

## FUXTEC FX-MS152

# FUXTEC FX-MS152 52cc Gasoline Brush Cutter Instruction Manual

Model: FX-MS152

## 1. INTRODUCTION AND OVERVIEW

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The FUXTEC FX-MS152 is a versatile 52cc gasoline-powered brush cutter designed for efficient lawn and garden maintenance. This 2-in-1 multi-tool features a powerful 2-stroke engine, offering both a 3-tooth blade for dense vegetation and a dual-line head for lighter trimming tasks. Its robust design and ergonomic features aim to provide effective performance for various outdoor tasks.



A full view of the FUXTEC FX-MS152 52cc gasoline brush cutter, showcasing its engine, shaft, and cutting head.

## 2. SAFETY INSTRUCTIONS

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Always prioritize safety when operating the FUXTEC FX-MS152 brush cutter. Failure to follow these instructions may result in serious injury or damage to the equipment.

- **Protective Gear:** Always wear appropriate protective clothing, including safety glasses, hearing protection, gloves, long pants, and sturdy footwear.
- **Fuel Tank Protection:** Ensure the fuel tank is protected with the circular safety bar during operation.
- **Fuel Handling:** Handle gasoline with extreme care. Refuel in a well-ventilated area with the engine off and cool. Avoid spilling fuel.
- **Original Oils:** Use only original FUXTEC oils for safe and long-lasting engine operation.
- **Awareness of Hazards:** Be aware of potential dangers such as flying debris, sharp blades, and hot engine parts. Keep bystanders and pets at a safe distance (at least 15 meters).
- **Pre-Operation Check:** Before each use, inspect the brush cutter for any loose parts, damage, or wear.

Ensure all guards and attachments are securely in place.

- **Read Manual:** Read the entire user manual carefully before operating the brush cutter for the first time.

### 3. PRODUCT COMPONENTS

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The FUXTEC FX-MS152 brush cutter consists of several key components designed for efficient and comfortable operation:

- **Engine:** A powerful 52cc 2-stroke air-cooled engine.
- **Drive Shaft:** A robust 9-tooth drive shaft for power transmission.
- **Handlebar:** Ergonomic double handlebar for comfortable and controlled operation.
- **Cutting Attachments:** Includes a 3-tooth metal blade for heavy-duty cutting and a dual-line head with automatic unwinding for grass trimming.
- **Protective Shield:** A sturdy shield to protect the operator from debris.
- **Shoulder Harness:** A professional transport strap with comfort padding to distribute weight and reduce fatigue during prolonged use.
- **Easy Starter:** Integrated easy-start system for quick and reliable engine ignition.
- **Fuel Tank:** For gasoline and oil mixture.
- **CDI Ignition:** Maintenance-free electronic ignition system.

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An image highlighting key components of the FUXTEC FX-MS152 brush cutter, including the ergonomic double handle, 52cc 2-stroke engine, robust protective shield, 9-tooth drive shaft, and easy pull-start mechanism.

## 4. ASSEMBLY

The FUXTEC FX-MS152 brush cutter requires assembly before its first use. Follow these general steps, referring to the detailed diagrams in your printed manual for precise instructions.

1. **Unpack Components:** Carefully remove all parts from the packaging and verify against the packing list.
2. **Attach Drive Shaft:** Connect the upper and lower sections of the drive shaft, ensuring they lock securely.
3. **Install Handlebar:** Mount the ergonomic double handlebar onto the drive shaft at a comfortable operating position, tightening all fasteners.
4. **Mount Protective Guard:** Securely attach the protective shield above the cutting head to prevent debris from flying towards the operator.
5. **Install Cutting Attachment:** Choose either the 3-tooth blade or the dual-line head and attach it according to the instructions, ensuring it is firmly secured.
6. **Attach Shoulder Harness:** Connect the professional shoulder harness to the designated attachment point on

the brush cutter. Adjust for a comfortable and balanced fit.



A series of images illustrating the assembly process for the FUXTEC FX-MS152 brush cutter, showing how various parts like the shaft, handles, and cutting head are connected.

## 5. OPERATION

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Proper operation ensures efficiency and safety. Always wear protective gear as outlined in Section 2.

### 5.1 Fueling the Brush Cutter

The FX-MS152 uses a 2-stroke engine and requires a specific fuel mixture.

- **Fuel Mix:** Prepare a mixture of unleaded gasoline and 2-stroke engine oil at a ratio of **1:40** (e.g., 25ml oil per 1 liter of gasoline). Use high-quality 2-stroke oil.
- **Refueling:** Ensure the engine is off and cool. Open the fuel tank cap slowly to release any pressure. Pour the prepared fuel mixture into the tank using a funnel to prevent spills. Securely close the fuel cap.

### 5.2 Starting the Engine

1. Place the brush cutter on a flat, stable surface.
2. Set the ignition switch to the 'ON' position.
3. Engage the choke (usually by pushing a lever or button).
4. Press the primer bulb several times until fuel is visible in the return line.
5. Pull the starter cord firmly and steadily until the engine fires (it may run briefly and then stop).
6. Once the engine fires, disengage the choke (move it to the 'OFF' or 'RUN' position).
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.

