

## Farmertec G660

# Farmertec Holzfforma Blue Thunder G660 Gasoline Chainsaw User Manual

Model: G660

## INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your Farmertec Holzfforma Blue Thunder G660 Gasoline Chainsaw. Please read this manual thoroughly before operating the chainsaw to ensure proper use and to prevent injury or damage.

## SAFETY INSTRUCTIONS

Operating a chainsaw can be dangerous if proper safety precautions are not followed. Always prioritize your safety and the safety of others.

- **Personal Protective Equipment (PPE):** Always wear a safety helmet, eye protection (goggles or face shield), hearing protection, heavy-duty gloves, chainsaw protective trousers or chaps, and safety boots with good grip.
- **Work Area:** Ensure the work area is clear of bystanders, pets, and obstacles. Maintain a safe distance from other people and objects.
- **Inspect Chainsaw:** Before each use, inspect the chainsaw for loose parts, damage, or wear. Ensure the chain brake is functional and the chain is properly tensioned.
- **Fuel Handling:** Mix and handle fuel in a well-ventilated area, away from ignition sources. Do not smoke while refueling.
- **Starting:** Start the chainsaw on firm ground, ensuring the chain is clear of any objects. Engage the chain brake before starting.
- **Grip:** Always hold the chainsaw firmly with both hands, with your thumbs and fingers encircling the handles.
- **Kickback:** Be aware of kickback. Avoid cutting with the tip of the guide bar. Maintain a firm grip and proper stance.
- **Weather Conditions:** Do not operate the chainsaw in adverse weather conditions such as strong winds, rain, or snow.
- **Fatigue:** Do not operate the chainsaw when tired or under the influence of alcohol or medication.
- **Storage:** Store the chainsaw with an empty fuel tank and chain oil reservoir, in a secure location away from children and unauthorized users.

## COMPONENTS OVERVIEW

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Familiarize yourself with the main components of your Farmertec Holzfforma G660 Chainsaw.



Figure 1: Various views of the Farmertec Holzfforma G660 Chainsaw, highlighting its robust construction and wrap-around handle.



Figure 2: Detailed views of key chainsaw features such as the felling spikes for better grip during cutting, the chain brake mechanism, and the air filter housing.

- **Engine Housing:** Contains the 92CC gasoline engine.
- **Wrap-Around Handle Bar:** Provides multiple grip positions for various cutting angles and improved control.
- **Guide Bar:** The metal bar that supports and guides the saw chain. This model includes a 25-inch guide bar.
- **Saw Chain:** The cutting component that rotates around the guide bar. This model includes a 3/8" .063" 84DL saw chain.
- **Chain Brake:** A safety device designed to stop the chain's rotation instantly in case of kickback or emergency.
- **Front Handle:** For the left hand, typically used for guiding the saw.
- **Rear Handle:** For the right hand, containing the throttle trigger and throttle trigger lockout.
- **Fuel Tank Cap:** For filling the fuel mixture.
- **Oil Tank Cap:** For filling the chain lubricant oil.
- **Starter Rope Handle:** For manually starting the engine.
- **Choke Lever:** Used for cold starting the engine.
- **Decompression Valve:** Reduces compression for easier starting.
- **Felling Spikes (Bumper Spikes):** Metal teeth on the engine housing that provide leverage when cutting.

## SETUP

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### 1. Guide Bar and Saw Chain Installation

1. Ensure the engine is off and the chain brake is disengaged.
2. Remove the two nuts securing the clutch cover (side plate) and remove the cover.
3. Place the guide bar onto the studs, ensuring the bar's groove aligns with the drive sprocket.
4. Carefully fit the saw chain around the drive sprocket and into the guide bar groove. Ensure the cutting edges of the chain are facing forward on the top of the guide bar.
5. Replace the clutch cover, ensuring the chain tensioner pin engages with the hole in the guide bar. Hand-tighten the nuts.
6. **Adjust Chain Tension:** Using the chain tensioning screw, adjust the chain until it fits snugly against the guide bar, but can still be pulled around by hand without binding. The chain should not sag on the underside of the bar.
7. Tighten the clutch cover nuts securely.

### 2. Fuel and Chain Oil Filling

- **Fuel Mixture:** This chainsaw requires a mixture of unleaded gasoline and 2-stroke engine oil. Refer to the specifications for the correct mixing ratio (typically 25:1 or 40:1, depending on the oil type). Mix in a separate, approved fuel container.
- **Filling Fuel Tank:** Unscrew the fuel tank cap. Carefully pour the mixed fuel into the fuel tank, avoiding spills. Securely replace the cap.
- **Chain Oil:** Use high-quality bar and chain oil for lubrication.
- **Filling Oil Tank:** Unscrew the oil tank cap. Fill the oil tank with bar and chain oil. Securely replace the cap.

- Always check fuel and oil levels before each use.

