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› TFCFL 52CC 2-Stroke Multifunctional Brush Cutter Grass Trimmer (Model 1E44F-5) Instruction Manual

**TFCFL 1E44F-5**

# **TFCFL 52CC 2-Stroke Multifunctional Brush Cutter Grass Trimmer (Model 1E44F-5) Instruction Manual**

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## **1. INTRODUCTION**

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This manual provides essential information for the safe and effective operation, assembly, and maintenance of your TFCFL 52CC 2-Stroke Multifunctional Brush Cutter Grass Trimmer, Model 1E44F-5. This versatile tool is designed for various outdoor tasks including shrub harvesting, weed removal, landscaping, and general garden maintenance. Please read this manual thoroughly before initial use and retain it for future reference.



Image 1.1: The TFCFL 52CC 2-Stroke Multifunctional Brush Cutter with its complete set of attachments.

## 2. SAFETY INFORMATION

Operating power tools requires strict adherence to safety guidelines to prevent injury. Always prioritize your safety and the safety of others.

### General Safety Precautions:

- Always wear appropriate personal protective equipment (PPE), including safety glasses or goggles, ear protection, heavy-duty gloves, long pants, and sturdy footwear.
- The product includes ear protection goggles; however, be aware of potential hearing hazards and ensure adequate ear protection is used.
- Keep children, bystanders, and pets at a safe distance (at least 15 meters/50 feet) from the operating area.
- Inspect the work area for debris, rocks, or other objects that could be thrown by the cutting attachment. Clear the area before starting.
- Do not operate the tool when fatigued, under the influence of alcohol or drugs, or if you are unwell.
- Ensure all guards and safety features are properly installed and functioning before each use.
- Handle fuel with extreme care. Fuel is highly flammable. Store in approved containers, away from

ignition sources.

- Never refuel a hot engine. Allow the engine to cool down before adding fuel.
- Operate the tool in well-ventilated areas to avoid inhaling exhaust fumes.



Image 2.1: Always wear appropriate safety gear, including eye and ear protection, when operating the tool.

### 3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking. If any parts are missing or damaged, contact your retailer immediately.

- 52CC 2-Stroke Engine Unit
- Main Shaft/Pole
- Extension Poles (Quantity may vary based on configuration)
- Brush Cutter Head (with various blades: 3T, 4T, 8T, 80T, 40T saw blade, 2T diamond blade)
- String Trimmer Head (with aluminum weeding rope)
- Hedge Trimmer Attachment
- Chain Saw Pruner Attachment
- Safety Guard

- Shoulder Strap/Harness
- Fuel Mixing Bottle
- Funnel
- Tool Kit (wrenches, screwdrivers, etc.)
- Safety Goggles
- Instruction Manual



Image 3.1: Overview of all included components and accessories.

## 4. ASSEMBLY AND SETUP

Follow these steps carefully to assemble your multifunctional tool and prepare it for operation.

### 4.1 Fuel Preparation:

1. This tool uses a 2-stroke gasoline engine. It requires a mixed fuel of gasoline and 2-stroke engine oil.
2. The recommended mixing ratio of oil to gasoline is **1:25**. Use the provided fuel mixing bottle for accurate measurement.
3. Pour the mixed fuel into the fuel tank. Do not overfill to prevent spillage.
4. After filling, press the carburetor oil bubble repeatedly until it is full and fuel returns through the return pipe. This primes the fuel system.



Image 4.1: The 52cc 2-stroke engine unit, showing the fuel tank and pull start.

#### 4.2 Attaching Components:

1. Connect the main shaft to the engine unit. Ensure a secure fit using the quick connector mechanism.
2. If required, attach extension poles between the main shaft and the desired attachment head.
3. Select the appropriate cutting attachment (brush cutter blade, string trimmer head, hedge trimmer, or chain saw pruner) for your task.
4. Attach the chosen head to the end of the shaft, ensuring it is firmly secured. Refer to the specific attachment's instructions for detailed mounting.
5. Install the safety guard appropriate for the cutting attachment being used. The guard must always be in place during operation.
6. Adjust the shoulder strap/harness for comfortable and balanced operation.

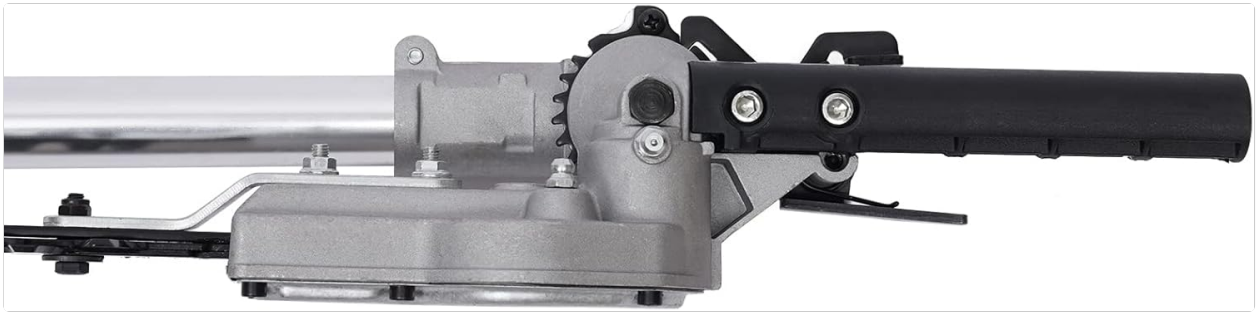


Image 4.2: The gear head where various cutting attachments are connected.

