and disconnect the spark plug wire before performing any adjustments, maintenance, or clearing blockages.
- **Weather Conditions:** Do not operate the trimmer in wet conditions, rain, or on slippery surfaces.
- **Proper Grip:** Always hold the trimmer firmly with both hands on the handles during operation.

## 2. PRODUCT OVERVIEW

The Roadoor 52cc Gasoline Grass Trimmer and Brush Cutter is a powerful and versatile tool designed for efficient garden maintenance, tackling overgrown lawns, thick weeds, and dense vegetation.

### Key Features

- Powerful 52cc 2-stroke engine delivering 2.2 kW at 8,500 RPM.
- Dual cutting system with a robust metal blade for brush cutting and a durable nylon line trimmer head for grass trimming.
- Ergonomic bullhorn handles for enhanced control, balance, and reduced user fatigue during prolonged use.
- Split shaft design for easy transport and compact storage.
- Efficient fuel system and Smart Bounce-Back Start technology for hassle-free starting.

### Components



Image showing the complete Roadoor 52cc Gasoline Grass Trimmer and its included accessories, such as the harness, safety glasses, gloves, fuel mixing bottle, and tools.



Image showing the powerful 52cc 2-stroke engine unit of the grass trimmer.



Close-up image of the control handle with throttle trigger and safety lock for precise operation.



Image of the ergonomic shoulder harness designed for comfortable operation and weight distribution.

### 3. WHAT'S IN THE BOX

Upon unpacking, please verify that all the following components are present:

- 1 x 52cc Gasoline Grass Trimmer Unit (Engine and Shaft)
- 1 x Control Handle Assembly (Bullhorn Handles)
- 1 x Extension Pole (Split Shaft)
- 1 x Fuel Mixing Bottle
- 1 x Assembly Tool Kit (Wrenches, Screwdriver)
- 1 x Safety Glasses
- 1 x Metal Blade (3-tooth)
- 1 x Nylon Trimmer Head (with grass rope)
- 1 x User Manual
- 1 x Shoulder Harness

## 4. ASSEMBLY INSTRUCTIONS

Follow these steps to assemble your Roadoor grass trimmer:

### 4.1 Attaching the Handles

1. Loosen the clamps on the bullhorn handle assembly.
2. Slide the handle assembly onto the main shaft to a comfortable operating position.
3. Tighten the clamps securely using the provided tools. Ensure the throttle cable is not pinched.

### 4.2 Installing the Blade or Trimmer Head

1. Ensure the engine is off and the spark plug cap is removed.
2. Align the appropriate cutting attachment (metal blade or nylon trimmer head) with the output shaft.
3. Secure the attachment using the provided nuts and washers. Ensure it is tightly fastened to prevent loosening during operation.



Image showing the metal blade attachment and the protective guard, ready for installation.

### 4.3 Assembling the Split Shaft

1. Align the two sections of the split shaft, ensuring the internal drive shaft connects properly.
2. Tighten the coupling mechanism until both sections are securely joined and there is no wobble.

#### 4.4 Attaching the Safety Guard

1. Mount the safety guard to the lower shaft section, ensuring it is positioned correctly to deflect debris away from the operator.
2. Secure the guard firmly with the provided fasteners.

#### 4.5 Connecting the Harness

1. Attach the shoulder harness to the designated hook point on the trimmer shaft.
2. Adjust the harness straps for a comfortable and balanced fit, distributing the weight evenly across your shoulders and back.

## 5. OPERATING INSTRUCTIONS

Proper operation ensures efficiency and extends the life of your trimmer.

### 5.1 Fuel Mixing

This trimmer uses a 2-stroke engine and requires a specific fuel mixture. Use unleaded gasoline mixed with 2-stroke engine oil at a ratio of **25:1 (Gasoline : 2-Stroke Oil)**.

- Use the provided fuel mixing bottle for accurate measurement.
- Always mix fuel in a well-ventilated area, away from ignition sources.
- Shake the mixture thoroughly before pouring it into the fuel tank.

### 5.2 Starting the Engine

1. Place the trimmer on a flat, stable surface.
2. Ensure the spark plug cap is securely connected.
3. Set the ON/OFF switch to the 'ON' position.
4. Engage the choke lever (usually to the 'CLOSED' or 'START' position).
5. Press the primer bulb several times until fuel is visible in the return line.
6. Pull the recoil starter cord firmly and smoothly until the engine fires (usually 1-3 pulls).
7. Once the engine fires, disengage the choke lever (to the 'OPEN' or 'RUN' position).
8. If the engine stalls, repeat the process. Allow the engine to warm up for a few moments before operating at full throttle.

