

## Hecht 752

# HECHT 752 Tiller Instruction Manual

Model: 752 | Brand: Hecht

## 1. INTRODUCTION

The HECHT 752 is a powerful 2-stroke engine tiller designed for efficient garden cultivation. It is ideal for preparing flower beds, vegetable patches, and loosening soil. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your tiller.

### Key Features:

- Powerful 2-stroke engine with 9000 rpm.
- Equipped with 16 durable blades (4x4 configuration).
- 250 mm working width for effective soil preparation.
- Robust and stable construction for long-lasting performance.
- Ergonomic handles for comfortable operation.

## 2. SAFETY INFORMATION

**WARNING: Always read and understand all safety warnings and instructions before operating this machine. Failure to follow the warnings and instructions may result in serious injury.**

- **Keep out of reach of children.** This machine is not a toy.
- **Personal Protective Equipment (PPE):** Always wear appropriate safety glasses, hearing protection, sturdy footwear, and gloves when operating the tiller.
- **Fuel Safety:** Handle gasoline with extreme care. It is highly flammable. Store fuel in approved containers in a well-ventilated area. Never refuel while the engine is running or hot.
- **Operating Conditions:** Do not attempt to till hard, compacted, or virgin soil with this machine as it can cause damage. Tilling wet soil is extremely damaging to the machine and can be dangerous. Use only on prepared or loose soil.
- **Clear the Area:** Before starting, clear the work area of any stones, debris, or obstacles that could be thrown by the tines.
- **Maintain Control:** Always maintain a firm grip on the handles. Be aware of your surroundings and maintain balance, especially on uneven terrain.

- **Engine Heat:** The engine and exhaust system become very hot during operation. Avoid contact to prevent burns.
- **Vibrations:** Prolonged exposure to vibrations can cause injury. Take regular breaks.
- **Manufacturer's Instructions:** Always follow the manufacturer's instructions for safe use, maintenance, and storage.

### 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your HECHT 752 tiller.



**Figure 3.1: Tiller Components Diagram**

This diagram illustrates the main parts of the HECHT 752 tiller, including the accelerator, starting handle, 2-stroke engine, fuel tank, casing, pointed plow (tines), and wheels. Understanding these components is crucial for proper assembly and operation.

1. **Accelerator:** Controls engine speed.
2. **Starting Handle:** Used to manually start the engine.
3. **2-Stroke Engine:** The power unit of the tiller.
4. **Fuel Tank:** Holds the gasoline-oil mixture.
5. **Casing:** Protects internal components.
6. **Tines (Pointed Plow):** The rotating blades that cultivate the soil.
7. **Wheels:** For transport and depth control.



**Figure 3.2: HECHT 752 Tiller Overview**

A full view of the HECHT 752 tiller, showcasing its compact design and robust construction. The red engine housing and silver handles are clearly visible, along with the tines and transport wheels.

## 4. SETUP AND ASSEMBLY

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The HECHT 752 tiller requires some assembly before first use. Follow these general steps:

1. **Unpacking:** Carefully remove all components from the packaging. Check for any damage during transit and ensure all parts are present according to the packing list.
2. **Handle Assembly:** Attach the upper and lower handle sections to the main unit using the provided bolts and knobs. Ensure they are securely tightened.
3. **Wheel Attachment:** Install the transport wheels. These wheels aid in moving the tiller to and from the work area and can be adjusted for tilling depth.
4. **Fuel Preparation:** This is a 2-stroke engine. It requires a specific mixture of gasoline and 2-stroke engine oil. Refer to the engine specifications for the correct mixing ratio (e.g., 1:25 or 1:50). Mix the fuel in a separate, approved container before pouring it into the fuel tank. **Do not use pure gasoline.**
5. **Initial Checks:** Before starting, ensure all connections are secure, the spark plug is properly seated, and

there are no fuel leaks.



