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## BILT HARD 22 Inch 56cc 3.1 HP

# BILT HARD 22-inch 56cc Gas Chainsaw Instruction Manual

Model: 22 Inch 56cc 3.1 HP

## 1. SAFETY INFORMATION

Always prioritize safety when operating the BILT HARD Gas Chainsaw. Read and understand all instructions before use. Failure to follow safety guidelines can result in serious injury.

- Wear appropriate personal protective equipment (PPE), including a helmet, eye protection, hearing protection, gloves, and sturdy footwear.
- Ensure the work area is clear of bystanders, especially children and pets.
- Inspect the chainsaw before each use for any damage, loose parts, or dull chain.
- Maintain a firm grip with both hands on the chainsaw handles.
- Be aware of kickback and take precautions to avoid it. The low kickback safety function reduces this risk.
- Never operate the chainsaw when fatigued or under the influence of alcohol or drugs.
- Properly mix fuel and oil as specified to prevent engine damage.

## 2. PRODUCT OVERVIEW

The BILT HARD 22-inch 56cc Gas Chainsaw is designed for efficient wood cutting tasks. Familiarize yourself with its components for safe and effective operation.



**Figure 2.1: Chainsaw Components.** This image displays a detailed diagram of the BILT HARD Gas Chainsaw, highlighting key parts such as the chain brake, starter handle, air filter cover, choke knob, throttle trigger lock, throttle trigger, rear handle, fuel tank, chain lubricant oil tank, front handle, guide bar, saw chain, chain tension adjuster, bumper spike, and primer bulb.

Understanding these components is crucial for proper assembly and operation.



**Figure 2.2: Fuel and Oil Tanks.** This image illustrates the locations of the Fuel Tank and Chain Lubricant Oil Tank on the BILT HARD Gas Chainsaw. It also specifies the recommended fuel mixture ratio of 40:1 (GASOLINE vs ENGINE OIL) for optimal engine performance and longevity.

## 3. SETUP

### 3.1 Assembly

Proper assembly is vital for the safe and effective operation of your chainsaw. Follow these steps carefully.

Your browser does not support the video tag.

**Video 3.1: How to Assemble Chainsaw.** This video provides a step-by-step guide on assembling your chainsaw, including attaching the guide bar and chain, and securing the clutch cover. Ensure all components are correctly fitted and tightened before proceeding.

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**Video 3.2: Gas Chainsaw Assembly Guide.** An additional visual guide demonstrating the assembly process for the gas chainsaw. This video covers the essential steps to ensure your chainsaw is correctly put together and ready for use.

## 3.2 Fuel and Oil Mixture

The BILT HARD Gas Chainsaw operates on a 2-cycle gasoline engine. It requires a specific fuel-to-oil mixture for optimal performance and engine longevity.

- Use a **40:1 ratio of fuel to oil mix** for the engine. This means 40 parts gasoline to 1 part 2-cycle engine oil.
- Always use fresh, high-quality unleaded gasoline and a reputable brand of 2-cycle engine oil.
- Mix the fuel and oil thoroughly in a separate, approved fuel container before pouring into the chainsaw's fuel tank.
- The automatic oiler ensures the chain receives a consistent flow of lubricating oil during operation. Regularly check the chain lubricant oil tank and refill as needed.

## 4. OPERATING INSTRUCTIONS

### 4.1 Starting the Chainsaw

Follow these steps to start your BILT HARD Gas Chainsaw safely and efficiently.

- Ensure the chain brake is engaged (pushed fully forward).
- Move the ON/OFF switch to the 'ON' position.
- Push the primer bulb 3-5 times, or until the bulb is full of fuel.
- Pull the choke knob out until a "clink" is heard.
- Place the chainsaw on a firm, flat surface. Hold the rear handle firmly with one hand and place your foot on the rear handle to stabilize the saw.
- Pull the starter rope rapidly 1-4 times until you hear the first starting sound (pops).
- Push the choke knob back in.
- Pull the starter rope rapidly again 1-4 times to start the engine.
- Once the engine starts, let it idle for a few seconds.
- Depress the throttle trigger to release the choke to the run position automatically.
- Carefully disengage the chain brake. The chainsaw is now ready for use.

