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> Farmertec Holzfforma Blue Thunder G070 Gasoline Chainsaw Power Head User Manual

## Farmertec G070

# Farmertec Holzfforma Blue Thunder G070 Gasoline Chainsaw Power Head User Manual

Model: G070

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Farmertec Holzfforma Blue Thunder G070 Gasoline Chainsaw Power Head. Please read this manual thoroughly before operating the chainsaw to ensure proper use and to prevent injury or damage.



Image 1.1: The Holzforma Blue Thunder G070 Gasoline Chainsaw Power Head with guide bar and chain attached.



## 2. SAFETY INFORMATION

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Operating a chainsaw can be dangerous if proper safety precautions are not followed. Always prioritize safety to prevent serious injury or death.

### 2.1 Personal Protective Equipment (PPE)

- **Head Protection:** Wear a safety helmet.
- **Eye Protection:** Always wear safety glasses or a face shield.
- **Hearing Protection:** Use earplugs or earmuffs.
- **Hand Protection:** Wear heavy-duty work gloves.
- **Leg Protection:** Wear chainsaw protective chaps or trousers.
- **Foot Protection:** Wear steel-toed safety boots with good grip.

### 2.2 General Safety Rules

- Never operate the chainsaw when fatigued, under the influence of alcohol, drugs, or medication.
- Ensure the work area is clear of bystanders, children, and pets.
- Inspect the chainsaw before each use for loose parts, damage, or fuel leaks.
- Maintain a firm grip with both hands on the chainsaw handles.
- Be aware of kickback and how to avoid it.
- Do not operate the chainsaw in poor weather conditions.
- Always shut off the engine before refueling, cleaning, or performing maintenance.
- Transport the chainsaw with the engine off, the guide bar covered, and the chain brake engaged.

## 3. PACKAGE CONTENTS

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Your Holzfforma Blue Thunder G070 package includes the following components:

- 1x G070 Power Head
- 1x 36-inch Guide Bar (.404" pitch, .063" gauge, 104 Drive Links)
- 1x 36-inch Saw Chain (.404" pitch, .063" gauge, 104 Drive Links)

*Note: The guide bar and saw chain are compatible with Stihl 070, 090, 088, 084, 076, 075, 051, 050, and MS880 chainsaws.*

## 4. SETUP AND ASSEMBLY

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### 4.1 Attaching the Guide Bar and Chain

1. Ensure the engine is off and the chain brake is disengaged.
2. Remove the two bar nuts and the clutch cover from the power head.
3. Place the guide bar onto the studs, ensuring the tensioning pin aligns with the hole in the guide bar.
4. Carefully fit the saw chain around the clutch sprocket and into the guide groove of the bar. Ensure the cutting edges of the chain are facing forward on the top side of the guide bar.
5. Replace the clutch cover and loosely tighten the bar nuts.
6. Adjust the chain tension using the tensioning screw. The chain should be snug against the guide bar but still able to be pulled freely by hand.