**Figure 4.1: Transport Wheels**

A detailed view of the tiller's transport wheels, which are essential for maneuvering the machine and can be adjusted to control the tilling depth.

## **5. OPERATING INSTRUCTIONS**

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### **5.1. Fueling**

1. Ensure the engine is off and cool.
2. Move to a well-ventilated outdoor area.
3. Carefully open the fuel tank cap.
4. Pour the pre-mixed gasoline-oil fuel into the tank, avoiding overfilling.
5. Securely close the fuel tank cap.

### **5.2. Starting the Engine**

1. Place the tiller on a flat, stable surface.
2. Ensure the tines are not in contact with the ground or any obstacles.



3. Set the choke lever to the 'START' or 'CHOKE' position (if applicable).
4. Press the primer bulb several times until fuel is visible.
5. Hold the tiller firmly with one hand on the handle.
6. Pull the starting handle cord with a smooth, steady motion until the engine starts.
7. Once the engine starts, gradually move the choke lever to the 'RUN' position.

### 5.3. Tilling Operation

1. With the engine running, engage the tines (if there's a clutch lever).
2. Guide the tiller slowly into the soil. The 250 mm working width allows for efficient coverage.
3. Allow the tines to penetrate the soil. Do not force the machine.
4. Move the tiller forward in a controlled manner, overlapping passes slightly to ensure complete cultivation.
5. For deeper cultivation, make multiple passes, gradually increasing the depth.



**Figure 5.1: Tiller Blades (Tines)**

A close-up showing the robust 16 blades (tines) of the HECHT 752 tiller, designed for effective soil aeration and cultivation.

### 5.4. Stopping the Engine

1. Release the accelerator or throttle lever.

2. Move the engine switch to the 'OFF' position.
3. Allow the engine to cool down before storage or maintenance.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your tiller.

- **Cleaning:** After each use, clean the tiller, especially the tines and engine cooling fins, to remove soil, debris, and plant matter. Use a brush or cloth. Do not use high-pressure water directly on the engine.
- **Spark Plug:** Periodically inspect the spark plug for wear or fouling. Clean or replace as necessary. The recommended electrode gap is 0.6 - 0.8 mm.
- **Air Filter:** Check and clean the air filter regularly. A clogged air filter can reduce engine performance.
- **Fuel System:** For long-term storage, drain the fuel tank and run the engine until it stops to clear the carburetor of fuel. This prevents fuel degradation and gumming.
- **Blade Inspection:** Inspect the tines for wear, damage, or looseness. Replace worn blades to maintain effective tilling.
- **Lubrication:** Refer to the product diagram for any lubrication points and apply appropriate grease or oil as recommended.
- **General Inspection:** Regularly check all nuts, bolts, and fasteners for tightness. Tighten any loose components.



**Figure 6.1: Engine View**

A top-down view of the HECHT 752 tiller's 2-stroke engine, showing the fuel tank and air filter cover, which are key areas for routine maintenance.

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your tiller.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Engine does not start or is difficult to start.	<ul style="list-style-type: none"> <li>No fuel or incorrect fuel mixture.</li> <li>Clogged fuel filter.</li> <li>Dirty or faulty spark plug.</li> <li>Choke not set correctly.</li> <li>Engine flooded.</li> </ul>	<ul style="list-style-type: none"> <li>Check fuel level and ensure correct gasoline-oil mixture.</li> <li>Clean or replace fuel filter.</li> <li>Clean, adjust gap, or replace spark plug.</li> <li>Adjust choke lever.</li> <li>Remove spark plug, pull cord several times to clear cylinder, then reinstall plug and try starting without choke.</li> </ul>
Engine runs, but lacks power or stalls.	<ul style="list-style-type: none"> <li>Dirty air filter.</li> <li>Incorrect fuel mixture.</li> <li>Worn spark plug.</li> <li>Tilling too hard/wet soil.</li> </ul>	<ul style="list-style-type: none"> <li>Clean or replace air filter.</li> <li>Verify fuel mixture ratio.</li> <li>Replace spark plug.</li> <li>Reduce tilling depth or avoid wet/hard soil.</li> </ul>
Excessive smoke from exhaust.	<ul style="list-style-type: none"> <li>Too much oil in fuel mixture.</li> <li>Engine issues.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure correct fuel-oil ratio. Drain and refill if necessary.</li> <li>If problem persists, consult a qualified technician.</li> </ul>
Tiller vibrates excessively.	<ul style="list-style-type: none"> <li>Loose components.</li> <li>Damaged tines.</li> <li>Unbalanced tines.</li> </ul>	<ul style="list-style-type: none"> <li>Check and tighten all bolts and fasteners.</li> <li>Inspect tines for damage; replace if necessary.</li> <li>Consult a qualified technician for balancing issues.</li> </ul>

