

FUXTEC FX-4MS142

FUXTEC FX-4MS142-42.5cc 4-Stroke Gasoline Brush Cutter Multi-tool Instruction Manual

Model: FX-4MS142 | Brand: FUXTEC

[Introduction](#) [Safety Information](#) [Product Overview](#) [Setup](#) [Operating](#)
[Instructions](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

The FUXTEC FX-4MS142-42.5cc is a versatile 4-stroke gasoline brush cutter and multi-tool designed for efficient garden maintenance. This powerful tool features a 42.5cc engine, ergonomic two-hand handles, and includes a 3-tooth blade and a dual-line spool for various cutting tasks. It is suitable for clearing large grass areas, tough weeds, and can be adapted for cutting shrubs and thin trees with appropriate accessories. This manual provides detailed instructions for safe assembly, operation, and maintenance to ensure optimal performance and longevity of your FUXTEC brush cutter.

2. SAFETY INFORMATION

Attention: Always wear protective equipment, including safety glasses, hearing protection, and sturdy footwear. Keep bystanders and pets away from the working area. Ensure the trimmer is correctly configured and maintained, including the air filter and carburetor. Use the emergency stop switch to turn off the trimmer when not in use. Be careful when cutting edges and other narrow areas to avoid injuries from flying debris. Read and follow all safety instructions in the user manual provided with the product.

3. PRODUCT OVERVIEW

The FUXTEC FX-4MS142-42.5cc brush cutter is engineered for performance and user comfort. Below are key features and components of the device.



Figure 3.1: Overall view of the FUXTEC FX-4MS142-42.5cc 4-stroke gasoline brush cutter.

FUXTEC



Figure 3.2: Labeled components of the brush cutter, including the 42.5cc 4-stroke engine, ergonomic double handle, robust protective shield, quick connection, and cutting attachments.

MUCHAS POSIBILIDADES

IDEAL PARA GRANDES SUPERFICIES

Con la herramienta adecuada también apto para eliminar arbustos y árboles delgados

CABEZAL DE HILO CON AUTOMATIZACIÓN DE GOLPE

Recarga del carrete de nylon sin abrir la carcasa



Figure 3.3: Technical data highlights: 8kg weight, unleaded gasoline (95 octane), 42.5cc engine, 9-tooth transmission shaft, 4-stroke engine, 320mm cutting height, 1.25kW/1.6HP power, and easy rope start.

Key features include:

- Extremely quiet and smooth-running 42.5cc 4-stroke air-cooled engine.
- Comfortable two-hand grip for natural scythe movement and ergonomic grass cutting.
- Includes a 3-tooth blade and a dual-line head with automatic unwinding.
- Easy Starter system for simplified ignition and a professional transport harness.
- Rigid 9-tooth multi-drive shaft, maintenance-free CDI ignition.
- Optional compatibility with FUXTEC accessories like hedge trimmers.

4. SETUP

The FUXTEC FX-4MS142 requires some assembly before first use. Follow these steps carefully:

1. **Unpacking:** Carefully remove all components from the packaging. Check for any damage or missing parts against the packing list.

2. **Handle Assembly:** Attach the ergonomic two-hand grip to the shaft. Ensure it is securely fastened at a comfortable position for operation.
3. **Guard Installation:** Mount the robust protective shield above the cutting attachment. This guard is crucial for user safety against debris.
4. **Cutting Attachment:** Select either the 3-tooth blade or the dual-line spool. Attach it securely to the drive shaft according to the instructions in the detailed manual. Ensure the attachment is properly seated and tightened.
5. **Harness Attachment:** Connect the professional transport harness to the brush cutter. Adjust the harness to fit comfortably, distributing the weight evenly across your shoulders and back for ergonomic use.
6. **Fuel and Oil:** This is a 4-stroke engine. Fill the fuel tank with unleaded gasoline (95 octane). Fill the oil reservoir with appropriate 4-stroke engine oil (e.g., Castrol Power 1 Racing 10W40). **Do not mix oil with gasoline in the fuel tank.** Refer to the maintenance section for initial oil change recommendations.



FUXTEC

DATOS TÉCNICOS

| | | | |
|---|---|---|---|
|  |  |  |  |
| 8kg | Gasolina sin plomo (95 octanos) | 42,5ccm | Eje de transmisión de 9 dientes |
|  |  |  |  |
| Motor de 4 tiempos | Altura de corte 320 mm | 1,25kw 1,6CV | Arranque fácil / Arrancador de cuerda |

Figure 4.1: The brush cutter fully assembled with the professional transport harness, ready for use.