7. Once tension is correct, fully tighten the bar nuts.

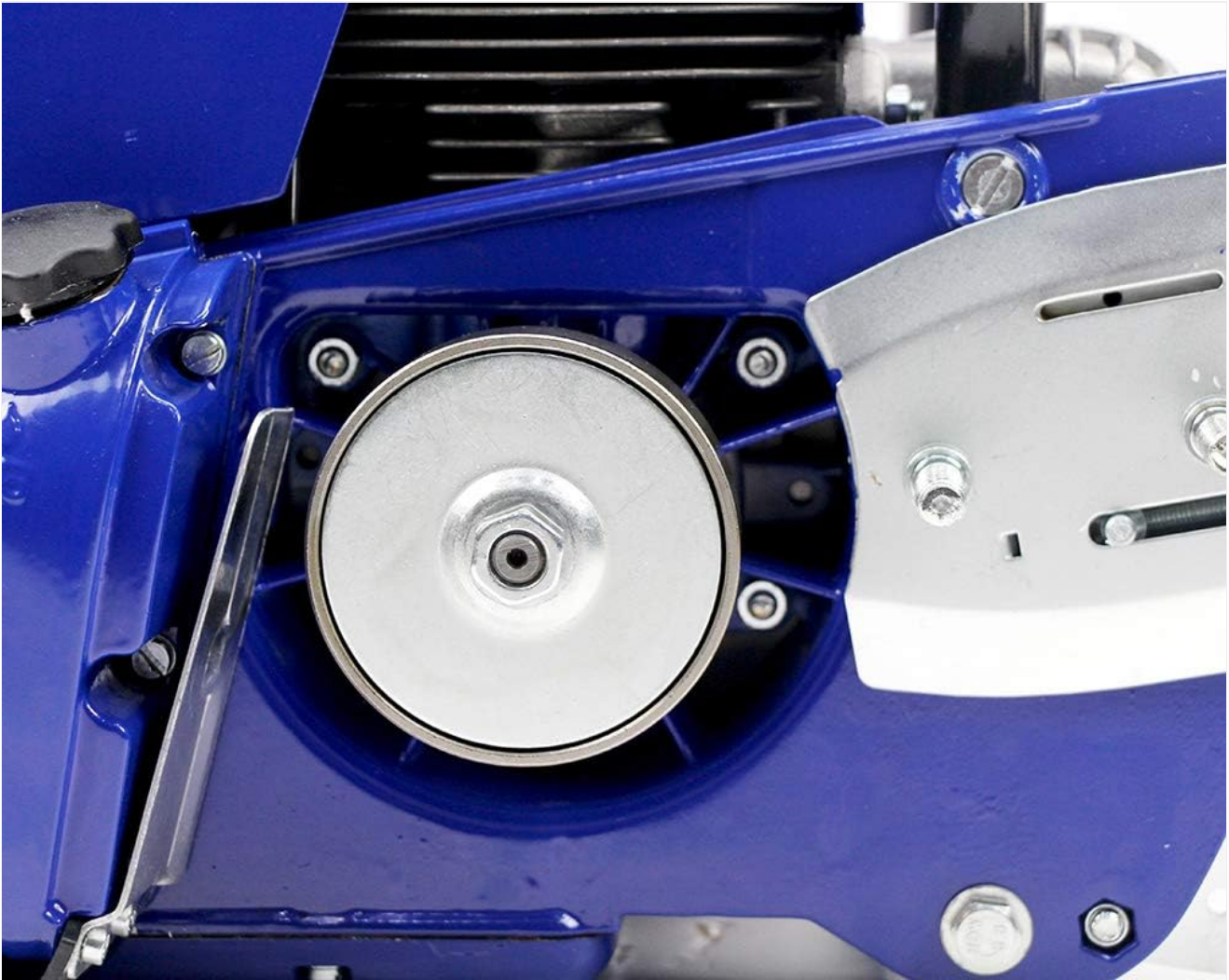


Image 4.1: View of the clutch and sprocket area where the guide bar and chain are mounted.

## 4.2 Fuel and Chain Oil

This chainsaw operates on a gasoline-oil mixture and requires separate chain lubricant.

- **Fuel Mixture:** Use a high-quality two-stroke engine oil mixed with unleaded gasoline at the ratio specified by the manufacturer (typically 25:1 or 50:1, refer to engine manual for exact ratio). Always mix fuel in a separate, approved container.
- **Chain Oil:** Fill the chain oil reservoir with a good quality bar and chain oil. This lubricates the chain and guide bar during operation.

*Caution: Never use straight gasoline or automotive oil in the fuel tank. Always use fresh fuel mixture.*



Image 4.2: Top view of the power head, indicating the locations of the fuel and oil caps.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Starting the Chainsaw

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake.
3. Set the choke to the "full choke" position.
4. Press the primer bulb several times until fuel is visible.
5. Pull the starter cord firmly until the engine "pops" or attempts to start.
6. Move the choke to the "half choke" or "run" position.
7. Pull the starter cord again until the engine starts.
8. Once started, disengage the chain brake and allow the engine to warm up for a few moments before use.

### 5.2 Basic Cutting Techniques

- Always maintain a balanced stance and firm grip on both handles.
- Avoid cutting with the tip of the guide bar to prevent kickback.
- When cutting, let the chain do the work; do not force the saw.
- Be aware of the direction of falling timber and clear escape routes.
- For felling trees, follow proper notching and felling cut procedures.
- For limbing, work from the bottom up, supporting the branch if necessary.
- For bucking (cutting logs into sections), be mindful of pinching and rolling logs.

*Important: If you are new to chainsaw operation, seek professional training before attempting any cutting tasks.*

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your chainsaw.

### 6.1 Daily Checks

- Check chain tension and sharpness.
- Inspect the guide bar for wear or damage.
- Verify chain oil flow.
- Check for fuel or oil leaks.
- Clean the air filter.

### 6.2 Chain Sharpening

A sharp chain is crucial for efficient and safe cutting. Sharpen the chain regularly using a round file of the correct diameter for your chain type, or have it professionally sharpened.

### 6.3 Air Filter Cleaning

A dirty air filter can reduce engine performance. Remove and clean the air filter after every few hours of operation, or more frequently in dusty conditions. Use warm soapy water, rinse thoroughly, and allow to dry completely before reinstallation.