## 8. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	HECHT 752
Engine Type	Single-cylinder, 2-stroke
Engine Power	1.5 kW
Displacement	51.7 cm³
Maximum Engine Speed	9000 rpm









Specification	Value
Tool Speed	234 - 280 rpm
Working Width	250 mm
Number of Blades	16 (4 x 4)
Blade Roller Diameter	235 mm
Fuel Tank Volume	1.2 L
Spark Plug Electrode Gap	0.6 - 0.8 mm
Weight	14.3 kg
Dimensions (L x W x H)	98 x 46 x 113 cm
Operating Conditions	-10 °C to +35 °C
Sound Pressure Level (LPA)	100 dB(A); K = 2 dB(A)
Vibrations	13.8 m/s <sup>2</sup> ; K = 1.5 m/s <sup>2</sup>
Guaranteed Sound Power Level (LWA)	114 dB(A)
Measured Sound Power Level (LWA)	112 dB(A); K = 2.0 dB(A)
Rear Wheel Diameter	180 mm
Material	Metal
Color	Red

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

While spare parts information may not be readily available online, direct contact with the manufacturer or authorized service centers is recommended for parts and service inquiries.

For commercial service inquiries, particularly within France, please refer to the specific contact details provided by the seller or manufacturer.

	<p><a href="#">HECHT 750 Petrol Tiller User Manual: Operation, Safety, and Maintenance Guide</a></p> <p>Comprehensive user manual for the HECHT 750 petrol tiller. Includes detailed instructions on operation, safety precautions, maintenance procedures, specifications, and troubleshooting for optimal garden tilling.</p>
	<p><a href="#">HECHT 746 Petrol Tiller - User Manual and Technical Specifications</a></p> <p>Comprehensive user manual and technical specifications for the HECHT 746 petrol tiller. Includes safety instructions, operating guide, maintenance, and parts list in multiple languages.</p>
	<p><a href="#">HECHT 746 R/747 R Motor Cultivator User Manual</a></p> <p>This manual provides comprehensive instructions for the HECHT 746 R and 747 R motor cultivators, covering safety, operation, maintenance, and troubleshooting. It includes detailed specifications, safety symbols, and an illustrated guide to the machine's parts.</p>
	<p><a href="#">HECHT 752 Cultivator - Manual de Utilizare și Ghid de Siguranță</a></p> <p>Ghid complet pentru utilizarea, întreținerea și siguranța cultivatorului pe benzină HECHT 752. Include specificații tehnice, instrucțiuni de asamblare și depanare.</p>
	<p><a href="#">Hecht 6280 XL Garden Shredder User Manual   Operation, Safety &amp; Specifications</a></p> <p>Official user manual for the Hecht 6280 XL garden shredder. Find detailed instructions on safe operation, assembly, maintenance, technical specifications, and troubleshooting for your Hecht garden tool.</p>
	<p><a href="#">Hecht 6642 Petrol Shredder User Manual</a></p> <p>Comprehensive user manual for the Hecht 6642 petrol shredder, covering safety, installation, operation, maintenance, storage, and troubleshooting. Includes illustrated guides and technical specifications.</p>

