



[Manuals.plus](#) /

> [KNAKASAKI](#) /

> KNAKASAKI 63cc 2-Stroke 6-in-1 Professional Gas-Powered Multi-Tool Kit NK8728 User Manual

KNAKASAKI NK8728

KNAKASAKI 63cc 2-Stroke 6-in-1 Professional Gas-Powered Multi-Tool Kit NK8728 User Manual

Model: NK8728

INTRODUCTION

This manual provides essential instructions for the safe operation, assembly, maintenance, and troubleshooting of your KNAKASAKI 63cc 2-Stroke 6-in-1 Professional Gas-Powered Multi-Tool Kit, Model NK8728. Please read this manual thoroughly before operating the equipment to ensure proper use and to prevent injury or damage.

IMPORTANT SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury or death.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses or a face shield, ear protection, heavy-duty gloves, long pants, and sturdy, non-slip footwear. A vibration reduction shoulder harness is also recommended for extended use.
- **Fuel Handling:** Use a 2-stroke fuel mix as specified. Handle fuel in a well-ventilated area, away from open flames or sparks. Do not smoke while fueling.
- **Work Area:** Keep children, pets, and bystanders at a safe distance (at least 50 feet/15 meters) from the work area. Clear the area of debris, rocks, and other objects that could be thrown by the tool.
- **Inspection:** Before each use, inspect the tool for loose parts, damaged blades, or fuel leaks. Do not operate damaged equipment.
- **Operation:** Operate the tool only in good lighting conditions. Maintain a firm grip on the handles. Do not overreach. Be aware of your surroundings and potential hazards.
- **Maintenance:** Disconnect the spark plug wire before performing any maintenance or cleaning.

ACCESSORIES



Figure 1: Essential Personal Protective Equipment (PPE) for operating the multi-tool kit.

PACKAGE CONTENTS

Your KNAKASAKI 6-in-1 Multi-Tool Kit includes the following components:

- 63cc 2-Stroke Powerhead Engine
- Main Shaft Assembly
- Brush Cutter Attachment (with various blades: 3-tooth, 6-tooth, 40-tooth circular saw blade, string trimmer head)
- Hedge Trimmer Attachment (with adjustable angle)
- Pole Saw Attachment
- Shoulder Harness
- Ear Defenders
- Face Shield
- Gloves
- Basic Tool Kit for assembly and maintenance

- Fuel Mixing Bottle



Figure 2: Overview of all components included in the KNAKASAKI 6-in-1 Multi-Tool Kit.

ACCESSORIES



Figure 3: Detailed view of included accessories and safety gear.

ASSEMBLY INSTRUCTIONS

Carefully unpack all components and identify them using the "Package Contents" section. Assembly requires attention to detail to ensure safe and proper operation.

1. Attaching the Handlebar and Guard

1. Slide the handlebar onto the main shaft and secure it at a comfortable operating position using the provided bolts and nuts. Ensure the anti-slip and anti-rotation features are correctly engaged.
2. Attach the safety guard to the lower part of the main shaft, near where the attachments connect. Ensure it is firmly secured to protect against debris.

2. Connecting the Powerhead to the Main Shaft

1. Align the powerhead (engine unit) with the upper end of the main shaft.
2. Carefully connect the throttle cable and electrical harness from the powerhead to the corresponding connections on the main shaft. Ensure all connections are secure and properly seated.

3. Secure the powerhead to the main shaft using the quick-release connector or bolts as specified.



Figure 4: Assembled main unit with powerhead and string trimmer attachment.

3. Attaching Specific Tools (Brush Cutter, Hedge Trimmer, Pole Saw)

The multi-tool system features a quick-release split shaft for easy attachment changes.

1. **Selecting an Attachment:** Choose the desired attachment (e.g., brush cutter, hedge trimmer, pole saw).
2. **Connecting:** Align the attachment's shaft with the lower end of the main shaft. Push and twist until the attachment clicks into place, ensuring the internal drive shaft engages correctly. Secure with the quick-release clamp.
3. **Blade Installation (Brush Cutter):** For brush cutter attachments, select the appropriate blade (3-tooth, 6-tooth, or 40-tooth circular saw blade) or the string trimmer head. Follow the specific instructions for securing the blade or

head to the gear housing, ensuring all washers and nuts are tightened correctly.

4. **Hedge Trimmer Angle Adjustment:** The hedge trimmer attachment allows for angle adjustment. Refer to the specific mechanism on the attachment for how to unlock, adjust, and lock the cutting angle.

