

chikura C142

CHIKURA GX25 Engine Brush Cutter User Manual

Model: C142

1. SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow these instructions may result in serious injury or property damage.

- **Eye and Ear Protection:** Always wear appropriate eye protection (safety glasses or goggles) and ear protection (earmuffs or earplugs) when operating the brush cutter.
- **Bystander Safety:** Keep all bystanders, children, and pets at a safe distance (at least 15 meters / 50 feet) from the operating area.
- **Ventilation:** Do not operate the engine in enclosed spaces to avoid the risk of carbon monoxide poisoning. Ensure adequate ventilation.
- **Assembly:** Assemble all parts according to the instruction manual before use. Ensure all fasteners are securely tightened.
- **Supervision:** Never leave the trimmer unattended while the engine is running.
- **Pre-Operation Check:** Before each use, inspect the unit for any damage, loose parts, or fuel leaks. Ensure all guards are in place and functional.
- **Read Manual:** Read and understand the entire instruction manual before attempting to operate the brush cutter.

2. PRODUCT OVERVIEW

The CHIKURA GX25 Engine Brush Cutter is a robust, gasoline-powered tool designed for efficient trimming and cutting of various types of vegetation. It features a reliable 4-stroke, air-cooled, single-cylinder GX25 engine, providing consistent power for demanding tasks.



This image shows the compact red and silver engine unit of the CHIKURA GX25 brush cutter, highlighting its robust design and the clutch mechanism.

3. SPECIFICATIONS

Brand	chikura
Model Number	C142
Engine Model	GX25
Engine Type	Air-cooled, Four-stroke, Single Cylinder Gasoline
Engine Power	0.65 kW / 6500-7000 r/min (0.87 hp / 6500-7000 rpm)
Displacement	25cc
Carburetor	Pump-film type
Fuel Tank Capacity	0.08 L
Pipe Diameter	35*26mm
Bore x Stroke	35 mm x 26 mm

Ignition	Transistorized magneto
Power Source	Gasoline-powered
Color	Red
Item Weight	25 Pounds (approx. 11.34 kg)
Cutting Width	6 Inches (approx. 15.24 cm)
Product Dimensions (Engine Unit)	7"L x 6"W (approx. 17.78 cm L x 15.24 cm W)
Speed	7000 RPM
Assembly Required	Yes
UPC	614134550623
Manufacturer	Mingda Ltd

4. SETUP AND ASSEMBLY

Carefully unpack all components and lay them out on a clean, flat surface. Refer to the included parts diagram (if available) to identify each piece.

- Unpacking:** Remove all packaging materials and inspect for any shipping damage. Verify that all components listed in the packing list are present.
- Engine Attachment:** Securely attach the GX25 engine unit to the main shaft of the brush cutter. Ensure all mounting bolts are tightened according to the manufacturer's torque specifications.
- Handle and Guard Installation:** Install the operating handle(s) and the safety guard. The safety guard must be positioned correctly to protect the operator from debris.
- Cutting Attachment:** Attach the desired cutting tool, such as the trimmer head or a brush cutter blade, to the shaft. Follow specific instructions for the attachment type to ensure it is properly secured and balanced.
- Final Inspection:** Before adding fuel or starting the engine, perform a thorough inspection to ensure all connections are tight, guards are in place, and there are no loose parts.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and safety features before starting the engine.

- Fueling:** Use fresh, clean, unleaded gasoline. Refer to the engine manufacturer's manual for specific fuel type and any oil mixing requirements (if applicable for 4-stroke engines, typically separate oil reservoir). Do not overfill the fuel tank.
- Starting the Engine:**
 - Place the brush cutter on a flat, stable surface.
 - Press the primer bulb several times until fuel is visible.
 - Set the choke lever to the 'START' or 'CHOKE' position (for cold starts).
 - Pull the starter cord firmly and smoothly until the engine fires.
 - Once the engine starts, gradually move the choke lever to the 'RUN' position.
 - Allow the engine to warm up for a few moments before engaging the throttle.
- Operation:**

- Hold the brush cutter firmly with both hands, maintaining a balanced stance.
 - Keep the cutting head away from your body and ensure bystanders are clear of the work area.
 - Engage the throttle gradually to bring the cutting head up to operating speed.
 - Work in a controlled manner, sweeping the cutting head across the vegetation.
4. **Stopping the Engine:** Release the throttle trigger and then press the engine stop switch to the 'OFF' position.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your brush cutter.

- **Engine Maintenance:**
 - **Air Filter:** Clean the air filter regularly, especially in dusty conditions. Replace if damaged.
 - **Spark Plug:** Inspect the spark plug for wear and carbon buildup. Clean or replace as needed.
 - **Engine Oil:** Check engine oil level before each use and change according to the engine manufacturer's recommendations (typically after the first 20 hours, then every 50 hours).
- **Cutting Head Maintenance:**
 - **Trimmer Line:** Inspect the trimmer line for wear and replace when it becomes short or frayed.
 - **Blades:** If using a blade, inspect for damage, dullness, or cracks. Sharpen or replace blades as necessary. Always balance blades after sharpening.
- **General Cleaning:** Clean the entire unit after each use. Remove grass, dirt, and debris from the engine cooling fins and around the cutting head.
- **Storage:** When storing the brush cutter for an extended period, drain the fuel tank and run the engine until it stops to clear the carburetor. Store in a dry, secure location away from children and flammable materials.

7. TROUBLESHOOTING

This section provides solutions to common operational issues. For more complex problems, consult a qualified service technician.

- **Engine Not Starting:**
 - Check fuel level.
 - Ensure the spark plug is clean and properly gapped.
 - Verify the choke is set correctly for starting.
 - Check the air filter for blockage.
- **Loss of Power During Operation:**
 - Clean or replace the air filter.
 - Inspect the spark plug.
 - Ensure the fuel is fresh and not contaminated.
- **Excessive Vibration:**
 - Inspect the cutting head or blade for damage, imbalance, or debris buildup.
 - Check for any loose fasteners on the shaft or engine mounting.
- **Engine Overheating:**

- Clean cooling fins on the engine to ensure proper airflow.
- Ensure correct engine oil level.

8. WARRANTY AND SUPPORT

For warranty information, technical assistance, or to inquire about replacement parts, please contact the manufacturer, Mingda Ltd, or your authorized dealer. When contacting support, please have your purchase receipt and the product model number (C142) readily available.

Manufacturer: Mingda Ltd