

HEVIRGO 52CC

HEVIRGO 5-in-1 Gas Powered Multi-Tool Instruction Manual

Model: 52CC

INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your HEVIRGO 5-in-1 Gas Powered Multi-Tool. This versatile system combines a string trimmer, edger, pole saw, hedge trimmer, and brush cutter into one powerful unit, designed for various outdoor landscaping tasks.

Please read this manual thoroughly before operating the equipment to ensure proper use and to prevent injury or damage.

SAFETY INFORMATION

Your safety and the safety of others are paramount. Always follow these safety guidelines:

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety goggles, ear protection, gloves, long pants, and sturdy, non-slip footwear. A safety helmet with a face shield is recommended, especially when using the brush cutter or pole saw.
- **Fuel Handling:** Handle gasoline with extreme care. Store fuel in approved containers in a well-ventilated area, away from ignition sources. Never refuel while the engine is running or hot.
- **Work Area:** Ensure the work area is clear of bystanders, children, and pets. Clear debris and obstacles before starting work.
- **Inspection:** Before each use, inspect the tool for loose parts, damaged components, or fuel leaks. Do not operate if any damage is found.
- **Engine Operation:** Operate the engine in a well-ventilated outdoor area to avoid carbon monoxide poisoning.
- **Blade Safety:** Keep hands and feet away from cutting attachments. Blades remain sharp and can cause severe injury.
- **Stability:** Maintain proper footing and balance at all times. Do not overreach.
- **Storage:** Store the tool in a dry, secure place, out of reach of children. Allow the engine to cool completely

before storing.

PRODUCT COMPONENTS

The HEVIRGO 5-in-1 Multi-Tool comes with the following main components and accessories:



Figure 1: Overview of all included components and accessories for the HEVIRGO 5-in-1 Gas Powered Multi-Tool. This image displays the main engine unit, various interchangeable attachments (string trimmer, brush cutter, hedge trimmer, pole saw), extension poles, safety gear (goggles, ear protection, gloves, helmet), and maintenance tools (oil jug, funnel, installation kit).

- 52CC Engine Unit
- Control Rod
- Extension Rod (43.31 inches / 134 cm)
- Hedge Trimmer Pole Attachment
- Chainsaw Pole Attachment
- Brush Cutter Pole Attachment (includes 3-tooth blade and 40-tooth blade)
- Grass Trimmer Attachment (includes plastic mowing head and nylon line spool)

- Oil Jug and Funnel
- Safety Goggles, Ear Protection, Gloves, and Helmet
- Installation Kit

ASSEMBLY AND SETUP

The HEVIRGO 5-in-1 Multi-Tool features a detachable design for easy assembly and storage. Follow these steps to assemble your desired tool configuration:



Figure 2: Illustration of the detachable design, showing how the engine unit connects to the main shaft and how different attachments can be interchanged at the interface point.

1. **Engine Unit Connection:** Securely attach the control rod to the 52CC engine unit. Ensure all fasteners are tightened.
2. **Extension Pole:** If additional reach is required, connect the extension rod between the control rod and the desired attachment. Ensure the connection is firm and locked into place.
3. **Attaching Tools:**

- **String Trimmer/Edger:** Attach the grass trimmer pole with the plastic mowing head and nylon line spool.
 - **Brush Cutter:** Attach the brush cutter pole. Select and securely mount either the 3-tooth blade or the 40-tooth blade, ensuring it is correctly oriented and tightened.
 - **Hedge Trimmer:** Attach the hedge trimmer pole. Ensure the blade guard is removed only when ready to operate.
 - **Pole Saw:** Attach the chainsaw pole. Ensure the chain is properly tensioned and lubricated.
4. **Handle Adjustment:** Adjust the ergonomic handle to a comfortable and secure position for optimal control and reduced fatigue during operation.

FUELING AND STARTING THE ENGINE

This tool is powered by a 2-stroke gasoline engine. Proper fuel mixture is critical for engine performance and longevity.

1. **Fuel Mixture:** Mix unleaded gasoline with high-quality 2-stroke engine oil at the ratio specified by the engine manufacturer (typically 25:1 or 50:1, refer to engine label if present). Use the provided oil jug for accurate measurement.
2. **Refueling:**
 - Ensure the engine is off and cool before refueling.
 - Move to a well-ventilated outdoor area.
 - Carefully pour the mixed fuel into the fuel tank using the provided funnel. Do not overfill.
 - Securely replace the fuel cap.
3. **Starting Procedure:**
 - Place the tool on a flat, stable surface.
 - Set the choke lever to the "START" or "CHOKE" position.
 - Press the primer bulb several times until fuel is visible.
 - Pull the starter cord firmly and smoothly until the engine briefly fires.
 - Once the engine fires, move the choke lever to the "RUN" position.
 - Pull the starter cord again until the engine starts and runs smoothly.
 - Allow the engine to warm up for a few moments before engaging the throttle.

OPERATION

Always wear appropriate PPE during operation. Maintain a firm grip on the handles and ensure stable footing.

