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SAKAWA 1G72

SAKAWA 1G72 Tiller User Manual

Model: 1G72

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your SAKAWA 1G72 Tiller. Please read this manual thoroughly before operating the machine and keep it for future reference.

The SAKAWA 1G72 is a high-quality gasoline tiller designed for preparing small to medium-sized garden plots. It features a robust 7.5 HP 4-stroke OHV engine, a 3-speed gearbox (2 forward, 1 reverse), and an adjustable working width.



Image 1.1: Front view of the SAKAWA 1G72 Tiller, showing the engine, tines, and front transport wheel.

2. SAFETY INFORMATION

WARNING: Improper use of this equipment can cause serious injury or death. Always follow these safety guidelines.

- Handle and store the equipment in a safe environment.
- Ensure all bolts and parts are correctly secured before each use.
- Regularly check the oil level and operate the machine only with the correct oil level. The machine includes a low oil sensor to prevent operation if the oil level is incorrect.
- Avoid contact with hot or moving parts during and after use.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Keep bystanders, especially children and pets, away from the operating area.
- Do not operate the tiller under the influence of alcohol or medication.
- Familiarize yourself with the controls and emergency stop procedures before starting the engine.

3. SETUP AND ASSEMBLY

Your SAKAWA 1G72 Tiller may require some assembly before first use. Follow these steps carefully.

1. **Unpacking:** Carefully remove all components from the packaging. Check for any damage during transit.
2. **Handlebar Assembly:** Attach the handlebars to the main unit. The handlebars are adjustable in multiple positions (height and side-to-side) for user comfort. Secure all fasteners tightly.
3. **Tine Assembly:** Install the removable blade set (tines). The working width can be adjusted from 60 cm to 85 cm by adding or removing tine sections. Ensure all tines are securely fastened.
4. **Front Transport Wheel:** Attach the front transport wheels. These wheels are designed for easy transport without spring pins. The machine also integrates a support for the wheels or rotovator at the front of the chassis.
5. **Rear Drawbar/Spur:** Install the adjustable rear drawbar (spur). This allows for better connection of accessories.
6. **Oil Fill:** Before starting, fill the engine with the appropriate engine oil and the gearbox with valve oil, as provided in the included oil kit. Refer to the "Maintenance" section for oil specifications.



Image 3.1: Assembled SAKAWA 1G72 Tiller, showing the handlebars, engine, and tines.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your tiller.

4.1 Pre-Operation Checklist

- Check engine oil level.
- Check fuel level (unleaded gasoline).
- Inspect tines for damage or debris.
- Ensure all fasteners are tight.

- Verify that the air filter is clean.
- Confirm the clutch lever and safety system are functioning correctly.

4.2 Starting the Engine (Manual Pull Start)

1. Ensure the tiller is on a level surface.
2. Set the engine switch to the "ON" position.
3. Open the fuel valve.
4. Apply choke if the engine is cold.
5. Pull the recoil starter handle firmly and smoothly until the engine starts. Do not let the rope snap back.
6. Once the engine starts, gradually push the choke lever to the "OFF" position.

4.3 Engaging the Tines and Gear Selection

- The tiller features a gearbox with 2 forward speeds and 1 reverse speed.
- Use the gear lever to select the desired speed.
- Engage the clutch lever (with safety system) to transfer power to the tines. The clutch uses a double belt system.
- The safety system on the clutch lever ensures safer and easier operation.



Image 4.1: Close-up of the gear selection lever on the SAKAWA 1G72 Tiller handlebar.



Image 4.2: Close-up of the clutch lever with its safety mechanism on the SAKAWA 1G72 Tiller handlebar.

4.4 Tilling Techniques

- Adjust the working depth (17-35 cm) using the adjustable spur.
- For optimal results, make multiple passes, gradually increasing the depth.
- Overlap each pass slightly to ensure complete tilling of the area.
- Always maintain a firm grip on the handlebars.

4.5 Stopping the Engine

- Disengage the clutch to stop the tines.
- Set the engine switch to the "OFF" position.
- Close the fuel valve for storage.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your SAKAWA 1G72 Tiller.

5.1 Daily Checks

- Check engine oil level.
- Inspect tines for wear or damage.
- Clean debris from the engine and tines.
- Check for loose bolts or nuts.

5.2 Engine Oil

- The tiller is equipped with a low oil sensor; ensure the oil level is always correct.
- Change engine oil after the first 5 hours of operation, then every 25-50 hours or annually.
- Use high-quality 4-stroke engine oil (e.g., SAE 10W-30).

5.3 Air Filter

- The tiller uses an oil bath filter. Clean or replace the air filter element regularly, especially when operating in dusty conditions.

5.4 Spark Plug

- Inspect and clean the spark plug every 50 hours or annually. Replace if worn.

5.5 Gearbox Oil

- The transmission is a reinforced gear cascade. Check and maintain the gearbox oil level as per the included oil kit instructions.

5.6 Tines

- Regularly inspect tines for wear, bending, or breakage. Replace worn or damaged tines to maintain tilling efficiency.

5.7 Storage

- For long-term storage, drain the fuel tank and carburetor.
- Clean the entire machine thoroughly.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your SAKAWA 1G72 Tiller.

Problem	Possible Cause	Solution
Engine does not start	<ul style="list-style-type: none">• No fuel or stale fuel• Engine switch OFF• Choke not set correctly• Low engine oil (sensor activated)• Spark plug fouled or faulty	<ul style="list-style-type: none">• Fill with fresh fuel• Set switch to ON• Adjust choke lever• Add engine oil to correct level• Clean or replace spark plug
Engine runs poorly or stalls	<ul style="list-style-type: none">• Dirty air filter• Stale fuel• Spark plug issue• Carburetor issues	<ul style="list-style-type: none">• Clean or replace air filter• Drain and refill with fresh fuel• Inspect/replace spark plug• Consult a qualified technician
Tines do not engage	<ul style="list-style-type: none">• Clutch not engaged• Drive belt worn or broken• Gearbox issue	<ul style="list-style-type: none">• Engage clutch lever fully• Inspect and replace drive belt• Consult a qualified technician

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	1G72
Engine Type	4-stroke OHV Gasoline Engine
Displacement	208 cm ³
Power Output	7.5 HP

Feature	Specification
Starting System	Manual Recoil Start
Gearbox	3 speeds (2 Forward, 1 Reverse)
Clutch Type	Double Belt Clutch
Transmission	Reinforced Gear Cascade
Working Width	Adjustable 50 - 85 cm
Tilling Depth	17 - 35 cm
Chassis Material	Reinforced Steel
Air Filter	Oil Bath Filter
Safety Features	Low Oil Sensor, Clutch Safety System, Protective Exhaust Grille
Item Weight	76 kg

8. WARRANTY INFORMATION

Specific warranty details for the SAKAWA 1G72 Tiller are typically provided at the point of purchase or within separate documentation included with the product. Please refer to your purchase receipt or contact your retailer for comprehensive warranty terms and conditions.

Keep your proof of purchase for any warranty claims.

9. CUSTOMER SUPPORT

For technical assistance, spare parts, or any questions regarding your SAKAWA 1G72 Tiller, please contact SAKAWA customer support or your authorized dealer.

The product description mentions "Zona Garden vous propose toutes les recharges de cette machine". This suggests Zona Garden might be a retailer or a source for spare parts.

Contact Information: Please refer to the contact details provided with your purchase or visit the official SAKAWA website for support.