5. OPERATING INSTRUCTIONS

Before starting, ensure all safety precautions are observed and protective gear is worn.

1. Starting the Engine:

- Place the brush cutter on a flat, stable surface.
- Engage the choke (if cold start).
- Press the primer bulb several times until fuel is visible.
- Pull the Easy Starter rope firmly until the engine starts.
- Once started, gradually disengage the choke. Allow the engine to warm up for a few moments before use.

2. **Fueling:** Use only unleaded gasoline with an octane rating of 95 or higher. This is a 4-stroke engine, so no oil-gasoline mixture is required in the fuel tank.

3. Cutting Techniques:

- **Line Trimmer (Dual-line spool):** Ideal for grass and light weeds. The dual-line head features automatic unwinding; simply tap the head on the ground while running to extend the line.
- **Blade (3-tooth blade):** Suitable for thicker grass, tough weeds, and light brush. Use a sweeping motion, keeping the blade parallel to the ground.

4. **Ergonomics:** Utilize the two-hand grip and the transport harness to maintain control and reduce fatigue during operation. Adjust the speed regulator for optimal cutting power without over-revving the engine.



Figure 5.1: Detail of the dual-line trimmer head, featuring automatic line unwinding for continuous cutting.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your brush cutter.

1. Engine Oil:

- **Break-in Period:** For the first use, after filling with 75ml of new oil (e.g., Castrol Power 1 Racing 10W40), run the engine at idle for at least 30 minutes. Let it cool. Then, operate for 1-2 hours without exceeding half throttle. Drain the oil (it may contain metallic shavings) and replace with new oil.
- After another 3-4 hours of use, change the oil again to remove any remaining shavings. Subsequent oil

changes can be done at longer intervals as recommended in the full user manual.

- Check oil level before each use.

2. **Air Filter:** Clean the air filter regularly, especially in dusty conditions. A clogged air filter can reduce engine performance and increase fuel consumption.

3. **Spark Plug:** Inspect and clean the spark plug periodically. Replace if worn or fouled.

4. **Cutting Attachments:**

- **Line Spool:** Replace the trimmer line as needed. The automatic unwinding feature allows for easy line extension. The spool can be refilled with nylon line without opening the casing.
- **Blade:** Inspect the 3-tooth blade for sharpness and damage. Sharpen or replace as necessary.

5. **General Cleaning:** After each use, clean the brush cutter to remove grass, dirt, and debris. Ensure cooling fins are clear.

6. **Storage:** When storing for extended periods, drain the fuel tank or use a fuel stabilizer. Clean the machine thoroughly and store in a dry, safe place.



Figure 6.1: Close-up of the 4-stroke engine, highlighting areas for oil checks and air filter access.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your FUXTEC FX-4MS142-42.5cc brush cutter.

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|--------------------------------|---|--|
| Engine does not start | No fuel, old fuel, clogged fuel filter, faulty spark plug, choke not set correctly. | Check fuel level, replace old fuel, clean/replace fuel filter, clean/replace spark plug, adjust choke. |
| Loss of power during operation | Clogged air filter, incorrect carburetor adjustment, dull cutting attachment. | Clean air filter, consult service for carburetor adjustment, sharpen/replace blade or line. |
| Excessive vibration | Damaged or unbalanced cutting attachment, loose components. | Inspect and replace damaged blade/spool, tighten all fasteners. |
| Trimmer line not extending | Line tangled, spool empty, mechanism jammed. | Check line for tangles, refill spool, clear any debris from the spool mechanism. |

8. SPECIFICATIONS

| Feature | Detail |
|----------------------------|---|
| Brand | FUXTEC |
| Model Number | FX-4MS142 |
| Engine Type | 4-stroke, Air-cooled |
| Engine Displacement | 42.5 cc |
| Power Source | Gasoline (Unleaded 95 Octane) |
| Max Speed | 9000 RPM |
| Cutting Width | 32 cm |
| Product Weight | 11.2 Kilograms |
| Product Dimensions (L x W) | 107 cm x 32 cm |
| Assembly Required | Yes |
| Cordless | No |
| Country of Origin | China |
| Recommended Uses | Lawn cutting, edge trimming, light brush clearing |

9. WARRANTY & SUPPORT

For information regarding warranty coverage, please refer to the warranty card included with your product or contact the retailer where the product was purchased. FUXTEC products are designed for durability and performance, but in case of any issues, please reach out to the official FUXTEC customer support or an authorized service center for assistance. Always provide your model number (FX-4MS142) and purchase details when seeking support.