## OPERATING INSTRUCTIONS

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### 1. Starting the Chainsaw (Cold Start)

1. Place the chainsaw on a firm, level surface. Ensure the guide bar and chain are clear of any objects.
2. Engage the chain brake by pushing the front hand guard forward.
3. Press the decompression valve (if equipped).
4. Pull out the choke lever fully.
5. Press the primer bulb several times until fuel is visible.
6. Hold the chainsaw firmly with one hand on the front handle and place your foot through the rear handle.
7. Pull the starter rope handle slowly until resistance is felt, then pull sharply and quickly until the engine fires (usually a few pulls).
8. As soon as the engine fires, push the choke lever halfway in (half-choke position).
9. Pull the starter rope again until the engine starts and runs.
10. Once the engine is running, push the choke lever fully in. Allow the engine to warm up for a few moments.
11. Disengage the chain brake by pulling the front hand guard back towards the front handle. The chain will now rotate.

### 2. Starting the Chainsaw (Warm Start)

- Engage the chain brake.
- Do not use the choke.
- Pull the starter rope until the engine starts.
- Disengage the chain brake.

### 3. Cutting Techniques

- Always maintain a balanced stance and firm grip with both hands.
- Keep the chainsaw at full throttle when cutting to ensure efficient operation and reduce kickback risk.
- Use the felling spikes (bumper spikes) as a pivot point for controlled cuts.
- Be aware of the wood's tension and compression to avoid pinching the guide bar or causing kickback.
- Never cut above shoulder height.

### 4. Stopping the Chainsaw

- Release the throttle trigger.
- Engage the chain brake.
- Press the stop switch to turn off the engine.

## MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your chainsaw.

- **Chain Sharpening:** A sharp chain is crucial for safe and efficient cutting. Sharpen the chain regularly using a round file of the correct diameter (refer to chain specifications) and a filing guide. Alternatively, have it professionally sharpened.
- **Chain Tension:** Check chain tension frequently, especially during initial use and after refueling. Adjust as needed.
- **Guide Bar Maintenance:**

- Clean the guide bar groove to remove sawdust and debris.
  - Remove burrs from the guide bar rails using a flat file.
  - Flip the guide bar periodically to ensure even wear.
  - Check the sprocket nose (if applicable) for free rotation and lubricate if necessary.
- **Air Filter Cleaning:** Remove the air filter cover and clean the air filter element. Depending on the type, it can be washed with warm soapy water, blown clean with compressed air, or replaced if heavily soiled or damaged. A clogged air filter reduces engine performance.
  - **Spark Plug Inspection:** Remove and inspect the spark plug. Clean any carbon deposits and check the electrode gap. Replace if worn or damaged.
  - **Cooling Fins:** Keep the engine's cooling fins clean to prevent overheating.
  - **General Cleaning:** After each use, clean the chainsaw thoroughly, removing sawdust, resin, and oil residue from all surfaces.

## TROUBLESHOOTING

Refer to this table for common issues and their potential solutions.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect starting procedure, fouled spark plug, clogged fuel filter.	Check fuel level and mixture. Follow cold/warm start procedure. Clean/replace spark plug. Check/replace fuel filter.
Engine starts but stalls	Incorrect choke setting, clogged air filter, improper fuel mixture, carburetor issues.	Adjust choke. Clean air filter. Verify fuel mixture. Consult service if carburetor is suspected.
Chainsaw cuts poorly or slowly	Dull chain, incorrect chain tension, worn guide bar, insufficient chain oil.	Sharpen chain. Adjust chain tension. Inspect/replace guide bar. Check oil level and oil pump function.
Excessive vibration	Loose components, damaged chain or guide bar, engine imbalance.	Check all nuts and bolts for tightness. Inspect chain and guide bar for damage. Consult service for engine issues.
Chain oil leakage	Loose oil cap, damaged oil seal, clogged oil outlet.	Ensure oil cap is tight. Inspect seals. Clean oil outlet.

## SPECIFICATIONS

Key technical specifications for the Farmertec Holzfforma Blue Thunder G660 Chainsaw.

Feature	Detail
Model	G660
Engine Displacement	92 CC
Power Source	Gasoline-Powered
Horsepower	7 HP
Guide Bar Length	25 Inches (included)
Saw Chain Type	3/8" .063" 84DL (included)
Item Weight	Approximately 25.4 Pounds (power head only)

Feature	Detail
Product Dimensions (Power Head)	19"L x 13"W x 14"H
Fuel Mix Ratio	Refer to 2-stroke oil manufacturer's recommendation (e.g., 25:1 or 40:1)

## WARRANTY AND SUPPORT

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For warranty information, technical support, or to purchase replacement parts, please contact Farmertec customer service. Keep your purchase receipt as proof of purchase.

**Contact Information:** Refer to the contact details provided with your product packaging or visit the official Farmertec website.

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