### 5.3 Operating the Trimmer

- Wear all recommended PPE.
- Hold the trimmer firmly with both hands on the bullhorn handles.
- Maintain a balanced stance and keep the cutting attachment away from your body.
- For grass trimming, use a sweeping motion, cutting from right to left to direct debris away from you.

- For brush cutting with the metal blade, approach thick vegetation carefully, using controlled movements. Avoid hitting hard objects.



Image demonstrating a user holding the grass trimmer in an operating position.



Side view of a user operating the grass trimmer, showing proper posture and handle grip.

## 5.4 Stopping the Engine

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

# 6. MAINTENANCE

Regular maintenance is crucial for optimal performance and longevity of your trimmer. Always ensure the engine is off and cool, and the spark plug cap is disconnected before performing any maintenance.

## 6.1 Air Filter Cleaning

- Remove the air filter cover.
- Carefully remove the air filter element.
- Clean the filter with warm, soapy water, or compressed air. Allow it to dry completely before reinstallation.
- Replace the filter if it is damaged or excessively dirty.

## 6.2 Spark Plug Inspection/Replacement

- Remove the spark plug cap and then the spark plug using a spark plug wrench.
- Inspect the electrode for wear and carbon buildup. Clean if necessary.
- Check the spark plug gap and adjust if needed (refer to specifications for correct gap).
- Replace the spark plug annually or if it shows signs of significant wear.

## 6.3 Fuel Filter Check

- The fuel filter is located inside the fuel tank.
- Periodically check for debris or blockages. Clean or replace if necessary.

## 6.4 Blade/Trimmer Head Maintenance

- **Metal Blade:** Inspect for dullness, cracks, or damage. Sharpen dull blades or replace damaged ones.
- **Nylon Trimmer Head:** Ensure the line feeds properly. Replace the trimmer line when it runs out or becomes brittle.

## 6.5 General Cleaning and Storage

- Clean the exterior of the trimmer after each use to remove grass, dirt, and debris.
- For long-term storage, drain the fuel tank completely or use a fuel stabilizer.
- Store the trimmer in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

# 7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Engine won't start	No fuel or incorrect fuel mixture Choke not set correctly Spark plug fouled or loose Air filter clogged ON/OFF switch in 'OFF' position	Fill with correct 25:1 fuel mixture Adjust choke lever Clean/replace spark plug, ensure connection Clean air filter Set switch to 'ON'
Loss of power during operation	Clogged air filter Dull cutting attachment Incorrect fuel mixture Engine overheating	Clean air filter Sharpen/replace blade or line Verify fuel mixture ratio Allow engine to cool, check for obstructions
Excessive vibration	Loose cutting attachment Damaged or unbalanced blade Loose shaft coupling	Tighten blade/trimmer head Replace damaged blade Tighten shaft coupling
Blade/line not cutting effectively	Dull blade Worn trimmer line Cutting too much material at once	Sharpen or replace blade Replace trimmer line Take smaller passes

# 8. TECHNICAL SPECIFICATIONS

Detailed specifications for the Roadoor 52cc Gasoline Grass Trimmer and Brush Cutter:

Parameter	Value
Displacement	52cc
Engine Type	Single cylinder, air-cooled, 2-stroke
Maximum Power / Speed	2.2 kW / 8500 RPM
Starting Method	Recoil Start
Carburetor Type	Diaphragm type
Ignition Method	Non-contact
Idle Speed	2500-3000 RPM
Oil Mixture Ratio	25:1 (Unleaded Gasoline : 2-Stroke Oil)
Fuel Tank Capacity	1.2 Liters
Fuel Consumption Rate	≤ 480 g/kw.h
Fuel Consumption L/H	0.46 L/H
Noise Level	101 dB(A)
Bearing Type	Side connection
3-Blade Diameter	Approx. 27 cm (10.6 inches)
Line Trimmer Head Diameter	Approx. 28 cm (11 inches)
Overall Dimensions (L x W x H)	Approx. 180cm x 35cm x 20cm (70.87" x 13.78" x 7.87")
Material	Metal, Plastic
Color	Orange
Brand	Roadoor
Model Number	67DBD67DBD86744F68



Image illustrating the approximate dimensions of the Roadoor 52cc Gasoline Grass Trimmer.

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the purchase documentation or contact the seller directly. Keep your proof of purchase for any warranty claims.