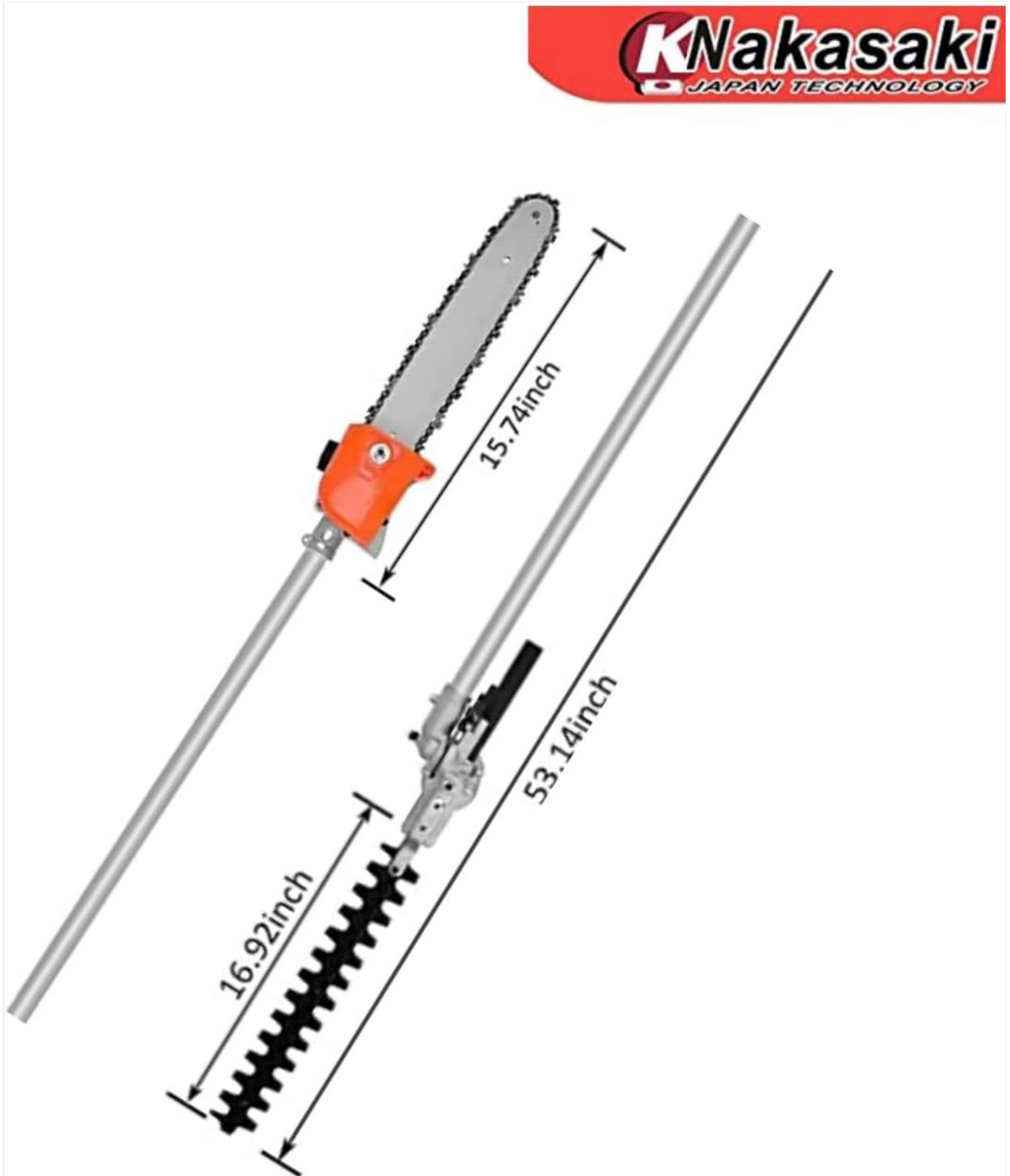


Figure 5: Pole saw and hedge trimmer attachments, ready for connection.

FUELING INSTRUCTIONS

This is a 2-stroke engine and requires a specific fuel mixture. Using incorrect fuel or mix ratio will damage the engine and void the warranty.

- **Fuel Type:** Use fresh, unleaded gasoline with an octane rating of 89 or higher.
- **Oil Type:** Use high-quality 2-stroke engine oil specifically designed for air-cooled engines.
- **Mixing Ratio:** The recommended fuel-to-oil mixing ratio is **25:1** (25 parts gasoline to 1 part 2-stroke oil). Use the provided mixing bottle for accurate measurement.
- **Procedure:**
 - a. Pour the required amount of 2-stroke oil into the mixing bottle.
 - b. Add the corresponding amount of gasoline.
 - c. Securely close the bottle and shake well to ensure thorough mixing.
 - d. Carefully pour the mixed fuel into the engine's fuel tank, avoiding spills. Do not overfill.
- **Storage:** Store mixed fuel in a proper, labeled container in a cool, dry place away from ignition sources. Do not store mixed fuel for more than 30 days.