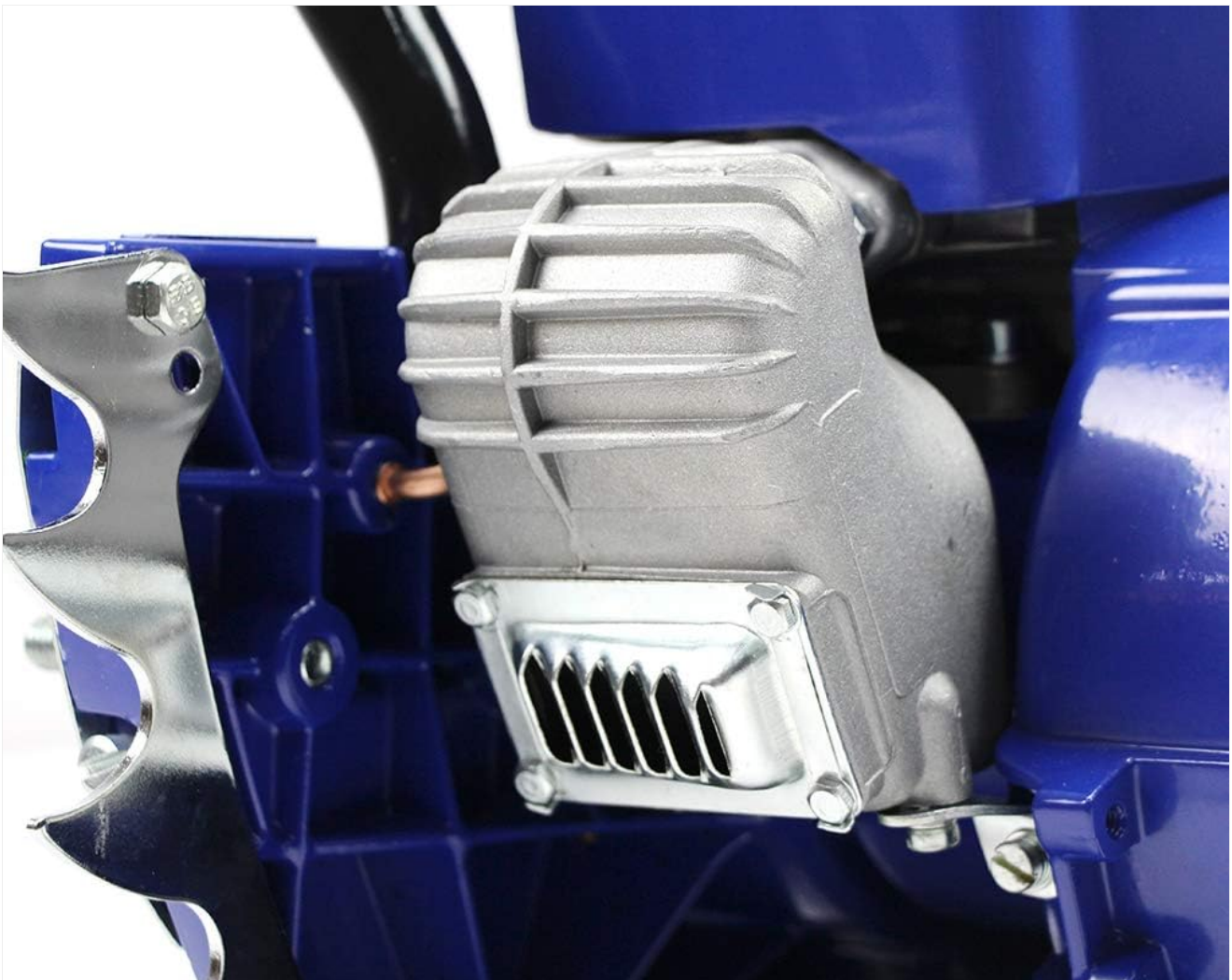


Image 6.1: Detailed view of the engine's cooling fins and exhaust area, important for maintenance checks.

## 7. TROUBLESHOOTING

| Problem              | Possible Cause  | Solution  |
|----------------------|---|---|
| Engine won't start   | No fuel, incorrect choke setting, fouled spark plug, clogged fuel filter. | Check fuel level and mixture, adjust choke, clean/replace spark plug, replace fuel filter.              |
| Chainsaw lacks power | Dull chain, dirty air filter, incorrect fuel mixture, carburetor issues.  | Sharpen chain, clean air filter, use correct fuel mixture, consult service professional for carburetor. |
| Chain not moving     | Chain brake engaged, incorrect chain tension, clutch issue.               | Disengage chain brake, adjust chain tension, consult service professional for clutch.                   |
| Excessive vibration  | Loose components, damaged chain or guide bar.                             | Inspect and tighten all fasteners, replace damaged chain or guide bar.                                  |

For issues not covered here or if problems persist, contact a qualified service technician.

## 8. TECHNICAL SPECIFICATIONS

| Feature                         | Specification                                     |
|---------------------------------|---|
| Model                           | Holzforma Blue Thunder G070                       |
| Cylinder Displacement           | 105 cm <sup>3</sup>                               |
| Power Output (ISO 7293)         | 4.8 KW (approximately 6.4 HP)                     |
| Idle Speed                      | 2,800 RPM   |
| Maximum Power Speed             | 9,000 RPM   |
| Cylinder Bore                   | 58 MM   |
| Total Mass (with bar and chain) | 13.5 kgs (approximately 30 lbs)                   |
| Guide Bar Length                | 36 inches (compatible with 28", 36", or 48" bars) |
| Chain Type                      | .404" pitch, .063" gauge, 104 Drive Links         |
| Chain Sprocket                  | Standard 7 tooth .404" pitch                      |
| Power Source                    | Gasoline-powered                                  |
| Product Dimensions              | 20"L x 13"W x 14"H (Power Head only)              |

## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact Farmertec customer support directly. Keep your purchase receipt as proof of purchase for any warranty claims.

For technical assistance or spare parts, please visit the official Farmertec website or contact your authorized dealer.