### 5.3 Operating Techniques

Adjust the shoulder harness for optimal balance and comfort. Hold the brush cutter with both hands on the ergonomic handlebar. Maintain a firm grip and keep the cutting head away from your body.

- **Using the Line Head:** For grass and light weeds, swing the cutting head in a sweeping motion from side to side. The automatic unwinding feature allows for easy line extension by tapping the head on the ground while running.

- **Using the Blade:** For thicker brush and small saplings, use the 3-tooth blade. Approach the material slowly and cut in a controlled manner. Avoid hitting hard objects like rocks or metal.
- **Speed Control:** Utilize the stepless speed regulator for personalized adjustment of cutting speed based on the task.



# TRABAJO EN EL JARDÍN CON PLUS

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REGULADOR DE VELOCIDAD SIN ESCALONES PARA UN AJUSTE PERSONALIZADO

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CORREA DE TRANSPORTE PROFESIONAL CON ACOGÍN DE CONFORT PARA UN TRABAJO CUIDADO DE LA ESPALDA

+

AGARRE DOBLE CÓMODO PARA UN MOVIMIENTO NATURAL DE LA HOZ



An image showcasing the comfort features of the FUXTEC FX-MS152 brush cutter, including the professional transport strap with comfort padding for back care, stepless speed regulator for personalized adjustment, and comfortable double grip for natural scythe movement.

Your browser does not support the video tag.

A short video demonstrating key features and components of the FUXTEC FX-MS152 brush cutter, including its 2-in-1 functionality, professional handle, and padded harness.

## 6. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your FUXTEC FX-MS152 brush cutter.

- **Cleaning:** After each use, clean the cutting head, protective shield, and engine housing to remove grass, dirt,

and debris. Ensure cooling fins are clear.

- **Air Filter:** Regularly inspect and clean the air filter. A clogged air filter can reduce engine performance and increase fuel consumption. Replace if damaged.
- **Spark Plug:** Check the spark plug periodically. Clean or replace it if it is fouled or worn.
- **Cutting Attachments:** Inspect the blade for sharpness and damage. Sharpen or replace as needed. Check the line head for wear and replace the trimmer line when necessary.
- **Drive Shaft:** Periodically check the drive shaft for any signs of wear or damage. Lubricate as recommended in the full manual.
- **Fuel System:** To protect fuel lines and prevent issues, it is recommended to empty the fuel tank after each use, especially if storing the unit for an extended period. Do not use old fuel (more than a few weeks old) as it can degrade and cause engine problems.
- **General Inspection:** Regularly check all nuts, bolts, and screws for tightness. Tighten any loose fasteners.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your brush cutter. For more complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Engine does not start	No fuel or incorrect fuel mix; Choke not engaged/disengaged correctly; Fouled spark plug; Clogged air filter.	Check fuel level and mix; Adjust choke position; Clean/replace spark plug; Clean/replace air filter.
Engine starts but stalls	Incorrect fuel mix; Clogged fuel filter; Carburetor issues; Overheating.	Verify fuel mix; Clean/replace fuel filter; Consult service for carburetor; Check for proper ventilation.
Loss of power during operation	Clogged air filter; Fouled spark plug; Incorrect fuel mix; Overheating.	Clean/replace air filter; Clean/replace spark plug; Verify fuel mix; Allow engine to cool.
Excessive vibration	Damaged or unbalanced cutting blade/head; Loose components.	Inspect and replace damaged cutting attachments; Tighten all fasteners.

## 8. TECHNICAL SPECIFICATIONS

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Below are the key technical specifications for the FUXTEC FX-MS152 brush cutter:

- **Brand:** FUXTEC
- **Model Number:** FX-MS152
- **Engine Type:** 2-stroke, air-cooled
- **Displacement:** 52 cc
- **Power:** 2.2 kW (3 HP)
- **Max Speed:** 9000 RPM
- **Cutting Width:** 32 cm

- **Product Weight:** 11.1 kg
- **Product Dimensions (L x W):** 107 cm x 31 cm
- **Fuel Type:** Gasoline (mixed with 2-stroke oil)
- **Fuel Mix Ratio:** 1:40 (Gasoline:2-stroke oil)
- **Drive Shaft:** 9-tooth
- **Ignition System:** CDI (maintenance-free)



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**DATOS TÉCNICOS**

			
7,2kg	Mezcla de gasolina 1:40	52ccm	Eje de transmisión de 9 dientes
			
Motor de 2 tiempos	Ancho de corte 320 mm	2,2 kW / 3 CV	Arranque fácil / Arrancador de cuerda

An infographic detailing the technical specifications of the FUXTEC FX-MS152 brush cutter, including its 7.2 kg weight, 1:40 gasoline mix ratio, 52cc engine, 9-tooth drive shaft, 2-stroke engine type, 320mm cutting width, 2.2 kW / 3 HP power, and easy start feature.

## 9. WARRANTY AND SUPPORT

FUXTEC products are manufactured to high standards and come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official FUXTEC website.

Should you encounter any issues not covered in the troubleshooting section, require replacement parts, or need

professional assistance, please contact FUXTEC customer support. Contact information can typically be found on the product packaging, the official FUXTEC website, or through your point of purchase.

For further information and to explore other FUXTEC products, please visit the [FUXTEC Brand Store](#).