

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Vigor](#) /

› [Vigor VMZ-35 Tiller Instruction Manual](#)

Vigor VMZ-35

Vigor VMZ-35 Tiller Instruction Manual

Model: VMZ-35

IMPORTANT SAFETY INFORMATION

Read this instruction manual carefully before operating the Vigor VMZ-35 Tiller. Failure to follow these instructions can result in serious injury or property damage. Keep this manual for future reference.

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and sturdy footwear.
- Ensure the work area is clear of obstacles, rocks, and other debris before starting the tiller.
- Never operate the tiller under the influence of alcohol, drugs, or medication that may impair your judgment.
- Handle fuel with extreme care. Refuel in a well-ventilated area with the engine off and cool.
- Keep bystanders, especially children and pets, at a safe distance from the operating area.
- Turn off the engine and disconnect the spark plug before performing any maintenance, adjustments, or clearing blockages.
- Do not operate the tiller on excessively steep slopes.

PRODUCT OVERVIEW

The Vigor VMZ-35 Tiller is designed for preparing soil in gardens and small agricultural plots. Its robust construction and powerful engine make it suitable for various tilling tasks.

Key Features

- 4-stroke 139cc OHV engine for reliable performance.
- Durable steel frame with a convenient transfer wheel for easy maneuverability.
- 37 cm tilling width for efficient coverage.
- Adjustable working depth from 15 cm to 26 cm to suit different soil conditions.

Components

The tiller consists of a main engine unit, a handle assembly, tines for soil cultivation, and a transfer wheel.

Familiarize yourself with all components before operation.



Image of the Vigor VMZ-35 Tiller, showing its main body, engine, handles, and tines.

SETUP AND ASSEMBLY

Unpacking

Carefully remove all components from the packaging. Check for any damage during transit. Retain packaging materials for potential future transport or storage.

Handle Assembly

1. Attach the lower handle bars to the main unit using the provided bolts and nuts. Ensure they are securely fastened.
2. Connect the upper handle bar to the lower handle bars. Adjust the height to a comfortable operating position and tighten all fasteners.

3. Mount any control cables or levers to the handle as per the diagrams in the separate assembly guide (if provided).

Fuel and Oil

The VMZ-35 Tiller is powered by a 4-stroke engine. It requires unleaded petrol and separate engine oil.

- **Engine Oil:** Fill the engine oil reservoir with the recommended 4-stroke engine oil (e.g., SAE 10W-30) to the appropriate level indicated on the dipstick. Do not overfill.
- **Fuel:** Fill the fuel tank with fresh, unleaded petrol. Do not use old or contaminated fuel. Ensure the fuel cap is securely tightened after refueling.

Warning: Never mix oil with petrol in the fuel tank. This is a 4-stroke engine.

OPERATING THE TILLER

Starting the Engine

1. Ensure the fuel valve is in the 'ON' position.
2. Move the choke lever to the 'CHOKE' position (for cold starts).
3. Set the throttle lever to the 'FAST' or 'START' position.
4. Pull the starter cord firmly and smoothly until the engine starts. Do not let the cord snap back.
5. Once the engine starts, gradually move the choke lever to the 'RUN' position as the engine warms up.

Tilling Procedure

1. With the engine running, engage the tines.
2. Guide the tiller forward, allowing the tines to penetrate the soil. Apply gentle downward pressure if needed.
3. Work in overlapping passes to ensure thorough cultivation of the soil.
4. Adjust the working depth as required using the depth adjustment mechanism.
5. Maintain a firm grip on the handles and be aware of the tiller's movement.

Stopping the Engine

1. Move the throttle lever to the 'SLOW' or 'IDLE' position.
2. Move the engine switch to the 'OFF' position.
3. Turn the fuel valve to the 'OFF' position to prevent fuel flow.

MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your Vigor VMZ-35 Tiller.

Regular Checks

- Before each use, check the engine oil level and top up if necessary.
- Inspect the tines for wear or damage. Replace worn tines promptly.
- Check all fasteners for tightness.

Cleaning

- After each use, clean soil and debris from the tines and the underside of the tiller.
- Wipe down the engine and exterior surfaces with a damp cloth. Avoid spraying water directly onto the engine or electrical components.

Engine Maintenance

- **Oil Change:** Change the engine oil after the first 5 hours of operation, then every 25-50 hours or annually, whichever comes first.
- **Air Filter:** Clean the air filter every 10-25 hours or more frequently in dusty conditions. Replace if damaged.
- **Spark Plug:** Inspect the spark plug every 50 hours. Clean or replace if necessary.

Storage

- For long-term storage (over 30 days), drain the fuel tank or add a fuel stabilizer.
- Clean the tiller thoroughly.
- Store in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING GUIDE

Issue	Possible Cause	Solution
Engine won't start	No fuel, old fuel, choke incorrect, spark plug issue, low oil.	Check fuel level and freshness. Adjust choke. Inspect/clean/replace spark plug. Check oil level.
Engine runs rough or stalls	Dirty air filter, stale fuel, carburetor issue.	Clean/replace air filter. Use fresh fuel. Consult a service technician for carburetor issues.
Tiller not digging effectively	Worn tines, incorrect depth setting, hard soil.	Inspect/replace tines. Adjust working depth. Make multiple passes on hard soil.
Excessive vibration	Loose fasteners, bent tines, debris wrapped around shaft.	Check and tighten all fasteners. Inspect tines for damage. Clear any debris from the tines and shaft.

TECHNICAL SPECIFICATIONS

- **Brand:** Vigor
- **Model:** VMZ-35
- **Engine:** 4-stroke, 139cc OHV
- **Power Source:** Fuel Powered
- **Tiller Width:** 37 cm
- **Working Depth:** 15-26 cm
- **Material:** Steel

- **Color:** Yellow

WARRANTY AND CUSTOMER SUPPORT

The Vigor VMZ-35 Tiller comes with a standard manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including coverage period and limitations.

For technical assistance, spare parts, or warranty claims, please contact your authorized Vigor dealer or the customer support service at the point of purchase. Ensure you have your product model number (VMZ-35) and proof of purchase available when contacting support.