## 5. OPERATION

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Once assembled and fueled, follow these steps to start and operate your tool.

### 5.1 Starting the Engine:

1. Ensure the flame failure switch (kill switch) is in the 'ON' or open position.
2. For a cold engine start, close the choke damper (move it upward). For a hot engine start, the choke damper does not need to be closed.
3. Place the tool on a flat, stable surface. Hold the unit firmly.
4. Pull the starter cord with a swift, continuous motion until the engine starts. Do not pull the cord to its full extension or let it snap back.
5. Once the engine starts, gradually open the choke damper (move it downward) and gently accelerate to warm up the engine. In colder weather, allow a longer warm-up period with the choke partially closed before fully opening it.

### 5.2 Operating the Tool:

- Always maintain a firm grip on the handles.
- Use the shoulder strap/harness to distribute the weight and reduce fatigue.
- Operate the tool with a sweeping motion, keeping the cutting attachment away from your body and legs.
- Avoid contact with hard objects, fences, or walls to prevent damage to the cutting attachment and potential kickback.
- For brush cutting, use the appropriate blade for the type and thickness of vegetation.
- For string trimming, maintain a consistent speed and avoid overloading the trimmer line.
- For hedge trimming, use a smooth, even motion. Do not attempt to cut branches thicker than the recommended capacity.
- For chain saw pruning, ensure proper chain tension and lubrication. Exercise extreme caution when working at height.



Image 5.1: Operating the tool with a hedge trimmer attachment for garden maintenance.

### 5.3 Stopping the Engine:

To stop the engine, release the throttle trigger and move the flame failure switch to the 'OFF' position.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your tool. Always disconnect the spark plug wire before performing any maintenance.

### 6.1 After Each Use:

- Clean the exterior of the tool, removing grass, dirt, and debris.
- Inspect cutting attachments for damage or wear. Sharpen or replace blades as needed.
- Check for loose fasteners and tighten them if necessary.

### 6.2 Periodically:

- **Air Filter:** Clean or replace the air filter regularly to ensure proper engine performance. A dirty air filter can reduce power and increase fuel consumption.
- **Spark Plug:** Inspect the spark plug for wear and carbon buildup. Clean or replace it as recommended in

the engine's specific maintenance schedule.

- **Fuel Filter:** Check and clean or replace the fuel filter to prevent fuel system blockages.
- **Gear Head Lubrication:** Lubricate the gear head assembly as per manufacturer recommendations to ensure smooth operation of attachments.
- **Chain Saw Attachment:** Ensure the chain is sharp and properly tensioned. Keep the chain lubricated with appropriate chain oil.

### 6.3 Storage:

- Before long-term storage, drain the fuel tank and run the engine until it stops to clear the carburetor of fuel. This prevents fuel degradation and starting issues.
- Clean the tool thoroughly and store it in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Store out of reach of children.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, consult a qualified service technician.

Problem	Possible Cause	Solution
Engine does not start	No fuel or incorrect fuel mix Flame failure switch in 'OFF' position Choke not set correctly Dirty spark plug Clogged fuel filter	Check fuel level and mix ratio (1:25) Move switch to 'ON' Adjust choke (closed for cold start, open for warm start) Clean or replace spark plug Clean or replace fuel filter
Engine runs, but lacks power	Dirty air filter Incorrect fuel mix Worn spark plug Overheating	Clean or replace air filter Ensure correct 1:25 fuel mix Replace spark plug Allow engine to cool; check for obstructions around cooling fins
Excessive vibration	Loose components Damaged or unbalanced cutting attachment	Check and tighten all fasteners Inspect cutting attachment; replace if damaged or bent
Cutting attachment not performing effectively	Dull blade/line Incorrect attachment for task Overloading	Sharpen or replace blade/line Select appropriate attachment Reduce cutting load; take smaller passes

## 8. SPECIFICATIONS

Key technical specifications for the TFCFL 52CC 2-Stroke Multifunctional Brush Cutter.

Feature	Specification
Brand	TFCFL
Model Number	1E44F-5
Power Source	Gas Powered
Engine Type	52CC 2-Stroke
Engine Power	1.7 kW (2.3 HP)
Engine Speed	6500-8500 r/Min
Fuel Mix Ratio	Oil:Gasoline 1:25
Item Weight	35.3 Pounds (approx. 16 kg)
Cutting Width (Brush Cutter)	11.8 Inches (approx. 30 cm)
Product Dimensions	42.2"L x 11.1"W (approx. 107.2 cm L x 28.2 cm W)
Assembly Required	Yes
Recommended Uses	Shrub harvesting, weed harvesting, landscaping, orchard/vineyard cleaning, field/pond side weed removal

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please contact your original retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.