OPERATING INSTRUCTIONS

Starting the Engine

1. Place the tool on a flat, stable surface.
2. Ensure the fuel tank cap is securely tightened.
3. Set the ON/OFF switch to the "ON" position.
4. Engage the choke lever (usually to the "CLOSED" or "START" position).
5. Press the primer bulb several times until fuel is visible in the return line.
6. Pull the starter cord firmly and smoothly until the engine attempts to start (usually 1-3 pulls).
7. Once the engine "pops" or attempts to start, disengage the choke lever (to the "OPEN" or "RUN" position).
8. Pull the starter cord again until the engine starts and runs smoothly.
9. Allow the engine to warm up for a few moments before engaging the throttle.

Using the Attachments

Always wear appropriate PPE and maintain a secure grip on the tool during operation.

- **Brush Cutter / Weed Eater:**

Hold the tool with both hands, keeping the cutting head away from your body. Use a sweeping motion to cut grass or weeds. For thicker brush, use the appropriate metal blade and approach the material slowly. The shoulder harness helps distribute weight and reduce fatigue.

- **Hedge Trimmer:**

Adjust the hedge trimmer angle as needed for comfortable and effective cutting. Use a smooth, even motion to trim hedges. Avoid cutting branches thicker than the recommended capacity (typically 0.5-0.75 inches, refer to specifications).

- **Pole Saw:**

Ensure the chain is properly tensioned and lubricated before use. Position the pole saw securely on the branch to be cut, allowing the saw to do the work. Avoid cutting directly overhead. Be aware of falling branches.

Adding a straw or straw support to easily realize the harvester function



Barley



Sugar cane



Soybeans



Corn



Wheat



Rice



Rape



Reed



Shrub

Figure 6: Examples of various vegetation types that can be managed with the multi-tool kit.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your KNAKASAKI multi-tool. Always disconnect the spark plug wire before performing any maintenance.

- **Cleaning:** After each use, clean the tool, especially the cutting attachments, of debris, sap, and dirt. Use a damp cloth and mild detergent.
- **Air Filter:** Inspect and clean the air filter regularly (every 5-10 hours of operation). A dirty air filter can reduce engine performance. Wash with warm, soapy water, rinse, and allow to dry completely before reinstallation.
- **Spark Plug:** Inspect the spark plug annually or every 50 hours of operation. Clean or replace if fouled or worn. Refer to specifications for the correct spark plug type and gap.
- **Blades:** Inspect all cutting blades for sharpness and damage before each use. Sharpen dull blades or replace damaged ones. Ensure all blade mounting hardware is tight.
- **Chain Lubrication (Pole Saw):** Ensure the pole saw chain is adequately lubricated with bar and chain oil during

operation. Check the oil reservoir level frequently.

- **Storage:** For long-term storage, drain the fuel tank or run the engine until it runs out of fuel. Clean the tool thoroughly. Store in a dry, secure location away from children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect fuel mix, spark plug issue, choke setting, ON/OFF switch off.	Check fuel level and mix. Inspect spark plug. Ensure choke is set correctly for starting. Turn ON/OFF switch to "ON".
Engine runs poorly or stalls	Dirty air filter, incorrect fuel mix, old fuel, spark plug issue, carburetor adjustment.	Clean air filter. Use fresh, correct fuel mix. Inspect spark plug. Consult a service technician for carburetor adjustment.
Attachment not engaging or spinning	Attachment not fully connected, drive shaft misalignment, damaged gear housing.	Ensure attachment is securely clicked and clamped. Check for debris in the connection. Inspect for damage.
Excessive vibration	Loose parts, damaged or unbalanced blade, bent shaft.	Check all fasteners. Inspect blades for damage and balance. If shaft is bent, discontinue use and seek professional service.

SPECIFICATIONS

- **Model:** NK8728
- **Engine Type:** 63cc 2-Stroke Gas Engine
- **Power Source:** Gas Powered
- **Fuel Mix Ratio:** 25:1 (Gasoline:2-Stroke Oil)
- **Item Weight:** Approximately 37 Pounds (Powerhead + Main Shaft)
- **Cutting Width (Brush Cutter):** Up to 11 Inches (depending on blade)
- **Product Dimensions (Main Unit):** Approximately 12.6"L x 11.42"W (Powerhead)
- **Attachments Included:** Brush Cutter (various blades), Hedge Trimmer, Pole Saw
- **UPC:** 850031232938

WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact KNAKASAKI customer service. Keep your purchase receipt and model number (NK8728) available when contacting support.

Your satisfaction is important. If you encounter any issues or have questions not covered in this manual, please reach out to our support team for assistance.



