FARMMAC F070W

FARMMAC F070W Gas Chainsaw Instruction Manual

Model: F070W | Brand: FARMMAC

1. Introduction and Safety Information

Thank you for choosing the FARMMAC F070W Gas Chainsaw. This powerful 105cc, 2-cycle gasoline chainsaw is designed for demanding tasks such as tree felling, chopping firewood, and heavy-duty forestry work. It features a 36-inch alloy solid bar and is compatible with Stihl MS070, MS090, MS1050 Magnum, and Neotec NS8105 parts. For your safety and to ensure optimal performance, please read this manual thoroughly before operation.

Key Features:

- **105cc Professional Chainsaw:** Efficient 105cc full crank & excellent 2-cycle stroke air-cooled engine with 4.8KW (6.5HP) power.
- **36 Inch Alloy Bar and Chain:** Guide bar Tail Mount dimension 14.2mm (E099), 104 Drive Link, 0.404" chain pitch, and 0.063" chain gauge for low kickback.
- **High-Quality Components:** Equipped with high-quality spark plugs for surging power and fast ignition, and a 2200GS high-speed magnetic induction flywheel.
- **Full Magnesium Alloy Body:** Durable construction including cylinder cover, air filter cover, and starter assembly.

General Safety Warnings:

Always wear appropriate personal protective equipment (PPE) including a helmet, eye protection, hearing protection, gloves, and safety boots. Ensure a clear work area and be aware of your surroundings. Do not operate the chainsaw under the influence of alcohol or drugs.



Figure 1: FARMMAC F070W Gas Chainsaw showing overall dimensions (20.5"L x 11.4"W x 12.6"H) and weight (29.7 lbs).

2. Setup and Assembly

2.1 Unpacking and Components:

Carefully unpack all components. Each order is shipped in two separate packages. Verify that all parts listed in the instruction manual are present.



Figure 2: The FARMMAC F070W Chainsaw package includes the chainsaw unit, a guide bar cover, a fuel mixing bottle, an instruction manual, and a comprehensive tool kit for assembly and maintenance.

2.2 Identifying Chainsaw Parts:

Familiarize yourself with the various parts of the chainsaw before assembly and operation.



Figure 3: Labeled diagram showing key components such as the front handle, starter handle, air filter cover, choke knob, fuel tank cap, fuel tank, muffler, trigger lockout, throttle trigger, back handle holster, spark plug boot, and carburetor.

2.3 Fuel Mixing:

The FARMMAC F070W uses a 2-stroke engine and requires a specific fuel-to-oil mixing ratio. Using the correct ratio ensures cleaner, longer, and stronger engine performance.

- **FB Grade Oil:** For a 25:1 ratio, add approximately 5.1 ounces of 2-stroke engine oil per gallon of gasoline.
- **FD Grade Oil:** For a 40:1 ratio, add approximately 3.2 ounces of 2-stroke engine oil per gallon of gasoline.

WARNING: Always select the correct FB or FD grade 2-cycle engine oil. Bar and chain oil is NOT for engine use.



Figure 4: Visual guide for mixing fuel and 2-stroke oil, showing ratios for FB and FD grade oils.

3. Operating Instructions

3.1 Starting the Chainsaw:

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake.
3. Pull the choke knob out.
4. Press the primer bulb several times until fuel is visible.
5. Pull the starter handle firmly until the engine attempts to start (usually 1-3 pulls).
6. Push the choke knob in halfway.
7. Pull the starter handle again until the engine starts.
8. Allow the engine to warm up for a few moments before engaging the throttle.

3.2 Cutting Techniques:

Always maintain a firm grip on both handles. Keep your body balanced and avoid overreaching. Plan your cuts to prevent kickback and ensure the log is stable.

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Video 1: A detailed presentation of the FARMMAC F070 chainsaw, showcasing its features and operation in various cutting scenarios. This video provides a comprehensive overview of the product.

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Video 2: A presentation comparing the F660 and F070 models, highlighting their respective features and demonstrating their performance in cutting tasks. This video offers insights into the capabilities of the F070.

4. Maintenance

Regular maintenance is crucial for the longevity and safe operation of your chainsaw.

4.1 Air Filter:

The FARMMAC F070W features a "Pro Flow" air filter system. Regularly inspect and clean the air filter to ensure optimal engine performance and prevent debris from entering the engine. A clogged air filter can reduce power and increase fuel consumption.

4.2 Spark Plug:

The FARMMAC F070W is equipped with high-quality spark plugs. Check the spark plug periodically for wear, carbon buildup, or damage. Replace if necessary to maintain easy starting and efficient combustion.

4.3 Chain and Bar:

Keep the chain sharp and properly tensioned. Ensure the guide bar is clean and the oil holes are clear. Lubricate the chain regularly with appropriate bar and chain oil.

5. Troubleshooting

If you encounter issues with your chainsaw, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Engine won't start	Incorrect fuel mix, clogged fuel filter, faulty spark plug, incorrect starting procedure.	Check fuel mix, clean/replace fuel filter, inspect/replace spark plug, follow starting instructions carefully.
Loss of power during operation	Clogged air filter, dull chain, improper chain tension, carburetor issues.	Clean air filter, sharpen chain, adjust chain tension, consult a service technician for carburetor.
Excessive smoke	Incorrect fuel-to-oil ratio (too much oil), old fuel.	Ensure correct fuel mix, use fresh fuel.

For issues not covered here, please consult a qualified service technician or contact FARMMAC customer support.

6. Specifications

- **Brand:** FARMMAC
- **Model:** F070W
- **Power Source:** Gas Powered
- **Engine Displacement:** 105cc
- **Horsepower:** 6.5 HP (4.8 KW)
- **Item Weight:** 29.7 Pounds
- **Product Dimensions (L x W x H):** 20.5" x 11.4" x 12.6"
- **Chain Length:** 36 Inches
- **Chain Pitch:** 0.404"
- **Chain Gauge:** 0.063"
- **Guide Bar Tail Mount:** 14.2mm (E099)
- **Drive Links:** 104
- **Max Engine/Motor RPM:** 13,300
- **Body Material:** Full Magnesium Alloy

7. Warranty and Support

For warranty information, product support, or to purchase replacement parts, please refer to the contact details provided in your product packaging or visit the official FARMMAC website. Keep your purchase receipt as proof of purchase for any warranty claims.
You can also visit the FARMMAC Store on Amazon for more products and support.

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