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**Video 4.1: PROYAMA Gas Chainsaw Start Instruction.** This video demonstrates the correct procedure for starting a gas chainsaw, including priming, choking, and pulling the starter rope. Follow these steps for a smooth engine start.

### 4.2 Cutting Techniques

The 22-inch bar and chain cut through limbs fast. Always maintain a stable stance and proper grip.



## Powerful & Efficient

Goes through the toughest wood quickly and easily

**Figure 4.2: Powerful & Efficient Cutting.** This image shows the BILT HARD Gas Chainsaw in action, cutting through a thick log with sawdust visibly being expelled. It highlights the chainsaw's powerful and efficient performance for demanding wood cutting tasks.



## Low Kickback Design

Reducing vibration for a more comfortable operation

**Figure 4.3: Low Kickback Design.** This image illustrates the chainsaw being used to cut a log, emphasizing its low kickback design. This feature is crucial for reducing vibration and enhancing user comfort and safety during operation.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your BILT HARD Gas Chainsaw.

- **Air Filter Cleaning:** The air cleaning system actively expels large dust and debris particles before they reach the air filter. Periodically clean or replace the air filter to maintain engine efficiency.
- **Automatic Oiler:** The automatic oiler ensures the chain receives a consistent flow of lubricating oil. Always ensure the chain lubricant oil tank is filled before operation.
- **Chain Sharpening:** A sharp chain is essential for efficient and safe cutting. Sharpen the chain regularly or replace it when dull.
- **General Cleaning:** After each use, clean the chainsaw body, guide bar, and chain to remove sawdust, sap, and debris.
- **Storage:** When storing the chainsaw for extended periods, drain the fuel tank and chain oil tank. Clean

the saw thoroughly and store it in a dry, safe place.

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**Video 5.1: How to Tension or Replace Chainsaw Chain.** This video demonstrates the process of properly tensioning or replacing the chainsaw chain. Correct chain tension is crucial for safety and cutting performance.

## 6. TROUBLESHOOTING

If you encounter issues with your BILT HARD Gas Chainsaw, refer to the common problems and solutions below.

Problem	Possible Cause	Solution
Chainsaw won't start	Incorrect starting procedure, no fuel, flooded engine, dirty spark plug, clogged fuel filter.	Review starting instructions (Section 4.1). Ensure fuel tank is filled with correct mix. If flooded, wait 5-10 minutes before attempting to start again without choke. Clean/replace spark plug or fuel filter.
Engine runs, but chain does not move	Chain brake engaged, clutch issue, damaged chain.	Disengage chain brake. Inspect clutch for damage (professional service recommended). Replace damaged chain.
Poor cutting performance	Dull chain, incorrect chain tension, insufficient chain lubrication.	Sharpen or replace chain. Adjust chain tension (refer to Video 5.1). Ensure chain oil tank is filled and automatic oiler is functioning.
Excessive vibration	Loose components, damaged chain or guide bar.	Check all nuts and bolts for tightness. Inspect chain and guide bar for damage and replace if necessary.

If the problem persists after attempting these solutions, please contact BILT HARD customer service.

## 7. SPECIFICATIONS

Key technical specifications for the BILT HARD 22-inch 56cc Gas Chainsaw:

- **Engine:** 56cc 2-cycle gasoline engine
- **Horsepower:** 3.1 HP
- **Rated Speed:** 8500 rpm
- **Max Torque:** 2.5 Nm
- **Bar Length:** 22 inches
- **Fuel Mix Ratio:** 40:1 (Gasoline to 2-Cycle Oil)
- **Oiling System:** Automatic Oiler
- **Starting System:** Recoil Starter

- **Safety Features:** Low kickback safety function, automatic inertia-activated chain brake
- **Item Weight:** 16.5 pounds
- **Product Dimensions:** 37.8 x 9.4 x 11 inches

## 8. WARRANTY AND SUPPORT

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BILT HARD is committed to providing high-quality products and exceptional customer service.

- **Warranty Information:** Please refer to the product packaging or official BILT HARD website for detailed warranty terms and conditions.
- **Customer Service:** Amazon's return policy does not cover gasoline-related products. If you have any questions, concerns, or require technical assistance, please contact BILT HARD directly via Amazon email or our official website.