24 hours work without burning

Enlarge the heat dissipation holes to quickly cool down



Figure 3: An individual demonstrating the use of the HEVIRGO multi-tool in string trimmer configuration, highlighting the ergonomic design and ease of use for lawn maintenance.

String Trimmer / Edger

- Use for trimming grass and light weeds around obstacles, fences, and garden beds.
- For edging, hold the trimmer at an angle to create a clean line along sidewalks or driveways.
- The nylon line spool features a bump feed mechanism for extending the line.

Brush Cutter

- Ideal for cutting thick brush, dense weeds, and small saplings.
- Use the 3-tooth blade for general brush and the 40-tooth blade for tougher, woody growth.
- Always maintain a safe distance from the blade and be aware of kickback.

Hedge Trimmer

- Designed for shaping and trimming hedges and shrubs.
- Ensure the area is clear of electrical wires or other obstructions before cutting.

- Cut in smooth, sweeping motions.

Pole Saw

- Use for pruning high branches that are otherwise out of reach.
- Ensure the chain is properly lubricated before and during use.
- Be aware of falling branches and maintain a safe distance.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your HEVIRGO multi-tool. Always ensure the engine is off and cool before performing any maintenance.



Figure 4: Detailed view of the 52CC engine, emphasizing its design for efficient heat dissipation, which contributes to extended operational periods without overheating.

- **Cleaning:** After each use, clean the exterior of the tool, especially the cutting attachments, to remove grass, dirt, and debris. Use a damp cloth and mild detergent.

- **Air Filter:** Regularly inspect and clean the air filter. A clogged air filter can reduce engine performance and increase fuel consumption. Clean with warm, soapy water, rinse, and allow to dry completely before reinstalling.
- **Spark Plug:** Check the spark plug periodically for wear or carbon buildup. Replace if necessary, ensuring the correct gap.
- **Blades and Line:**
 - **Brush Cutter Blades:** Inspect for sharpness and damage. Sharpen or replace as needed.
 - **Hedge Trimmer Blades:** Keep blades clean and lightly oiled to prevent rust and ensure smooth operation.
 - **Chainsaw Chain:** Ensure the chain is sharp and properly tensioned. Lubricate the chain frequently during use.
 - **Nylon Line:** Replace the nylon line spool when it runs out. Refer to the product specifications for the correct line diameter (2mm).
- **Fuel System:** If storing the tool for an extended period, drain the fuel tank or use a fuel stabilizer to prevent fuel degradation.
- **Storage:** Store the multi-tool in a dry, well-ventilated area, away from direct sunlight and extreme temperatures. Disassemble attachments for compact storage if desired.

TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Engine does not start	No fuel or incorrect fuel mixture; clogged fuel filter; faulty spark plug; incorrect choke setting.	Check fuel level and mixture; clean/replace fuel filter; inspect/replace spark plug; adjust choke.
Engine runs poorly or stalls	Clogged air filter; old or stale fuel; carburetor issues; spark plug issues.	Clean air filter; drain old fuel and refill with fresh mixture; clean carburetor (professional service recommended); inspect/replace spark plug.
Cutting attachment not performing effectively	Dull or damaged blade/line; incorrect attachment for the task; debris wrapped around the head.	Sharpen or replace blade/line; ensure correct attachment is used; clear any debris.
Excessive vibration	Loose components; bent shaft; unbalanced blade.	Check and tighten all fasteners; inspect shaft for damage; replace bent or unbalanced blades.

SPECIFICATIONS



Figure 5: Dimensional overview of the HEVIRGO 5-in-1 Multi-Tool, indicating its approximate length and width/height for storage and operational planning.

Feature	Detail
Engine Type	2-Stroke
Engine Displacement	52CC
Engine Working Speed	8000-9500 r/min
Engine Idling Speed	3000 r/min
Extension Pole Length	43.31 inches (134 cm)
Overall Dimensions (L x W x H)	70.87" x 13.78" x 13.78" (180cm x 35cm x 35cm)

Feature	Detail
Item Weight	35.7 pounds (16180 Grams)
Material	Metal, Plastic
Power Source	Gas Powered
Color	Red
Grass Trimmer	
Nylon Line Spool	Bump Feed, Twin Line
Line Diameter	2mm
Cutting Width	380mm
Brush Cutter	
Blade Type	3-tooth Blade (also includes 40-tooth blade)
Cutting Diameter	230mm
Hedge Trimmer	
Cutting Length of Trimmer Blade	400mm
Cutting Capacity	24mm
No-load Speed of Blade	1400 r/min
Chainsaw (Pole Saw)	
Bar Length	10 Inch (250mm)
Max Cutting Length	200mm
Chain Speed at No Load	10m/s
Oil Tank Capacity	120 Cubic Centimeter

WARRANTY AND SUPPORT

For information regarding warranty coverage, product registration, or technical support, please refer to the warranty card included with your purchase or visit the official HEVIRGO website. You may also contact HEVIRGO customer service directly for assistance with any operational or maintenance questions.

Always provide your product model number (52CC) and purchase date when contacting support.

